Rethinking the Role of Government: Improving Government's Capacity in a Challenging Era

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Part 1. Government Competitiveness Overview

Preface

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What is Government Competitiveness?

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Frequently Asked Questions for GC

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Preface

Again, it is a great pleasure to write a preface to yet another publication of the Government Competitiveness Report, the fifth-annual version that contains numerous data and indicators throughout 2017. Describing the competitiveness of governments from the members of the coveted club of OECD nations to rapidly developing industries in the third world, we claim that arguments and concerns in the report is largely consonant with the issues raised by all citizens who are living through the days of tremendous transformation in the realms of science, technology and political economy, just to name a few.

In describing the twilight of the nineteenth-century, a prominent political thinker Karl Polanyi wrote: "After a century of blind improvement, man is restoring his habitation...if industrialism is not to extinguish the race, it must be subordinated to the requirements of man's nature." Similarly, the current shifting of industrial civilization onto a new paradigm of scientific advancements inseparable from a period of tumultuous transition, that is, the economic dislocation of the working class, declining of social status of the middleincome families, and the looming dangers of mass unemployment from automation. For every period of change, people unwittingly pay the price. Amidst the times of transformation, rapid changes can destroy old coping mechanisms, safety nets while creating a new set of unfulfilled demands, even before the discussions for new policy instruments are fully in place. Is scientific prowess, i.e., the Fourth Industrial Revolution, an empty word, predetermined to produce unbearable strains and stresses on the mankind, or can the humanity reassert its freedom and prosperity in

the face of that knowledge and strive for its fulfillment without lapsing into an inhumane fetishism of technological preponderance?

This anxious question sums up the current challenges of the mankind. It is hard, and probably inappropriate to summarize a set of concepts of such complexities in a few lines. Yet we attempt to distinguish certain parts of the institutional development of countries, through which a differential pattern of each nation's governmental responses, hence its competitiveness, can be encapsulated. This year's Government Competitiveness Report consists of three separate, yet related, parts. First, we start by providing a brief overview of the analyzed results with introductory explanation towards our research methodology and data sources. We then move onto the analysis of developing countries by policy areas. The second part describes series of country-based case studies of a number of countries. This year, the team has selected several countries per each policy area, through which we hope to provide both holistic and in-depth assessment on the competitiveness of their governments. Last part include two separate results of (1) OECD member-states and (2) non-OECD countries in the Third World.

A particular strength of the Government Competitiveness Report lies in its emphasis on the state's role, i.e., statecraft, in diverse sectors throughout each country. Providing a diverse array of commodities and services, a well-functioning government and its effective policy involvements are a critical precondition for the betterment of societies. Even in the most

fundamental form of laissez-faire economies, studies have repeatedly shown that it is utterly impossible to create and sustain a fully self-regulating market, and that government's management capacities and policy coordination have wide-ranging implications throughout its constituents. In this sense, developing and nurturing a comparative perspective towards contemporary governments is of a growing importance, especially when considering all the volatility and potentials for upcoming vicissitudes of the current generations.

While serving as director of the Center for Government Competitiveness, I saw case after case, from a Rwandan public official who was agonizing over ways to better manage the public sector workforce to a Middle Eastern diplomat's concerns on how to countervail the threats of Dutch Disease on its economy. Their discussions and questions point towards a single direction, that a more research is warranted on the public sector's vitality and practicality. All too often, scorecards were intensively kept on how fast different countries were promoting the growth of their private-sectors. But no systematic attempt has been made on recording different trials and errors of governments around the world. The Center for Government Competitiveness believe that the challenge facing the global community today is contingent upon the hands of governments on whether they can effectively redress the aforementioned imbalances - before it gets too late. Our research was kindly granted by the Social Science Korea Foundation in Seoul, Republic of Korea, as well as by wholehearted support and advice from co-researchers and students of public administration around the world. To all of them our thanks are due.

Tobin Im

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Director, Center for Government Competitiveness

Overview: Focusing on OECD

World Economy Picking Up, But Subdued Wage Growth

The global economic pickup gained further momentum in early 2017, which started in the second half of 2016. The global economic upturn is strengthening, with global growth expected to rise to 3.7 percent in 2018 according to the IMF (IMF, 2017). Even though economic growth is still foreseen, recovery is not yet complete: growth is still weak in many countries, and inflation falls short of the target in most advanced economies. Moreover, nominal wage growth remains notably lower compared with that before the 2008-09 Great Recession. After the financial crisis, in major countries such as the US and Europe, wage growth has slowed despite economic recovery. The wage slowdown can be explained by several factors. One determinant of muted wage growth can be a generally recognized slowdown in labor productivity. Also, the persistence of low prices in the global market and the decline in expected inflation rates are suggested as factors that hinder wage growth. Lower nominal wage growth has usually coincided with a decrease in hours per work, often in the form of involuntary part-time employment and temporary employment. underutilization of labor may have encouraged labor force participation, it also seems to have weakened wage growth.

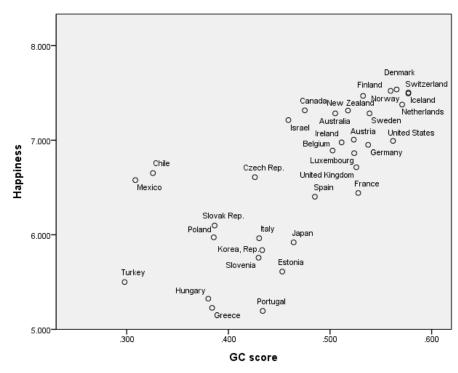
International Cooperation for Responding to Humanitarian Crisis

5 million people permanently migrated to OECD countries in 2016, which was the third year of

increase in a row, followed by 4.7 million entries in 2015 (OECD, 2017a). Humanitarian migration was the main factor that led to this rise. In particular, the international community had a consensus on the investment of political efforts to help the populations in Syria as well as Syrian refugees at the "Supporting the Future of Syria and the Region" conference in Brussels in April 2017. A joint declaration was adopted by the cochaired including annexes on supporting the resilience of host countries and refugees in the context of the Syrian crisis for close countries such as Jordan and Lebanon. Participants of the conference agreed that in order to meet the huge needs of the affected civilians in Syria and populations nearby countries, and reinforce the resilience of host communities, significant financial support as well as novel and holistic approaches are required. This consensus led to the pledging of \$6 billion (€5.6 billion) for 2017, which aims to support humanitarian activities and stabilization and development programs in these regions (EU, 2017).

Making Growth More Inclusive: Basic Income Debates

Though we have seen strong economic growth over the past few decades, income inequality has deepened in many societies. Thus, governments are now investing their efforts into promoting inclusive growth. Against this backdrop, the idea of basic income has recently attracted growing interest in many OECD countries. Some countries have begun or are preparing pilots to assess the impact of specific basic income (BI) schemes. In



A positive correlation between 2015 GC score and happiness score ('14-16)

Finland, in order to decrease the unemployment rate and help the unemployed, experiments have been conducted, in which 2,000 current recipients of unemployment assistance benefits have received unconditional payments of EUR 560 per month since January 2017, approximately a quarter of median household income for a single person. The Finnish pilot study will help, particularly, understand the impact a BI is likely to recipients' behavior regarding employment as well as other time use (OECD, 2017b). In the Netherlands, in July 2017, experimental changes to current social assistance were authorized in several municipalities by the Dutch Ministry of Social Affairs, with an aim to evaluate outcomes such as employment, education, and health and wellbeing. In October 2017, two-year experiments have been initiated in four cities after successfully complying with federal legislation (BIEN, 2017). Universal basic income debate reflects that the traditional growth model is required to be changed, which revealed several limitations. The conventional model did not succeed in preventing the crisis as well as increased inequalities of income and opportunities. In addition, the current growth model generated expectations of being

better that are still largely unfulfilled. In this context, along with current experimental trials, BI proposals are also under policy consideration or in the public debate in different countries.

GC score and Subjective Well-being

Recently, many countries and international organizations began measuring quality of life or subjective well-being with an emphasis of happiness as an ultimate goal of public policy. OECD's Better Life Index (BLI) allows us to compare 11 key factors that enhance well-being in OECD countries. The BLI consists of 11 topics essential to well-being in two aspects, which are material living conditions (housing, income, jobs) and quality of life (community, education, environment, governance, health, life satisfaction, safety and work-life balance). Each topic is based on one to four specific indicators.

The ultimate goal of improving government competitiveness should be to contribute to higher well-being both in objective and subjective aspects. Previous studies have shown the positive relationship between the quality of governance and happiness (Ott, 2010; 2011). The

graph shows positive correlation between GC scores ('17) and happiness scores ('14-16) reported by 2017 World Happiness Report, supporting previous empirical findings. Based on these results, it is expected that higher GC possibly leads to higher happiness.

Latvia, the 35th OECD Member State

Latvia became a member of the OECD on 1st July 2016. At the early stage of the accession process, Latvia was already found to bear a resemblance to OECD members in various policy areas. In addition, because Latvia is a member of the European Union, Latvia's legislation and policies already met certain OECD standards. The Latvian economy is growing strongly, supported by progress with economic reforms. Yet, poverty and unemployment still need improvement. OECD membership is expected to contribute to fulfilling the OECD's ultimate goal of creating "better policies for better lives" of the citizens of Latvia, by providing policy advice and sharing the experiences of OECD Members.

Dynamics on Climate Agreement

The U.S. President Donald Trump announced in June that the U.S. would withdraw from the Paris Agreement on climate change. The U.S. State Department has officially informed the United Nations of the withdrawal. The strongest supporters of the Paris climate accord, such as German Chancellor Angela Merkel and French President Emmanuel Macron, have tried to sustain the accord among countries after Trump decided to withdraw from the agreement. At the G20 summit in Hamburg in July 2017, joint statement pointed to US decision to exit from Paris agreement while other G20 countries reaffirmed that the Paris Agreement would be irreversible. The communique also adopted G20 'Hamburg Climate and Energy Action Plan for Growth' that highlights the willingness of advanced economies to pursue and deliver on the aims of Paris Agreement.

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Overview: Focusing on Non-OECD

The Government Competitiveness Report 2017 consists of a series of in-depth case studies of non-OECD countries, through which individual overview of each sub-sectors is conducted. This section provides an overview of relevant topics and politico-economic trends among the 89 non-OECD countries, categorized by the following geographical regions: [1] Latin America, [2] Sub-Saharan Africa, [3] Eastern Europe and [4] South Asia. Excluding the example of Singapore, an affluent city-state located in the tip of Malay Peninsula, and Qatar, the oil-rich kingdom of the Middle-East, the GC Report 2017 shows an apparent clustering of countries on the basis of regions. Among the 89 countries, most of the toptier states are comprised of Eastern European countries, while those in Sub-Saharan Africa tend to score less favorably in all sub-sections of government competitiveness. In the middle, there exist countries in Latin America, Central Asia, and South Asia.

Political Turbulence and Economic Hardship in Latin America

Throughout the past year, South America has gone through a series of political turbulence and instability. It is nearly impossible to analyze such a complex topic in a few lines of summary. Yet, one of the most apparent trends in the Continent was the downfall of leftist governments in the region, which ranges from the epic downfall of President of Dilma Rousseff of Brazil and her Worker's Party. It was 31 August of 2016 when the Brazilian Senate finally removed the president from office, finding her guilty of breaking Brazil's budget laws. The definitive factor that led Brazil to the unprecedented political crisis since

democratization the ruling party's was involvement in the fiscal and budgetary corruption of the Federal Government. However, multiple sources point that the new President, Michel Temer of the Brazilian Democratic Movement Party, is also heavily involved in corruption, further worsening the accountability issue of the Brazilian government. Amidst the ongoing demonstration and protests, Brazil's GC score on "Safety" was ranked as being the 57th out of the 89 countries in the data-set. Our data, along with others, indicate that the combination of corruption and public safety is a pervasive social problem in Brazil. For instance, Brazil scored 38th among 175 countries on the 2016 Corruption Perceptions Index, tying with India and Bosnia and Herzegovina. In sum, Brazil's long-overdue problem of gang violence and police corruption has met with political instability in the nation, further aggravating the livelihood of ordinary Brazilians.

Among Brazil's northern neighbors, Ecuador has gone through a significant degree of economic hardship throughout the past year. Ecuador, a member-state of OPEC, has been suffering from low international price levels in crude oil and natural gas. Heavily dependent of mineral resources, Ecuador's economy actually shrank 1.5 percent in 2016, the first fall in a decade. Ecuador was ranked 34th in our GC Score, which contrasted with 28th and 18th in 2016 and 2015 GC data-sets, respectively. More specifically, it has been analyzed that Ecuador's economy was ranked in 47th out of 89 countries. Ecuador's disappointing economic performance is even starker when compared with Peru, its bordersharing neighbor with similar size in population and territory. Peru reduced poverty by 69 percent over the period between 2007 and 2016, while

Ecuador's poverty rate decreased only by 30 percent. Out data shows that the difference between the two countries might have resulted from politics and the governing party's proclivity towards public spending. For instance, public spending grew from 25 percent of Ecuador's total gross domestic product to 44 percent, while the number of public employees increased. At the same time, Ecuador's government departments and ministries grew from having 15 cabinet ministers to 30 in 2016. A flux of byzantine business regulations and low scores on governance transparency resulted in growing confusion among private investments, and when oil prices started to fall, Ecuador's economy came to a standstill. Peru's GC score on economy was recorded as being 9th.

Venezuela, with its soaring inflation and unrelenting political unrest, the leftist government of President Nicholas Maduro is experiencing extreme turbulence. The socialist regime of Venezuela is currently entangled with numerous scandals, including election fraud, and unlawful expansion of power towards the judiciary, just to name a few. The country is ranked as 55th overall, with its governance and economy competitiveness rankings scoring in 58th and 78th, respectively.

Among the Latin American nations, there exists a success story, however. Noticeable examples are Costa Rica and Uruguay, which scored 4th and 5th in total rankings, respectively. Both countries were ranked in the upper tiers among the non-OECD nations, illustrating a consistent trend over the last three years. While differing in its performance on each sub-section of government competitiveness, a common factor of Costa Rica and Uruguay that exceled other countries was their strength in governance competitiveness (Costa Rica's governance competitiveness was ranked 3rd, while Uruguay boasting its first place out of 89 nations worldwide). Regardless of the amount of natural resources or oil fields within one's territory, examples of these countries highlight the importance of public institutions' capabilities in conducting and managing public

affairs

Waiting for Godot: Sub-Saharan Africa's longing for sustainable growth

Despite international community's repeated attention given towards the 46 African countries located to the south of the Saharan Desert, it has been analyzed that a single dominant group in the bottom-tier of the GC report consists of Sub-Saharan countries. One of the most chronic problems of these African countries is that their economy is disproportionately dependent on commodities and natural resources. Excluding a cohort of few states with excessive oil and diamond reserves (e.g., Nigeria, Sierra Leone and Equatorial Guinea), majority of African countries depend on exporting agricultural goods, such as cocoa. This makes these countries prone to international price fluctuations. The recent drop of international cocoa prices have led to reduced exports and fiscal revenues in West African countries, such as Cote d'Ivoire and Ghana, while severe drought have hampered agricultural production in Kenya, Somalia and South Sudan. Experts note the solving the problem of macroeconomic stability, along the persistent issue of internal conflicts and corruption, as a key towards improving the growth outlook of these countries

Even Botswana, an African success story which boasts vibrant democracy and flourishing economy, scored far off (47th) from its counterparts with similar economic sizes, such as $(39^{th}).$ Thailand (19^{th}) and Paraguay Notwithstanding its superior performance in governance (9th), its economy (55th) fared badly. This is due to the nation's disproportionate dependency towards natural resources and minerals, such as diamonds, and its structural weakness when facing adverse exogenous boom-and-bust cycles from shocks and international price levels.

Eastern Europe: Crossing the Threshold

Since the fall of the Berlin Wall, Eastern Europe

has been a region which social scientists in diverse fields, e.g., economists, political scientists and sociologists, concentrated their scholarly attention. Starting with Czech Republic, Estonia, Hungary, Poland, Slovakia, Slovenia and Latvia in 2004, multiple countries in this region have succeeded in acquiring the long coveted membership of the European Union, an oftenused barometer of economic development and sociopolitical sustainability. Among the newly admitted members, seven countries also joined the OECD, further brightening the developmental prospect of the region. The results of Eastern European countries from GC 2017 Index reveal a consistent trend with the prior analyses: Among the top-ten countries, four are from the former Eastern-bloc: Bulgaria (6th), Lithuania (7th), Romania (9th), and Belarus (10th). Among these four, the first three are fully-democratized nations with vibrant freedom of speech and political participation, whereas citizens of Belarus are under the authoritarian regime of Alexander Lukashenko, who has been serving his term for the past 23 years in a row. As a result, Bulgaria, Lithuania, and Romania's scores on governance were all within the top 15. One noticeable distinction of Belarus, however, is its strength in ICT ranking (5th). More specifically, Belarus has received heavy attention from multiple international media sources on its recent success of the high-tech IT sector. Belarus, despite its occlusive political culture (the country is known as Europe's last dictatorship) and lack of transparent governance, boasts its favorable reputation throughout the European IT market. Belarusians are well-educated and there exist abundant number of relatively inexpensive IT specialists in the country. The success story is not a short-term invention, however. Belarus was well-known for the main supplier of high-tech engineers to USSR's software and computer industries, and the country's legacy on scientific research and electronic capabilities have been a major input towards transforming the country from a former satellite nation of Soviet Russia into Europe's main outsourcing destination of software and information and communication technologies.

Tracing Croatia (20th) and Serbia (22nd) from well behind, Moldova scored the least within the Eastern Europe. Moldova, a nation located in between the Russian Federation, Ukraine and Romania, has been struggling with the continuing problems in government integrity, trade openness and macroeconomic stability. This has largely resulted from a secession of trade connection with the Soviet Union in the early-twentieth century. In order to bring the nation's trajectory towards converging with the pathways of its neighbors in the region, it is being analyzed that more systemic reforms should be placed upon Moldova's economic and political sectors.

South- and Southeast Asia:

The People's Republic of Bangladesh, along with its eastern neighbor of Myanmar, is perhaps the country which received numerous attentions from the international community. The single most decisive factor that resulted in such spotlight is the ethnic conflict and large-scale migration issues of the Rohingyas. Heavily persecuted under the present-day government of Aung San Suu Kyi as well as the past military dictatorship, the Rohingyas have been escaping their homelands in Myanmar, escaping across the borderline of Bangladesh. Notwithstanding the extant population issue with ongoing crises in social welfare and safety (Bangladesh's population is approximately 160 million, which makes it one of the most densely populated nations in the world), the large influx of migrants aggravating the competitiveness Bangladeshi government. Its safety ranking was 52nd, while scoring 57th in social welfare. Especially the decrease in its safety scores is tremendous, as its performance in 2016 GC Report was recorded as being the 17th best non-OECD country in safety provision.

Moving towards the west, India has performed slightly worse (61st) than last year (56th), while its regional rival, Pakistan, struggling in the 77th position among the 89 countries. Both countries fared especially badly in environment: Scores were 80th and 77th for India and Pakistan,

respectively. However, India's relative strength came from its performance on governance (40th), while Pakistan did especially badly (85th). One explanation towards such a divergence could be the availability of pluralistic democracy in-place. For instance, India is known as the world's single largest democracy, ensuring its 1 billion populations an individual right to vote and participate in politics. On the opposite, a vast majority of Pakistani have limited access to quality-ensured public services from the government. Its history of repeated military coups and spill-over effects of radical Islam, i.e., Pakistani Taliban, from neighboring Afghanistan have been regarded as a persistent problem of the country, further exacerbating its dualdilemmas of security with its archrival India and domestic threats of terrorism.

Overview:

The 4th Industrial Revolution in Agriculture and Food: Smart Farm

What We Can Sneak a Peek from ICT and Agriculture Indicator of OECD Countries

Beginning in the mid-1800s and early 1900s in the UK, the industrial revolution triggered by technological innovation transformed economy in the world and served as a catalyst for modernization. Thanks to the technological advancement. existing industrial sectors prospered. New industries that could often bring about high economic returns emerged in many places. People also benefited greatly from the industrial revolution. A variety of new inventions, such as a telephone and a phonograph brought about major changes in everyday life. People could travel a great distance much faster at low costs using a ship with a steam engine.

Another industrial revolution, known as the digital revolution, was sparked by personal computer and Internet and Communication Technology(ICT) in the 1980s. ICT has played a pivotal role in the emergence of ICT-based firms, such as Google, Facebook, and Microsoft. With computers and the Internet, people have access to a vast amount of diverse information in virtual space and are able to do more things than they could imagine.

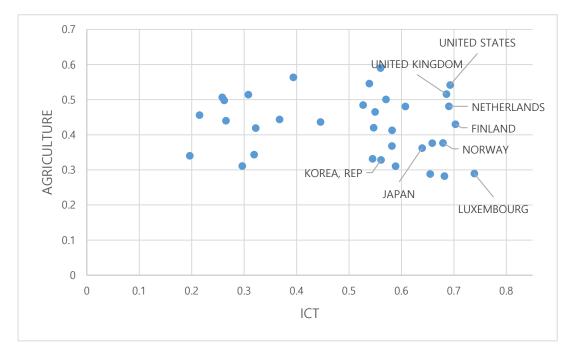
The industrial revolution, often triggered by radical innovation, can promote the rise of new industries, transform existing industries, and sometimes lead to the collapse of traditional manufacturing. Such economic changes would in turn dramatically change our daily life.

The world is now looking forward to the next industrial revolution, known as the fourth industrial revolution. It was first mentioned during World Economic Forum (WEF) in Davos,

Switzerland in 2016. The purpose of WEF is to discuss the world's issues with businessmen, politicians, and economists. The issue related to science and technology was chosen as the main agenda in 2016. It was the first time in the history of the Forum.

According to World Economic Forum (WEF), the fourth industrial revolution is a technological revolution, which is an extension of the third industrial revolution. WEF in the report of "The Future of Jobs" (2016) insists that the technologies, especially the digital technologies, such as cloud technology, big data, Internet of Things (IoT) and Artificial Intelligence (AI) will fuse the boundaries of other industries, accelerate technological convergence, and thus stimulate the next industrial revolution. In other words, one of the characteristics of the fourth industrial revolution is recombining emerging technologies with existing technologies. This is often referred to as technological complementary.

Internet and Communication Technology (ICT) has been heralded as one of the key technologies for the next industrial revolution because of its technological complementary. It can be widely applied to many existing technologies. Recently, agricultural sector combined with ICT, which is called smart farm, has drawn tremendous attention as a new production system that can create high added value and transform the current production system in agriculture. Smart farm is a relatively new area where growth potential is significantly high. Farmers can use resources more efficiently based on ICT, so they can harvest more from smart farm than existing farm. Looking closely at ICT competitiveness and agriculture



and food competitiveness in OECD countries, we identify which OECD countries are relatively competitive in the fourth industrial revolution related to agriculture and food combined with ICT.

As seen from the Figure¹, some EU countries and the United States are expected to become the pioneer with regards to smart farm since the countries have relatively competitive advantage in both areas compared to other OCED countries. In this overview, the case of the United States, the Netherlands, Luxembourg and South Korea are discussed in more detail.

The United States has the best conditions for agriculture, with vast plains and excellent temperate climates, and it has the world's best oiled farmland. Due to its large land, various technologies have been applied to agriculture. For instance, farmers have used an air plane to spread fertilizer. In recent years, firms focusing on smart farm have emerged in California. If the United States, which has strong ICT competitiveness, is devoted more to combining

farming with ICT, it is expected that it will have competitive advantage in agriculture, producing a large amount of food.

While the Netherlands is a small country with only 35% of South Korea's area, it is the second largest exporter of agricultural products in the world. The Dutch Ministry of Economy has announced "the Smart Industry" as the national roadmap. It has 3 Action Line and 14 specific action agenda. One of the field labs that belong to Action Line 2 is "Smart Dairy Farming 3.0". Founded in 2011, the Smart Dairy Farming Foundation has promoted high-technology adoption in the dairy industry and is committed to leading to the fourth industrial revolution related to agriculture.

An exemplary case of smart farm in the Netherlands is dairy farming. For instance, in dairy farming, livestock are managed in an optimal manner based on ICT, and only a few workers are needed to manage the farm. This has resulted in improving cow's health, increasing

advantage and will be better positioned for the fourth industrial revolution in agriculture.

ICT Indicator and Agriculture and Food Indicator

¹ Note: It should be noted that there is little relationship between two competitiveness indicators. Rather it hints at which countries have relatively high competitive

cow's life expectancy and producing more milk. In the Netherlands, the number of farmers adopting smart farm is increasing. Based on the relatively well-established ICT, it is anticipated that introducing ICT into agriculture will increase agricultural productivity and achieve food security, successfully taking a first-mover advantage.

When it comes to Information and Communication Technology, Luxembourg is not a well-known country among people. However, Luxembourg is one of the countries with strong ICT infrastructure. Many large ICT firms' head office, such as Amazon and Paypal, are located in Luxembourg, and Skype started in Luxembourg. Although ICT infrastructure in Luxembourg is well established, Luxembourg is not highly competitive in the agricultural and food sectors compared to other OECD countries with the high level of ICT. Among 34 OECD countries in the analysis, Luxembourg is ranked 31st in agriculture and food. The low level of agriculture and food competitiveness can be a great obstacle when the Luxembourg government develops smart farm. More visible policies in relation to agriculture and food are required. Furthermore, the Luxembourg government needs to implement new policies that facilitate the application of ICT to agriculture to increase agricultural productivity and enhance agricultural competitiveness. Otherwise, it is expected that Luxembourg will have difficulties introducing the new agricultural system and will not be strongly positioned for the fourth industrial revolution in agriculture.

South Korea is widely known as one of countries with the high level of ICT infrastructure in Asia. However, according to the research report by the Korea Rural Economic Institute, South Korea's ICT convergence level in agriculture is 65% (as of 2014) of the Netherlands. This can result from a lot of problems. South Korea 's agriculture is still highly aging. Young people are reluctant to being engaged in agriculture. This is not a unique cultural phenomenon in South Korea, but the situation is relatively serious.

In recent years, South Korea has been devoted to implementing new policies regarding smart farm.

In September, 2015, the government established a new research center called "Convergence Research Center for Smart Farm Solution". It consists of 5 government funded research institutes including Korea Institute of Science and (KIST), Electronics Technology Telecommunications Research Institute (ETRI), Korea Institute of Energy Research (KIER), Korea Institute of Industrial Technology (KITECH), and Korea Food Research Institute (KFRI), and 11 firms, such as KT and SK telecom. Due to the low level of agricultural competitiveness, and cultural phenomenon, it is expected to be difficult to successfully introduce diverse policies focused on "Smart farm" but if the policies are successful, South Korea will increase the level of competitiveness in agriculture. Along with the policies, the South Korean government needs to change the perception of young people about agriculture.

Due to aging in some countries, there is a lack of labor in agriculture. As the population in the world has increased, a demand for food has dramatically increased but the current level of food production has not changed much. As a result, an increase in the world' poverty level will be inevitable. In this sense, smart farm, a new production system in agriculture combined with ICT will be likely to become the answer to solve the world's problem.

This overview discusses only OECD countries, but it is also applicable to non-OECD countries. The fourth industrial revolution in agriculture will not be the only story of OCED countries or developed countries. Some non-OECD countries with relatively well-established ICT infrastructure are expected to be able to participate in the wave of industrial revolution through developed countries' support.

Agricultural policy officials in Vietnam, Indonesia and Philippine visited the Center for Creative Economy and Innovation in Sejong in order to benchmark smart farm operation system in South South Korea. Officials who work for the World Bank and consider smart farm as the solution for poverty in developing countries visited the center

Government Competitiveness 2017

to learn about a case of smart farm in South Korea. It is true that most non-OECD countries are not highly competitive in ICT or agriculture. Nevertheless, if successful, from a long-term perspective, support from OECD or developed countries will help facilitate ICT-based economic growth and achieve food security for developing countries.

What is Government Competitiveness?

"The power of government to, in light of various constraints, take resources from in and outside of the country and improve social, economic and cultural conditions of the nation in order to sustainably enhance citizens' quality of life."

Government Competitiveness (GC)

Level of Analysis: Nation

Focus: Government

Future Oriented

Reflection of change by Government's Effort

Possibility of Compare between Each Nation





What makes some governments more competitive than others? At minimum, addressing this question requires a basic understanding of what government competitiveness means. The

term government competitiveness is often used interchangeably with a host of similar concepts, many of which have been employed by research institutes such as IMD and WEF. Studies of competitiveness focus primarily on the national level, but GC and national competitiveness are not the same. GC is also frequently confounded with other concepts, including government capacity, good governance, and quality of power, government, national government effectiveness. organizational competitive advantage, and performance management.

The academic literature reveals several challenges in measuring GC. For example, some related concepts and their measurement reflect an ideological bias, such as the virtues of a free-market economy. As a result, some indices of national competitiveness – a concept similar to GC – focus primarily on economic and market indicators such as business-friendly conditions and economic growth. They are therefore less likely to include indicators of effective government, such as human development outcomes like education, healthcare, and social capital.

In light of these weaknesses, the Center's approach to understanding GC necessitates a multi-dimensional approach to measuring government support of citizens' well-being. GC is, in turn, defined as "the power of government to, in light of various constraints, take resources from in and outside of the country and improve social, economic and cultural conditions of the nation in order to sustainably enhance citizens' quality of life." The concepts of "constraints" and "quality of life" can be interpreted flexibly, depending on a nation's unique setting.

Emphasizing Government's Role

Existing national competitiveness indices, while helpful, suffer from certain theoretical and methodological shortcomings. With a disproportionate focus on business-related factors, indices such those introduced by the International Institute Management Development and World Economic Forum emphasize industrial productivity over social outcomes. Government's role in and contribution to general welfare has been unduly overlooked.

As such, a burgeoning line of research has begun broaden the concept of national competitiveness, by exploring additional dimensions. This developing line of research has also, in recent years, spurred interest in governments' relationship to different aspects of national competitiveness. In turn, several institutions have begun to develop indicators emphasizing the role of government in driving development and national competitiveness.

Prominent examples include the World Bank's Worldwide Governance Indicators (WGI) and the Quality of Government Institute's (QGI) (the University of Gothenburg) Quality of Government indicators (QoG). While these two indices represent important steps toward improving scholarly understanding about how government supports competitiveness, they also suffer from deficiencies that represent opportunities to improve on competitiveness studies.

The concept of GC adopts Easton's Systems Theory as a guiding theoretical framework. Systems theory assumes that a system, in a dynamic relationship with its environment, absorbs various inputs, transforms them in certain ways, generates outputs, and achieves certain

outcomes. This view suggests that organizations can accomplish their objectives with varying internal activities (conversion processes).

Based on the systems theory, the GC categorizes government roles into four sequential levels: input, throughput, output, and outcome. Most national competitiveness indices measure outputs as the main contributors to a country's competitiveness, but this method under-evaluates the competitive potential of countries with high information processing capacity or public management capability.

In contrast, the GC Index first analyzes competitiveness through each of the four levels – input, throughput (public management capacity), output, and outcome. The index then aggregates results from each level to produce an overall competitiveness score. This approach generates a variety of policy implications at each systemic level. The following are some sub-categories for each stage.

Input: resources, infrastructure, government expenditure, environment

Throughput: human capacity, management capacity, system, process

Output: policy, production, growth rate, improvement level, immediate goal achievement

Outcome: quality of life, satisfaction, social capital, ultimate goal achievement

Frequently Asked Questions for GC

1. How is GC different from other indices?

One of the Major issues that most previous indices share is that they have only been focusing heavily on market & business side. Due to this reason, those indices in ways lack serious effort of contemplating with the data and including the role of government in analysis.

To address this issues, GC suggests positive and normative aspects of government roles with GC system theory as a guiding theoretical framework. GC systems theory assumes that one system, in a dynamic relationship of government with its environment, absorbs various inputs and transforms them in certain ways that generate outputs and can achieve certain outcomes; the system incorporates the stage of development of OECD and Non-OECD countries.

2. How much does my county's overall ranking matter?

Your county's ranking is based on a *relative* score, which does not signify the absolute level of the performance. Also, a slightest difference in the actual scores may result in a huge difference in ranking.

In addition, oftentimes numerous policy areas have conflicting relationship. For example, when a developing country follows the GHG regulation, this may hinder their economic productivity. Therefore, we suggest you to focus on the result of each policy area rather than overall GC ranking.

3. How are subgroup categories formed? Why do subgroup rankings vary under a same policy area?

Subgroups in GC policy areas is designed to suggest more detailed policy suggestions.

Subgroups are classified through factor analysis of relevant indicators. Since one GC policy area is composed of a wide variety of indicators, subgroups reflect various aspects of policy area, and may present varied results.

4. Why do we care about *Throughput* results?

"Throughput" is a unique lens to look at the potentials of a government. GC has functions of (1) summarizing the current status of a government as well as (2) predicting the potential growth of it with the *Throughput* system. In the context of developing countries, the critical step is throughput, which determines the level of output with especially limited input.

5. How is GC Data collected?

We collected raw data published by international organizations along with NGOs and government reports. Among the collected data, those relevant to the roles of government are sorted into each GC policy areas for OECD and Non-OECD countries. These sorted data went through an indepth assessment over their validity, availability, and substantiality of the data.

6. Does Center for GC produce their own data?

Yes, we produce our own data sets particularly on the developing countries. In 2017, GC Global Survey was conducted with government officials in the central government of 51 Non-OECD countries. The survey captured the government human, financial, and institutional capacity as well as official's perception and behavior. CGC is targeting to expand the number of participating countries up to 89 Non-OECD countries in 2018.

GC Methodology

Selecting Indicators

In general, government competitiveness (GC) score is calculated following the methodology from previous years. However, our researchers underwent a systematic and rigorous review, striving to improve our previous works. First, we collected raw data published by approximately thirty international organizations along with NGOs and government reports. Among the collected data, those pertinent to the roles of government are sorted into GC policy areas for OECD and Non-OECD countries. These sorted data went through an in-depth assessment over their validity. availability, and sustainability. Especially, data that are not updated at least biennially were excluded while new indicators that meet the selection criteria were added.

Policy Area Specific Throughput Indices

Since 2016 GC indices have made improvement in throughput indices that are policy area specific. In previous years GC throughput indices have mainly focused on government's overall human and physical capacities. This year each policy area includes area-specific throughput indices, so that throughput indices more precisely reflect different government's roles in diverse policy areas.

For a given index, z-scores for every country are computed using the mean and the standard deviation. Then, for a country I, the score of an index k in policy area I and stage j is calculated in the following way:

$$Score_{ijkl} = \frac{Z_{ijkl} - \min Z_{ijk}}{\max Z_{iik} - \min Z_{iik}}$$

where Zijk is a vector of the index's z-scores for all countries and Zijk is the index's z-score for country I. Note that the set of indices for OECD countries are different from that of developing countries and, hence, the scores for two groups are estimated separately. Following these steps, each score will range from 0 to 1.

Now, each index under a policy area is categorized into one of the four stages, namely input, throughput, output and outcome. We calculate the scores for each stage by averaging the scores of indices that fall under it. In other words, the score for the country I's policy area I and stage j is:

$$\frac{1}{k_n} = \sum_{k=k_1}^{k_n} Z_{ijkl}$$

where k1, ..., kn represents the indices that fall under policy area I and stage j. Then, following the same process, the score Pil for a country I's policy area I will be calculated as an average of scores for the four stages. Finally, a country I's GC score will be computed as follows:

$$GCScore_{l} = \frac{1}{i_{m}} \sum_{i=i_{1}}^{i_{m}} P_{ii}$$

GC Policy Areas

Agriculture and Food

One of the most basic essentials for life is food. A competitive government needs to effectively intervene in strategic planning and priority setting for agricultural innovation and development, including the provision of incentives for private agents and technical assistance consultants.

Culture and Tourism

Culture can be a driver of economic growth through the promotion of creativity. Governments are now focusing on cultural development by providing education, engaging new audiences, and promoting tolerance and understanding.

Economy

Economic prosperity is a crucial dimension of competitiveness. Economic growth depends to a large extent on the behaviors of consumers and producers, but government activities are also crucial in maintaining economic stability.

Education

Quality human resources are important for a competitive economy. Governments should develop effective educational policies that value certain critical elements based on an integrated standard prioritizing equality of opportunity.

Environment

Economic growth sometimes occurs at the cost of environmental sustainability. A government is responsible for managing national environmental policy to foster sustainable development and protect the health and safety of citizens.

Governance

Government capacity for each activity area depends on the stability of a country's political system and civil society. Even for a government that can produce effective public policies, efficient implementation is difficult if the country's political system and civil society are unstable.

Health and Welfare

A competitive government should develop an equitable health care and welfare system that provides social safety nets, adopts a life-long approach to health, and supports retirement stability.

Information & Communications Technology (ICT)

The potential benefits of ICT are well known. However, the costs of ICT infrastructure are typically high, so it is sometimes necessary for government to intervene.

Infrastructure

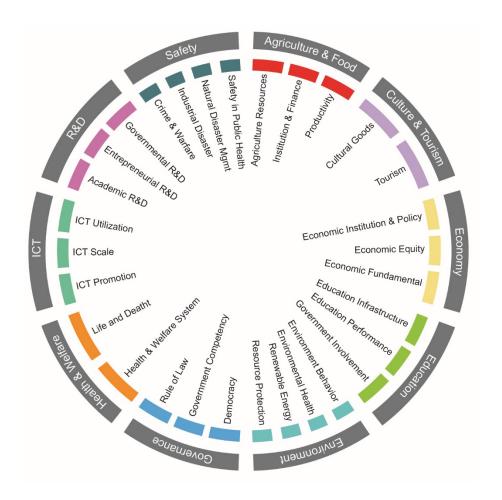
Infrastructure refers to the fundamental facilities, and a variety of social overhead capital (SOC). Given that the country's infrastructure requires a policy from a long-term perspective, and a certain executive administrational power.

Research and Development

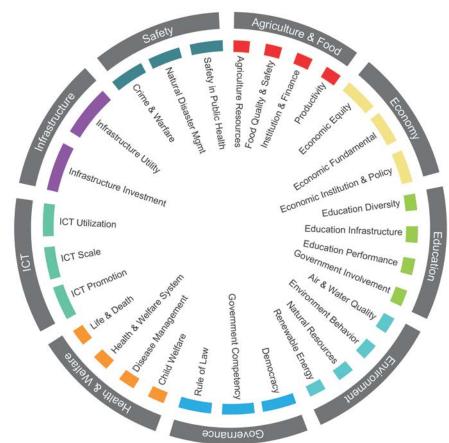
Governments play an important role in providing funding for public R&D programs in support of industrial policies or science and technology development strategy. A government can be a financier of R&D activities as well as a performer of R&D itself.

Safety

Government ability to manage disasters is increasingly important. Facing the increased likelihood of disasters, governments are under pressure to develop more sophisticated risk management systems.



OECD Countries



Non-OECD Countries

Part 2. Analysis of Countries by Policy Area

1. Non-OECD Countries

Agriculture and Food: Vietnam, Nigeria

Economy: Ethiopia, Philippines

Education: Costa Rica, Pakistan

Environment: Peru, Zambia

Governance: Botswana, Mongolia,

Romania, Costa Rica

Health and Welfare: Bangladesh, India, Romania

ICT: Azerbaijan, Indonesia

Infrastructure: Armenia, Malaysia

Safety: Qatar, Venezuela, Romania

2. Government Competitiveness of Korea

Agriculture & Food: Rankings of 2016-2017

Country	2017	2016	Change	Country	2017	2016	Change	Country	2017	2016	Change
Argentina	1	4	3	Peru	31	26	-5	Benin	61	66	5
Romania	2	15	13	Serbia	32	17	-15	Lebanon	62	60	-2
Oman	3	85	82	Uzbekistan	33	38	5	Mali	63	61	-2
Qatar	4	58	54	El Salvador	34	27	-7	Sierra Leone	64	62	-2
Brazil	5	7	2	Panama	35	22	-13	Kenya	65	57	-8
Kuwait	6	5	-1	Venezuela, RB	36	11	-25	Mongolia	66	64	-2
Malaysia	7	6	-1	Moldova	37	52	15	Senegal	67	65	-2
Uruguay	8	3	-5	Guatemala	38	34	-4	Mauritius	68	70	2
Korea, Rep.	9	2	-7	Jordan	39	32	-7	Angola	69	71	2
China	10	8	-2	Bangladesh	40	46	6	Latvia	70	72	2
Ukraine	11	19	8	Indonesia	41	42	1	Ethiopia	71	63	-8
South Africa	12	13	1	Colombia	42	35	-7	Lao PDR	72	69	-3
Russian Federation	13	14	1	Pakistan	43	45	2	Tanzania	73	84	11
Costa Rica	14	10	-4	Nigeria	44	54	10	Bosnia and Herzegovina	74	67	-7
Thailand	15	9	-6	Egypt, Arab Rep.	45	16	-29	Burkina Faso	75	74	-1
Tunisia	16	12	-4	Ecuador	46	36	-10	Jamaica	76	73	-3
Belarus	17	24	7	Dominican Republic	47	23	-24	Kyrgyz Republic	77	76	-1
Singapore	18	1	-17	Rwanda	48	48	0	Sudan	78	81	3
Vietnam	19	28	9	Nepal	49	51	2	Guinea	79	77	-2
Bahrain	20	40	20	Nicaragua	50	41	-9	Zambia	80	80	0
Bulgaria	21	20	-1	Uganda	51	49	-2	Timor-Leste	81	79	-2
Kazakhstan	22	25	3	Botswana	52	30	-22	Croatia	82	78	-4
Morocco	23	33	10	Albania	53	53	0	Mauritania	83	82	-1
India	24	18	-6	Cameroon	54	56	2	Georgia	84	83	-1
Paraguay	25	21	-4	Armenia	55	55	0	Mozambique	85	75	-10
Ghana	26	47	21	Lithuania	56	59	3	Liberia	86	87	1
Algeria	27	50	23	Bolivia	57	44	-13	Madagascar	87	86	-1
Sri Lanka	28	29	1	Cambodia	58	68	10	Zimbabwe	88	88	0
Philippines	29	31	2	Honduras	59	39	-20	Congo, Dem. Rep.	89	89	0
Azerbaijan	30	43	13	Malawi	60	37	-23	Nop.			

Agriculture & Food: Rankings by Subgroup

Country	Food Quality Safety	& Institution & Finance	§ Productivity	Country	Food Quality Safety	& Institution Finance	& Productivity	Country	Food Quality Safety	& Institution & Finance	Productivity
Argentina	10	3	68	Peru	41	19	29	Benin	62	65	13
Romania	9	8	85	Serbia	24	44	79	Lebanon	21	-	87
Oman	19	1	56	Uzbekistan	32	51	12	Mali	60	58	8
Qatar	25	9	32	El Salvador	47	54	69	Sierra Leone	80	67	1
Brazil	12	5	48	Panama	35	23	74	Kenya	72	49	26
Kuwait	11	11	2	Venezuela, RB	33	21	70	Mongolia	77	-	6
Malaysia	22	13	53	Moldova	38	-	72	Senegal	68	56	38
Uruguay	17	14	42	Guatemala	53	38	21	Mauritius	3	-	86
Korea, Rep.	8	4	84	Jordan	39	24	50	Angola	75	58	3
China	20	9	49	Bangladesh	78	31	31	Latvia	4	-	45
Ukraine	13	40	33	Indonesia	64	26	35	Ethiopia	84	46	9
South Africa	42	6	66	Colombia	44	29	71	Lao PDR	74	66	5
Russian Federation	16	7	61	Pakistan	65	43	22	Tanzania	82	62	4
Costa Rica	27	12	59	Nigeria	55	51	57	Bosnia and Herzegovina	2	-	82
Thailand	45	14	54	Egypt, Arab Rep.	30	36	58	Burkina Faso	70	70	25
Tunisia	23	28	75	Ecuador	46	39	65	Jamaica	28	-	83
Belarus	6	42	55	Dominican Republic	54	47	47	Kyrgyz Republic	40	-	67
Singapore	18	2	77	Rwanda	69	58	20	Sudan	63	69	40
Vietnam	48	18	30	Nepal	59	45	17	Guinea	79	71	36
Bahrain	37	16	15	Nicaragua	57	35	39	Zambia	83	62	11
Bulgaria	31	17	73	Uganda	71	53	76	Timor-Leste	67	-	60
Kazakhstan	15	33	52	Botswana	56	34	80	Croatia	1	-	88
Morocco	29	25	43	Albania	7	-	28	Mauritania	88	-	19
India	66	26	23	Cameroon	49	55	18	Georgia	26	-	89
Paraguay	36	40	14	Armenia	14	-	34	Mozambique	89	64	24
Ghana	50	37	37	Lithuania	5	-	51	Liberia	87	-	46
Algeria	34	22	16	Bolivia	58	48	27	Madagascar	86	68	44
Sri Lanka	61	20	62	Cambodia	73	50	10	Zimbabwe	76	-	81
Philippines	51	31	64	Honduras	52	57	63	Congo, Dem. Rep.	85	72	78
Azerbaijan	43	30	41	Malawi	81	61	7				

Agriculture & Food

1. Overview

One of the most basic essentials for life is food. However, the world is currently faced with an unprecedented call for action in providing this fundamental matter. Especially northeast Nigeria, South Sudan, Yemen and Somalia have been identified as countries at risk of famine, and demand for humanitarian and resilience assistance (FSIN, 2017). Also, it is known that numerous conflicts and unpredictable climate changes have impacted food security in sub-Saharan Africa (BBC, 2017).

A government that is "competitive" must realize the need of effectively intervening and strategically assisting the agricultural plan to maximize food and nutrition for all, despite its limited resources. Ultimately, competitive government would mitigate the risk of food crises and severity of such crises, which will eventually enhance the national competitiveness through their promotion of upright public health.

In agriculture and food section, the meaning of stage is as below. Each stage score can be a reference to see where improvements may be made.

First, 'input' stage is defined as a setting for agriculture, which means availability of the land for farming. Second, 'throughput' stage shows the government's role in agriculture. Third, 'output' stage of agriculture sector is the safety level of food and water produced that could be consumed by people. Finally, 'outcome' stage signifies the evaluation of nutritional diversity and quality of food that people consume.

Overall Results

Since agriculture and food related issues are addressed in long-term, it is reasonable to see some consistency in top 10 and bottom 10 of the ranking.

Specifically, Oman(3rd) has entered in ranking top 10 with good grades and the scores from throughput stage has contributed greatly. Oman government received high score on indicators regarding the existence of policy for food safety and nutrition.

The GC ranking of Thailand(15th), which scored low on the output and outcome stage compared to input and throughput stages, is slightly lower than that of last year. However since the throughput stage score is high, it is likely to expect the output and outcome would get higher in the long run.

Tanzania(73rd) received 11 steps higher ranking in agriculture and food section compared to last year. Agriculture accounts for 26.7% of Tanzania's GDP and this industry provides employment for the majority of nation's population. Therefore, many opportunities exist in agriculture business across the domestic, regional and international markets (FAO, 2017c).

Evaluation of Subgroup Performance

The subgroup performance ranking is diversified and with careful analysis of the GC score in subgroup may help governments plan agricultural policy more strategically.

There are four subgroups in agriculture and food section. Food quality and safety includes diversity of nutrition and measurement of food and drinking water quality. Food safety and quality have become essential components for the protection of public health. In this subgroup, Croatia and Bosnia & Herzegovina are top 2 countries.

Oman has ranked in 19th in food quality and safety subgroup. However this result is worse than expected since Oman had put in a great effort to propose the food safety and quality control issues. An example of this effort is Oman expo's first edition of Food safety Oman Conference, in which experts from Muscat Municipality, Ministry of Regional Municipalities and Water resources and many Hotels participate, being published.

In GC score, Institution and Finance is an important part in understanding the role of government, since it includes government policy and standards set out for the producer and consumer of agriculture product. In this subgroup, Oman and Argentina show best performance among developing countries. However, these governments still have problem in trying to protect their farmers with government policy, since the free trade system is selected by most OECD countries.

In productivity subgroup, Sierra Leone and Kuwait received the highest score in the developing countries. Productivity means the value created through farming or crop production, such as amount of cereal yields. It can be related to food self-sufficiency.

Also, Lao PDR(5th) is one of the high ranking countries in this subgroup. In specific, 5 million hectare land is suitable for Lao PDR's cultivation and this is a proof of their great potential in productivity However even though 72 percent of their total cultivated area is dedicated to rice, they still face the challenge of competing with neighboring countries' imported goods and meeting the quality standard level(including food safety) (FAO, 2017a).

Resource is closely related to the natural environment, such as land and water source. In the subgroup of Resources Moldova and Bangladesh ranked first and second in the developing countries.

Comparison among Smaller Groups

Natural disasters and extreme weather events were primary drivers for food insecurity. In Southern Africa, El Nino-induced drought were severe in Malawi(60th), Ethiopia(71st), Mozambique(85th), Madagascar(87th), and Zimbabwe(88th) (FSIN, 2017).

However even in this similar situation, Malawi government took better effort in mitigating the damage on farming industry with their Disaster Risk Management in 2015; this is a powerful factor that placed Malawi in higher agriculture and food policy area ranking compared to the other countries mentioned. In contrast, the counties ranked lower on the list could enhance the GC ranking if they better deal with these situations by opening up their data and information more globally.

Southeast Asia is a region of agricultural diversity. Malaysia(7th), Thailand(15th), Vietnam(19th), Philippines(29th) are the countries that ranked relatively high in agriculture policy area. Malaysia is the world's second-largest palm oil producer, which is the most reliant on one production activity – rice and palm oil respectively. The Philippines is the only country where the share of rice in its total agricultural production value has increased, when other countries diversified in the kinds of agriculture (OECD & FAO, 2017).

2. Issues and Policy Implications

Viet Nam: Focusing On Farmers in Agriculture

Vietnam government showed concern about changing weather patterns last year, which is deleterious for long-period harvesting. Recently a large typhoon named Doksuri affects Vietnam, which is considered as the most powerful storm in a decade.

Because of the natural disaster, there are some damages on agricultural production. The productivity subgroup ranking(30th) is lower compared with agriculture resources(16th) and

institution and finance(18th) subgroup ranking.

It is predicted that the gravitation of population towards the cities would be stronger. The Viet Nam Living Standards Survey shows that percapita income in urban areas is almost double than in rural areas. Consequently, Viet Nam shows a typical characteristic of a dual economy. On one side, the majority of the population has low income and lives in rural areas. On the other side, it is a fast growing economy along with industrialization and urbanization (FAO. 2017)

Despite rapid agricultural growth together with fast GDP growth and rise in agricultural exports, nearly 70% of the population is still classified as rural, and rural incomes are still far below the incomes of urban (FAO, 2017). If the government focuses on agriculture as well as industrialization in urban, there could be a more fair development across the country.

Considering Vietnam people's heavy dependency on rice as a staple food, the productivity of agriculture is very important. The result of GC score in agriculture section for OECD countries is closely linked to self-sufficiency. Therefore, Vietnam is not only trying to industrialize, but also trying hard to increase productivity through efficient use of fertilizer, irrigation development and technology.

Nigeria: Focusing On Basic Farming Technique

Nigeria is often referred to as the "Giant of Africa", owing to its large population and economy. With approximately 190 million inhabitants (CIA, 2017), it is the most populous country in Africa. Therefore Nigeria is the continent's leading consumer of rice, one of the largest producers of rice in Africa and simultaneously one of the largest rice importers in the world (FAO, 2017). However, many communities in Nigeria are experiencing dangerous level of hunger and malnutrition.

Even though Nigeria produces oil, agriculture still is the bases of the Nigerian economy, which provide the main source of livelihood for most Nigerians. Agriculture employs two-thirds of the entire labour force. The sector faces many challenges, notably an outdated land tenure system that constrains access to land, a very low level of irrigation development, limited adoption of research findings and technologies, inefficient fertilizer procurement and distribution, inadequate storage facilities have all combined to keep agricultural productivity low (FAO, 2017). Additionally, there are conflicting communities, as well as rapid population growth that make the productivity of agriculture fail to keep up with the pace. As a result Nigeria now relies upon food imports to sustain itself.

Nigeria is generously endowed with abundant natural resources including biological and nonbiological resources, but there has been a gradual decline in agriculture's contributions to the nation's economy (Manyong et al., 2005; Olajide, O.T. et al., 2012). According to the Olajide, O.T. et al.(2012) research, farmers are suffering from many problems such as insufficient access to modern techniques, markets, land and environmental degradation, inadequate research and extension services, and poor infrastructure. Although the research took place in 2012, the context still remains valid and can be proved by the GC score in 2017. Agriculture resources subgroup ranking(18th) is higher compared to the other subgroups such as institution and finance(51st), productivity(57th), and food quality and safety(55th).

In the last remark, Nigeria's agriculture output still accounts for large part of the GDP. However, since value of fertilizer consumption is the lowest in the resource sub-group data, it is recommended that government would provide funds to acquire sophisticated farm tools and increase budgetary allocation to this sector.

Economy: Rankings of 2016-2017

Country	2017	2016	Change	Country	2017	2016	Change	Country	2017	2016	Change
Singapore	1	1	0	Indonesia	31	33	2	Burkina Faso	61	72	11
Qatar	2	2	0	Bolivia	32	36	4	Belarus	62	62	0
China	3	10	7	Mongolia	33	26	-7	Zambia	63	68	5
Thailand	4	4	0	Honduras	34	47	13	Cameroon	64	69	5
Panama	5	3	-2	Bahrain	35	20	-15	Malawi	65	85	20
Vietnam	6	8	2	Dominican Republic	36	42	6	Egypt, Arab Rep.	66	67	1
Malaysia	7	7	0	Nepal	37	39	2	Zimbabwe	67	82	15
Costa Rica	8	14	6	India	38	46	8	Senegal	68	63	-5
Peru	9	9	0	Serbia	39	38	-1	Pakistan	69	71	2
Korea, Rep.	10	5	-5	Albania	40	27	-13	Benin	70	70	0
Lithuania	11	13	2	Ethiopia	41	55	14	Argentina	71	73	2
Kyrgyz Republic	12	28	16	Azerbaijan	42	23	-19	Lebanon	72	64	-8
Uruguay	13	11	-2	Sri Lanka	43	35	-8	South Africa	73	75	2
Kuwait	14	6	-8	Rwanda	44	54	10	Bosnia and Herzegovina	74	66	-8
Kazakhstan	15	25	10	Croatia	45	41	-4	Madagascar	75	79	4
Romania	16	17	1	Liberia	46	58	12	Tunisia	76	59	-17
Colombia	17	18	1	Ecuador	47	48	1	Guinea	77	86	9
Latvia	18	12	-6	Armenia	48	53	5	Kenya	78	77	-1
Cambodia	19	22	3	Moldova	49	45	-4	Jordan	79	60	-19
Brazil	20	29	9	Bangladesh	50	44	-6	Mali	80	76	-4
Lao PDR	21	19	-2	Tanzania	51	51	0	Algeria	81	74	-7
Paraguay	22	30	8	Mozambique	52	37	-15	Mauritania	82	88	6
Philippines	23	34	11	Jamaica	53	52	-1	Uganda	83	61	-22
Bulgaria	24	21	-3	Guatemala	54	56	2	Timor-Leste	84	78	-6
Georgia	25	24	-1	Botswana	55	50	-5	Congo, Dem. Rep.	85	87	2
El Salvador	26	31	5	Ukraine	56	65	9	Angola	86	81	-5
Nicaragua	27	32	5	Ghana	57	49	-8	Venezuela, RB	87	80	-7
Russian Federation	28	43	15	Uzbekistan	58	57	-1	Nigeria	88	83	-5
Oman	29	16	-13	Sierra Leone	59	84	25	Sudan	89	89	0
Mauritius	30	15	-15	Morocco	60	40	-20				

Economy: Rankings by Subgroup

Country	Economic Equity	Economic Fundamental	Economic Institution & Policy	Country	Economic Equity		Economic Institution & Policy	Country	Economic Equity	Economic Fundamental	Economic Institution & Policy
Singapore	56	1	2	Indonesia	24	16	46	Burkina Faso	73	47	58
Qatar	46	2	25	Bolivia	26	24	57	Belarus	40	61	70
China	33	3	27	Mongolia	29	41	34	Zambia	86	43	44
Thailand	1	8	26	Honduras	48	44	35	Cameroon	60	22	77
Panama	23	12	15	Bahrain	70	11	29	Malawi	71	74	67
Vietnam	11	7	51	Dominican Republic	38	33	41	Egypt, Arab Rep.	31	78	64
Malaysia	13	9	12	Nepal	20	40	60	Zimbabwe	74	56	81
Costa Rica	17	26	11	India	47	5	49	Senegal	59	64	59
Peru	45	20	7	Serbia	54	68	8	Pakistan	27	54	82
Korea, Rep.	83	4	5	Albania	37	70	18	Benin	82	38	61
Lithuania	65	19	1	Ethiopia	5	27	84	Argentina	32	86	69
Kyrgyz Republic	30	32	32	Azerbaijan	43	60	50	Lebanon	75	59	48
Uruguay	10	50	14	Sri Lanka	8	45	45	South Africa	78	87	24
Kuwait	25	6	40	Rwanda	84	23	20	Bosnia and Herzegovina	63	88	23
Kazakhstan	3	39	30	Croatia	69	51	9	Madagascar	85	55	72
Romania	58	17	4	Liberia	68	63	76	Tunisia	52	82	52
Colombia	28	53	19	Ecuador	9	65	62	Guinea	80	72	71
Latvia	67	28	3	Armenia	76	66	22	Kenya	87	73	38
Cambodia	21	10	74	Moldova	34	58	21	Jordan	55	81	43
Brazil	4	42	31	Bangladesh	16	21	83	Mali	64	77	65
Lao PDR	7	15	66	Tanzania	53	30	63	Algeria	18	62	80
Paraguay	2	31	54	Mozambique	77	80	68	Mauritania	49	76	78
Philippines	15	14	47	Jamaica	61	69	33	Uganda	89	75	39
Bulgaria	50	29	6	Guatemala	41	52	56	Timor-Leste	36	35	86
Georgia	79	36	13	Botswana	88	48	17	Congo, Dem. Rep.	72	46	87
El Salvador	19	57	16	Ukraine	39	79	42	Angola	44	85	85
Nicaragua	14	34	53	Ghana	81	49	55	Venezuela, RB	6	89	89
Russian Federation	42	13	28	Uzbekistan	12	71	79	Nigeria	62	84	73
Oman	22	18	36	Sierra Leone	66	37	75	Sudan	51	83	88
Mauritius	57	25	10	Morocco	35	67	37				

Economy

Overview

Economy, which developed into the most important part of any society and every nation, is considered as one of the most critical areas in government competitiveness. The economy generally refers to all activities that produce, distribute and consume goods and services necessary for human life, and the system surrounding these activities. In other words, economic area is the substantial foundation for other policy sectors and is closely linked to other policy sectors. This is why GC in the economic realm is more important in the age of globalization with infinite competition. Especially in countries that markets and civil society are not as mature, the role of government in economic development is more important and influential.

The economic sector consists of four stages: input, throughput, output, and outcome. The definition of each stage is as follows.

First, input in the economic sector means basic conditions for the people's livelihood and income increase. Indicators for inputs include road paving rate, capital investment by GDP, labor force per population, etc.

Second, throughput is defined by the capacity, policies and efforts of the government for income increase and sustainable growth. Throughput includes indicators such as government and civilian capabilities, anti-monopoly policy, macro stability, registering property, etc. These indicators are closely related to the role of the government.

Third, the output is the direct and short-term result

of the previous phases of input and conversion. This step is a measure of indicators such as trade (% of GDP), current account balance (% of GDP), GDP growth (annual %), inflation, consumer prices (annual %), Poverty headcount ratio at national poverty line, etc.

Finally, the outcome shows the quality of life and sustainable economic growth. This step intends to reflect the long-term results such as GDP growth (5 years in average), GINI Index, Happiness Index, long-term unemployment, etc.

In the economy section of this year's GC Index, Singapore ranked first, followed by Qatar, China, Thailand, Panama, Vietnam, Malaysia, Costa Rica, Peru, South Korea. There is no substantial change in the top 10 of economy area except for China and Costa Rica. With their outstanding performances of the government, China rises seven places to 3rd place. from 10th last year. Costa Rica enters the top 10, ranking 9th.

The lower rank is mostly occupied by countries in Sub-Saharan Africa. Compared with last year, the rankings on the bottom-tier countries tend to fall further because of the falling prices international oil and raw materials, and the government's fragmentary policies. Especially most sub-Saharan oil exporting nations, such as the Congo, Angola and Nigeria, have suffered extreme economic burdens due to weak oil prices in recent years. Most sub-Saharan oil exporting nations, such as the Congo, Angola and Nigeria, have suffered extreme economic burdens due to weak oil prices in recent years. The recession in these countries is spreading across the oil-related sector, then throughout the economy, and becoming fixed gradually.

2. Issues and Policy Implications

Ethiopia

This year's Ethiopia's government competitiveness in the economic sector remains strong. Ethiopia ranks 41st in the economy area, jumping 14 spots from 55th place last year. In the past, Ethiopia was known as the world's poorest nation. Only a decade ago, no one expected to see the continued rapid growth of the Ethiopian economy. But recently it has achieved doubledigit economic growth over the past few years due to large investments in government-led public sector. Over the past decade, Ethiopia has been one of the fastest growing economies in the world, with an average growth rate of 10.9%. Ethiopian economy continues to grow remarkably. Real GDP (RGDP) has grown 8.0% in 2016 and is expected to grow 7.5% in 2017. Concerns over exports and food shortages are growing as the worst drought in 50 years continues, but it is unlikely to affect mid to long-term economic growth of Ethiopia.

Moreover, the newly constructed Addis Ababa-Djibouti railway line will improve the accessibility of Ethiopia, which is located in the inland highlands of northeastern Africa. With the opening of the railway, it took 7 days to transport goods from Addis Ababa to Djibouti on existing roads, but it will be reduced to 10 hours in the future. The government's increased focus on new industrial parks (Hawassa and Bole-Lemi Phase II) and the increasing capacity in power generation along with the completion of transmission neighboring lines to and Kenya are also projected to raise export performance and promote the short to mediumterm growth(Africa Research Bulletin, 2017). Therefore, the economic growth of Ethiopia is expected to remain high for the time being.

The key point is that this high growth has mainly been achieved by public sector-led development. In 2011, the Ethiopian government poured effort into the GTP (Growth and Transformation Plan), resulting in double-digit growth. And from 2016 to

2020, a 5-year second GTP will be implemented.

Philippines

Recently, the Philippine government's competitiveness has been attracting attention as the economy of the Philippines has achieved high growth rates. During the six-year term of President Benigno Aquino III (2010–2016), the Philippines became one of the best economies in the region (Lawrence Agcaoili, 2016). Agriculture is still an important part of the economy, but industrial production in areas such as electronics, clothing and shipbuilding is growing rapidly. Remittances from overseas workers account for almost 10% of GDP.

The Philippines is one of the countries with the highest economic growth rates among Asian countries. The Philippines recorded the fastest gross domestic product growth (6.8%) last year among ASEAN-5 member countries and is expected to continue its high growth rate in 2017. The Philippine economy maintained the steady growth of domestic demand due to the benefits of a stable macroeconomic environment with low inflation and low debt to GDP ratio. And the revival of the Asia-Pacific region has increased exports close to one-third of GDP. The macroeconomic base of the country maintains its strength and monetary conditions support growth. But the decline in investment after President Duterte's war on drugs and the excessive amount of remittances from Overseas Filipino Workers sent abroad is a matter for the government to solve in the future.

Education: Rankings of 2016-2017

Country	2017	2016	Change	Country	2017	2016	Change	Country	2017	2016	Change
Singapore	1	1	0	Georgia	31	40	9	India	61	35	-26
Korea, Rep.	2	6	4	Albania	32	41	9	Egypt, Arab Rep.	62	77	15
Ukraine	3	29	26	Kyrgyz Republic	33	43	10	Rwanda	63	20	-43
Lithuania	4	15	11	Zimbabwe	34	49	15	Malawi	64	59	-5
Latvia	5	19	14	Brazil	35	69	34	Nepal	65	32	-33
Costa Rica	6	2	-4	Tunisia	36	52	16	Senegal	66	80	14
Qatar	7	4	-3	Azerbaijan	37	63	26	Guatemala	67	62	-5
Uruguay	8	30	22	Sri Lanka	38	12	-26	Tanzania	68	82	14
Philippines	9	11	2	Colombia	39	34	-5	Cameroon	69	60	-9
Belarus	10	33	23	Kuwait	40	64	24	Lao PDR	70	47	-23
Uzbekistan	11	8	-3	Paraguay	41	51	10	Uganda	71	72	1
Argentina	12	26	14	Botswana	42	25	-17	Bangladesh	72	44	-28
Mauritius	13	16	3	Panama	43	38	-5	Pakistan	73	75	2
Jordan	14	18	4	Indonesia	44	9	-35	Cambodia	74	28	-46
Russian Federation	15	57	42	Kenya	45	14	-31	Ethiopia	75	70	-5
Oman	16	56	40	Jamaica	46	50	4	Angola	76	86	10
Moldova	17	37	20	Venezuela, RB	47	13	-34	Mozambique	77	79	2
Malaysia	18	5	-13	Dominican Republic	48	54	6	Benin	78	73	-5
Kazakhstan	19	36	17	China	49	31	-18	Nicaragua	79	24	-55
Croatia	20	17	-3	Bosnia and Herzegovina	50	65	15	Madagascar	80	81	1
Bulgaria	21	55	34	South Africa	51	68	17	Nigeria	81	71	-10
Bolivia	22	22	0	Ghana	52	45	-7	Congo, Dem. Rep.	82	88	6
Serbia	23	42	19	Algeria	53	53	0	Burkina Faso	83	74	-9
Peru	24	67	43	El Salvador	54	23	-31	Sierra Leone	84	76	-8
Mongolia	25	39	14	Lebanon	55	27	-28	Mauritania	85	83	-2
Bahrain	26	10	-16	Vietnam	56	7	-49	Mali	86	85	-1
Romania	27	48	21	Zambia	57	46	-11	Liberia	87	84	-3
Thailand	28	3	-25	Honduras	58	61	3	Sudan	88	87	-1
Ecuador	29	21	-8	Morocco	59	58	-1	Guinea	89	89	0
Armenia	30	66	36	Timor-Leste	60	78	18				

Education: Rankings by Subgroup

Country	Education Diversity	Education Infrastructure	Education Performance	Country	Education Diversity		Education Performance	Country	Education Diversity	Education Infrastructure	Education Performance
Singapore	1	1	4	Georgia	47	84	7	India	18	45	59
Korea, Rep.	26	44	3	Albania	25	65	16	Egypt, Arab Rep.	69	75	44
Ukraine	21	14	5	Kyrgyz Republic	55	51	33	Rwanda	31	2	70
Lithuania	11	47	2	Zimbabwe	41	36	61	Malawi	70	5	72
Latvia	19	61	6	Brazil	61	82	38	Nepal	29	39	63
Costa Rica	22	31	17	Tunisia	17	48	42	Senegal	35	37	81
Qatar	2	50	19	Azerbaijan	83	33	26	Guatemala	75	83	65
Uruguay	12	11	22	Sri Lanka	7	57	24	Tanzania	71	19	71
Philippines	24	8	28	Colombia	54	23	36	Cameroon	62	56	66
Belarus	44	25	1	Kuwait	30	64	34	Lao PDR	59	32	64
Uzbekistan	56	17	21	Paraguay	52	55	48	Uganda	87	16	69
Argentina	45	42	8	Botswana	79	41	50	Bangladesh	43	72	68
Mauritius	15	26	18	Panama	51	28	39	Pakistan	76	15	76
Jordan	28	22	23	Indonesia	34	69	40	Cambodia	86	7	67
Russian Federation	33	58	10	Kenya	36	66	47	Ethiopia	67	20	80
Oman	6	52	13	Jamaica	77	29	53	Angola	89	54	79
Moldova	40	24	41	Venezuela, RB	13	74	35	Mozambique	80	10	84
Malaysia	5	12	29	Dominican Republic	68	60	46	Benin	82	38	73
Kazakhstan	32	13	12	China	23	71	55	Nicaragua	88	87	74
Croatia	8	77	9	Bosnia and Herzegovina	58	81	45	Madagascar	53	86	75
Bulgaria	37	70	11	South Africa	60	76	54	Nigeria	74	85	82
Bolivia	39	79	31	Ghana	46	67	58	Congo, Dem. Rep.	84	4	78
Serbia	20	78	15	Algeria	49	49	43	Burkina Faso	66	3	88
Peru	50	43	27	El Salvador	63	27	51	Sierra Leone	4	88	77
Mongolia	14	9	32	Lebanon	9	46	52	Mauritania	64	53	83
Bahrain	10	35	14	Vietnam	72	18	56	Mali	78	59	89
Romania	16	63	20	Zambia	81	6	60	Liberia	73	80	85
Thailand	48	21	37	Honduras	42	68	57	Sudan	65	-	87
Ecuador	38	40	30	Morocco	57	30	62	Guinea	85	62	86
Armenia	27	34	25	Timor-Leste	3	73	49				

Education

1. Overview

Goals of Education in Developing Countries

As emphasized in an Oriental maxim that stresses education as a plan which spans a hundred years, education is one of the most important policy areas which can determine the future competitiveness of a nation. Education is also an essential asset in a knowledge-intensive information and society. when properly accumulated and developed, it can contribute towards enhancing the quality of other sectors throughout the government. The goals and objectives of state's education policies can vary. This is because education, which can be utilized to diverse policy arenas, could have different meanings to stakeholders. For instance, many studies have demonstrated that education tends to have positive spill-over effects towards relevant policy areas, such as public health, environment, governance and the economy. For developing countries, one of the most urgent policy imperatives is often placed on the accumulation of human capital. As well-explained in the economic growth theory, differences in the level of workers' education in developed and underdeveloped countries can lead to sizable differences in income levels.

Input in education can be understood as physical and human resources which are invested in formulating policies in relevant sectors of education. In order to measure such inputs, often used are the amount of investment in facilities and human resources. Transition means a variety of educational systems and policies implemented by

the government. Transition policy can be encapsulated through measuring the quality level of education policy. The competitiveness index operationalizes the following variables addressing the input for education: (1) the years of compulsory education, (2) the proportion of education spending in government annual budgets, (3) and the quality of education system. Similarly, output in education can be understood as a direct achievement from the state's activities on education. It can be measured by the enrollment rate or the completion rate of pupils in primary- and secondary education. Also, the degrees of educational attainment in the intellectual level can be used. Among the OECD member-states, there exists an indicator which is used to assess the degree of state-level achievement in certain intellectual criteria, such as the PISA scores. Lacking such systemic information gathering, developing countries tend to rely on the enrollment rate and the expected years of education as key indicators for composing the index. In addition, the GC Index sought to enhance accuracy in describing the educational gap along the gender lines through accounting the school registration rate of men versus women. In terms of assessing the overall accumulation of human capital, average education level of the populace and their illiteracy rates are often used. In this sense, the GC Index uses the average years of education and illiteracy rates as proxies for gauging the policy outcomes.

Result of This Year

For the education section of the Government Competitiveness Index 2017, Singapore ranked

first, followed by South Korea, Ukraine, Lithuania and Latvia, respectively. The lower ranks are mostly occupied by countries in Sub-Saharan Africa. Results indicate that there is a close correlation between national education level and income level. Compared to the last year, the rankings on the top- and bottom-tier countries did not change much. In contrast, middle-ranking countries had significant fluctuation of performances as composition of indicators have gone through revisions and modifications.

2. Issues and Policy Implications

Costa Rica: Rich in Quantity, but Poor in Quality

Costa Rica, a country well-known for its natural environment, is famous for another distinctive trait: absence of military. This indicates that Costa Rica was able to utilize a large proportion of the budget on social welfare such as education and public health programs. Its K-12 education services are run costless for all citizens. It has been analyzed that approximately 7 percent of GDP is being used for the state-sponsored education system. Therefore, it can be concluded that Costa Rica's superb educational performances, best in Latin America, are attributable to the sheer size of the educational expenditure of the government. Costa Rica's impressive quantitative performances on education notwithstanding, actual quality of education reveals a different story. OECD report (2017) shows that Costa Rica's overall 8th grade PISA score in 2015 is only about a baseline achievement of those in OECD member-states. In addition, it has been shown that Costa Rica's PISA performance in 2015 actually decreased from that in 2009. Equity, which results from the nation's socioeconomic inequality, is also a major hindrance in Costa Rica's educational performances, as most of students from upper-middle class enjoy wealthy privileges in private schools. As a result, a high proportion of college students are comprised of those from high-income families. In this sense, the country's recent government plan, known as

Alberto Cañas Escalante 2015-2018, has renewed its emphasis on improving the competitiveness of Costa Rica's public education.

Pakistan: Education at Risk

In 2014, a 17-year old girl in Pakistan named Malala Yousafzai, was awarded the Nobel Peace Prize for her contribution towards education and human rights for women. Despite all the fanfares abroad, her entitlement to one of the most prestigious honor is actually a sign of disgrace for education system in Pakistan. Public education in Pakistan is in serious risk. As the Pakistani branch of the Taliban is gaining its operational momentum, even higher priority of government affairs is being placed on the homeland security, which eventually leads to poorer management its public schools and gender equality in classrooms. Pakistan's government spending on education was a mere 2.6 percent of the total GDP, exacerbating the country's chronic problems on the shortages of qualified teachers and lack of infrastructures. As a result, despite the 12 years of compulsory education system, Pakistani children's expected years of schooling are only 7.7 years. Increasing presence of Taliban in Pakistan is affecting students' lives as well as the state expenditure on educational policies. The number of student deaths is on the rise due to Taliban's increased attacks on schools. Such threats to safety are hampering the access of students and parents towards opportunities to learning (Washington Post. 29 Jan, 2016).

Noticing such difficulties, developed countries have continuously provided assistance towards Pakistan. Yet, the nation's rampant corruption and political complexities have made it even difficult to solve the problem. As Maslow's Hierarchy of Needs effectively demonstrates, security seems to be a more urgent issue than education in Pakistan.

Environment: Rankings of 2016-2017

Country	2017	2016	Change	Country	2017	2016	Change	Country	2017	2016	Change
Peru	1	3	2	Sri Lanka	31	63	32	Mauritius	61	59	-2
Bulgaria	2	9	7	Tanzania	32	20	-12	Nigeria	62	79	17
Costa Rica	3	5	2	Morocco	33	53	20	Latvia	63	1	-62
Croatia	4	12	8	Benin	34	56	22	Bahrain	64	77	13
Zambia	5	4	-1	Congo, Dem. Rep.	35	34	-1	Kyrgyz Republic	65	66	1
Brazil	6	2	-4	Nepal	36	48	12	Tunisia	66	65	-1
Lithuania	7	11	4	Burkina Faso	37	69	32	Albania	67	22	-45
Romania	8	16	8	Guinea	38	41	3	Mali	68	82	14
Venezuela, RB	9	7	-2	Guatemala	39	30	-9	Qatar	69	85	16
Colombia	10	6	-4	Russian Federation	40	18	-22	Liberia	70	25	-45
Panama	11	8	-3	Georgia	41	32	-9	Egypt, Arab Rep.	71	78	7
Ecuador	12	19	7	Kuwait	42	84	42	Algeria	72	75	3
Armenia	13	31	18	Jamaica	43	50	7	China	73	64	-9
Lao PDR	14	10	-4	Uganda	44	52	8	Bosnia and Herzegovina	74	51	-23
Zimbabwe	15	43	28	Indonesia	45	45	0	Uzbekistan	75	83	8
Nicaragua	16	33	17	Cameroon	46	44	-2	Pakistan	76	88	12
Malaysia	17	14	-3	Kenya	47	58	11	Ukraine	77	60	-17
Bolivia	18	13	-5	El Salvador	48	49	1	Mongolia	78	73	-5
Botswana	19	27	8	Mozambique	49	38	-11	Moldova	79	68	-11
Senegal	20	37	17	Rwanda	50	62	12	India	80	76	-4
Cambodia	21	36	15	Uruguay	51	23	-28	Jordan	81	74	-7
Ghana	22	35	13	Korea, Rep.	52	15	-37	Kazakhstan	82	80	-2
Paraguay	23	17	-6	Belarus	53	26	-27	Lebanon	83	72	-11
Thailand	24	39	15	South Africa	54	54	0	Bangladesh	84	87	3
Dominican Republic	25	29	4	Argentina	55	55	0	Madagascar	85	70	-15
Honduras	26	24	-2	Timor-Leste	56	67	11	Oman	86	81	-5
Vietnam	27	42	15	Serbia	57	28	-29	Angola	87	61	-26
Singapore	28	21	-7	Azerbaijan	58	57	-1	Sudan	88	86	-2
Malawi	29	47	18	Ethiopia	59	71	12	Mauritania	89	89	0
Philippines	30	40	10	Sierra Leone	60	46	-14				

Environment: Rankings by Subgroup

Country	Air & Water Quality	Environment Behavior	Natural Resources	Renewable Energy	Country	Air & Water Quality	Environment Behavior	Natural Resources	Renewable Energy
Peru	29	6	9	13	Cameroon	51	12	41	40
Bulgaria	7	56	5	12	Kenya	58	16	54	20
Costa Rica	6	7	26	10	El Salvador	19	39	64	8
Croatia	2	30	11	44	Mozambique	74	5	34	43
Zambia	49	9	1	16	Rwanda	73	26	58	15
Brazil	8	13	8	39	Uruguay	5	4	86	26
Lithuania	3	50	20	56	Korea, Rep.	15	87	43	34
Romania	25	43	16	18	Belarus	21	79	44	74
Venezuela, RB	37	44	2	70	South Africa	63	71	59	53
Colombia	28	10	15	35	Argentina	13	68	67	52
Panama	39	20	22	32	Timor-Leste	48	88	57	-
Ecuador	54	29	17	46	Serbia	41	53	61	55
Armenia	12	60	27	11	Azerbaijan	42	73	50	76
Lao PDR	75	8	3	65	Ethiopia	68	11	38	73
Zimbabwe	57	33	10	3	Sierra Leone	88	19	49	-
Nicaragua	24	18	19	33	Mauritius	22	65	72	58
Malaysia	32	69	14	72	Nigeria	64	38	48	57
Bolivia	53	41	7	78	Latvia	47	58	56	4
Botswana	50	57	18	68	Bahrain	26	83	83	85
Senegal	59	46	21	17	Kyrgyz Republic	35	35	65	21
Cambodia	52	27	6	14	Tunisia	9	66	79	67
Ghana	66	32	33	5	Albania	14	21	77	19
Paraguay	4	15	52	1	Mali	84	28	63	7
Thailand	11	59	30	71	Qatar	67	89	84	-
Dominican Republic	31	64	25	63	Liberia	81	1	74	65
Honduras	23	34	32	42	Egypt, Arab Rep.	16	75	70	45
Vietnam	45	37	40	27	Algeria	36	84	73	84
Singapore	1	81	60	83	China	77	72	47	54
Malawi	72	23	23	27	Bosnia and Herzegovina	43	52	75	30
Philippines	38	40	53	25	Uzbekistan	44	70	78	24
Sri Lanka	10	25	45	37	Pakistan	56	47	71	9
Tanzania	85	36	4	82	Ukraine	27	86	69	23
Morocco	60	61	29	29	Mongolia	87	82	39	48
Benin	70	55	12	22	Moldova	33	67	76	75
Congo, Dem. Rep.	76	3	13	51	India	78	48	68	47
Nepal	46	2	28	60	Jordan	34	74	87	77
Burkina Faso	86	54	36	1	Kazakhstan	62	85	80	81
Guinea	83	14	24	50	Lebanon	30	80	85	80
Guatemala	18	24	31	59	Bangladesh	69	42	81	49
Russian Federation	20	77	42	6	Madagascar	89	45	66	61
Georgia	17	17	51	36	Oman	61	76	88	69
Kuwait	65	63	55	85	Angola	80	51	62	64
Jamaica	40	62	46	62	Sudan	71	31	82	38
Uganda	82	22	37	79	Mauritania	79	78	89	41
Indonesia	55	49	35	31					

Environment

1. Overview

Environmental issues, such as climate change, deforestation biodiversity, and contamination, are not any simple agenda that a single country can deal with, since the causes of problems are inter-related globally. For that reason to deal with such issues, individual countries' willful and voluntary efforts to achieve a greater, mutual goal while all participants putting fair and honest efforts are required. Therefore, both OECD and non-OECD countries continuously engage in the discussions about the way they can sustainably consume 'environmental public goods' while supporting each other's involvement, as a name of 'protocol', 'declaration' or 'agreement' more often than any other policy sectors.

In debate about putting more emphasis on economic benefit or consideration for better environment, OECD countries carefully approach such issue with great responsibility, since current environmental status reflects their past action of indiscreet urban development and economic growth. In that sense, Trump's recent decision to withdraw from the Paris climate agreement brought uttering disappointment to many countries' and people who worked together to come to the agreement.

However on a positive note, Habitat III, which is the United Nations Conference on Housing and Sustainable Urban Development, took place in Quito, Ecuador from 17 to 20 October 2016. For this event, as many as 45,000 delegates – including at least 200 city mayors, 140 national delegations, in addition of many world's leading academics, architects and urbanist thinkers –

have gathered to discuss how to make cities more "sustainable, inclusive and resilient". The main discussion issues were such as greenhouse gas reduction, energy consumption management, and urban resilience in response to climate change.

Overall Results

Environment sector index are structured as following: Inputs are the condition of current environmental, such as existing natural resources and forest area. Throughputs are government's policy or action. And finally, output is the measure of polluted natural resources and outcome is the environment. of Sub-groups designated similarly as that of the OECD countries' and indexes are grouped by (1) Environment Behavior, (2) Environmental Health (3) Resource Protection and (4) Renewable Energy. For Non-OECD countries, natural resource was highlighted instead of resource protection, since the natural resource itself is directly connected to their economy. Non-OECD sub groups are (1) Air and Water Quality, (2) Environment Behavior, (3) Natural Resources and (4) Renewable Energy.

Overall, Non-OECD countries with high government competitiveness in the environment sector are Peru(0.6797), Bulgaria(0.6791), and Costa Rica(0.6534). The high competitiveness of these countries is due to their high 'throughput' capability and this signifies the importance of government's action in order to enhance the competitiveness, especially in the environmental policy area. Moreover, governments of non-OECD countries tend to perceive environment as

tourism resources or tool for economic growth, rather than something important that the country has responsibility to protect. Similarly even in the cases that government acknowledges the significance of protecting the environment and natural resources, low environmental consciousness of individuals' can make the way of reducing environmental pollution extremely challenging.

2. Issues and Policy Implications

Peru: Active Government's Action to Tackle Climate Change

Despite the fact that Peru is one of the fastest growing economies in Latin America, it faces long-term challenges such as a chronic underdevelopment of rural areas (IMF, 2016). Over the past decade, Peru's economic policies based on solid macroeconomic and responsible management have somewhat overcome the crisis of recession by introducing skilled technical bureaucrats. Especially in managing environment recently, Peru has appeared as one of the Latin America's most proactive countries where government progressively supports to tackle the issues of forestry, energy, and waste sectors. Last year, Peru was the 3rd in GC environment ranking (2016), but this year Peru ranked 1st in this policy area. Particularly, Peru showed high score in the 'throughput' which is the effort reflection of long-term master plan called "Plan Nacional de Acción Ambienta; PLANAA" (National Environmental Action Plan 2011-2021).

Since the creation of Ministry of Environment in 2008, various ambitious actions and policies were developed and implemented for both, the country and local environmental management. Peru's inherited geographically diversified environment, including Andes Mountain, Amazon and Pacific Ocean, has been the core resource for agriculture, economy, tourism and environmental sustainability, which directly link to the country's long term development plan.; Peru's 2016 political

agenda and abundance of environment policies reflect this plan.

Peru's air pollution was becoming increasingly problematic not only in Lima, but also in cities such as Arequipa and Trujillo. The result for this severe air pollution is caused by the sudden increase in number of old model of vehicles. However, this is not a special phenomenon in a capital city. Like many other cities such as La Oroya, Cerro de Pasco, Ilo, Lima similarly experience the same issue.

Among many environmental problems, Peru's current urbanization has brought up the waste collection and transportation as the major issues that require urgent attention. Lack of waste sanitation landfill and waste collection facilities are other causes which requires government's action. Waste collection is not only a significant matter of keeping the hygiene level, but also an economic factor that can greatly influence the tourism industry.

The absence of environmental consciousness from individual citizen, such as carelessly throwing trash anywhere, is a more serious environmental problem in rural areas. Compared to other non-OECD countries, Peru has the long history of 'PAM (The Peruvian agro-ecological movement)'. The agro-ecological movement in Peru has defined its approach for over 30 years, in permanent motion, growth, and evolution. It has reconnected with traditional knowledge, small farmers, and rediscovered valuable plants and animals for the entire world. Yet, it has also encountered poverty and malnutrition, and identified the need to suggest an alternative agricultural model to the one taught in universities and experimental stations until now. This became a strong foundation for Peruvian's behavior towards environment and eventually gave them the honor of ranking the first in environment.

Zambia: Restoring Effort to Transform Polluted Environment as an Asset

Zambia was independent from Britain in 1964 and changed from socialism to capitalism in 1991.

Although the country contains about 70 different ethnic groups with different cultural characteristics, conflicts among other ethnic groups are very rare. Political stability is one of the Zambia's key characteristics. Unlike other African countries, they have not suffered great civil war. However, the long civil war in Congo and Angola affected Zambia, which has formed a refugee camp with a population of 250,000 in the border area (Taylor, 2006). Additionally, Zambia has one of the world's fastest growing populations with the UN projecting that its population of 13 million will triple by 2050.

Zambia's economy is divided into a mixed economic system in which the public sector and the private sector co-exist. However, the whole country's economy is heavily depended on the private copper production as Africa's second largest copper producer after the DR Congo.

Restoring Mining City Case: Kabwe

Kabwe is central to Zambia, approximately 130km north of the capital, Lusaka. During the 1960s and 1970s Zambia was considered as the largest copper producer in the non-OECD countries and the third largest in the world. During the expanding period from 1904 to 1994, it was Southern Africa's main lead-zinc producer, principally from the Kabwe Zinc and Lead mine. For 88 years of endless operation until the final closure in 1994, Kabwe was regarded as one of the famous mines in Africa. However, past activities at the Kabwe mine have left widespread pollution of the local area, including waterways which eventually lead to the notorious title as "The world's most toxic town". In order to tackle this issue, the Zambian government and the World Bank jointly launched the "ZMERIP- Zambia -Mining and Environmental and Improvement Project (MMMD, 2017)," with \$65.5 million.

Government agency such as the Zambia Mine Safety Bureau, Kabwe City Council and Zambia Environmental Management Agency (ZEMA) actively co-operated with the project and focused on reducing environmental risks through appropriate interventions. Mining Minister of

Zambia already stated that the project will be a new core business of the health sector and that the funds provided by the World Bank will be used to improve the sanitation of mining cities. GC score also reflects this situation that Zambia showed high inputs (0.886), although the levels of pollutions are extremely high compared to the standard.

E-waste and Government Authorities

Through Zambia Environmental Management Agency (ZEMA), government has taken a big step in order to prevent e-waste from being imported to the country for disposal. The ZEMA has stationed officers at all border checkpoints of the country as an attempt to prevent electronic waste from being brought into the country. On 29 April 2016. Zambia Information Communications Technology Authority (ZICTA) signed a Memorandum of Understanding (MoU) with ZEMA. The MoU was established in order for the both parties to collaborate and interact with each other with respect to the effective management of the new and rapidly growing stream of electrical and electronic waste and to enable a sustainable environment insofar as it relates to ICTs.

The scope of the ZICTA-ZEMA MoU is outlined below:

- Developing and monitoring of standards and guidelines for environmentally sound management and disposal of electronic waste in order to avoid duplication of efforts and to also maximize benefits on the use of limited resources
- Developing standards and mechanisms to promote green ICTs, energy efficiency and environmental sustainability
- Protecting human health and the environment which shall be achieved by recognizing the mandate given to the Authority by the ICT Act to establish and publish technical standards relating to all electronic communications equipment and to perform type approval of all ICT equipment to be used in Zambia based on these standards.

Governance: Rankings of 2016-2017

Country	2017	2016	Change	Country	2017	2016	Change	Country	2017	2016	Change
Uruguay	1	1	0	Ecuador	31	40	9	Liberia	61	67	6
Singapore	2	8	6	Bolivia	32	32	0	Sierra Leone	62	72	10
Costa Rica	3	3	0	Tanzania	33	33	0	Jordan	63	69	6
Mauritius	4	6	2	Tunisia	34	36	2	Kenya	64	63	-1
Korea, Rep.	5	2	-3	Benin	35	26	-9	Mali	65	55	-10
Latvia	6	16	10	Thailand	36	30	-6	China	66	71	5
Argentina	7	5	-2	Belarus	37	52	15	Venezuela, RB	67	54	-13
Lithuania	8	11	3	Albania	38	41	3	Russian Federation	68	56	-12
Botswana	9	4	-5	Kuwait	39	20	-19	Mozambique	69	46	-23
Romania	10	18	8	India	40	37	-3	Cambodia	70	68	-2
South Africa	11	7	-4	Rwanda	41	53	12	Morocco	71	73	2
Bulgaria	12	14	2	Bosnia and Herzegovina	42	48	6	Angola	72	66	-6
Panama	13	10	-3	Ukraine	43	42	-1	Mauritania	73	75	2
Croatia	14	9	-5	Zambia	44	45	1	Nigeria	74	76	2
Brazil	15	13	-2	Vietnam	45	43	-2	Bangladesh	75	70	-5
Timor-Leste	16	17	1	El Salvador	46	31	-15	Algeria	76	74	-2
Paraguay	17	35	18	Nepal	47	38	-9	Cameroon	77	78	1
Jamaica	18	12	-6	Sri Lanka	48	49	1	Lao PDR	78	81	3
Malaysia	19	19	0	Moldova	49	57	8	Armenia	79	80	1
Ghana	20	15	-5	Malawi	50	50	0	Azerbaijan	80	77	-3
Mongolia	21	23	2	Guatemala	51	44	-7	Uzbekistan	81	82	1
Peru	22	29	7	Madagascar	52	62	10	Lebanon	82	79	-3
Georgia	23	39	16	Burkina Faso	53	47	-6	Ethiopia	83	83	0
Colombia	24	34	10	Kazakhstan	54	61	7	Egypt, Arab Rep.	84	85	1
Dominican Republic	25	27	2	Oman	55	51	-4	Pakistan	85	86	1
Indonesia	26	25	-1	Uganda	56	59	3	Guinea	86	88	2
Qatar	27	28	1	Nicaragua	57	58	1	Zimbabwe	87	87	0
Serbia	28	24	-4	Honduras	58	64	6	Congo, Dem. Rep.	88	84	-4
Philippines	29	22	-7	Kyrgyz Republic	59	60	1	Sudan	89	89	0
Senegal	30	21	-9	Bahrain	60	65	5				

Governance: Rankings by Subgroup

Country	Democracy (Gov't Competency	Rule of Law	Country	Democracy (Gov't Competenc	y Rule of Law	Country	Democracy C	Gov't Competend	Rule of Law
Uruguay	1	2	3	Ecuador	51	26	37	Liberia	19	77	74
Singapore	45	1	2	Bolivia	36	24	54	Sierra Leone	43	60	56
Costa Rica	2	4	6	Tanzania	28	63	48	Jordan	73	57	32
Mauritius	5	7	5	Tunisia	30	61	35	Kenya	47	73	78
Korea, Rep.	13	12	4	Benin	50	47	69	Mali	37	83	55
Latvia	3	10	8	Thailand	59	18	47	China	89	20	44
Argentina	11	15	9	Belarus	69	37	22	Venezuela, RB	63	43	67
Lithuania	6	13	1	Albania	33	67	19	Russian Federation	75	48	42
Botswana	9	17	20	Kuwait	76	16	14	Mozambique	56	72	66
Romania	17	8	11	India	22	62	65	Cambodia	72	36	71
South Africa	4	30	26	Rwanda	66	50	73	Morocco	64	68	57
Bulgaria	15	11	12	Bosnia and Herzegovina	49	75	16	Angola	60	65	75
Panama	10	9	17	Ukraine	34	82	30	Mauritania	61	84	84
Croatia	24	19	10	Zambia	44	41	59	Nigeria	58	74	72
Brazil	23	6	15	Vietnam	78	33	18	Bangladesh	65	64	81
Timor-Leste	7	76	82	El Salvador	57	45	38	Algeria	62	70	33
Paraguay	31	22	58	Nepal	41	49	70	Cameroon	67	66	79
Jamaica	8	38	13	Sri Lanka	38	53	40	Lao PDR	88	34	63
Malaysia	55	5	21	Moldova	32	59	36	Armenia	70	79	51
Ghana	14	42	25	Malawi	35	54	61	Azerbaijan	84	51	45
Mongolia	21	32	24	Guatemala	52	28	50	Uzbekistan	86	35	68
Peru	26	23	29	Madagascar	54	58	60	Lebanon	48	87	62
Georgia	29	52	28	Burkina Faso	53	55	52	Ethiopia	79	80	86
Colombia	25	25	34	Kazakhstan	77	21	41	Egypt, Arab Rep.	85	81	77
Dominican Republic	18	31	27	Oman	87	14	23	Pakistan	71	88	83
Indonesia	20	29	49	Uganda	42	71	80	Guinea	68	78	88
Qatar	82	3	7	Nicaragua	46	44	64	Zimbabwe	80	85	85
Serbia	27	40	31	Honduras	40	46	76	Congo, Dem. Rep.	81	86	89
Philippines	16	39	46	Kyrgyz Republic	39	69	53	Sudan	74	89	87
Senegal	12	56	43	Bahrain	83	27	39				

Governance

1. Overview

The very definition of "Governance" can be defined as the summation of processes of governing which is undertaken by an official stateentity, i.e., government, over the legitimate jurisdiction of territory. The "Governance portion" of the Government Competitiveness Score 2017 mostly addresses the activities of governments around the world, specifically those of the 35 OECD member-states and 89 non-OECD countries. Research methodologies for the GC Governance Index are largely consistent with those from the previous reports: raw data were collected from a wide array of sources that consists of policy papers and statistics from non-governmental several organizations, intelligence agencies and international organizations, e.g., World Bank, CIA, Gallup Polls, EIU, etc. The collected data were then divided into three sub-groups: (1) Democracy, (2) Government Competency, and (3) Rule of Law, each belonging to the following dimensions of analysis: (a) input (b) throughput (c) output and (d) outcome. Following the series of in-depth discussions among the research participants, the team added Quality of Nationality Index both OECD member-states and non-OECD nations and World Happiness Index variables for non-OECD countries while excluding the following variables: (1) cash surplus/deficit (2) central government debt (3) cyclically adjusted primary balance and (4) tax revenues. Specifically, through adding the two aforementioned variables, this year's GC report attempts to provide a more accurate depiction of the recent scholarly debates on happiness, well-being and quality of passport, i.e., visa exemption agreements and immigration

receptivity, in gauging the countries' overall value of governance capabilities. In sum, total 25 indices were collected and analyzed for OECD member-states, while separate sets of 28 inputs were utilized for addressing the governance competitiveness of non-OECD nations.

First, the analysis-results for the OECD memberstates indicate that Scandinavian countries in the Northern European region were among the top in terms of overall governance competitiveness, showing a strong degree of year-to-year consistency. Among the top 10 rankings, 5 countries were Northern European nations (Denmark as the 1st, Norway the 2nd, Sweden and Finland as 3rd and 4th, respectively, and Iceland being the 6th). In the "bottom-five" ranking exists countries with "relatively" low level of economic development within the OECD, which can also be categorized as newly industrialized economies such as Chile(30th), Hungary(31st), Greece(32nd) and Mexico and Turkey (33rd and 34th, respectively). Including Poland (27th) and Slovak Republic (28th), geographical concentration of these countries was identified as being mainly located in Eastern Europe and Latin America. Categorized as the continents of late-economic developments, it seems that such labeling also includes implications of relative underdevelopment of governance capabilities in terms of OECD grouping.

Specific data on each sub-section yields a consistent pattern throughout the OECD member-states. For instance, the Scandinavian countries have demonstrated high performance in all of the three policy sub-sectors, indicating tightly interwoven mutual relationship among democracy, government competence and the rule-of-law.

None of the four Scandinavian nations (i.e., Sweden, Norway, Finland and Denmark) scored lower than 10th position in the detailed comparative analysis of policy sub-sectors. On the contrary, the East European and Latin American countries have generally performed poorly on all of the sub-sectors. For example, Turkey was ranked as 34th out of 34 countries in democracy and government competence sectors, while scoring 33rd in the rule-of-law. One noticeable exception is Estonia. The country has demonstrated rather mediocre performances in democracy (22nd), yet showing relatively high standards in government competency (6th) and the rule-of-law (10th). The GC team attributes such imbalance to the role of digitalized egovernment in Estonia, as its superb ICT infrastructure and the government's high fidelity and reliability of digitally provided public services have contributed to its overall rankings.

Second, the analysis on non-OECD states revealed a clear bifurcating trend upon the economic development on the performance of each country, as a high correlation exists between the aiven country's overall economic development level and its governance capabilities. Singapore, Qatar, Costa Rica and Uruguay were among the top-four in the non-OECD grouping, while Guinea, Zimbabwe, Democratic Republic of Sudan were those underperformed than most of the countries on the list. Accordingly, most of the countries with low scores on governance competitiveness are concentrated in Sub-Saharan Africa (except for Mauritius and Botswana, the two African successsimultaneous modernization economic and political sectors). The result matches with the extant social science literatures, i.e., Modernization Theory, that emphasized the existence of a significant positive correlation between a country's economic development and the maturity of political/governmental sectors. Exceptions are People's Republic of China and Russia. Their recent acceleration on economic growth notwithstanding, the two countries' governance competitiveness scores remained

relatively low (66th and 68th, respectively). While both countries scored poorly on democracy subsection (China is an authoritarian state which lacks participatory democracy, and Russia is an illiberal democracy that closely resembles the features of autocracy), the GC report 2017 posits that the widespread variances in the standards of living and rule-of-law status within the countries' geographical regions might have contributed to the present result.

Unlike its wealthier counterparts, the non-OECD group did not show a coherent, uniform alignment among its sub-categories, as the level of democracy did not match with the degree of government competency and the rule-of- law. One noticeable example is Singapore, which was ranked as 1st and 2nd in government competency and rule-of-law, respectively, while performing poorly on the democracy section (45th). This is because Singapore is an archetypal example of developmental-state authoritarian with persistence of one-party rule and limited political freedom for its citizens. Similar patterns also appear in Qatar, a quintessential resource-rich despotic monarchy in the Middle East. The Kingdom of Qatar performed fairly well in government competency (3rd) and the rule-of-law (7th), while yielding 82nd in terms of performance in democracy. Opposite direction was also observed through the case of East Timor, a relatively newborn country in Southeast Asia. East Timor scored 7th in democracy, while yielding severe discrepancies in government competency (76th) and the rule-of-law (82nd).

2. Issues and Policy Implications

Botswana: An African Success Story

Botswana, widely known as the one of few success stories of the African Continent, is a vibrant middle-income country with a multi-party democratic system in its full-function. Botswana gained independence from Britain in 1966, in Huntingtonian marking its place the nomenclature of the Second Wave Democratization (Huntington 1991). The country is known for its large volumes of diamond reserves (diamond mining accounts for approximately one-quarter of the national GDP and 85% of export earnings) and a strong tradition of stable representative democracy. Accordingly, Transparency International has rated Botswana as the best perceived corruption ranking in Africa for the last four years (Transparency International 2016).

In Government Competitiveness Report 2017, Botswana's governance competitiveness was ranked 9th overall in terms of non-OECD countries, 9th in democracy, and 17th in government competency, and 20th in the rule-of-law indices. Specifically, it was analyzed that the country boasts its strength in right to petition the government and public participation, press freedom, stability of democratic institutions and electoral process and pluralism. Acknowledging that building strong and sustainable democracy depends on the existence of strong and effective political parties, the GC team posits that political parties in Botswana have indeed played a crucial role in bringing together diverse interests and providing alternative policy proposals from which voters can make an informed choice at the time of elections. Given that Botswana's economy is heavily focused in the mining sector (e.g., diamonds, gold, copper, nickel and soda ash), the multi-party presence of democracy significantly contributed towards maintaining a systemic wealth investment by the central government, thereby effectively avoiding the Dutch Disease which are prevalent among other mineral rich economies in the Third World.

Three of the most prevalent problems in the governance of Botswana lie in (1) its public health status on the proportion of population who are suffering under the HIV/AIDS and cervical cancer, (2) gender inequality in politics and (3) the so-called "brain drain" issue. Regarding the first issue, the results from GC Report 2017 indicates that Botswana performed poorly on the overall life satisfaction (i.e., Happiness Score; 3.766) of its citizens. When compared with Thailand and Mauritius which yield similar numbers of PPP-

adjusted GDP per capita (\$16,800 for Thailand, \$20,500 for Mauritius), Botswana's mediocre performance on individual happiness is more striking, as these two countries have fared quite well in terms of life satisfaction levels (6.424 for Thailand and 5.629 for Mauritius). The Botswana case for women's health crisis has received much attention from the international community, and it was widely known that the former U.S. President George W. Bush has donated \$6.8 million towards the public health infrastructure in the nation (Harris 2017).

Secondly, gender inequality in Botswana is one of the recurring criticisms against the government of Botswana. For instance, during the second Universal Periodic Review (UPR) of the United Nations member-states, the panelists pointed out that three out of four women in Botswana are subject to gender-based violence. Accordingly, the GC Report 2017 indicates that there exists a significant gap between the proportion of women in the overall labor force (73.52%) and the percentage of women in the Parliament (9.5%). This can be interpreted as an evidence of glass ceiling along the gender line in the nation's public sector, as women's election to the legislative body remains deeply unlikely while increasing number of females are joining the nation's workforce.

Third, Botswana has yielded positive values for both Human Flight (5.5) and Net Migration Rate (3) indices. This indicates that the demographic trends in Botswana are showing a sharp bifurcation along the departure of intellectuals and those in the upper echelon of the socioeconomic ladder, while continuously experiencing a net inflow of low-skilled migrants from the neighboring states. Botswana is a landlocked nation which borders Namibia to the west, Zimbabwe to the east, and South Africa towards its southern direction. Among its neighbors, Botswana is in conflict with Zimbabwe, specifically with regards to the unrelenting flow of illegal immigrants across its borderlines. Zimbabweans are the most numerous nationalities among both the registered and unregistered aliens in Botswana, and most of the migrants are concentrated in agriculture and

mining industry, working as unskilled, manual laborers (Betz and Kaytaz 2009). Such issues have produced ongoing tensions between the two nations, which have been recently exacerbated by the Botswana's unilateral decision to construct a line of electric fence along the borderline, and deport illegal Zimbabwean migrants back to their country.

Mongolia: Populism Strikes Back

Amidst the fall of communism during the late twentieth-century, Mongolia gained its reputation as a success story in engendering a smooth transitioning from communist dictatorship to a multi-party democracy. A landlocked nation in East Asia, Mongolia boasts its rich history and tradition of the nomadic warriors who once built one of the largest empires in the history of mankind. The year of 2017 marks one of the significant milestones of the modern history of Mongolia, as the nation went through a presidential election that was largely known as the most heated and contested one since the establishment of democratic electoral system in Mongolia. While the nation of three million had been often referred as an oasis of democratic stability in the region, its politics have grown increasingly fractious amid a persistent economic crisis and corruption scandals within the ruling class (The Associated Press 2017). The nation has recently shown specific characteristics associated with economies with disproportionate emphasis on natural minerals as their primary source of income - fluctuation of growth rates. This issue is especially keen on the fact that foreign investment in Mongolia has slumped in recent years as the international price of metals decreased. As a result, Mongolian economy has generated just 1 percent growth rate in 2016, a stark contrast from 2011 when it showed a surprisingly robust growth rate of 17.3 percent. In terms of the overall GC score on the governance sub-sections, Mongolia scored 21st on democracy, 32nd on government competency and 24th on the rule-of-law.

Reviewing the GC-governance data results for Mongolia, it was analyzed that the nation has been experiencing "balkanization" of its social fabric along its political factions. For instance, the nation performed poorly on Right to petition the government and public participation variables, which measures the degree or intensity of illiberal elections and corruption in political competition and democratic receptivity of the government bodies. During the electoral cycle leading up to the Presidential inauguration of Khatmaa Battulga, the ex-Judo player, numerous incidents of voting fraud and incendiary remarks - especially those regarding signs of organized political movements of the police and military - were reported throughout the country. Both parties - the incumbent Mongolian People's Party (MPP) and the opposing Democratic Party (DP) - have engaged in overheated debates. Mr. Battulga's campaign closely resembled that of President Donald Trump of the United States, in a sense that one constant theme throughout the Mongolian candidate's road to the victory was a repeated emphasis on "Mongolia First" rhetoric and its strong favor towards gaining more returns from the country's mineral reserves.

The establishment of Mongolia's procedural democracy notwithstanding, additional emphasis is warranted on the human rights issues. Persistent human rights violation is often described as the "heritage from the old totalitarian regime" which continuously incurs negative influence on the consolidation of democratic principles throughout the day-to-day interaction between the government apparatus and the citizens. The 2010 Human Rights Report of the U.S. Department of State posits that Mongolia's human rights problems are concentrated in the police and security sectors, e.g., abuse of prisoners by police, uneven law enforcement, poor prison conditions, arbitrary arrests, judicial corruption and domestic violence, while multiple reports on discrimination case on the basis of socio-ethnic origins were received (US State Department 2010).

Women's participation in labor force and their

representation in the legislature yield a discrete trend. Mongolia's proportion of seats held by women in its parliament was recorded as 17.1% in 2017, while scoring 56.6 percent on the labor participation rate. The former statistics between 1990 and 2017 show a U-shaped curve, which indicate that women's social participation remained guite high during the latter periods of the communist regime, went through a steep decline as the nation was transforming itself into a capitalist democracy, and subsequently undergoing a rebound in the 2010s. For instance, 24.9 percent of the Mongolian parliamentary seats were filled with women in 1990, which was followed by a steep decline towards 3.9 percent in 2009. However, the labor force participation rate of women has remained largely unchanged between 1990 (52.5%) and 2017 (56.7%). This can be attributed to the effects of political transformation from communism that stresses gender equality towards capitalist democracy. Notwithstanding the changes in the political realm, i.e., the Parliament, the actual labor participation rate of women in Mongolia remained unchanged despite the ongoing transitions throughout the late twentieth- and the early twenty-first centuries. This results from Mongolia's heavy emphasis on the economic sectors of herding, in which both genders have traditionally taken equally active roles in producing.

Romania: Isomorphism towards the West - Fighting the Corruption's Tentacles

Romania, once a member of the Soviet Union-led Eastern-bloc throughout the latter half of the twentieth century, has shown a consistent trend of upward trajectory in government competitiveness throughout the recent two decades. For instance, its ranking has increased from being 24th in 2015 and 15th in 2016, and the country has finally entered the top-10 list among the 89 non-OECD nations in 2017 (2017 GC ranking: 9th). Ranked 10th, Romania's competitiveness in governance also dimension has shown a matching improvement with the overall trend. Located in the Southeastern portion of the European Continent,

Romania has strived for achieving a more fully consolidated democracy throughout its political system, while increasingly vying for friendship with the West, noticeably the United States. This is due to Romania's geographical location, which borders Ukraine to the East, and its proximity to the Russian Federation. Since 2000, Romania has joined the NATO - the North Atlantic Treaty Organization - and even allowed American military presence, including the controversial missile defense equipment, in its territories. The country also gained membership to the European Union in 2007, thereby further enhancing both bilateral ties with the United States and multilateral partnership with counterparts in the Western Europe.

One of Romania's challenges to its governance competitiveness has been the chronic presence of political corruption, specifically within the public sector. For instance, the Romanian National Assembly has attempted to adopt an emergency law in late-January of 2017 that would make official misconduct punishable by prison-time only in cases in which the financial damage is greater approximately \$47,000. Given corruption is a deeply entrenched problem throughout the Romanian society, the decree would have directly benefited politicians and its local machines which tend to often engage in unlawful financial transactions. In this context, the civil society in Romania has engaged in an unprecedented series of anti-government protests, drawing around 500,000 citizens in total. Romania's total population is little less than 20 million. Facing such uproars, the government backed down, and the Romanians were able to accomplish a significant political victory against the endemic corruption problem of the state. In May 2017, anti-corruption campaigners in Romania continued its struggle to hold public officials accountable, finally gaining two important milestones in the modern history of the nation. First, Romania's Senate has agreed to withdraw amendments to a bill that would have pardoned officials imprisoned for bribery offenses. Secondly, the Constitutional Court of Romania has upheld a

law on prohibiting those with criminal convictions from serving ministerial posts in the government. The series of conflicts between the civil society and the government, although turned violent in some incidents, symbolizes the continuing development of Romania's political capital, and the capacity of its civil society to generate momentum of social reform from the below. While political corruption remains an entrenched problem, Romania's state prosecutors are also striving for making progress in holding corrupted officials accountable in recent years. One of the youngest democracies in Europe (albeit categorized as "flawed" by 2016 Democracy Index), Romania's political culture seems to be undergoing a significant change towards a positive direction.

Acknowledging its transition from an authoritarian regime under Nicolae Ceausescu towards a young democracy, the GC 2017 hereby provides a few areas of potential improvement. First, while the street protests were remarkable themselves, political establishment must react in a swift manner in eradicating poverty throughout the nation. Many citizens consider their government's reform measures as weak and ineffective. Secondly, the Romanian government ought to increase its efforts in ensuring human rights of the citizenry. For instance, multiple reports point towards Romania's unfavorable performance-results in police brutality, prison conditions and human trafficking. In this sense, more resources should be placed upon relevant agencies in implementing more effective strategies and policies towards such problems, while increasing its openness and coordination with international agencies and watchdogs.

COSTA RICA: Nation of Peace, Stability and Democracy

Located in Central America, Costa Rica is a vibrant democracy with approximately 5 million populations. The country is known for its long history of stable democracy throughout the past 200 years, while boasting its strength in human rights and environment-friendly policies. Costa

Rica depends approximately 90 percent of its electricity production on renewable energies, such as wind, geothermal generators and hydroelectric power plants. Costa Rica is also a permanent neutral country, and the nation even does not own a formal military. The country has consistently allocated significant amount of governmental resources and efforts upon developing human resources through education and social welfare. For instance, Costa Rica operates universal healthcare system with strong social safety nets. Scholars point that the concentration of governmental resources and efforts on designing a well-functioning social system was made possible through minimizing its expenditures on military. When compared with its counterparts in the region, public safety is also a policy area which the country has its strength. For instance, the homicide rate (in 100,000 people) was recorded as 8.5, the lowest in the Latin American countries. However, it must also be noted that the rate is greater than world's average, 6.2 per every 100,000 people. In addition to the numbers, Costa Rica is facing exogenous effects of international drug trade, e.g., cocaine and heroin, along the North-South axis throughout the Latin American region. In this context, the government of Costa Rica ought to better devise a long-term strategic plan to fight against the threat of illegal trade of narcotics, as it can grow into a major public health and safety crisis if left unaddressed.

The aforementioned facts are well-reflected in the Government Competitiveness ranking 2017. Looking at the overall score, Costa Rica was ranked in the 4th place among the 89 non-OECD nations, and it has shown superior performance in governance (3rd), environment (3rd), and education (6th), in particular. Its relative weaknesses were concentrated in the areas of agriculture and food (14th), infrastructure (20th), and ICT (14th). Yet, it should be recalled that the country did not score below 20th in any of the sub-dimensions of government competitiveness.

One particular policy prescription for Costa Rica would be to improve and enhance its capabilities

in national-level infrastructure. Located in between the equator and the Tropic of Cancer, Costa Rica and its geographical condition is not well-suited for ensuring efficient infrastructures in traffic. Specifically, the country is experiencing hardship in enhancing its transportation network throughout its northern region, along the borderline with Nicaragua. At least part of this problem originates from the fact that over 70 percent of Costa Rica's territories are covered with protected rainforests and national reserves. In order to enhance its national prowess in economic power, Costa Rican government is currently pursuing a set of policies towards diversifying its main economic outputs from agricultural and light manufacturing towards innovation-driven ICT industries. Considering the fact that infrastructure on telecommunication, transportation and port facilities are critical for ensuring stable background for sustainable development, the dilemma between environmental conservatism and economic development will be one of the most critical debates which the Costa Rican government will get to face within the upcoming days.

Health & Welfare: Rankings of 2016-2017

Country	2017	2016	Change	Country	2017	2016	Change	Country	2017	2016	Change
Korea, Rep.	1	1	0	Panama	31	27	-4	Sudan	61	79	18
Uruguay	2	3	1	Oman	32	8	-24	Ghana	62	62	0
Uzbekistan	3	24	21	Croatia	33	5	-28	Ethiopia	63	71	8
Belarus	4	9	5	Malaysia	34	12	-22	Malawi	64	69	5
Kazakhstan	5	28	23	Mongolia	35	52	17	Kenya	65	67	2
Algeria	6	20	14	Colombia	36	35	-1	India	66	68	2
Brazil	7	30	23	Egypt, Arab Rep.	37	42	5	Burkina Faso	67	74	7
Russian Federation	8	33	25	Ecuador	38	41	3	Mauritania	68	70	2
Mauritius	9	11	2	Latvia	39	25	-14	Indonesia	69	56	-13
Costa Rica	10	7	-3	El Salvador	40	45	5	Philippines	70	53	-17
Tunisia	11	19	8	Paraguay	41	36	-5	Botswana	71	57	-14
Kyrgyz Republic	12	34	22	Sri Lanka	42	50	8	Benin	72	77	5
Venezuela, RB	13	21	8	Bolivia	43	54	11	Cameroon	73	72	-1
Nicaragua	14	44	30	Georgia	44	47	3	Uganda	74	78	4
Serbia	15	15	0	Nepal	45	60	15	Zimbabwe	75	75	0
Jordan	16	13	-3	Peru	46	46	0	Congo, Dem. Rep.	76	85	9
Albania	17	16	-1	Lebanon	47	39	-8	Mali	77	81	4
Argentina	18	18	0	Romania	48	14	-34	Lao PDR	78	66	-12
Bosnia and Herzegovina	19	26	7	Thailand	49	22	-27	South Africa	79	64	-15
Lithuania	20	23	3	Honduras	50	51	1	Sierra Leone	80	87	7
Moldova	21	43	22	Rwanda	51	55	4	Guinea	81	82	1
Bulgaria	22	10	-12	Bahrain	52	17	-35	Pakistan	82	76	-6
Azerbaijan	23	37	14	Guatemala	53	63	10	Liberia	83	86	3
Morocco	24	49	25	Senegal	54	59	5	Zambia	84	80	-4
Qatar	25	2	-23	Jamaica	55	38	-17	Madagascar	85	84	-1
China	26	31	5	Dominican Republic	56	48	-8	Mozambique	86	89	3
Armenia	27	29	2	Bangladesh	57	58	1	Nigeria	87	83	-4
Singapore	28	4	-24	Ukraine	58	40	-18	Timor-Leste	88	65	-23
Kuwait	29	6	-23	Tanzania	59	73	14	Angola	89	88	-1
Vietnam	30	32	2	Cambodia	60	61	1				

Health & Welfare: Rankings by Subgroup

Country	Child Welfare	Disease management	Health & Welfare System	Life and Death	Country	Child Welfare	Disease management	Health & Welfare System	Life and Death
Korea, Rep.	3	26	3	62	Peru	41	36	47	31
Uruguay	21	29	5	71	Lebanon	1	60	40	16
Uzbekistan	30	9	14	52	Romania	29	53	17	80
Belarus	7	6	1	77	Thailand	32	30	52	53
Kazakhstan	23	8	9	73	Honduras	51	39	60	2
Algeria	26	19	18	36	Rwanda	73	23	61	8
Brazil	9	28	19	46	Bahrain	-	56	35	26
Russian Federation	4	40	2	83	Guatemala	66	35	59	11
Mauritius	1	4	15	63	Senegal	44	54	71	1
Costa Rica	6	20	27	18	Jamaica	14	73	58	34
Tunisia	15	3	31	30	Dominican Republic	28	45	64	45
Kyrgyz Republic	22	21	24	17	Bangladesh	72	41	66	3
Venezuela, RB	20	38	25	47	Ukraine	5	87	6	81
Nicaragua	45	10	43	4	Tanzania	76	48	67	12
Serbia	10	49	7	79	Cambodia	62	62	65	6
Jordan	12	14	36	21	Sudan	82	43	72	20
Albania	47	7	21	48	Ghana	38	50	70	67
Argentina	13	57	16	72	Ethiopia	78	65	56	5
Bosnia and Herzegovina	16	63	11	61	Malawi	68	66	69	13
Lithuania	-	37	4	86	Kenya	53	70	62	42
Moldova	18	51	12	69	India	80	67	42	44
Bulgaria	17	33	8	84	Burkina Faso	70	42	88	25
Azerbaijan	43	15	22	64	Mauritania	50	74	76	49
Morocco	25	13	55	10	Indonesia	58	77	48	54
Qatar	-	11	30	28	Philippines	60	72	54	51
China	24	2	38	35	Botswana	59	81	53	74
Armenia	34	24	26	60	Benin	55	61	81	65
Singapore	11	32	23	66	Cameroon	52	69	68	76
Kuwait	8	5	44	27	Uganda	65	75	73	39
Vietnam	48	17	46	15	Zimbabwe	64	79	74	59
Panama	35	55	29	38	Congo, Dem. Rep.	79	64	82	55
Oman	31	1	49	19	Mali	63	71	87	68
Croatia	-	46	10	78	Lao PDR	75	58	84	40
Malaysia	39	31	33	41	South Africa	40	89	28	85
Mongolia	36	47	20	58	Sierra Leone	74	68	77	82
Colombia	27	34	41	29	Guinea	61	84	83	37
Egypt, Arab Rep.	37	25	45	32	Pakistan	77	78	78	43
Ecuador	46	59	32	24	Liberia	69	83	86	14
Latvia	-	22	13	87	Zambia	81	76	75	70
El Salvador	42	18	51	23	Madagascar	84	80	85	9
Paraguay	33	52	39	22	Mozambique	71	82	89	56
Sri Lanka	57	12	34	50	Nigeria	56	86	63	88
Bolivia	49	16	50	57	Timor-Leste	83	85	80	33
Georgia	19	27	37	75	Angola	54	88	79	89
Nepal	67	44	57	7					

Health & Welfare

1. Overview

The health and welfare sector has developed from the idea that the state should protect the dignity of the human being through minimum medical service and material support for basic rights of the people. Historically, health and welfare policies are one of the unique areas of government that cannot be totally left to the private sector. Since health policy refers to the creation of a basic environment for human life, it should not be judged by the market profit.

In health sector, government tries to enhance the status of health by using public health expenditure, number of doctors and nurses, and incidence of disease includina the condition of the environment and resources, This health system means the process such as policy, organization, human and financial system, and health infrastructure that governments provide. Immediate health service outputs are presented as health service availability and quality, information availability and quality, coverage of the population with key health services. Ultimate goal in health sector that government pursue include standards related to mortality, morbidity, disability and well-being.

South Korea, Uruguay, Uzbekistan, Belarus and Kazakhstan are among the top five in the non-OECD group. Madagascar, Mozambique, Nigeria, Timor-Leste and Angola were those that underperformed than most of the countries on the list. Some Middle East and North African countries such as Algeria, Tunisia, Jordan, Morocco, and Qatar were in top quartile.

The overall ranking in health and welfare on non-OECD states revealed a clear distinction by continent and region. Countries in Europe and Central Asia such as Russian Federation, Kyrgyz Republic, Serbia, Albania, Bosnia Herzegovina, and Lithuania ranked relatively high 25th above place. While China(26th), Singapore(28th), Vietnam(30th), Malaysia(34th) and Mongolia(35th) demonstrated above average, India(66th), Indonesia(69th), Philippines(70th), Lao PDR(78th), Pakistan(82nd), and Timor-Leste(88th) under performed. Most sub-Saharan African countries are ranked below 60th place except Mauritius(9th) and Rwanda(51st). Countries in East Asia and Pacific region presented various performance.

The health and welfare area is divided into four sub-groups: (1) Life and Death, (2) Health and Welfare System, (3) Disease management, and (4) Child Welfare each belonging to the following dimensions of analysis: (a) input (b) throughput (c) output and (4) outcome.

Since GC health and welfare area consists of great variety of components, the overall ranking does not necessarily match the ranking of subgroups. Some countries which their overall ranking is in the top ten presented relatively low level of Child Welfare: Uruguay, Uzbekistan, Kazakhstan, and Algeria. Especially, Life and Death presented somewhat different results compared to other three sub-groups. For example, some Sub-Saharan African countries ranked high in Life and Death sub-group. This is attributed to the fact that Life and Death reflect indicators related to suicide rate, which was low in Sub-Saharan African countries. However, experts indicated that the quality of data on suicide rates in Africa and Southeast Asia is often questionable (Patel, V., Saraceno, B., & Kleinman, A., 2006).

Due to the weakness of knowledge on neuropsychiatric disorders in the region, there are cases where the basic human rights are violated in the process of treatment. Therefore, a lower suicide rate in African countries in areas requires more research.

2. Issues and Policy Implications

Community Disease Management of BRAC System in Bangladesh

Overall ranking of Bangladesh in Health and Welfare is 57th. Among sub-groups, Disease management presented relatively high result on the list(41st). In response to the low quality of service by the central government and its inability to reach the entire population, particularly the poor, a vibrant NGO sector has emerged as a third sector of health providers in Bangladesh (Ahmed, S. et al, 2015).

One of the NGOS, BRAC (formerly known as the Bangladesh Rural Development Committee) has been promoting rural economic development since Bangladesh's independence in 1971. Afterwards, the BRAC leadership realized a link between health care and national development, and began to invest in community health delivery systems by training women health workers, who are called as Shasthya Shebikas. Shebikas played a pivotal role in health education; they taught community members how to prepare medicines. BRAC trained Shebikas, supported transportation and medicine, and each shebikas took care of 250-300 households.

In the early 1980s, BRAC staff launched a tuberculosis control program with the Shebikas network; tuberculosis was considered as the most urgent disease to be dealt with in rural Bangladesh at the time. Shebikas regularly visited community members to check tuberculosis and report suspicious cases to the facility to help patients identify the disease and follow treatment. BRAC integrated the program into a government health system, which lent and supported drugs and laboratories in the public sector. BRAC's

tuberculosis program achieved a great success; 87,000 tuberculosis patients were treated in 2006 and with 92% cure rate. In today's tuberculosis control, the BRAC approach (based on a network of trained and payed Shebikas and integrated with public health system) is considered as the most successful and even a legendary case in international health related disease management.

More importantly recent Bangladesh government recognized high levels of out-of-pocket expenditure form a barrier to utilization; a Health Care Financing Strategy (2012–2032) has been developed to provide direction in achieving universal health coverage (Ahmed et al, 2015).

Effective Health Care System, India, Kerala

India has a vast health care system, but there remain many differences in quality between the rural and urban areas and health care services in public and private sectors. The health governance system in India have been divided between the union and the state governments. The Union Ministry of Health and Family Welfare is responsible for implementation of various programs on a national scale in the areas of health and family welfare, prevention and control of major communicable diseases. The state government deals with areas of public health, hospitals, sanitation and so on.

India has a mixed health-care system, including public and private service provider. Most of the private healthcare providers are concentrated in urban India, providing secondary and tertiary care health-care services. The public health-care infrastructure in rural areas has been developed as a three-tier system (sub-center, primary health centers and community health center) based on the population (Chokshi, M. et al, 2016).

National Rural Health Mission (NRHM) program aimed at increased public expenditure on health care, decreased inequity, decentralization and community participation in operationalization of health-care facilities in rural area by raising public spending on health 2-3% of GDP (Sharma, A. K., 2009). Special efforts were made to strengthen

community participation through the formation of health committees at the village level and patient welfare committees at public health-care facilities.

During the period 2005-2013, the total investment by the central government equaled nearly 17 billion USD. National government put much effort in rural health, it still has a long way to go; India's rank in Health and Welfare is 66th in 2017. However, health and welfare system presented ranked relatively higher (42nd) among the subgroups.

One of the remarkable cases is found in the state Kerala, India, where the state government created a robust public health care system. Although private sector health plans have expanded since the mid-1980s, public programs have consolidated the local health system and have undertaken most of health care regulations and training. This approach, along with therapeutic management, focuses on prevention, immunization, and child and maternal care (Thankappan, K. R., 2001).

This Kerala model has accomplished excellent performance with low cost; in 2000, Kerala spent \$28 per person in health care. In 2005, infant mortality rate was 14 per 1,000, which is much small number compared to 91 infant deaths per 1,000 for low-income countries in general. The life expectancy in Kerala was 76 years for women and 70 years for men., This data shows that the Kerala residents are receiving the best health care in the developing countries, with the effort of Kerala 's universal health care plan.

However, the criticism of the Kerala model is the high costs of the social sector. In 1990s, 15% of the state budget was allocated to health. However, the total budget of the provincial government itself is small, and actual amount of budget on health is not significant compared to developed countries. This per-capita expense emphasizes that if a national health system operates efficiently, high performance in health sector is possible with a reasonably small amount of investment. However, ironically, the highest suicide rate is reported in this area among Indian states. This result may be due to the fact that health care capacity has not

been reported before the expansion of health services (Sen, A., 2002). As mentioned in the preceding discussion, the quality of health data is still very limited. Thus it needs to be supplemented to analyze longitudinal effect. Nevertheless, the Kerala case illustrates the benefits of a robust public sector health system.

Romania: Government Lead Health Care System

Although overall ranking in Health and Welfare of Romania has fallen sharply in 2017 (48th), each indicator does not show much change except subsidies and other transfer. One assumption for the sudden drop in ranking may be that slightly lower performance in disease management subgroup caused the change of Romania's relative status in health and welfare. Another reason that Health and Welfare score has been sluggish may be attributed to the fact that subsidies and other transfer is continuously decreasing since 2010.

In trends in health expenditure as a share (%) of GDP in Romania in 1995–2013 compared to neighboring OECD countries such as Slovakia, Hungary, Czech Republic, Poland, and Non-OECD county, Bulgaria, Romania has shown lower share of GDP (ranges from 2.6% to 6%) steadily. However, the public sector accounts for the largest part of health expenditure (80% in

2014), which is lower than in the Czech Republic (83%) but higher than Slovakia (70%), Poland (70%), Hungary (64%), Bulgaria (59%) and the EU average of 76% (Vlădescu, C. et al, 2016).

The number of physicians and nurses are relatively small in Romania compared to the EU average, but compared to 89 other developing countries the number was well around the average. This has mainly been attributed to the high rates of workers emigrating abroad over the past decade, exacerbated by joining EU and the reduction of public sector salaries due to the economic crisis (Vlădescu, C. et al, 2016).

Relatively recent reforms (2008-2014) have

introduced cost-saving methods. The government attempted to shift some of the health care costs to drug manufacturers and to the population (through co-payments), and on improved the monitoring of health care expenditure.

Health Inequality in Developing Countries

Studies analyzing health indicators in developing countries have focused particularly on infant mortality. From now on, health indicators in developing countries need to be considered in the perspective of equality. Health inequalities is generally defined as differences in health status or in the distribution of health determinants between different population groups; for example, differences in mortality rates between people from different social classes.

Waldmann (1992) reported that infant mortality was high in countries with high inequality after controlling GNP per capital. Waldmann (1992) and Hales (1999) also indicated that regardless of the level of economic development, the equality of countries tends to lower the infant mortality rate.

In poor countries, as the per capita GNP increases, the infant mortality rate decreases rapidly. However, in rich societies, even if the GCP increases, the infant mortality rate changes slowly. In countries that already live well above a certain level, the infant mortality rate does not change much according to the economic growth. Health systems must be seen in terms of not only health improvement, but also equity and responsiveness to legitimate expectation.

ICT: Rankings of 2016-2017

Country	2017	2016	Change	Country	2017	2016	Change	Country	2017	2016	Change
Singapore	1	1	0	Brazil	31	28	-3	Venezuela, RB	61	57	-4
Korea, Rep.	2	2	0	Argentina	32	36	4	Paraguay	62	59	-3
Qatar	3	3	0	Ecuador	33	22	-11	Uganda	63	69	6
Bahrain	4	4	0	Rwanda	34	37	3	Lao PDR	64	60	-4
Belarus	5	5	0	Philippines	35	29	-6	Cambodia	65	70	5
Lithuania	6	6	0	Mongolia	36	46	10	Algeria	66	73	7
Malaysia	7	7	0	Ukraine	37	40	3	Bangladesh	67	67	0
Uruguay	8	9	1	Vietnam	38	33	-5	Cameroon	68	66	-2
Latvia	9	12	3	Croatia	39	38	-1	Tanzania	69	72	3
Kazakhstan	10	10	0	Indonesia	40	34	-6	Mali	70	71	1
Azerbaijan	11	8	-3	Morocco	41	43	2	Nepal	71	75	4
Russian Federation	12	13	1	Jamaica	42	49	7	Zimbabwe	72	64	-8
Kuwait	13	26	13	Tunisia	43	41	-2	Nigeria	73	65	-8
Costa Rica	14	14	0	Dominican Republic	44	45	1	Nicaragua	74	68	-6
Mauritius	15	15	0	Botswana	45	42	-3	Liberia	75	76	1
Bulgaria	16	18	2	Lebanon	46	55	9	Pakistan	76	74	-2
China	17	16	-1	Albania	47	48	1	Ethiopia	77	80	3
Oman	18	11	-7	Kenya	48	44	-4	Mozambique	78	78	0
Panama	19	17	-2	Peru	49	50	1	Burkina Faso	79	77	-2
Colombia	20	27	7	Kyrgyz Republic	50	61	11	Benin	80	86	6
Jordan	21	20	-1	El Salvador	51	47	-4	Sudan	81	82	1
Serbia	22	25	3	Honduras	52	63	11	Angola	82	83	1
Sri Lanka	23	24	1	India	53	53	0	Madagascar	83	81	-2
Uzbekistan	24	32	8	Guatemala	54	52	-2	Timor-Leste	84	85	1
Romania	25	30	5	Bosnia and Herzegovina	55	31	-24	Malawi	85	79	-6
Thailand	26	35	9	Ghana	56	54	-2	Mauritania	86	87	1
Armenia	27	19	-8	Egypt, Arab Rep.	57	62	5	Sierra Leone	87	84	-3
Georgia	28	21	-7	Senegal	58	58	0	Congo, Dem. Rep.	88	89	1
Moldova	29	23	-6	Bolivia	59	51	-8	Guinea	89	88	-1
South Africa	30	39	9	Zambia	60	56	-4				

ICT: Rankings by Subgroup

Country	ICT promotion	ICT scale	ICT utilization	Country	ICT promotion	ICT scale	ICT utilization	Country	ICT promotion	ICT scale	ICT utilization
Singapore	1	1	1	Brazil	46	19	39	Venezuela, RB	84	34	67
Korea, Rep.	7	2	2	Argentina	69	15	46	Paraguay	78	55	54
Qatar	2	9	3	Ecuador	31	40	21	Uganda	38	80	53
Bahrain	5	4	6	Rwanda	4	77	17	Lao PDR	39	71	64
Belarus	-	3	10	Philippines	27	46	27	Cambodia	58	58	73
Lithuania	6	7	5	Mongolia	25	37	37	Algeria	75	53	81
Malaysia	3	23	4	Ukraine	53	32	32	Bangladesh	63	73	60
Uruguay	11	6	12	Vietnam	33	41	30	Cameroon	49	74	72
Latvia	10	10	13	Croatia	30	20	49	Tanzania	57	85	62
Kazakhstan	18	13	14	Indonesia	23	52	38	Mali	41	63	78
Azerbaijan	17	17	7	Morocco	26	43	33	Nepal	71	65	70
Russian Federation	24	8	19	Jamaica	22	44	51	Zimbabwe	77	61	77
Kuwait	45	5	41	Tunisia	50	39	44	Nigeria	70	68	68
Costa Rica	20	16	16	Dominican Republic	52	45	36	Nicaragua	80	60	71
Mauritius	9	24	18	Botswana	43	35	63	Liberia	51	83	74
Bulgaria	32	12	20	Lebanon	72	18	61	Pakistan	66	79	69
China	15	33	9	Albania	42	38	55	Ethiopia	47	86	66
Oman	13	22	34	Kenya	21	67	25	Mozambique	65	82	79
Panama	12	26	24	Peru	55	50	42	Burkina Faso	67	78	75
Colombia	16	31	15	Kyrgyz Republic	62	42	59	Benin	56	76	84
Jordan	8	36	22	El Salvador	64	47	48	Sudan	-	64	80
Serbia	59	11	35	Honduras	36	59	47	Angola	83	81	82
Sri Lanka	14	54	11	India	28	69	31	Madagascar	76	88	76
Uzbekistan	-	48	8	Guatemala	61	57	26	Timor-Leste	79	70	85
Romania	34	21	43	Bosnia and Herzegovina	73	27	65	Malawi	74	89	83
Thailand	37	25	23	Ghana	44	51	58	Mauritania	82	72	86
Armenia	40	30	28	Egypt, Arab Rep.	60	49	57	Sierra Leone	-	66	88
Georgia	48	28	29	Senegal	29	62	50	Congo, Dem. Rep.	-	87	87
Moldova	54	14	45	Bolivia	68	56	52	Guinea	81	84	89
South Africa	19	29	40	Zambia	35	75	56				

Information and Communications Technology (ICT)

1. Overview

The fourth industrial revolution is currently ongoing at a dazzling speed. It is expected that a number of ICT based emerging technologies, such as Internet of Things (IoT), or Artificial Intelligence (AI), will improve the quality of life around the world. At the same time, however, this transition has risen concerns about unequal development among countries, as the new technologies require sufficient ICT infrastructure. Some developed countries with well-established ICT infrastructure are ready to lead the new economy while most developing countries will be left behind. Recognizing this problem, some developing countries have started to prioritize ICT policies aimed at infrastructure improvement and socio-economic growth.

Government's role in improving ICT area can be divided into four sequential levels: input, throughput, output, and outcome. Input can be measured by using the level of physical infrastructure and ICT-related education, and the number of ICT professionals. Available measures for throughputs include government investment, government regulations on ICT industry, policy priorities for ICT, and so on. Output is defined as the short-term result, so the number of ICT firms, mobile accessibility, and individual use of ICT can be considered. In the long-term, the improvement of ICT will lead to an increase in e-participation capabilities and the development of ICT industry.

The GC report in 2017 newly rearranges ICT indicators to systematically analyze where a country is positioned relative to other countries for the three different sub-dimensions and an overall competitiveness. Specifically, the overall score is

calculated by aggregating results from three subcategories - scale, promotion, and utilization. The following are some examples for each category.

Scale: ICT-related infrastructure (e.g. internet, broadband, electricity, etc.), ICT experts

Promotion: ICT policy priorities (e.g. government vision, promotion)

Utilization: ICT use, impact of ICT on diverse area (e.g. education, business, e-participation.)

The costs and time required to build an adequate ICT infrastructure are generally high. In this sense, there is no significant change in the ranking of the top 10 countries in 2016 and 2017.

The ranking of 41 of the 89 countries has risen by at least one step. Kuwait (13th) is the biggest mover with jumping up 13 steps because of a high score for scale category (5th). This indicates that Kuwait has been sufficiently investing in ICT infrastructure. Honduras is the second biggest mover, ranking in 52nd. Another countries showing substantial increase are Mongolia (+10), Thailand, South Africa, Lebanon, and Kyrgyz Republic (+9).

Meanwhile, the ranking of 33 countries declines. Among them, Bosnia and Herzegovina falls greatly from 31st to 55th.

2. Issues and Policy Implications

Azerbaijan: Seeking Economic Opportunities through ICT

Azerbaijan is ranked 11th in the overall ICT competitiveness in 2017, which is three steps

lower than in 2016. In particular, utilization score (7th) is relatively higher than the other subcategories (17th).

Azerbaijan is the second highest performance country among the Commonwealth of Independent States (CIS) in terms of ICT development. The Azerbaijan government has played a pivotal role to improve ICT, which is reflected in the higher ranking of utilization index in our analysis.

According to Executive Opinion Survey (2014-15) conducted by World Economic Forum, Azerbaijan has implemented clear and specific plans for utilizing ICTs to improve the country's overall competitiveness. For instance, the Azerbaijan government has jointly implemented a series of projects with UNDP, such as National ICT Strategy (2003-2012) and Modernization of Sustainability and Efficiency of ICT infrastructure and ICT services in the Republic of Azerbaijan (2013-2020). These projects have promoted the use of ICT tools and improved efficiency and transparency in the public sector.

Azerbaijan has made continuous progress in ICT area. Furthermore, the Azerbaijan government has plans to strength and diversify economy by shifting attention from oil industry to ICT industry often regarded as a high value-added industry. However, there is a lack of human capital. Therefore, investing in ICT training programs and higher education is vital to foster ICT industry.

Indonesia: Massive ICT Infrastructure Opportunity

Indonesia is ranked 37th in 2017 which is three steps lower than in 2016. The highest ranking of sub-category is promotion (23rd) while the lowest ranking is scale (52nd).

Indonesia has recognized the importance of ICTs. In the late 1990s, ICT related legislations were enacted to liberalize telecommunication sector: Indonesia Telecommunication Sector Policy (1999) and Telecommunication's Law no. 36 (1999). The government established task force

teams and institutions, such as the Coordination Team for ICT Development (2000), in order to encourage use of **ICT** in government organizations. Several programs as a part of Broadband Plan Indonesia (IBP) have implemented to build ICT infrastructure since 2014. Currently, Indonesia is developing and implementing open government policies to become the transparent, participatory and accountable government.

The geographical feature in Indonesia is a major obstacle to expanding ICT infrastructure. Indonesia is made up of more than 17,500 islands with a population of 250 million, and it requires substantial investments to increase connectivity within the country.

The Indonesian government announced plans to allocate a Rp 288 trillion (US\$ 24 billion) for broadband development in 2014. According to the World Bank, although Indonesia's Internet penetration has been gradually increasing since 2000. However, only 25.4% of the population used internet in 2016. This percentage is still low, compared to 47.5% in Thailand, 55.5% in Philippines, and 46.5% in Vietnam.

February 2017, the Minister of Communications and Information Technology announced that Palapa Ring project in Indonesia aiming to build ICT infrastructure, will be completed by 2019 and as a result, internet accessibility and the connection speed will be improved. Expenditures in the ICT sector are also expected to increase every year. The Indonesia government will spend Rp 20.7 trillion (US\$1.5 billion) in 2017. Long-term government plans and a constant increase in ICT infrastructure investment will have a positive impact on the economy and society in the end.

Infrastructure: Rankings of 2016-2017

Country	2017	2016	Change	Country	2017	2016	Change	Country	2017	2016	Change
Singapore	1	1	0	Albania	31	44	13	Liberia	61	49	-12
Qatar	2	2	0	Azerbaijan	32	29	-3	Lao PDR	62	61	-1
Korea, Rep.	3	3	0	Romania	33	40	7	Pakistan	63	54	-9
Bahrain	4	5	1	Oman	34	7	-27	Senegal	64	69	5
Malaysia	5	8	3	Moldova	35	24	-11	Rwanda	65	63	-2
Mauritius	6	9	3	Brazil	36	38	2	Venezuela, RB	66	48	-18
Jordan	7	12	5	Colombia	37	42	5	Mozambique	67	71	4
Latvia	8	16	8	Morocco	38	31	-7	Timor-Leste	68	51	-17
Russian Federation	9	25	16	Algeria	39	30	-9	Cameroon	69	80	11
Georgia	10	6	-4	Vietnam	40	39	-1	Zimbabwe	70	74	4
Bulgaria	11	10	-1	South Africa	41	33	-8	Mauritania	71	79	8
Armenia	12	35	23	Sri Lanka	42	43	1	Burkina Faso	72	77	5
Lithuania	13	21	8	Paraguay	43	37	-6	Bangladesh	73	75	2
Tunisia	14	22	8	Jamaica	44	41	-3	Malawi	74	73	-1
Croatia	15	19	4	Ecuador	45	45	0	Kenya	75	81	6
Kazakhstan	16	15	-1	Peru	46	52	6	Mali	76	78	2
Kuwait	17	4	-13	Lebanon	47	36	-11	Cambodia	77	76	-1
Belarus	18	11	-7	Dominican Republic	48	50	2	Sudan	78	85	7
Uzbekistan	19	46	27	Philippines	49	56	7	Tanzania	79	84	5
Costa Rica	20	13	-7	Honduras	50	53	3	Benin	80	68	-12
Thailand	21	18	-3	Indonesia	51	58	7	Angola	81	82	1
China	22	32	10	Bolivia	52	62	10	Zambia	82	70	-12
Uruguay	23	26	3	El Salvador	53	47	-6	Uganda	83	83	0
Panama	24	20	-4	Guatemala	54	55	1	Sierra Leone	84	67	-17
Serbia	25	23	-2	Nicaragua	55	57	2	Guinea	85	86	1
Ukraine	26	17	-9	India	56	66	10	Ethiopia	86	72	-14
Egypt, Arab Rep.	27	27	0	Mongolia	57	60	3	Congo, Dem. Rep.	87	88	1
Bosnia and Herzegovina	28	14	-14	Botswana	58	59	1	Nigeria	88	87	-1
Kyrgyz Republic	29	28	-1	Ghana	59	64	5	Madagascar	89	89	0
Argentina	30	34	4	Nepal	60	65	5				

Infrastructure: Rankings by Subgroup

Country	Infra Investment	utility	Country	Infra Investment	utility	Country	Infra Investment	utility
Singapore	4	2	Albania	17	37	Liberia	1	86
Qatar	7	1	Azerbaijan	51	45	Lao PDR	30	61
Korea, Rep.	33	4	Romania	31	40	Pakistan	70	62
Bahrain	89	3	Oman	87	14	Senegal	34	67
Malaysia	67	7	Moldova	11	41	Rwanda	22	63
Mauritius	40	11	Brazil	39	38	Venezuela, RB	88	64
Jordan	3	27	Colombia	35	33	Mozambique	2	88
Latvia	15	15	Morocco	27	43	Timor-Leste	43	56
Russian Federation	19	20	Algeria	48	46	Cameroon	47	68
Georgia	5	31	Vietnam	69	24	Zimbabwe	10	76
Bulgaria	13	18	South Africa	38	35	Mauritania	8	79
Armenia	20	10	Sri Lanka	78	29	Burkina Faso	18	70
Lithuania	16	28	Paraguay	72	32	Bangladesh	82	66
Tunisia	25	25	Jamaica	46	52	Malawi	21	73
Croatia	12	22	Ecuador	57	48	Kenya	44	78
Kazakhstan	66	13	Peru	58	49	Mali	32	71
Kuwait	85	6	Lebanon	6	60	Cambodia	60	77
Belarus	50	9	Dominican Republic	62	36	Sudan	81	74
Uzbekistan	54	34	Philippines	76	39	Tanzania	45	82
Costa Rica	37	19	Honduras	26	57	Benin	55	81
Thailand	53	12	Indonesia	79	47	Angola	41	83
China	86	5	Bolivia	23	54	Zambia	80	72
Uruguay	59	8	El Salvador	68	51	Uganda	74	69
Panama	56	16	Guatemala	71	50	Sierra Leone	9	84
Serbia	28	21	Nicaragua	42	55	Guinea	73	75
Ukraine	29	30	India	75	53	Ethiopia	65	85
Egypt, Arab Rep.	64	26	Mongolia	36	58	Congo, Dem. Rep.	52	87
Bosnia and Herzegovina	77	17	Botswana	83	44	Nigeria	84	80
Kyrgyz Republic	24	42	Ghana	14	65	Madagascar	61	89
Argentina	49	23	Nepal	63	59			

Infrastructure

1. Overview

Infrastructure refers to the fundamental facilities, and a variety of social overhead capital (SOC), which serve cities, countries or areas. Given that countries' infrastructure require a policy from a long-term perspective, and a certain executive administrational power, the four phases of infrastructure focus on the capacity of governments.

In the input stage, governments' capacity to attract foreign investment and official development assistance (ODA) is as important as the capacity to switch them to government final consumption expenditure.

In the throughput stage, long-term infrastructure policies, such as the five-year economic development plan of Korea in 20th century, can be useful. One of the ways to measure the policy priority of infrastructure is to identify the share of the total budget. Regulations, such as obtaining necessary permits for construction or getting stable and permanent electricity connection for a new building, are one of the government controls that can affect the quality of infrastructure.

In the output stage, GC of infrastructure depends on a number of SOCs, such as airports and railways per capita. Public housing is essential for the poor. Public squares provided for citizens to gather and relax is also important. Energy consumption and production are also included in the output. To avoid vulnerability of foreign relations, a country needs to have its own energy production facilities.

In the outcome stage, access to public transportation, energy, clean water and improved

sanitation facilities per capital is measured to confirm the further effects of governments' competitiveness.

Overall Results

The overall score of infrastructure is not much different from last year. Top ranked three countries in the last year, Singapore(1st), Qatar(2nd) and Korea(3rd), are still in their positions. Because of improved performance in the throughput stage, Bahrain(5th to 4th) and Malaysia(8th to 5th) are ranked one step and three steps higher than in 2016, respectively. Madagascar remains in the last group with Nigeria, Congo and Guinea. Ethiopia's and Sierra Leone's ranking fall from 72nd to 86th, and from 67th to 84th, respectively. Both countries have newly entered to the bottom group. Armenia (35th to 11th) and Uzbekistan (36th to 19th) show outstanding performance, jumping up more than twenty steps.

Subgroup categories of each GC area has been developed to provide a more robust evaluation this year. Infrastructure has two sub-group categories: Infra-investment and Utility. Infra-investment sub-group consists of indices related to infrastructure resources, such as government expenditure, and external resources, such as ODA and foreign investment. Utility sub-group is associated with indices that show how attentively infrastructure is functioning via carefully designed policies.

In subgroup of Infra-investment, Liberia is ranked first. ODA per capita seems to have played a major role. Liberia is considered one of the beneficiaries in ODA, receiving 242 million dollars

in 2015. Mozambique is ranked 2nd for the same reason like Liberia. However, Jordan(3rd) and Singapore(4th) are different from Liberia. The countries' high ranking come from their own government expenditure (% of GDP) rather than ODA per capital. In the top group of countries of intra-investment, this distinction can be one of reasons for Utility ranking. Countries where the high level of ODA and the low level of government expenditure exist have imbalance between the two subgroups.

In subgroup of Utility, Singapore(2nd) stays in the while Liberia(88th) top-group, Mozambique(87th) fall down to the bottom-group. Jordan is ranked 27th, which is still in the position of the upper group, despite the shortage of port traffics and air freight handling due to political situations. Georgia(31st) also shows a big gap with subaroup of Infra-investment(5th). Nevertheless, Georgia shows a remarkable performance in throughput stage, even though international traffic is restricted for to the same reason as Jordan. Qatar, on the other hand, shows a balance of subgroup scores. It is ranked 7th in infra-investment and first in Utility for mainly public service provision.

Among the high-income group in developing countries, Singapore is ranked first, followed by Qatar(2nd), and Bahrain(4th). Oman belongs to the bottom of the high-income group, mostly due to low level of Infra-investment.

Low-income countries show low performance in infrastructure GC. Even though some low-income countries rank high in subgroup of Infrainvestment, the overall ranking is low because throughput stage score is low. This implies that core GC does not work in those countries.

Jordan, Georgia, Armenia, and Tunisia are the top countries among lower-middle income countries. Except for Armenia, the countries are boosted by high ranking in subgroup of Infra-investment. On the other hand, some lower-middle income countries have lower GC score in infrastructure than lower-income countries, such as Zambia(80th), Angola(82nd) and Nigeria(88th).

Among upper middle-income countries, Malaysia is ranked first, followed by Mauritius(6th) and Bulgaria(10th). These countries have high outcome and throughput scores. It can be interpreted that, in the case of upper middle income countries, outcome of infrastructure might have accelerated the development of the countries, functioning as a basis of social communication and economic transportation.

2. Issues and Policy Implications

Armenia: Seeking for Independent Infrastructure

Armenia has long been aware of the importance of infrastructure ranging from energy production facilities to public transportation. As a member of Commonwealth of Independent States (CIS), Armenia has an asymmetrical relationship with Russia Federation in terms of infrastructure. However, Armenia has attempted to develop its own infrastructure and is ranked 11th in Infrastructure of GC. The performance in subgroup of utility(10th) is better than the subgroup of Infra-investment(20th).

Since 2017, there has been remarkable investment in infrastructure from foreign firms in Armenia. The Armenian Ministry of Energy Infrastructures and Natural Resources and the Ocean Holding LLC, a company in UAE, has signed Memorandum of Understanding (MoU), to develop the renewable energy sector in Armenia. The company is investing \$ 100 million dollars in Armenia's solar projects. Armenia has strived to not only build its own energy production facilities but also modernize its old transportation system mainly built in the Soviet era. According to one of the biggest broadcasters, Public Radio of Armenia, the Armenian government has received approximately \$ 1.19 billion dollars from Asian Development Bank (ADB). ADB has helped Armenia improve infrastructure.

The score of infrastructure in GC is determined mostly by electricity production and consumption. Significant amounts of ADB investment have

been used to build private sector electricity distribution and reduce distribution losses. Considering the history of Armenian electricity, which Russia owned 100% in 2008, this attempt can be regarded as a first step toward energy independence. Armenian electricity market is thriving, domestic consumption has increased by 7.2% in 2017, and the volumes of export has increased by almost 10 percent.

Among the four stages of infrastructure, Armenia performs best in the outcome stage. Access to basic facilities, such as water and sanitation, which plays a pivotal role in increasing Health and Welfare, is easy. This can be one of reasons why Armenia's GC score in Health and Welfare remains at the upper class.

There are three suggestions for Armenia. First, attracting foreign investment on Armenia's energy independence is inevitable. Despite the improved electricity consumption and production being effective on infrastructure GC score, Armenia is still behind these indicators compared to neighbor countries. It would be a good choice for Armenia to develop a variety of ways to deliver energy, just as in the case of Georgia and Iran.

Second, military conflicts often resulting from ethnic problems like Nagorno-Karabakh war could have negative effect on infrastructure policy. If this problem is not solved at all, not only foreign agents will be reluctant to invest but also citizens will not trust the government.

Finally, the privatization model that applies to Armenia's public infrastructure provision (PIP) should be treated with caution. The Armenia government owns airports and railways but private organization has operational function in a "Build-Rehabilitate-Operate-Transfer wav (BROT)." This "BROT" can be efficient for modernizing infrastructure but it could cause expensive cost. As a striking example, the government had obligation Armenian reimburse the loss of South Caucasians Railways, which will reach 30% from 2016 to the end of the contract. The country has been striving to find well-organized PIP methods as stated in the

Government Program of the Republic of Armenia 2012-2017. Given South Korea' experience, careless privatization could cause corruption and unnecessary political dispute.

Malaysia: Healthy Governance for Infrastructure

Malaysia has been hailed in media and other country ranking index such as WEF, for its excellent infrastructure. Malaysia, is ranked 5th, shows outstanding score in the throughput(4th) and outcome(8th) stages. In subgroup of Utility, Malaysia is ranked 7th, carrying the country to the top group of GC infrastructure score. In subgroup of Infra-investment, however, it is ranked 67th due to low foreign investment. Considering its ranking in other policy areas (Education-18th, Agriculture-7th, Health & Welfar-34th), infrastructure score of Malaysia is also high. It is ranked three steps higher than last year in infrastructure area.

Malaysia is an open country to build its infrastructure to connect neighbor countries. The Malaysia government has been focusing on the connection of Brunei-Indonesia-Malaysia-Philippines East Asean Growth Area's (BIMP-EAGA) development since 2015. The project, called "Mammoth", aims to construct the Pan Borneo Highway. With the mammoth project, it is expected that transportation networks of Malaysia would be improved.

The country is constantly trying to develop rural and coastal areas by building bridges and paving roads. This process requires collaboration with local communities and the Ministry of Infrastructure Development and Transportation (MIDT). Malaysia has run a series of dialogues with local community leaders in 2017.

In 2017, Malaysia opened public transportation. It deregulated unnecessary restrictions, such as the taxi industry. Malaysia has been providing free CAT bus system to its citizens since 2008. The country will also introduce new technologies, such as vessels traffic system (VTS), a navigation system that can enhance safety and security of citizens.

The overall GC score for Malaysia's infrastructure relies largely on the indices in the outcome stage. Accessibility to basic facilities is almost 100% in Malaysia. The indicator in the throughput stage is also great. The Malaysian government is open to share information and listen to citizens' opinions. Compared to other countries, Malaysia provides faster permitting process for construction. Considering the population, however, the number of airports and the volume of air cargo are relatively small.

There are three suggestions for Malaysia. First, the Malaysia government should strive to establish governance in advance to building social overhead capitals (SOCs). Infrastructure has to be built through long-term policies that accurately calculate costs and benefits. If the government is open to listen citizen's opinions and reflect them in policies, the trust of the government will increase.

Second, Malaysia needs to simultaneously expand its infrastructure to the country's rural areas while introducing new technologies. In terms of infrastructure, Malaysia can be considered as the exemplary country in GC methodology.

Finally, deregulation and the introduction of new institutions should be done carefully. When deregulation is combined with unpredictable social phenomenon, aimed benefits could be offset by unanticipated costs. Introducing new institutions to the government should not be mimetic isomorphism. However, if Malaysia keeps to listen to its citizen's voice, mimetic isomorphism is not likely to happen.

Safety: Rankings of 2016-2017

Country	2017	2016	Change	Country	2017	2016	Change	Country	2017	2016	Change
Singapore	1	1	0	Moldova	31	55	24	Ghana	61	31	-30
Croatia	2	4	2	Uruguay	32	26	-6	Paraguay	62	35	-27
Qatar	3	3	0	Thailand	33	20	-13	Rwanda	63	34	-29
Romania	4	14	10	Argentina	34	33	-1	India	64	23	-41
Armenia	5	42	37	Colombia	35	58	23	Timor-Leste	65	83	18
Costa Rica	6	24	18	Ecuador	36	38	2	Senegal	66	66	0
Korea, Rep.	7	2	-5	Mongolia	37	53	16	Cambodia	67	41	-26
Jordan	8	25	17	Morocco	38	16	-22	Tanzania	68	63	-5
Oman	9	7	-2	Indonesia	39	6	-33	Ethiopia	69	65	-4
Kuwait	10	8	-2	Peru	40	48	8	Pakistan	70	71	1
Azerbaijan	11	44	33	Lithuania	41	21	-20	Zimbabwe	71	62	-9
Bulgaria	12	9	-3	Dominican Republic	42	67	25	Madagascar	72	77	5
Mauritius	13	22	9	Vietnam	43	30	-13	Mauritania	73	74	1
Bosnia and Herzegovina	14	11	-3	Russian Federation	44	57	13	Sudan	74	79	5
Lebanon	15	50	35	Nicaragua	45	37	-8	Mali	75	80	5
Latvia	16	15	-1	Lao PDR	46	49	3	Kenya	76	76	0
Belarus	17	13	-4	Ukraine	47	56	9	Angola	77	81	4
Albania	18	32	14	Philippines	48	27	-21	Zambia	78	84	6
Bahrain	19	28	9	Venezuela, RB	49	88	39	Burkina Faso	79	64	-15
Sri Lanka	20	29	9	El Salvador	50	69	19	Uganda	80	82	2
China	21	5	-16	Guatemala	51	70	19	Cameroon	81	54	-27
Georgia	22	10	-12	Bangladesh	52	17	-35	Malawi	82	72	-10
Serbia	23	12	-11	Malaysia	53	19	-34	Liberia	83	85	2
Algeria	24	39	15	Kyrgyz Republic	54	43	-11	Mozambique	84	60	-24
Egypt, Arab Rep.	25	51	26	Honduras	55	73	18	Benin	85	78	-7
Panama	26	47	21	Bolivia	56	68	12	Sierra Leone	86	86	0
Tunisia	27	45	18	Brazil	57	52	-5	Nigeria	87	61	-26
Jamaica	28	36	8	Botswana	58	75	17	Guinea	88	87	-1
Uzbekistan	29	18	-11	Nepal	59	40	-19	Congo, Dem. Rep.	89	89	0
Kazakhstan	30	46	16	South Africa	60	59	-1				

Safety: Rankings by Subgroup

Country	Crime & Warfare	Natural Disaster Management	Safety and Health	Country	Crime & Warfare	Natural Disaster Management	Safety and Health	Country	Crime & Warfare	Natural Disaster Management	Safety and Health
Singapore	1	1	8	Moldova	41	10	43	Ghana	10	70	69
Croatia	17	2	5	Uruguay	32	47	6	Paraguay	73	61	31
Qatar	6	26	1	Thailand	57	39	19	Rwanda	53	59	65
Romania	13	3	24	Argentina	52	19	15	India	84	60	60
Armenia	2	13	38	Colombia	66	23	32	Timor-Leste	47	62	66
Costa Rica	23	8	3	Ecuador	49	34	34	Senegal	54	73	62
Korea, Rep.	9	6	30	Mongolia	31	33	44	Cambodia	30	74	64
Jordan	7	38	9	Morocco	14	53	37	Tanzania	55	72	74
Oman	8	25	14	Indonesia	34	44	56	Ethiopia	80	66	71
Kuwait	5	12	11	Peru	71	22	40	Pakistan	87	69	68
Azerbaijan	11	17	25	Lithuania	46	20	18	Zimbabwe	39	87	72
Bulgaria	26	4	17	Dominican Republic	27	36	48	Madagascar	59	77	81
Mauritius	28	15	13	Vietnam	40	57	54	Mauritania	25	67	76
Bosnia and Herzegovina	18	7	23	Russian Federation	60	16	42	Sudan	88	79	67
Lebanon	24	21	47	Nicaragua	42	50	46	Mali	68	83	82
Latvia	29	24	22	Lao PDR	3	65	61	Kenya	78	82	70
Belarus	12	5	35	Ukraine	81	14	55	Angola	63	68	77
Albania	20	30	2	Philippines	79	37	50	Zambia	72	80	75
Bahrain	15	48	4	Venezuela, RB	85	29	26	Burkina Faso	65	75	80
Sri Lanka	16	64	7	El Salvador	82	41	36	Uganda	74	78	83
China	43	31	16	Guatemala	64	54	51	Cameroon	83	76	73
Georgia	35	18	29	Bangladesh	56	58	58	Malawi	69	71	79
Serbia	38	9	10	Malaysia	45	42	33	Liberia	62	86	84
Algeria	21	40	28	Kyrgyz Republic	36	28	52	Mozambique	67	85	85
Egypt, Arab Rep.	51	43	21	Honduras	70	52	41	Benin	77	89	78
Panama	48	11	49	Bolivia	58	46	53	Sierra Leone	61	81	88
Tunisia	50	27	12	Brazil	75	45	39	Nigeria	86	84	89
Jamaica	33	32	20	Botswana	37	55	57	Guinea	76	88	87
Uzbekistan	4	49	45	Nepal	44	56	63	Congo, Dem. Rep.	89	63	86
Kazakhstan	19	35	27	South Africa	22	51	59				

Safety

1. Overview

Safety refers to the state of no harm in physical and property of citizens and no threat to system stability. Safety in non-OECD countries can be divided into 3 parts: safety from crime and warfare, safety from natural disaster, and safety from communicable diseases.

Crime and warfare include violent crimes, such as murder, robbery, rape, and war-related threats such as terrorism and insurrection. Natural disaster includes meteorological disaster (i.e., storms), hydrological disaster (i.e., floods, landslide, and avalanches), and climatological disaster (i.e., extreme temperatures, droughts, and forest fires). A communicable disease is a disease that can spread among people through viruses in the air, contact with body fluids, or insect bites. HIV, malaria, measles, and coronavirus are some examples of communicable diseases.

Each part of safety index has its own 4 stages. Input stage is defined by the amount of resources (i.e., human resources, budget, and attention) that governments put into preventive or counter disasters. In order to capture input in safety, we aggregate index such as percentage of expenditure on routine immunization funded by government (%) [retrieved from WHO1. Throughput implies the capacity of public administration system to secure their people and system. Natural Hazard Risk Quality [retrieved from FM global] is considered in this stage. Output, as the result of throughput, includes index such as refugees by country of origin (thousand) [retrieved from UNDP]. Finally, the perceptions of safety walking alone at night [retrieved from

Gallup world poll] is one of the indices to calculate outcome. In this sense, outcome refers to the improvement of social capitals, such as psychological well-being through the removal or reduction of dangers and disasters.

Safety and non-OECD countries: Human beings pursue to fulfill their basic needs and achieve their higher needs, such as self-realization. According to Maslow's theory, the needs for safety is placed in 2nd level of the hierarchy. People would like to be protected from danger, and would like to be safe. This is the primary needs. To meet people's needs, countries carry out activities, such as defense, police, and healthcare. Even those who support the idea for a minimal country consider that governments should be responsible for the safety of people. However, in some developing countries where the political or economic situation is poor, the basic need for safety is often unsatisfactory.

Safety activities include preventive, reactive and post-restoration activities. None of the three activities should be neglected to ensure safety, but the most important activity is preventive activity. This is because it is impossible to return the damage to its original state once a disaster occurs. The biggest problem with preventive activities is that it is difficult to know the appropriate level. Even if the appropriate level is known, it is often hard to achieve the level in the context of developing countries. Therefore, it is significantly important to reflect the reality of developing countries in building safety indicators. In the following three areas, it is necessary for developing countries to make efforts to secure public safety: crime and warfare, natural disaster, and communicable disease.

Ranking in 2017 Government Competitiveness safety area is quite different from that in 2016. This is because the GC has newly reorganized a large subset of the constituent indicators. The main difference is that the index for 2017 includes part of the disease while in 2016 there were no indicators for communicable diseases in safety area.

In general, countries with the higher income level (based on World Bank) have the higher safety ranking. Singapore has maintained its first place this year since last year. Croatia, which was fourth in last year, climbs two steps higher and is ranked second this year. Qatar is ranked third as in last year, while Romania jumps to fourth place this year compared to 14th last year. Jordan(8th), Oman(9th), and Kuwait(10th) are the top countries in the safety competitiveness.

2. Issues and Policy Implications

Qatar: Invest Oil Money for Future Safety

Tuberculosis and hepatitis C are included in Qatar's foreign health checkups. Foreign workers should leave the country if a kidney disease is found(MOFA, 2016). This is a precautionary measure to block the influx of certain diseases and improve Qatar's public health environment.

Qatar had once spent less on military compared to other gulf region countries, but it is now putting a lot of resources on armament. Qatar has plans to double its air force fighters by 2025. For instance, Qatar has signed a fighter contract with United States and a naval contract with Italy (Capaccio, A., & Johnsson, J., 2016; Khatri, S. S., 2016). Qatar also has signed a coastal defense system contract with a pan-European defense company, MBDA.

Qatar has launched a project to build a total of 95,000 artificial forests in the northern part of Doha in 2015, and the project will be completed soon (Varghese, J., 2016). The artificial forest is prepared to overcome the environmental constraints (desertification) of extreme weather by creating buffer zones.

Qatar is ranked first in the field of public health in spite of the risks of MERS. This is because Qatar has paid mainly attention to infectious diseases by implementing policies such as foreign health checkups, and managed infected people well.

Qatar is located in a region where natural disasters are not frequent. However, there is a risk of earthquakes, and an extreme hot climate occurs in summer. In addition, because it is in a desert zone, there is a risk of water scarcity, desertification, land degradation, and sea level rise. Qatar is well aware of these risks and seems to be responding relatively well. Qatar's ranking in the natural disaster area is 26th.

Qatar is ranked sixth in crime and warfare. Qatar has maintained moderate relationship with its neighbors until the temporary interdiction of five Arab nations declared diplomatic cessation in 2017. In the Middle East where there is a danger of terrorism, Qatar professed 'Switzerland in the Middle East'. It has secured its position as a peace mediator. Qatar has been able to achieve good grades in crime and warfare because it has increased budget in defense and police and made great efforts.

So far, the citizens' desire for safety seems to have been met. However, there are some areas that need improvements. First, roads are not very safe, and there is an urgent need to protect the safety of pedestrians. Policies related to road safety need to be carried out. Along with the government' effort, driver's mature attitude is necessary.

Natural disasters do not occur much, but Qatar government need to recognize the desertification caused by climate change and prepare for the desertification before it is too late.

Qatar has been able to maintain a significant level of safety based on oil money. However, as oil price has fallen and many alternative energies have emerged, Qatar should pay more attention to how it maintains its current level of safety. In other words, it is time to consider how to improve the efficiency of public safety system.

Venezuela: Correct the Imbalance between Sub-Indices

Venezuela has suffered from currency collapse and economic crisis due to a decrease in oil price since 2014. Inflation rate in Venezuela rose from 275% in 2015 to 720% in 2016 (Werner, A., 2015). Such events have disrupted the country's economic base and threatened the safety of the people.

Robbery and assault have become commonplace in recent years. Anti-government demonstrations are taking place frequently, and pro-government protesters are continuing their violent activities. Crime cases are on the rise every year. There are many violent incidents involving illegal firearms in Caracas and the surrounding area of the capital. There is a heinous crime against an unspecified number of people, and kidnapping and drugrelated crimes are frequent. The crime organizations are armed with weapons taken from the military and the police, overwhelming the local police (MOFA, 2017). In Venezuela, there is a black market for "Express Kidnapping". The kidnappers often demand \$10,000 to \$20,000 for a ransom for hostages and detain hostages for 48 hours.

For this reason, Venezuela is ranked 85th in crime and warfare, one of the sub index in safety field. This is the 5th lowest among the surveyed countries, followed by Nigeria, Pakistan, Sudan, and Democratic Republic of Congo. In detail, Venezuela's terrorism index ranking based on death, injury and property damage from crime and terror is very high. Considering the "perceptions of safety when walking alone at night." of the 89 countries surveyed, no country is ranked lower than Venezuela.

Safety in natural disaster, on the other hand, is well managed compared to safety in crime and warfare. Venezuela is located in a frequent disaster area. Natural disasters such as droughts, landslides and earthquakes occurred in 2016. Given the fact that Venezuela is ranked 29th in safety from natural disaster, it seems to be dealing with such natural disaster appropriately

compared to crime and warfare. Venezuela was focusing only on a specific natural disaster, such as earthquakes and trying to recover damaged areas after a disaster. In recent years, however, Venezuela has been more responsive efficiently to natural disasters by paying attention to overall natural disasters and by reducing potential risks through proactive prevention (Prevention Web, 2006).

Venezuelans are using relatively improved sanitized facilities. Immunization coverage of diphtheria, tetanus toxoid, and pertussis, which are prevalent in developing countries, are fairly high. Mortality rate due to communicable diseases and maternal, prenatal, or nutrition conditions are not very high. Life expectancy at birth is also not low at all.

There is serious imbalance between the 3 subindicators in the Safety field. Safety from crime and warfare is considerably lower than the other 2 sub-indicators. Venezuela is currently the lowest ranked group in crime and warfare. The GC Center suggests that Venezuela focuses on crime and war rather than natural disasters or diseases. Of course, the security situation in Venezuela will not be easily solved. Nevertheless, it should first deal with the imbalance among the three sub-indices. After that, it is reasonable to discuss the safety from natural disasters and communicable diseases. Despite the fact that Venezuela is in a bad situation, it has potential with recognizable scores in safety from natural disasters and diseases.

Romania: Priority is Safety in Public Health

Romania, which is ranked fourth in government competitiveness in safety, can be considered a safe country. Violent crimes, such as murder or rape rarely occur, and there is a high level of hygiene compared to other OECD countries in that Romania's government is deeply involved in all aspects of safety.

Romania is ranked 13th in crime and warfare. This indicates that Romania has a fairly high level of

safety. However, misdemeanors frequently occur in large cities in Romania. In particular, pickpockets against tourists are frequent in hotels, public transportation, money exchange, and airports. Romania is also a place where various kinds of drugs are distributed, so the likelihood of drug-related crimes is not low (OSAC, 2016). Romania, located in Europe, is likely to become the target of terrorism, just like many other European countries. However, considering the fact that there has been no terror in Romania so far, it can be argued that Romania is one of the safest countries from terrorism.

A 5.3-magnitude earthquake occurred in Vrancea County, Romania, on September 24th, 2016. It was the largest earthquake since 2009. Romania is one of the highest earthquake areas in Europe and most earthquakes occur in the Vrancea. Surprisingly, however, Romania is ranked 3rd in natural disaster management. That is because the government has constructed an effective disaster management system for a considerable period of time. Romania is one of the few countries with earthquake early warning system (Strauss, J. A., & Allen, R. M., 2016). Alert sounds in about 10 seconds to 1 minute before strong shake occurs.

Furthermore, Romania has adopted mandatory insurance for earthquake, landslides, and floods in 2008. The mandatory insurance is to insure every citizen, especially homeowners, from natural catastrophe. The policy is for the good purpose and reflects the government's effort to manage such safety issues. However, the policy seems to have some difficulties. It took more than 2 years to execute, and only 18% of people who were qualified were actually participated in the plan until October 2014 (Gavriletea, M. D., 2017). The government has amended the law to solve this problem.

Of all the 3 sub-index of safety area, Romania has the lowest in public health (24th). Romania is not a country with frequent disease outbreak. However, from February 2016 to January 2017, more than 2,000 people were infected by measles and 15 people died. Measles is a highly

but preventable. The WHO contagious. recommends two vaccinations for at least 95% of population are needed (WHO, 2017a). However, due to a lack of vaccines and the low accessibility of public health services to minorities, the measles vaccination rate was only 50% for the second dose (WHO, 2017). The government is now trying to solve the shortage of vaccine supply establishing long-term а vaccine management system.

Although natural disasters, such as earthquakes and floods occur frequently, Romania is actively participating in prevention activities, such as an early warning system installation or compulsory disaster insurance. Given the fact, it can be argued that Romania has a relatively wellestablished natural disaster management system. However, in the case of contagious disease, the safety of public health system is not wellmanaged. Last year, not only measles, but also contagious influenza, such as H1N1 was running rampant. Measles is, preventable disease with low immunization costs, However, Romania was not able to handle it very well. Indeed, there are loopholes in infectious disease management system. It should be noted that in order to secure the safety of the people, it is necessary to manage infectious diseases, as well as natural disaster management, security and national defense.

Government Competitiveness of Korea

Overall Government Competitiveness ranking of Korea this year is 24th in the OECD countries. This result is the third consecutive year of decline, after ranking 21st in 2016 and 16th in 2015. The analysis results for each field are as below.

Economy

For three consecutive years including this year, Korea has been ranking 9th in the economy policy area in the GC index. Korea's high performance is without a surprise, however, 'equity or economic equality' is a sector that Korea showed relatively low result. Today in Korean society, a commonly used term for the economic issue related to equity is 'Gabjil(갑질)', meaning tyranny or violence of people with much money or power. The root cause of this sort of misbehavior is claimed as the serious economic polarization of people.

With the launch of new government in 2017, Korean society expects to actively discuss about such equality issue. The first area of discussion in the recent economic policy area is on tax equity. Specifically, income inequality is being addressed since the corporate and personal income tax has been increasing, and they are diversifying into categories of generational tax equity for the elderly and young adults. In addition, the taxation of religion, which was the center of controversy for a long time, is expected to come to a conclusion shortly.

The massively growing public interest on the topics of equity shows how this important issue was not addressed properly in the past. Since the global financial crisis in 2008, the economy in

global scale has been shrinking, therefore the most important focus for small countries like Korea was to achieve economic 'growth', rather than reaching the fairness of economic 'distribution'.

The new government recognizes that focusing on economic equality of people will lead to low-growth trend, but at the same time they try to push the job policy forward, which emphasizes on the distribution side as top priority. The government's assumption of low-growth is not a problem; however it's declaration to take action by increasing the number of jobs and at the same time rapidly expanding government fiscal spending is a serious matter that requires careful consideration.

In conclusion, it is necessary to pay close attention to the potential changes in the ranking of Korea, since it will show the relationship between the expansions of the government expenditure emphasizing distribution as the economic fundamental status of Korea. Also, it will be worth noting how the new government's efforts affect the future government competitiveness index of Korea.

Information and Communications Technology

The world is entering the fourth industrial revolution. The growth of information and communications technology(ICT) related industry is rapidly transforming our lives, improving the way people connect with each other, while increasing productivity and giving new possibilities for growth. Regarding this change, Korea is preparing, yet requires continuous effort

in strengthening the basis for the new revolution. Korea already has few of the world leading companies in the ICT market, and its government is paying close attention to the fourth industrial revolution, specifically supporting to build a fundamental system on top of what already exists, such as easy internet access and mobile phone subscriptions.

Technology convergence, including robot, AI, and IoT, is already leading issue related to economic growth. For instance, Seoul city, which is the biggest local government in Korea, coined the term "diginomics" (digital + economics) and held a forum titled "Open Digital Forum" in the City Hall of Seoul on Oct, 2016. Seoul metropolitan government, universities, the experts and citizen participated in this forum to compile the performance of 'smart policy of Seoul' in order to make citizen's evaluation on current policy and plan the future together.

The moment when majority of Koreans realized the importance of technology was when the Artificial Intelligence (AI) program developed by Google, AlphaGo had a Go match with Lee Sedol(18-time world champion) in Seoul on March, 2016. This event made people understand to which level the AI technology has advanced and imagine how it can someday soon play a significant role in our everyday lives.

moment, During this awakening Korean government actively promoted the importance of ICT utilization and successfully vitalized digital contents market. As a result, very specific government policy in business sector was constituted and various tools such as conferences, open forums and public policy debates were initiated to discuss in-depth about such ICT related topics. However despite this effort, Korea ranked 16th in 2017 GC index, which is lower than the last year's (10th). Notably, the promotionrelated indicator rankings among the ICT indicators divided into the sub-group are significantly lower than those of the scale and utilization indicators (promotion 22nd, scale 12th, utilization 17th).

Korea's overall ICT ranking is relatively high, but the ranking of indices related to promotions is lower than those of other indicators. This means that there is a lack of government-level institutional efforts to facilitate this, compared to the top-level indicators related to scale, such as access to the Internet or mobile data. For instance, the laws relating to ICT, intellectual property protection or software piracy rate are indicators showing the class of fundamental institutions in national level (KERI, 2016). These results show that efforts should be made to ensure the legal and institutional infrastructure that Korea can properly function.

Research and Development

Korea's ranking of government competitiveness in Research and Development in 2017 has fallen drastically compared to last year. It ranked 11th in the previous year, but this year was 22nd. To understand this change it is necessary to look at the newly added indicators in 2017, since the sudden drop in ranking means there may be some intrinsic problems in Korea's R&D system.

First, it is possible to notice the low protection level of intellectual property rights. Intellectual property protection has been an ongoing issue in Korea that has been consistently pointed out since the government competitiveness report was published.

Since 2015, the government has been actively enforcing policy on illegal sharing; however it still requires constant attention and effort for these policies to be properly implemented. In addition, there still lacks national interest in science education within the education system. Also, the result of the index showing the openness and tolerance of foreign ideas (as named National Culture) was extremely low.

In a different perspective, it is necessary to discuss about Korea's R&D investing and evaluating system. First, Korean government's direct spending of R&D expenditure has been high in the proportion, while the proportion of government funding for corporate R&D has been

low since 2015. The reason for this is likely that the action of government heavily depends on 'public's interest'. Second, Korea's current R&D system tends to focus on achievements. Therefore, many researches are done in excessively performative manner; rather than looking into the future and trying to pursue a challenging research goal, simply rewarding and evident style of researches are more often carried out. Lastly, due to the goal oriented evaluation system, researchers are forced to focus work in manner they can 'win' rather than help and collaborate with each other.

To summarize, multiple indicators in the GC index pointed out many weaknesses of Korea and its system surrounding the R&D area. However, even though this problem cannot be solved immediately, Korea has reached the point where it needs to start changing the basis of R&D system.

Governance

We need to consider that the indicators included in GC index were measured before the Korean regime change. After a peaceful candlelight vigil demanding the impeachment of the President Park since October 2016, Korea imposed the President's impeachment for the first time in December 2016 and legally changed the regime through the presidential election in May 2017. The impeachment proceedings imposed by the National Assembly were cited by the Constitutional Court's ruling and the impeachment of the President was realized. More than 15 million people participated in candlelight vigils since the first protest (Ko, S., 2017). It means the political conflicts before the regime change in Korea were the most serious problems, and this is reflected by the fact that demographicrelated indicators have the lowest score in GC index. The EIU's (Economist Intelligence Unit) annual Democracy Index report actually showed that Korea was demoted to a "flawed democracy" from a "full democracy" under Park.

Korea's Overall governance ranking(26th) among

OECD countries has dropped rapidly compared to 2015(15th) and 2016(20th). Especially, ranking of indices related to democracy is lower than score ranking of indicators related to government's competency. Besides, throughput(17th) focusing on government's administrative capacity is much stronger than outcome(32nd) as seeing ranking by policy stage. It means that the problems of the political sphere weakened the government's capability and led to low performance in outcome.

Domestic and international evaluations democracy in Korea have been positive since the country underwent tremendous political changes (The Korean Times, Feb. 2017). So the undervaluation of the political part, which was the most problematic part, is likely to improve in the near future. However, Korea has to pursue minimization of political conflicts for the purpose of developing governance because the conflict among different generations in Korea has intensified. Also, economic problems related to the North Korean nuclear issue, the FTA with the US, and the China's restriction on trades as the cope with the THAAD (Terminal High Altitude Area Defense) deployment in Korea caused the social conflicts related to political positions, which are not optimistic.

Safety

The main response of the Korean government since the occurrence of the Sewol Ferry incident establish ministry was а Ministry of Public Safety and Security. Although it has been pointed out that the response to the national disaster situation needs to improve the fundamental system and related workers' awareness, the government's response has been limited to restructuring the organization itself. In the end, improving the fundamental system and related workers' awareness became a top priority for reorganizing the government after the presidential election. Most of the functions of the Ministry of Public Safety and Security returned to the ministries that they originally belonged to. As a result in 2016, Korea's disaster management and response functions measured by the 2017 GC index did not change much; this is a problematic founding since newly created organization in government to support this task is not reflected for any positive change.

However, the overall safety ranking of Korea(21st) has improved compared to the ranking of 2016(22nd). Among the indicators in the safety area, the highest rankings are 'Crime and rebellion' indicators. As Korea is known to be a country of good security, the ranking(5th) of related indicator show reasonable result. On the other hand, the index results related to 'industrial accidents' remained high(11th). It is remarkable that Korea's industrial accident related work is not the task for the Ministry of Public Security (Ministry of Public Administration and Security) but for the Ministry of Employment and Labor. This implies that the roles of other government departments, rather than the role of the newly established organization, were more influential in the ranking of safety.

Korea's low-ranking(29th) sub-group includes natural disaster-related indicators. Although the frequency of natural disasters such as typhoons and floods is high, it seems to be the reason for the low ranking to have been relatively underestimated in response ability after disasters. Since the mid-2000s, Korea has been promoting the Four Rivers Project for the prevention of floods such as floods as a national project, but the controversy over its effects and adverse effects continues to the present. The low ranking of the natural disaster area shows that this controversy comes from a reasonable doubt. Therefore, the Korean government should move away from the existing approach to disaster prevention and make more efforts to better prepare for immediate and prompt response after the occurrence of disaster.

Education

Since 2014, Korea has enacted the Law for Normalization of Public Education, which prohibits educational institutions to require students to be knowledgeable of materials outside of normal school curriculum. Korea's education, which was regarded as the "ladder of hierarchical movement" in the past, has recently been pointed out as a cause of social polarization. This is due to the fact that the market for private education has been strengthened since the 2000s and people who cannot afford such expensive education outside of normal schooling had disadvantage of being accepted into prestigious colleges in Korea.

However, this 'Public Education Normalization Act' has been criticized for only limiting the use of prior learning within schools, while the private education companies that offer such services do not face any kind of penalty. In addition, more confusion has been created when the colleges, which have the authority to design the entrance exam, made questionnaires more difficult than the high school curriculum. In this structure, students and parents who are eager to pass entrance exams are forced to rely more on private tutoring. Therefore, it seems clear that a government role is needed to strengthen public education and provide fair quality education for all.

Korea ranked 3 steps higher in Education area of GC compared to last year(from 30th to 27th). Since GC score has been measured, the scores of education area in Korea have been in the low side continuously. Especially, the ranking 'government involving' among sub-groups of 'education' is the lowest(32nd). This also means that the role of government in the education sector in Korea is less than that of other OECD countries. This is also true to the 'education infrastructure' area(29th). This phenomenon is also evident by the lowest level of indicators (33rd) in the 'throughput' stage of policy.

While Korea is famous for people's high interest in education, the role of government in the education sector is not yet significant. Educational performance, which is a relatively high-ranking sub-group, also appears to be derived from indicators, such as an employment rate according to the economic situation, rather than the effect of education. Besides, the achievement of Korean

education is not only a question of how many people have received education and trained suitable to the country's economic level and situation, but also the current awareness of whether they are going to go to top universities or win the national competitions, such as World Olympiad contest. Therefore, it seems necessary for Korea to follow the social consensus on the purpose of education itself and design policy that coincide accordingly.

Environment

Recently, Koreans became alert of the condition of air, since fine and ultrafine dust grew as a major environmental issue. Korea's ultrafine dust concentration is the highest (with worst air condition) among the OECD countries, making air purifiers an indispensable appliance in most households. The four major rivers in South Korea are still suffering from water pollution, and the renewable energy sector is staying on the pace.

As a result, Korea has ranked 21st in the environment policy area of GC index in 2017, which shows no significant change for the third consecutive year.

First, Korean government is actively engaged in policy such as environmental-related taxes, which is a government's enforcement of taxation on actions/businesses against the well-being of environment. Despite the increasing demand from the international community for environmentally friendly energy policy, Korea still relies heavily on coal and nuclear power plants, which is not safe or environmentally friendly.

The new government plans to promote ecofriendly and sustainable renewable and natural gas development, instead of stopping the addition of nuclear power plants that threaten national security and reducing the proportion of coal-fired power generation that causes inhibition of national health and environmental problems. It is necessary to watch whether the level of renewable energy indicators will improve in the future. The output and outcome sectors of this year are lower than those of input and throughout. These results are similar to those of the recent three years. This is a predictable result since Korea is a latecomer to OECD countries. In the end, it is time for the government to take a long-term perspective and it is time to shift the paradigm beyond economic logic.

Agriculture and Food

Living as farmer is difficult, yet the controversy of GMO food continues to grow. On the other hand, it is difficult for consumers to be free from food safety concerns. It is because the problem surrounding the food that is indispensable for human life. Koreans concern about such issue appeared as low ranking of Agriculture GC index in 2017. This year Korea ranked 29th, down from 11th in the previous year.

The sudden drop may be due to the relative ranking of GC Index, but it is fundamentally a clear indicator that Korea government lacks efforts to increase its competitiveness in agriculture and food sector. Regardless of this result, Korea's strengths and weaknesses are similar to those of the past.

The productivity of agricultural food sector of Korea, such as industrial competitiveness, is still low among OECD countries. Because Korea lacks natural resources, its ranking in the field of resources is inevitably low. However, many of the countries with high competitiveness maintain high productivity even though they are not ranked high in the resource sector. Given this, Korea should also focus on the essential ways to increase added value. To do so, producers' protection-oriented policies should be limited, since it is not helpful for the nation's agriculture sector competitiveness.

However, except for the producer protection policy, Korea ranked low in Institution and Finance area. As pointed out earlier in the GC report, consumer-oriented policies are still out of main focus. As a result, the government competitiveness in the agricultural and food

sector will change in the future depending on how past policy of producer-centered protection changes.

Culture and Tourism

Since 2010, Korean culture industry has been led by outperforming game industry, while Korea's tourism market has been occupied by Chinese tourists. This year Korea ranked as 21st in Culture and Tourism sector of GC Index, which is a rise from ranking 25th from the previous year. In detail, it ranked 9th in cultural goods sector and 24th in tourism sector.

Korea's cultural contents exports are steadily increasing, and it is expected that exports will expand in the future. This result of cultural goods sector has a great power in that it ranked high in the Government Competitiveness Index, which presents culture-related indicators related to import-export between countries.

In 2016, the number of foreign tourists visiting Korea reached about 17 million, the highest level ever. Especially, the number of Chinese tourists has grown steeply since 2013, and the contribution of Chinese tourists to the quantitative growth of 2016 is huge.

However, tourism revenues spent by foreign tourists visiting Korea are on a declining trend, and tourism revenues have fallen due to the increasing Korean overseas travelers. The rate of revisiting was 7.5% lower than in 2015, and the duration of stay in Korea was shortened by 0.2 days. In other words, it is true that quantitative growth, which is the increase in the number of foreign tourists, has been achieved, but the limit is revealed in terms of quality.

Korea is currently confronting serious problem for the future. Due to THAAD, tensions between Korea and China have formed, and tourism sector is expected to suffer greatly in the future. Although it is not included in the results of this year, Korea's tourism revenues are expected to decline due to the decrease in the number of Chinese tourists.

Most importantly, it is necessary to develop a

variety of tourism programs from the current shopping-oriented tourism program. According to the Survey on Foreign Tourists, many foreign tourists have started to take interest in a new way of sightseeing, experiencing and enjoying Korea, definitely not only with the shopping-oriented way. Also, it is already a long-standing fact that these new tourism program can contribute to the expansion of tourism income. Now seems like a right time for the moment when a paradigm shift is necessary in tourism policy.

Health & Welfare

The overall ranking of Korea's Health and Welfare is unchanged at 31st. The most important issue in this field is the basic pension for the elderly and childcare support policy.

It is expected to have stronger voice for welfare and policy demand requested from the elderly populations, since this population is growing rapidly. On the other hand, the problem of low birth rate, which is happening at the same time, is the most serious problem that Korean society faces today. Recently, policies that have changed most in relation to the health and welfare policies in Korea are for supporting the elderly and child care.

In fact, it is possible that Korea's interest in this specific welfare sector has not been sufficiently reflected in the calculation of the GC index. This is because the indicators of 'health' and 'welfare' sector of the index include not simply 'welfare', but more of 'health' related indicators. This is one of the limitations of the data collecting for this study, since data from evaluated countries is limited. Therefore, this restriction should be considered when understating the low ranking of Korea in Health and Welfare area. Nonetheless, this indicator is divided into two sub-groups, 1) the system of health and welfare and 2) life and death, which Korea ranked 30th and 27th respectively. all of which are the lowest among OECD countries.

Finally a suggestion to enhance the GC ranking of Korea's health and welfare sector is to take

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consideration for the people in the class of receiving basic pension, which guarantees the least quality of life, more into account when designing policies. Also, greater effort should be made for developing and collecting diverse yet solid data on this topic; our study is expected to grow continuously and more in-depth analysis will be possible next year.

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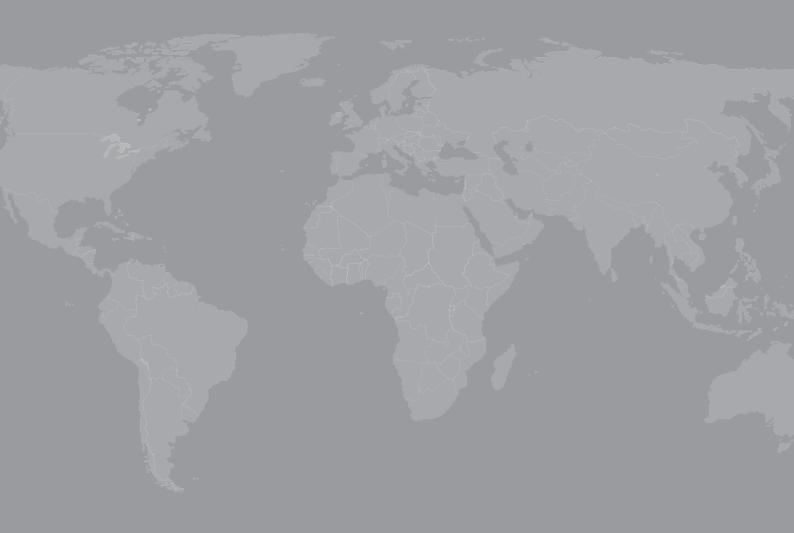
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Government Competitiveness of Korea

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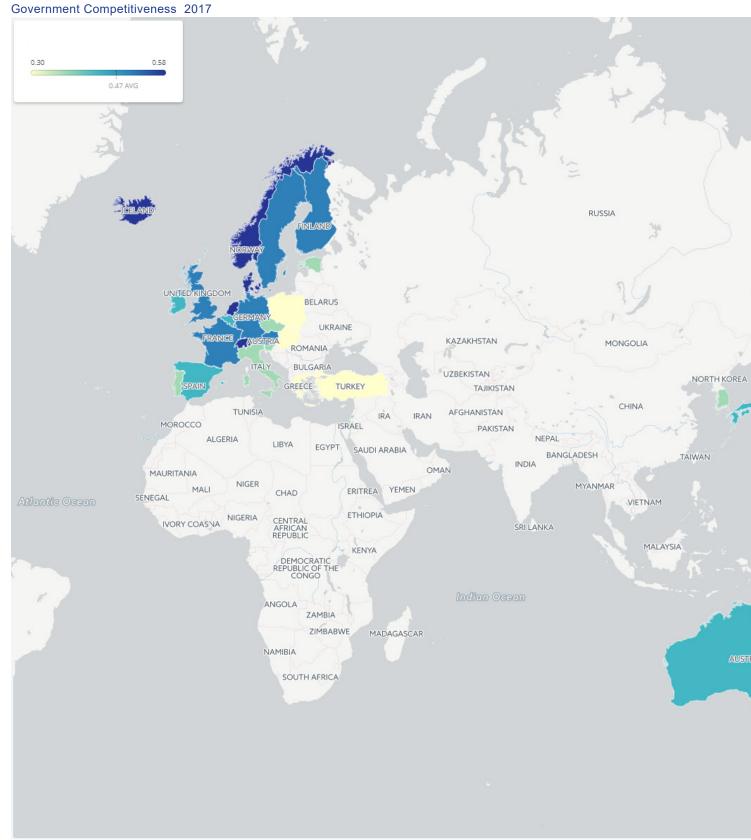


Part 3. 2017 Government Competitiveness Results 1. Rankings of OECD Countries

Switzerland
Netherlands
New Zealand
Norway
United States
Denmark
Sweden
Germany
Finland
France
United Kingdom

Luxembourg
Australia
New Zealand
Ireland
Australia
Belgium
Spain
Canada
Japan
Estonia
Portugal

Italy
Slovenia
Czech Rep.
Slovak Rep.
Poland
Greece
Hungary
Chile
Mexico
Turkey



Iceland Switzerland Netherlands New Zealand Norway United States

Denmark Sweden Germany Finland France United Kingdom Luxembourg Australia New Zealand Ireland Australia Belgium

Spain Canada Japan Estonia Portugal Korea, Rep. Italy Slovenia Czech Rep. Slovak Rep. Poland Greece

Hungary Chile Mexico Turkey

2017 GC Results: OECD Countries GREENLAND GUATEMALA PANAMA VENEZUELA SURINAME COLOMBIA Pocific Ocean ECUADOR BRAZIL BOLIVIA PARAGUAY CHILE ARGENTINA

2017 OECD Government Competitiveness Score

Government Competitiveness Rankings 2016-2017: OECD Countries

Country	2017	2016	Change	Country	2017	2016	Change
Iceland	1	7	6	Spain	18	22	4
Switzerland	2	2	0	Canada	19	13	-6
Netherlands	3	8	5	Japan	20	18	-2
Norway	4	1	-3	Israel	21	23	2
United States	5	6	1	Estonia	22	16	-6
Denmark	6	11	5	Portugal	23	26	3
Sweden	7	3	-4	Korea, Rep.	24	21	-3
Germany	8	10	2	Italy	25	27	2
Finland	9	9	0	Slovenia	26	24	-2
France	10	19	9	Czech Rep.	27	25	-2
United Kingdom	11	15	4	Slovak Rep.	28	31	3
Luxembourg	12	5	-7	Poland	29	30	1
Austria	13	12	-1	Greece	30	28	-2
New Zealand	14	4	-10	Hungary	31	29	-2
Ireland	15	20	5	Chile	32	32	0
Australia	16	14	-2	Mexico	33	33	0
Belgium	17	17	0	Turkey	34	34	0

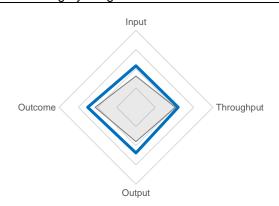
Iceland 1/34

	Rank/34	Score(0-1)	Capital City	Reykjavik
2016-17 Government Competitiveness	1	0.577	Population	334,252 (2016 est.)
2015-16 Government Competitiveness	7	0.537	GDP (PPP)	17,180,193,982 USD (2016 est.)
2014-15 Government Competitiveness	11	0.559	Unemployment rate	3.98% (2015 est.)
2013-14 Government Competitiveness	15	0.549	Constitutional Form	Republic

GC Ranking by Area



Iceland	OECD Avg.
	3



Iceland	OECD Avg.			
	Rank	Score		
Input	1	0.539		
Throughput	15	0.548		
Output	1	0.593		
Outcome	6	0.628		

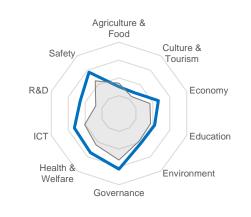
	Rank	Score	Subgroup	Rank
			Agriculture Resources	27
Agriculture & Food	33	0.288	Institution & Finance	23
G. 1 000		Productivi R	Productivity	12
Culture	0	0.202	Cultural Goods	31
& Tourism	0	Agriculture Resources Institution & Finance Productivity Cultural Goods Tourism Economic Institution & Pol 0.612 Economic Equity Economic Fundamental Education Infrastructure 0.726 Education Performance Government Involvement Environmental Health Renewable Energy Resource Protection Democracy 0.820 Government Competency Rule of Law Health & Welfare System Life and Death ICT Promotion 0.655 ICT Scale ICT Utilization Academic R&D Governmental R&D Governmental R&D Governmental R&D	Tourism	4
			Economic Institution & Policy	2
Economy	1	0.612	Economic Equity	1
			Economic Fundamental	7
			Education Infrastructure	2
Education	1	0.726	Education Performance	1
			Government Involvement	7
			Environment Behavior	34
F	40		Environmental Health	23
Environment	18			1
			Resource Protection	6
	6	0.820	Democracy	2
Governance			Government Competency	11
			Rule of Law	12
Health	4	0.700	Health & Welfare System	3
& Welfare	1	0.722	Life and Death	6
			ICT Promotion	17
ICT	9	0.655	ICT Scale	1
			ICT Utilization	13
			Academic R&D	15
R&D	12	0.403	Entrepreneurial R&D	15
			Governmental R&D	21
			Crime & Warfare	4
Cofoty	7	0.000	Industrial Disaster	22
Safety	7	0.662	Natural Disaster Management	2
			Safety in Public Health	17

Switzerland

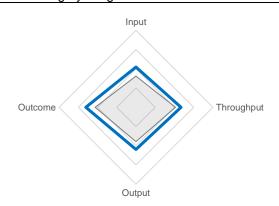
2/34

	Rank/34	Score(0-1)	Capital City	Bern
2016-17 Government Competitiveness	2	0.577	Population	8,372,098 (2016 est.)
2015-16 Government Competitiveness	2	0.555	GDP (PPP)	526,449,749,808 USD (2016 est.)
2014-15 Government Competitiveness	3	0.602	Unemployment rate	4.55% (2015 est.)
2013-14 Government Competitiveness	7	0.586	Constitutional Form	Republic

GC Ranking by Area



SwitzerlandOECD Avg.



	Switzeriand	■ OECD Avg.
	Rank	Score
Input	2	0.523
Throughput	9	0.585
Output	3	0.547
Outcome	2	0.652

Agriculture & Food 23 0.376 Institution & Finance 25 & Food 23 0.376 Institution & Finance 25 Productivity 27 Culture & Tourism 9 0.361 Cultural Goods 8 & Tourism 9 Economic Institution & Policy 3 Economy 2 0.581 Economic Equity 15 Economic Fundamental 2 Education Infrastructure 33 Education Performance 7 Government Involvement 12 Environmental Health 2 Environmental Health 2 Resource Protection 10 Democracy 15 Governance 9 0.781 Government Competency 9 Resource Protection 10 Democracy 15 Government Competency 9 Rule of Law 3 Health & Welfare System 13 Life and Death 1 ICT Promotion 7 ICT Scale 8 R&D 1 Academic R&D		Rank	Score	Subgroup	Rank			
& Food 23 0.376 Institution & Finance 25 Productivity 27 Culture & Tourism 9 0.361 Cultural Goods 8 & Tourism 9 Economic Institution & Policy 3 Economy 2 0.581 Economic Equity 15 Economic Fundamental 2 Education Infrastructure 33 Education Infrastructure 33 Education Performance 7 Government Involvement 12 Environment Behavior 15 Environment Behavior 15 Environmental Health 2 Resource Protection 10 Democracy 15 Resource Protection 10 Democracy 15 Government Competency 9 Rule of Law 3 Health Welfare 4 0.680 Health & Welfare System 13 & Welfare 4 0.680 ICT Scale 8 ICT Promotion 7 ICT Scale 8 ICT Utilization 9 A				Agriculture Resources	18			
Productivity 27		23	0.376	Institution & Finance	25			
Safety 2 0.361 Tourism 9 Economic Institution & Policy 3 Economic Institution & Policy 3 Economic Equity 15 Economic Fundamental 2 Education Infrastructure 33 Education Infrastructure 33 Education Infrastructure 33 Education Infrastructure 34 Education Performance 7 Government Involvement 12 Environment Behavior 15 Environment Health 2 Renewable Energy 5 Resource Protection 10 Democracy 15 Government Competency 9 Rule of Law 3 Health & Welfare 3 Health & Welfare System 13 Life and Death 1 ICT Promotion 7 ICT 8 0.658 ICT Scale 8 ICT Utilization 9 Academic R&D 1 Academic R&D 3 Governmental R&D 9 Crime & Warfare 14 Industrial Disaster 17 Natural Disaster Management 3 3 Safety 2 0.716 Natural Disaster Management 3 3 Safety 3 Safety				Productivity	27			
Tourism Tourism Seconomic Institution & Policy 3	Culture	0	0.264	Cultural Goods	8			
Economy 2 0.581 Economic Equity 15 Economic Fundamental 2 Education Infrastructure 33 Education 11 0.526 Education Performance 7 Government Involvement 12 Environment Behavior 15 Environmental Health 2 Renewable Energy 5 Resource Protection 10 Democracy 15 Government Competency 9 Rule of Law 3 Health & Welfare 4 0.680 Health & Welfare System 13 Life and Death 1 ICT Promotion 7 ICT 8 0.658 ICT Scale 8 ICT Utilization 9 Academic R&D 1 R&D 1 Environmental R&D 9 Crime & Warfare 14 Industrial Disaster 17 Natural Disaster Management 3 Natural Disaster Natural Dis	& Tourism	9	0.361	Tourism	9			
Economic Fundamental 2 Education Infrastructure 33 33 Education 11 0.526 Education Performance 7 Government Involvement 12 Environment Behavior 15 Environmental Health 2 Renewable Energy 5 Resource Protection 10 Democracy 15 Government Competency 9 Rule of Law 3 Health & Welfare 4 0.680 Health & Welfare System 13 Life and Death 1 ICT Promotion 7 ICT 8 0.658 ICT Scale 8 ICT Utilization 9 Academic R&D 1 R&D 3 Governmental R&D 9 Crime & Warfare 14 Industrial Disaster 17 Natural Disaster Management 3 3 Natural Disaster Management 3 Na				Economic Institution & Policy	3			
Education 11	Economy	2	0.581	Economic Equity	15			
Education 11 0.526 Education Performance 7 Government Involvement 12 Environment Behavior 15 Environment Behavior 15 Environmental Health 2 Renewable Energy 5 Resource Protection 10 Democracy 15 Government Competency 9 Rule of Law 3 Health & Welfare System 13 Welfare 4 0.680 Health & Welfare System 13 Life and Death 1 ICT Promotion 7 ICT 8 0.658 ICT Scale 8 ICT Utilization 9 Academic R&D 1 R&D 1 0.573 Entrepreneurial R&D 3 Governmental R&D 9 Crime & Warfare 14 Industrial Disaster 17 Natural Disaster Management 3				Economic Fundamental	2			
Covernment Involvement 12				Education Infrastructure	33			
Environment 13 0.518 Environment Behavior 15 Environmental Health 2 Renewable Energy 5 Resource Protection 10 Democracy 15 Government Competency 9 Rule of Law 3 Health & Welfare 4 0.680 Health & Welfare System 13 Life and Death 1 ICT Promotion 7 ICT 8 0.658 ICT Scale 8 ICT Utilization 9 Academic R&D 1 R&D 1 0.573 Entrepreneurial R&D 3 Governmental R&D 9 Crime & Warfare 14 Industrial Disaster 17 Natural Disaster Management 3	Education	11	0.526	Education Performance	7			
Environment 13 0.518				Government Involvement	12			
Environment 13 0.518 Renewable Energy 5 Resource Protection 10 Democracy 15 Governance 9 0.781 Government Competency 9 Rule of Law 3 Health & Welfare System 13 Life and Death 1 ICT Promotion 7 ICT Scale 8 ICT Utilization 9 Academic R&D 1 R&D 1 0.573 Entrepreneurial R&D 3 Governmental R&D 9 Crime & Warfare 14 Industrial Disaster 17 Natural Disaster Management 3				Environment Behavior	15			
Renewable Energy 5 Resource Protection 10		40	0.540	Environmental Health				
Democracy 15	Environment	13		Renewable Energy	5			
Governance 9 0.781 Government Competency 9 Rule of Law 3 Health & Welfare System 13 Life and Death 1 ICT Promotion 7 ICT Scale 8 ICT Utilization 9 Academic R&D 1 R&D 1 O.573 Entrepreneurial R&D 3 Governmental R&D 9 Crime & Warfare 14 Industrial Disaster 17 Natural Disaster Management 3				Resource Protection	10			
Rule of Law 3				Democracy	15			
Health & Welfare 4 0.680 Health & Welfare System 13 Life and Death 1 1 ICT Promotion 7 ICT Scale 8 ICT Utilization 9 Academic R&D 1 R&D 1 O.573 Entrepreneurial R&D 3 Governmental R&D 9 Crime & Warfare 14 Industrial Disaster 17 Natural Disaster Management 3	Governance	9	0.781	Government Competency	9			
A				Rule of Law	3			
& Welfare Life and Death 1 ICT Promotion 7 ICT Promotion 7 ICT Scale 8 ICT Utilization 9 Academic R&D 1 R&D 1 O.573 Entrepreneurial R&D 3 Governmental R&D 9 Crime & Warfare 14 Industrial Disaster 17 Natural Disaster Management 3	Health		0.000	Health & Welfare System	13			
ICT 8 0.658 ICT Scale 8 ICT Utilization 9 Academic R&D 1 R&D 1 0.573 Entrepreneurial R&D 3 Governmental R&D 9 Crime & Warfare 14 Industrial Disaster 17 Natural Disaster Management 3	& Welfare	4	0.680	Life and Death	1			
ICT Utilization 9				ICT Promotion	7			
R&D 1 0.573 Academic R&D 1 Entrepreneurial R&D 3 Governmental R&D 9 Crime & Warfare 14 Industrial Disaster 17 Natural Disaster Management 3	ICT	8	0.658	ICT Scale	8			
R&D 1 0.573 Entrepreneurial R&D 3 Governmental R&D 9 Crime & Warfare 14 Industrial Disaster 17 Natural Disaster Management 3				ICT Utilization	9			
Governmental R&D 9 Crime & Warfare 14 Industrial Disaster 17 Natural Disaster Management 3				Academic R&D	1			
Crime & Warfare 14 Industrial Disaster 17 Natural Disaster Management 3	R&D	1	0.573	Entrepreneurial R&D	3			
Safety 2 0.716 Industrial Disaster 17 Natural Disaster Management 3				Governmental R&D	9			
Safety 2 0.716 Natural Disaster Management 3				Crime & Warfare	14			
Natural Disaster Management 3	0.4.		0.740	Industrial Disaster	15 2 5 10 15 9 3 13 1 7 8 9 1 3 9 14 17 ent 3			
Safety in Public Health 1	Safety	2	0.716	Natural Disaster Management	3			
				Safety in Public Health	1			

Netherlands

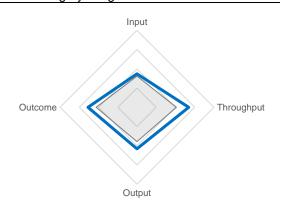
3/34

	Rank/34	Score(0-1)	Capital City	Amsterdam
2016-17 Government Competitiveness	3	0.571	Population	17,018,408 (2016 est.)
2015-16 Government Competitiveness	8	0.533	GDP (PPP)	866,204,439,716 USD (2016 e
2014-15 Government Competitiveness	2	0.602	Unemployment rate	6.87% (2015 est.)
2013-14 Government Competitiveness	2	0.626	Constitutional Form	Constitutional monarchy

GC Ranking by Area



■ Netherlands
■ OECD Avg.



	nemenanus	OECD Avg.
	Rank	Score
Input	12	0.435
Throughput	1	0.672
Output	4	0.539
Outcome	5	0.637

	Rank	Score	Subgroup	Rank
			Agriculture Resources	14
Agriculture & Food	11	0.481	Institution & Finance	1
			Productivity	4
Culture	17	0.287	Cultural Goods	5
& Tourism	17	0.267	Agriculture Resources Institution & Finance Productivity Cultural Goods Tourism Economic Institution & Policy Economic Equity Economic Fundamental Education Infrastructure Education Performance Government Involvement Environmental Health Renewable Energy Resource Protection Democracy Government Competency Rule of Law Health & Welfare System Life and Death ICT Promotion ICT Scale ICT Utilization Academic R&D Governmental R&D Governmental R&D Crime & Warfare Industrial Disaster	22
			Economic Institution & Policy	10
Economy	11	0.509	Economic Equity	8
			Economic Fundamental	10
			Education Infrastructure	26
Education	13	0.518	Education Performance	15
		Government Involvement		5
			Environment Behavior	23
-	6	0.542	Environmental Health	4
Environment		0.542	Renewable Energy	14
			Resource Protection	18
			Democracy	7
Governance	7	0.812	Government Competency	7
			Rule of Law	4
Health			Health & Welfare System	1
& Welfare	2	0.713	Life and Death	5
			ICT Promotion	8
ICT	4	0.690	ICT Scale	10
			ICT Utilization	3
			Academic R&D	9
R&D	3	0.474	Entrepreneurial R&D	8
			Governmental R&D	3
			Crime & Warfare	8
Cafata	0	0.000	Industrial Disaster	5
Safety	3	0.683	Natural Disaster Management	9
			Safety in Public Health	5

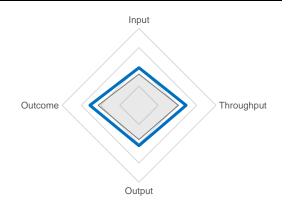
Norway 4/34

	Rank/34	Score(0-1)	Capital City	Oslo
2016-17 Government Competitiveness	4	0.566	Population	5,232,929 (2016 est.)
2015-16 Government Competitiveness	1	0.593	GDP (PPP)	310,321,429,960 USD (2016 est.)
2014-15 Government Competitiveness	5	0.596	Unemployment rate	4.30% (2015 est.)
2013-14 Government Competitiveness	5	0.598	Constitutional Form	Constitutional monarchy

GC Ranking by Area







ш	Norway	■ OECD Avg.
	Rank	Score
Input	3	0.488
Throughput	4	0.612
Output	6	0.524
Outcome	4	0.638

	Rank	Score	Subgroup	Rank
			Agriculture Resources	33
Agriculture & Food	22	0.377	Institution & Finance	27
a 1 00a			Productivity	19
Culture	4.4	0.206	Cultural Goods	16
& Tourism	14	0.306	Tourism	16
			Economic Institution & Policy	1
Economy	3	0.576	Economic Equity	4
			Economic Fundamental	11
			Education Infrastructure	28
Education	5	0.591	Education Performance	6
			Government Involvement	4
			Environment Behavior	25
Environment	16	0.502	Environmental Health	14
Environment		0.502	Renewable Energy	2
			Resource Protection	14
			Democracy	1
Governance	2	0.883	Government Competency	2
			Rule of Law	8
Health	5	0.667	Health & Welfare System	10
& Welfare	5	0.667	Life and Death	2
			ICT Promotion	4
ICT	7	0.679	ICT Scale	4
			ICT Utilization	10
			Academic R&D	14
R&D	11	0.406	Entrepreneurial R&D	13
			Governmental R&D	7
			Crime & Warfare	2
Cofoty	5	0.667	Industrial Disaster	24
Safety	Э	0.007	Natural Disaster Management	11
			Safety in Public Health	3

United States

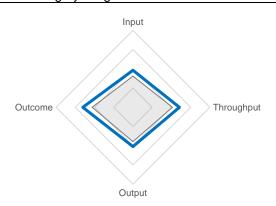
5/34

	Rank/34	Score(0-1)	Capital City	Washington, D.C.
2016-17 Government Competitiveness	5	0.562	Population	323,127,513 (2016 est.)
2015-16 Government Competitiveness	6	0.541	GDP (PPP)	18,569,100,000,000 USD (2016 est.)
2014-15 Government Competitiveness	4	0.602	Unemployment rate	5.28% (2015 est.)
2013-14 Government Competitiveness	1	0.649	Constitutional Form	Republic

GC Ranking by Area



United States
OECD Avg.



	United States	OECD Avg.
	Rank	Score
Input	4	0.481
Throughput	5	0.604
Output	8	0.510
Outcome	1	0.653

Agriculture & Food 4 0.542 [Institution & Finance] 25 & Food 1 0.542 [Institution & Finance] 3 [Productivity] 5 Culture & Tourism 1 0.758 [Institution & Finance] 1 [Institution & Finance] 2 [Institution & Finance] <th></th> <th>Rank</th> <th>Score</th> <th>Subgroup</th> <th>Rank</th>		Rank	Score	Subgroup	Rank
& Food 4 0.342 Institution & Finance 3 Productivity 5 Culture & Tourism 1 0.758 Cultural Goods 1 Economic Institution & Policy 33 Economic Institution & Policy 33 Economic Fundamental 1 Education Infrastructure 16 Education Infrastructure 16 Education Performance 13 Government Involvement 9 Environment Behavior 31 Environmental Health 29 Resource Protection 34 Democracy 16 Governance 19 0.643 Government Competency 17 Rule of Law 18 Health & Welfare System 25 & Welfare 21 0.510 Health & Welfare System 25 & Welfare 21 0.693 ICT Scale 7 ICT Promotion 6 10 6 ICT Utilization 7 7 Academic R&D				Agriculture Resources	25
Productivity 5		4	0.542	Institution & Finance	3
Tourism 1 0.758 Tourism 2 Economic Institution & Policy 33				Productivity	5
Tourism Tourism 2 Economic Institution & Policy 33	Culture	1	0.759	Cultural Goods	1
Economy 18	& Tourism	'	0.756	Tourism	2
Economic Fundamental 1				Economic Institution & Policy	33
Education 12	Economy	18	0.444	Economic Equity	30
Education 12 0.519 Education Performance Government Involvement 13 Environment Involvement 9 Environment Involvement 9 Environment Behavior 31 31 Environment Behavior 31 29 Renewable Energy 29 29 Resource Protection 34 Democracy 16 Government Competency 17 Rule of Law 18 Health & Welfare System 25 Life and Death 31 ICT Promotion 6 ICT Scale 7 ICT Utilization 7 Academic R&D 6 R&D 2 O.482 Entrepreneurial R&D 1 Governmental R&D 15 Crime & Warfare 17 Industrial Disaster 3 Natural Disaster Management 10				Economic Fundamental	1
Covernment Involvement 9				Education Infrastructure	16
Environment 31 0.371	Education	12	0.519	Education Performance	13
Environment 31 0.371 Environmental Health Renewable Energy 29 Resource Protection 34 Democracy 16 Governance 19 0.643 Government Competency 17 Rule of Law 18 Health & Welfare System 25 Life and Death 31 ICT Promotion 6 ICT Scale 7 ICT Utilization 7 Academic R&D 6 R&D 2 0.482 Entrepreneurial R&D 1 Governmental R&D 15 Crime & Warfare 17 Industrial Disaster 3 Natural Disaster Management 10				Government Involvement	9
Environment 31 0.371 Renewable Energy 29 Resource Protection 34 Democracy 16 Governance 19 0.643 Government Competency 17 Rule of Law 18 Health Welfare System 25 Life and Death 31 ICT Promotion 6 ICT Scale 7 ICT Utilization 7 Academic R&D 6 R&D 2 0.482 Entrepreneurial R&D 1 Governmental R&D 15 Crime & Warfare 17 Industrial Disaster 3 Natural Disaster Management 10				Environment Behavior	31
Renewable Energy 29 Resource Protection 34 Democracy 16 Governance 19 0.643 Government Competency 17 Rule of Law 18 Health & Welfare System 25 Life and Death 31 ICT Promotion 6 ICT Promotion 6 ICT Utilization 7 Academic R&D 6 R&D 2 0.482 Entrepreneurial R&D 1 Governmental R&D 15 Crime & Warfare 17 Industrial Disaster 3 Natural Disaster Management 10	F	31	0.074	Environmental Health	29
Democracy 16	Environment		0.371	Renewable Energy	29
Governance 19 0.643 Government Competency 17 Rule of Law 18 Health & Welfare System 25 Life and Death 31 ICT Promotion 6 ICT Scale 7 ICT Utilization 7 Academic R&D 6 R&D 2 O.482 Entrepreneurial R&D 1 Governmental R&D 15 Crime & Warfare 17 Industrial Disaster 3 Natural Disaster Management 10				Resource Protection	34
Rule of Law				Democracy	16
Health & Welfare 21 0.510 Health & Welfare System 25 Life and Death 31 ICT Promotion 6 ICT Scale 7 ICT Utilization 7 Academic R&D 6 R&D 2 0.482 Entrepreneurial R&D 1 Governmental R&D 15 Crime & Warfare 17 Industrial Disaster 3 Natural Disaster Management 10	Governance	19	0.643	Government Competency	17
& Welfare 21 0.510 Life and Death 31 ICT ICT Promotion 6 ICT 3 0.693 ICT Scale 7 ICT Utilization 7 Academic R&D 6 R&D 2 0.482 Entrepreneurial R&D 1 Governmental R&D 15 Crime & Warfare 17 Industrial Disaster 3 Natural Disaster Management 10				Rule of Law	18
& Welfare Life and Death 31 ICT Promotion 6 ICT Promotion 6 ICT Scale 7 ICT Utilization 7 Academic R&D 6 Entrepreneurial R&D 1 Governmental R&D 15 Crime & Warfare 17 Industrial Disaster 3 Natural Disaster Management 10	Health	04	0.540	Health & Welfare System	25
ICT 3 0.693 ICT Scale 7 ICT Utilization 7 Academic R&D 6 R&D 2 0.482 Entrepreneurial R&D 1 Governmental R&D 15 Crime & Warfare 17 Industrial Disaster 3 Natural Disaster Management 10	& Welfare	21	0.510	Life and Death	31
ICT Utilization 7				ICT Promotion	6
R&D 2 0.482 Entrepreneurial R&D 1 Governmental R&D 15 Crime & Warfare 17 Industrial Disaster 3 Natural Disaster Management 10	ICT	3	0.693	ICT Scale	7
R&D 2 0.482 Entrepreneurial R&D 1 Governmental R&D 15 Crime & Warfare 17 Industrial Disaster 3 Natural Disaster Management 10				ICT Utilization	7
Governmental R&D 15 Crime & Warfare 17 Industrial Disaster 3 Natural Disaster Management 10				Academic R&D	6
Crime & Warfare	R&D	2	0.482	Entrepreneurial R&D	1
Safety 8 0.658 Industrial Disaster 3 Natural Disaster Management 10				Governmental R&D	15
Safety 8 0.658 Natural Disaster Management 10				Crime & Warfare	17
Natural Disaster Management 10	0-1-1-		0.658	Industrial Disaster	3
Safety in Public Health 14	Sarety	8		Natural Disaster Management	10
				Safety in Public Health	14

Denmark

6/34

Rank

	Rank/34	Score(0-1)	Capital City
2016-17 Government Competitiveness	6	0.560	Population
2015-16 Government Competitiveness	11	0.519	GDP (PPP)
2014-15 Government Competitiveness	7	0.579	Unemployment
2013-14 Government Competitiveness	6	0.589	Constitutional F

 Capital City
 Copenhagen

 Population
 5,731,118 (2016 est.)

 GDP (PPP)
 284,813,453,896 USD (2016 est.)

Unemployment rate 6.17% (2015 est.)

Constitutional Form Constitutional monarchy

Score

Subgroup

Rank

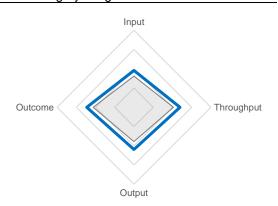
GC Ranking by Area



OECD Avg.

GC Ranking by Stage

Denmark



-	Denmark \square	OECD Avg.
	Rank	Score
Input	5	0.479
Throughput	6	0.598
Output	2	0.548
Outcome	8	0.614

			.	
			Agriculture Resources	9
Agriculture & Food	12	0.481	Institution & Finance	17
u 1 00u			Productivity	15
Culture	20	0.404	Cultural Goods	28
& Tourism	30	0.164	Tourism	29
			Economic Institution & Policy	7
Economy	5	0.557	Economic Equity	2
			Economic Fundamental	12
			Education Infrastructure	9
Education	2	0.658	Education Performance	8
			Government Involvement	1
			Environment Behavior	20
Environment	17	0.494	Environmental Health	11
Environment	17	0.494	Renewable Energy	11
			Resource Protection	15
			Democracy	5
Governance	1	0.905	Government Competency	1
			Rule of Law	1
Health	3	0.605	Health & Welfare System	2
& Welfare	3	0.695	Life and Death	7
			ICT Promotion	12
ICT	11	0.607	ICT Scale	5
			ICT Utilization	18
			Academic R&D	8
R&D	7	0.417	Entrepreneurial R&D	12
			Governmental R&D	5
			Crime & Warfare	7
Cafata	40	0.040	Industrial Disaster	32
Safety	13	0.618	Natural Disaster Management	19
			Safety in Public Health	6

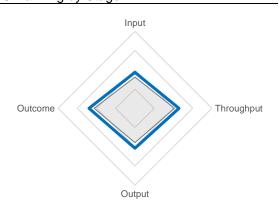
Sweden 7/34

	Rank/34	Score(0-1)	Capital City	Stockholm
2016-17 Government Competitiveness	7	0.539	Population	9,903,122 (2016 est.)
2015-16 Government Competitiveness	3	0.552	GDP (PPP)	486,984,675,459 USD (2016 est.)
2014-15 Government Competitiveness	1	0.606	Unemployment rate	7.43% (2015 est.)
2013-14 Government Competitiveness	3	0.616	Constitutional Form	Constitutional monarchy

GC Ranking by Area







	Sweden	OECD Avg.
	Rank	Score
Input	6	0.467
Throughput	10	0.572
Output	7	0.519
Outcome	15	0.597

Agriculture & Food 34 0.282 Agriculture Resources 32 & Food 34 0.282 Institution & Finance 17 & Food 25 0.203 Cultural Goods 21 & Tourism 25 Economic Institution & Policy 9 Economic Fundamental 13 Economic Fundamental 13 Education Infrastructure 7 Education Performance 4 Government Involvement 14 Environmental Health 10 Resource Protection 26 Environmental Health 10 Resource Protection 2 Democracy 4 Governance 3 0.830 Government Competency 3 Resource Protection 2 Democracy 4 Health & Welfare System 8 Life and Death 4 ICT Promotion 9 ICT Scale 6 ICT Utilization 4 Academic R&D 7 R&D 7 Entrepreneurial R&D 9 Governmental R&D 8 <th></th> <th>Rank</th> <th>Score</th> <th>Subgroup</th> <th>Rank</th>		Rank	Score	Subgroup	Rank
& Food 34 0.282 Institution & Finance 17 Productivity 32 Culture & Tourism 25 0.203 Cultural Goods 21 Economic Institution & Policy 9 Economic Institution & Policy 9 Economy 6 0.523 Economic Equity 7 Economic Fundamental 13 Education Infrastructure 7 Education Infrastructure 7 Education Performance 4 Government Involvement 14 Environment Behavior 26 Environment Behavior 26 Environmental Health 10 Resource Protection 2 Democracy 4 Governance 3 0.830 Government Competency 3 Rule of Law 11 Health & Welfare System 8 & Welfare 7 0.642 Health & Welfare System 8 & ICT Promotion 9 ICT Scale 6 ICT Scale 6 ICT Utilization 4 Academic R&D 7 <td></td> <td></td> <td></td> <td>Agriculture Resources</td> <td>32</td>				Agriculture Resources	32
Productivity 32		34	0.282	Institution & Finance	17
Economy 25 0.203 Tourism 25 Economic Institution & Policy 9	a 1 000			Productivity	32
Economy Fourism Economic Institution & Policy 9	Culture	05	0.000	Cultural Goods	21
Economy 6 0.523 Economic Equity 7 Economic Fundamental 13	& Tourism	25	0.203	Tourism	25
Economic Fundamental 13				Economic Institution & Policy	9
Education 6 0.587 Education Infrastructure 7	Economy	6	0.523	Economic Equity	7
Education 6 0.587 Education Performance 4 Government Involvement 14 Environment Behavior 26 Environment Behavior 26 Environmental Health 10 Renewable Energy 3 Resource Protection 2 Democracy 4 Government Competency 3 Rule of Law 11 Health & Welfare System 8 Life and Death 4 ICT Promotion 9 ICT Scale 6 ICT Utilization 4 Academic R&D 7 R&D 10 0.408 Entrepreneurial R&D 9 Governmental R&D 8 Crime & Warfare 19 Industrial Disaster 31 Natural Disaster Management 16				Economic Fundamental	13
Covernment 14 Environment 14 Environment 14 Environment 26 Environment 26 Environmental Health 10 Renewable Energy 3 Resource Protection 2 Democracy 4 Government 2 Government 2 Comparison 2 Covernment 2 Cove				Education Infrastructure	7
Environment 2 0.629	Education	6	0.587	Education Performance	4
Environment 2 0.629 Environmental Health Renewable Energy 10 Resource Protection 2 2 Democracy 4 4 Government Competency 3 Rule of Law 11 Health & Welfare System 8 Life and Death 4 ICT Promotion 9 ICT Scale 6 ICT Utilization 4 Academic R&D 7 R&D 10 0.408 Entrepreneurial R&D 9 Governmental R&D 8 Crime & Warfare 19 Industrial Disaster 31 Natural Disaster Management 16				Government Involvement	14
Environment 2 0.629 Renewable Energy 3 Resource Protection 2 Democracy 4 Governance 3 0.830 Government Competency 3 Rule of Law 11 Health & Welfare System 8 Life and Death 4 ICT Promotion 9 ICT Scale 6 ICT Utilization 4 Academic R&D 7 R&D 10 0.408 Entrepreneurial R&D 9 Governmental R&D 8 Crime & Warfare 19 Industrial Disaster 31 Natural Disaster Management 16				Environment Behavior	26
Renewable Energy 3 Resource Protection 2		2	0.000	Environmental Health	10
Democracy 4	Environment		0.629	Renewable Energy	3
Governance 3 0.830 Government Competency 3 Rule of Law 11				Resource Protection	2
Rule of Law				Democracy	4
Health & Welfare 7 0.642 Health & Welfare System 8 Life and Death 4 4 ICT Promotion 9 9 ICT Scale 6 ICT Utilization 4 Academic R&D 7 7 R&D 10 0.408 Entrepreneurial R&D 9 Governmental R&D 8 Crime & Warfare 19 Industrial Disaster 31 Natural Disaster Management 16	Governance	3	0.830	Government Competency	3
Totalina				Rule of Law	11
& Welfare Life and Death 4 ICT Promotion 9 ICT Promotion 9 ICT Scale 6 ICT Utilization 4 Academic R&D 7 R&D 10 0.408 Entrepreneurial R&D 9 Governmental R&D 8 Crime & Warfare 19 Industrial Disaster 31 Natural Disaster Management 16	Health	7	0.040	Health & Welfare System	8
ICT 6 0.682 ICT Scale 6 ICT Utilization 4 Academic R&D 7 R&D 10 0.408 Entrepreneurial R&D 9 Governmental R&D 8 Crime & Warfare 19 Industrial Disaster 31 Natural Disaster Management 16	& Welfare	,	0.642	Life and Death	4
ICT Utilization				ICT Promotion	9
R&D 10 0.408 Entrepreneurial R&D 9 Governmental R&D 8 Crime & Warfare 19 Industrial Disaster 31 Natural Disaster Management 16	ICT	6	0.682	ICT Scale	6
R&D 10 0.408 Entrepreneurial R&D 9 Governmental R&D 8 Crime & Warfare 19 Industrial Disaster 31 Natural Disaster Management 16				ICT Utilization	4
Governmental R&D 8 Crime & Warfare 19 Industrial Disaster 31 Natural Disaster Management 16				Academic R&D	7
Crime & Warfare 19 Industrial Disaster 31 Natural Disaster Management 16	R&D	10	0.408	Entrepreneurial R&D	9
Safety 16 0.602 Industrial Disaster 31 Natural Disaster Management 16				Governmental R&D	8
Safety 16 0.602 Natural Disaster Management 16				Crime & Warfare	19
Natural Disaster Management 16	Cafata	40	0.602	Industrial Disaster	31
Safety in Public Health 4	Sarety	16		Natural Disaster Management	16
				Safety in Public Health	4

Germany

8/34

	Rank/34	Score(0-1)	Capital City	Berlin
2016-17 Government Competitiveness	8	0.538	Population	82,667,685 (2016 est.)
2015-16 Government Competitiveness	10	0.527	GDP (PPP)	4,028,362,431,411 USD (2016
2014-15 Government Competitiveness	10	0.563	Unemployment rate	4.62% (2015 est.)
2013-14 Government Competitiveness	9	0.577	Constitutional Form	Republic

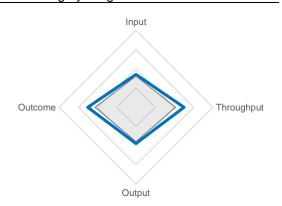
GC Ranking by Area



OECD Avg.

GC Ranking by Stage

Germany



	Germany	OECD Avg.
	Rank	Score
Input	14	0.427
Throughput	2	0.625
Output	16	0.471
Outcome	7	0.627

	Rank	Score	Subgroup	Rank
			Agriculture Resources	22
Agriculture & Food	8	0.501	Institution & Finance	4
G. 1 00G			Productivity	10
Culture	5	0.430	Cultural Goods	2
& Tourism	Э	0.430	Tourism	14
			Economic Institution & Policy	20
Economy	8	0.516	Economic Equity	16
			Economic Fundamental	3
			Education Infrastructure	25
Education	21	0.418	Education Performance	22
			Government Involvement	16
			Environment Behavior	19
Environment	2	0.564	Environmental Health	8
Environment	3	0.564	Renewable Energy	15
			Resource Protection	16
	11	0.750	Democracy	12
Governance			Government Competency	20
			Rule of Law	13
Health	20	0.540	Health & Welfare System	29
& Welfare	20	0.518	Life and Death	16
			ICT Promotion	19
ICT	15	0.571	ICT Scale	18
			ICT Utilization	11
			Academic R&D	11
R&D	6	0.427	Entrepreneurial R&D	6
			Governmental R&D	6
			Crime & Warfare	18
Cofoty	4	0.681	Industrial Disaster	1
Safety	4		Natural Disaster Management	13
			Safety in Public Health	9

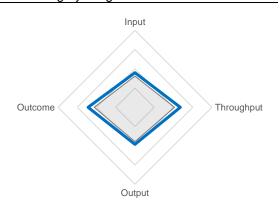
Finland 9/34

	Rank/34	Score(0-1)
2016-17 Government Competitiveness	9	0.532
2015-16 Government Competitiveness	9	0.529
2014-15 Government Competitiveness	6	0.590
2013-14 Government Competitiveness	4	0.610

GC Ranking by Area



☐ Finland ☐ OECD Avg.



☐ Finland	OECD Avg.			
	Rank	Score		
Input	10	0.450		
Throughput	8	0.589		
Output	13	0.481		
Outcome	9	0.610		

Agriculture	34 15
	15
	20
	29
& Tourism 32 0.158 Tourism 2	28
Economic Institution & Policy	6
Economy 10 0.514 Economic Equity	3
Economic Fundamental	26
Education Infrastructure	5
Education 8 0.563 Education Performance	9
Government Involvement 1	17
Environment Behavior 2	29
Environment 7 0.542 Environmental Health 1	15
	10
Resource Protection	5
Democracy	8
Governance 4 0.827 Government Competency	5
Rule of Law	2
Health & Welfare System 2	20
	14
ICT Promotion	3
ICT 2 0.703 ICT Scale	3
ICT Utilization	5
Academic R&D	3
R&D 9 0.414 Entrepreneurial R&D 1	14
Governmental R&D	4
Crime & Warfare	3
	33
	24
Safety in Public Health	7

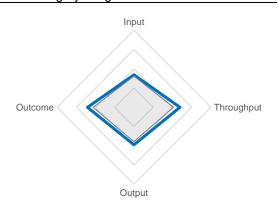
France 10/34

	Rank/34	Score(0-1)	Capital City	Paris
2016-17 Government Competitiveness	10	0.528	Population	66,896,109 (2016 est.)
2015-16 Government Competitiveness	19	0.479	GDP (PPP)	2,773,931,830,825 USD (2016 est.)
2014-15 Government Competitiveness	18	0.517	Unemployment rate	10.36% (2015 est.)
2013-14 Government Competitiveness	16	0.527	Constitutional Form	Republic

GC Ranking by Area



☐ France ☐ OECD Avg.



	France	☐ OECD Avg.			
	Rank	Score			
Input	16	0.422			
Throughput	7	0.597			
Output	10	0.487			
Outcome	12	0.604			

Agriculture & Food 3 0.546 Institution & Finance 4 & Food 3 0.546 Institution & Finance 4 Culture & Tourism 3 0.502 Cultural Goods 4 Tourism 5 Economic Institution & Policy 11 Economic Fundamental 18 Education Infrastructure 23 Education Performance 17 Government Involvement 15 Environmental Health 16 Resource Protection 3 Democracy 24 Governance 20 0.637 Government Competency 12 Rule of Law 26 Health & Welfare System 19 & Welfare 17 0.555 IcT Promotion 20 ICT Scale 20 ICT Scale 20 ICT Utilization 19 Academic R&D 18 R&D 14 0.392 Entrepreneurial R&D 11 Governmental R&D Crime & Warfare		Rank	Score	Subgroup	Rank
& Food 3 0.546 Institution & Finance 4 Productivity 8 Culture & Tourism 3 0.502 Cultural Goods 4 Tourism 5 Economic Institution & Policy 11 Economy 12 0.480 Economic Equity 17 Economic Fundamental 18 Education Infrastructure 23 Education Infrastructure 23 Education Performance 17 Government Involvement 15 Environment Behavior 16 Environment Behavior 16 Renewable Energy 19 Resource Protection 3 Democracy 24 Governance 20 0.637 Government Competency 12 Rule of Law 26 Health & Welfare System 19 Life and Death 15 ICT Promotion 20 ICT 10 0.539 ICT Scale 20 ICT Utilization 19 Academic R&D 11 Governmental R&D Crime & Warfare 25				Agriculture Resources	15
Productivity 8		3	0.546	Institution & Finance	4
Safety 11 0.624 Safety 11 12 0.502 Tourism 5 Economic Institution & Policy 11 Economy 12 0.480 Economic Equity 17 Economic Fundamental 18 Education Infrastructure 23 Education 16 0.476 Education Performance 17 Government Involvement 15 Environment Behavior 16 Environment Behavior 16 Environmental Health 16 Renewable Energy 19 Resource Protection 3 Democracy 24 Government Competency 12 Rule of Law 26 Health & Welfare 17 0.555 UCT Promotion 20 ICT Promotion 20 ICT Scale 20 ICT Utilization 19 Academic R&D 18 R&D 14 0.392 Entrepreneurial R&D 11 Governmental Disaster 4 Natural Disaster Management 12 12 12 12 13 12 14 15 ICT Promotion 19 ICT Promotion 1				Productivity	8
Tourism Tourism 5 Economic Institution & Policy 11	Culture	2	0.502	Cultural Goods	4
Economy 12 0.480 Economic Equity Economic Fundamental 18 Education 16 0.476 Education Infrastructure 23 Education Performance 17 Government Involvement 15 Environment Behavior 16 Environment Behavior 16 Environment Behavior 16 Renewable Energy 19 Resource Protection 3 Democracy 24 Governance 20 0.637 Government Competency 12 Rule of Law 26 Health & Welfare System 19 Life and Death 15 ICT Promotion 20 ICT Promotion 20 ICT Scale 20 ICT Utilization 19 Academic R&D 18 R&D 14 0.392 Entrepreneurial R&D 11 Governmental R&D Crime & Warfare 25 Industrial Disaster 4 Natural Disaster Management 12	& Tourism	3	0.502	Tourism	5
Education 16				Economic Institution & Policy	11
Education 16	Economy	12	0.480	Economic Equity	17
Education 16 0.476 Education Performance Government Involvement 17 Environment Involvement 15 Environment Behavior 16 Environment Behavior 16 Environmental Health 16 Renewable Energy 19 Resource Protection 3 Democracy 24 Government Competency 12 Rule of Law 26 Health & Welfare System 19 Life and Death 15 ICT Promotion 20 ICT Scale 20 ICT Scale 20 ICT Utilization 19 Academic R&D 18 R&D 14 0.392 Entrepreneurial R&D 11 Governmental R&D Crime & Warfare 25 Industrial Disaster 4 Natural Disaster Management 12				Economic Fundamental	18
Environment 10				Education Infrastructure	23
Environment Behavior 16 Environment Behavior 16 Environmental Health 16 Renewable Energy 19 Resource Protection 3 Democracy 24 Governance 20 0.637 Government Competency 12 Rule of Law 26 Health Welfare 17 0.555 Health & Welfare System 19 Life and Death 15 ICT Promotion 20 ICT 21 0.539 ICT Scale 20 ICT Utilization 19 Academic R&D 18 R&D 14 0.392 Entrepreneurial R&D 11 Governmental R&D 25 Industrial Disaster 4 Natural Disaster Management 12	Education	16	0.476	Education Performance	17
Environment 10 0.527 Environmental Health Renewable Energy 19 Resource Protection 3 3 Democracy 24 Governance 20 0.637 Government Competency 12 Rule of Law 26 Health & Welfare System 19 Life and Death 15 ICT Promotion 20 ICT Promotion 20 ICT Utilization 19 Academic R&D 18 R&D 14 0.392 Entrepreneurial R&D 11 Governmental R&D Crime & Warfare 25 Industrial Disaster 4 Natural Disaster Management 12				Government Involvement	15
Renewable Energy 19 Resource Protection 3 Democracy 24				Environment Behavior	16
Renewable Energy 19 Resource Protection 3 Democracy 24	F	40	0.507	Environmental Health	16
Governance 20 0.637 Democracy 24 Health & Welfare 17 0.555 Health & Welfare System 19 Life and Death 15 15 ICT Promotion 20 ICT Scale 20 ICT Utilization 19 Academic R&D 18 R&D 14 0.392 Entrepreneurial R&D 11 Governmental R&D 11 Governmental R&D 11 Safety 11 0.624 Industrial Disaster 4 Natural Disaster Management 12	Environment	10	0.527	Renewable Energy	19
Governance 20 0.637 Government Competency Rule of Law 12 Health & Welfare 17 0.555 Health & Welfare System 19 Life and Death 15 ICT Promotion 20 ICT 21 0.539 ICT Scale 20 ICT Utilization 19 Academic R&D 18 R&D 14 0.392 Entrepreneurial R&D 11 Governmental R&D Crime & Warfare 25 Industrial Disaster 4 Natural Disaster Management 12				Resource Protection	3
Rule of Law 26				Democracy	24
Health & Welfare 17 0.555 Health & Welfare System 19 Life and Death 15 15 ICT Promotion 20 ICT Scale 20 ICT Utilization 19 Academic R&D 18 R&D 14 0.392 Entrepreneurial R&D 11 Governmental R&D 11 Governmental R&D 25 Industrial Disaster 4 Natural Disaster Management 12	Governance	20	0.637	Government Competency	12
& Welfare 17 0.555 Life and Death 15 ICT Promotion 20 ICT Promotion 20 ICT Scale 20 ICT Utilization 19 Academic R&D 18 R&D 14 0.392 Entrepreneurial R&D 11 Governmental R&D Crime & Warfare 25 Industrial Disaster 4 Natural Disaster Management 12				Rule of Law	26
& Welfare Life and Death 15 ICT Promotion 20 ICT Promotion 20 ICT Scale 20 ICT Utilization 19 Academic R&D 18 R&D 14 0.392 Entrepreneurial R&D 11 Governmental R&D Crime & Warfare 25 Industrial Disaster 4 Natural Disaster Management 12	Health	alth 17 0.555		Health & Welfare System	19
ICT 21 0.539 ICT Scale 20 ICT Utilization 19 Academic R&D 18 R&D 14 0.392 Entrepreneurial R&D 11 Governmental R&D Crime & Warfare 25 Industrial Disaster 4 Natural Disaster Management 12	& Welfare	17	0.555	Life and Death	15
ICT Utilization 19				ICT Promotion	20
R&D 14 0.392 Entrepreneurial R&D 11 Governmental R&D Crime & Warfare 25 Industrial Disaster 4 Natural Disaster Management 12	ICT	21	0.539	ICT Scale	20
R&D 14 0.392 Entrepreneurial R&D 11 Governmental R&D Crime & Warfare 25 Industrial Disaster 4 Natural Disaster Management 12				ICT Utilization	19
Governmental R&D				Academic R&D	18
Crime & Warfare 25 Industrial Disaster 4 Natural Disaster Management 12	R&D	14	0.392	Entrepreneurial R&D	11
Safety 11 0.624 Industrial Disaster 4 Natural Disaster Management 12				Governmental R&D	
Safety 11 0.624 Natural Disaster Management 12				Crime & Warfare	25
Natural Disaster Management 12	Cofoty	11	0.624	Industrial Disaster	4
Safety in Public Health 11	Salety	11		Natural Disaster Management	: 12
				Safety in Public Health	11

United Kingdom

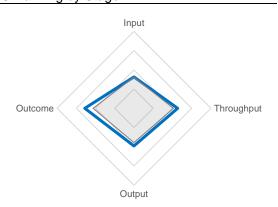
11/34

	Rank/34	Score(0-1)	Capital City	London
2016-17 Government Competitiveness	11	0.526	Population	65,637,239 (2016 est.)
2015-16 Government Competitiveness	15	0.508	GDP (PPP)	2,796,731,825,411 USD (2016 est.)
2014-15 Government Competitiveness	9	0.564	Unemployment rate	5.30% (2015 est.)
2013-14 Government Competitiveness	8	0.583	Constitutional Form	Constitutional monarchy

GC Ranking by Area



United Kingdom
OECD Avg.



	United Kingdom	OECD Avg.
	Rank	Score
Input	20	0.408
Throughput	11	0.567
Output	9	0.489
Outcome	3	0.639

Agriculture & Food Agriculture Resources 11 & Food 5 0.515 Institution & Finance 10 Productivity 11 11 11 Culture & Tourism 6 0.415 Cultural Goods 3 Economy 26 0.411 Economic Institution & Policy 32 Economic Fundamental 14 Education Infrastructure 21 Education Performance 11 Government Involvement 11 Environment Behavior 13 Environmental Health 3 Resource Protection 20 Democracy 13 Governance 10 0.756 Government Competency 8 Rule of Law 9 Health & Welfare System 28 Life and Death 22 ICT Promotion 2 ICT Scale 9 ICT Utilization 8 Academic R&D 4 R&D 17 Governmental R&D 17 Governmental R&D 17 <th></th> <th>Rank</th> <th>Score</th> <th>Subgroup</th> <th>Rank</th>		Rank	Score	Subgroup	Rank
& Food 5 0.515 Institution & Finance 10 Productivity 11 Culture & Tourism 6 0.415 Cultural Goods 3 Economic Institution & Policy 32 Economic Equity 26 26 Economic Fundamental 14 Education Infrastructure 21 Education Infrastructure 21 Environment Involvement 11 Environment Behavior 13 Environment Behavior 13 Environmental Health 3 Resource Protection 20 Democracy 13 Governance 10 0.756 Government Competency 8 Rule of Law 9 Health Welfare 24 0.501 Health & Welfare System 28 & Welfare 15 0.686 ICT Promotion 2 ICT 5 0.686 ICT Scale 9 ICT Utilization 8 Academic R&D 4 R				Agriculture Resources	11
Productivity		5	0.515	Institution & Finance	10
Counties Counties Counties	G. 1 00 G			Productivity	11
Tourism Tourism 7 Economic Institution & Policy 32	Culture		0.445	Cultural Goods	3
Economy 26 0.411 Economic Equity 26 Economic Fundamental 14	& Tourism	ь	0.415	Tourism	7
Economic Fundamental 14				Economic Institution & Policy	32
Education 10 0.530 Education Infrastructure 21	Economy	26	0.411	Economic Equity	26
Education 10 0.530 Education Performance 11 Government Involvement 11 Environment Involvement 11 Environment Behavior 13 Environmental Health 3 Renewable Energy 28 Resource Protection 20 Democracy 13 Democracy 13 Governance 10 0.756 Government Competency 8 Rule of Law 9 Health & Welfare System 28 Life and Death 22 ICT Promotion 2 ICT Promotion 2 ICT Scale 9 ICT Utilization 8 Academic R&D 4 R&D 17 0.374 Entrepreneurial R&D 17 Governmental R&D Crime & Warfare 24 Industrial Disaster 2 Natural Disaster Management 17				Economic Fundamental	14
Covernment Cov				Education Infrastructure	21
Environment 23 0.463	Education	10	0.530	Education Performance	11
Environment 23 0.463 Environmental Health 3 Renewable Energy 28 Resource Protection 20 Democracy 13 Governance 10 0.756 Government Competency 8 Rule of Law 9 Health & Welfare System 28 Life and Death 22 ICT Promotion 2 ICT Scale 9 ICT Utilization 8 Academic R&D 4 R&D 17 0.374 Entrepreneurial R&D 17 Governmental R&D Crime & Warfare 24 Industrial Disaster 2 Natural Disaster Management 17				Government Involvement	11
Environment 23 0.463 Renewable Energy 28 Resource Protection 20 Democracy 13 Governance 10 0.756 Government Competency 8 Rule of Law 9 Health Welfare System 28 Life and Death 22 ICT Promotion 2 ICT Scale 9 ICT Utilization 8 Academic R&D 4 R&D 17 Governmental R&D 17 Governmental R&D 24 Industrial Disaster 2 Natural Disaster Management 17		23		Environment Behavior	13
Renewable Energy 28 Resource Protection 20 Democracy 13	F		0.400	Environmental Health	3
Democracy 13	Environment		0.463	Renewable Energy	28
Governance 10 0.756 Government Competency Rule of Law 8 Health & Welfare System 28 28 Life and Death 22 ICT Promotion 2 ICT Scale 9 ICT Utilization 8 Academic R&D 4 R&D 17 0.374 Entrepreneurial R&D 17 Governmental R&D Crime & Warfare 24 Industrial Disaster 2 Natural Disaster Management 17				Resource Protection	20
Rule of Law 9				Democracy	13
Health & Welfare System 28	Governance	10	0.756	Government Competency	8
24 0.501 Life and Death 22				Rule of Law	9
Life and Death 22	Health 2/		0.504	Health & Welfare System	28
ICT 5 0.686 ICT Scale 9 ICT Utilization 8 Academic R&D 4 R&D 17 0.374 Entrepreneurial R&D 17 Governmental R&D Crime & Warfare 24 Industrial Disaster 2 Natural Disaster Management 17	& Welfare	24	0.501	Life and Death	22
ICT Utilization 8				ICT Promotion	2
R&D 17 0.374 Entrepreneurial R&D 17 Governmental R&D Crime & Warfare 24 Safety 14 0.607 Industrial Disaster 2 Natural Disaster Management 17	ICT	5	0.686	ICT Scale	9
R&D 17 0.374 Entrepreneurial R&D 17 Governmental R&D Crime & Warfare 24 Industrial Disaster 2 Natural Disaster Management 17				ICT Utilization	8
Governmental R&D Crime & Warfare 24				Academic R&D	4
Crime & Warfare 24 Industrial Disaster 2 Natural Disaster Management 17	R&D	17	0.374	Entrepreneurial R&D	17
Safety 14 0.607 Industrial Disaster 2 Natural Disaster Management 17				Governmental R&D	
Safety 14 0.607 Natural Disaster Management 17			0.607	Crime & Warfare	24
Natural Disaster Management 17	Cafatic			Industrial Disaster	2
Safety in Public Health 18	Sarety	14		Natural Disaster Management	17
				Safety in Public Health	18

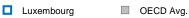
Luxembourg

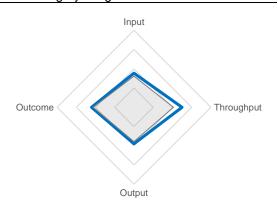
12/34

	Rank/34	Score(0-1)	Capital City	Luxembourg
2016-17 Government Competitiveness	12	0.524	Population	582,972 (2016 est.)
2015-16 Government Competitiveness	5	0.545	GDP (PPP)	61,726,101,664 USD (2016 est.)
2014-15 Government Competitiveness	13	0.550	Unemployment rate	6.67% (2015 est.)
2013-14 Government Competitiveness	13	0.552	Constitutional Form	Constitutional monarchy

GC Ranking by Area







_	Luxembourg	OECD Avg.
	Rank	Score
Input	11	0.444
Throughput	3	0.624
Output	15	0.475
Outcome	17	0.552

	Rank	Score	Subgroup	Rank
			Agriculture Resources	7
Agriculture & Food	32	0.289	Institution & Finance	6
G . 000			Productivity	33
Culture	24	0.207	Cultural Goods	18
& Tourism	24	0.207	Tourism	31
			Economic Institution & Policy	5
Economy	4	0.561	Economic Equity	6
			Economic Fundamental	6
			Education Infrastructure	1
Education	17	0.463	Education Performance	18
			Government Involvement	30
			Environment Behavior	33
Environment	19	0.486	Environmental Health	9
Environment			Renewable Energy	17
			Resource Protection	28
			Democracy	3
Governance	5	0.824	Government Competency	10
			Rule of Law	6
Health	8	0.626	Health & Welfare System	4
& Welfare	0	0.626	Life and Death	18
			ICT Promotion	1
ICT	1	0.739	ICT Scale	2
			ICT Utilization	6
			Academic R&D	28
R&D	4	0.462	Entrepreneurial R&D	7
			Governmental R&D	10
			Crime & Warfare	29
Cofoty	18	0.581	Industrial Disaster	18
Safety	10		Natural Disaster Management	27
			Safety in Public Health	2

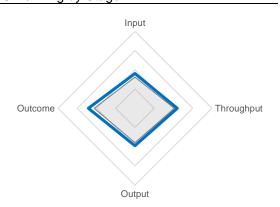
Austria 13/34

	Rank/34	Score(0-1)	Capital City	Vienna
2016-17 Government Competitiveness	13	0.523	Population	8,747,358 (2016 est.)
2015-16 Government Competitiveness	12	0.516	GDP (PPP)	438,048,729,719 USD (2016 est.)
2014-15 Government Competitiveness	17	0.519	Unemployment rate	5.72% (2015 est.)
2013-14 Government Competitiveness	17	0.523	Constitutional Form	Republic

GC Ranking by Area



Austria
OECD Avg.



Austria	OECD Avg.			
	Rank	Score		
Input	9	0.452		
Throughput	14	0.550		
Output	11	0.486		
Outcome	11	0.606		

Agriculture & Food 13 0.465 Institution & Finance Productivity 24 & Food 13 0.465 Institution & Finance Productivity 14 Culture & Tourism 13 0.324 Cultural Goods Tourism 13 Economy 13 0.472 Economic Institution & Policy Policy 16 Economy 13 0.472 Economic Equity Policy 11 Economic Fundamental Policy 19 19 Education Infrastructure 10 Education Infrastructure 10 Education Performance 23 Government Involvement 24 Environmental Health 5 Renewable Energy 6 Resource Protection 13 Democracy 14 Government Competency 16 Rule of Law 15 Health & Welfare System 6 Life and Death 9 ICT Promotion 14 ICT Promotion 14 ICT Utilization 20 Academic R&D 16 R&D 20 0.353 Entrepreneurial R&D 16		Rank	Score	Subgroup	Rank
& Food 13 0.403 Institution of Finance 10 Productivity 14 Culture & Tourism 13 0.324 Cultural Goods Tourism 13 Economic Institution & Policy 16 16 Economic Fundamental 19 11 Education Infrastructure 10 10 Education Infrastructure 10 23 Government Involvement 24 24 Environment Behavior 22 22 Environment Behavior 22 22 Resource Protection 13 20 Resource Protection 13 20 Resource Protection 13 20 Resource Protection 13 20 Resource Protection 14 15 Health & Welfare System 6 20 Resource Protection 14 15 Health & Welfare System 6 20 Life and Death 9 10 ICT Promotion 14 10 <td< td=""><td></td><td></td><td></td><td>Agriculture Resources</td><td>24</td></td<>				Agriculture Resources	24
Productivity		13	0.465	Institution & Finance	10
Tourism	G. 1 00 G			Productivity	14
Tourism	Culture	12	0.224	Cultural Goods	13
Economy 13 0.472 Economic Equity 11 Economic Fundamental 19 Education Infrastructure 10 Education 19 0.429 Education Performance 23 Government Involvement 24 Environment Behavior 22 Environmental Health 5 Renewable Energy 6 Resource Protection 13 Democracy 14 Government Competency 16 Rule of Law 15 Health & Welfare System 6 Life and Death 9 ICT Promotion 14 ICT 18 0.550 ICT Scale 14 ICT Utilization 20 Academic R&D 16 Governmental R&D 16 Crime & Warfare 1 Industrial Disaster 19 Natural Disaster Management 1	& Tourism	13	0.324	Tourism	13
Economic Fundamental 19 Education Infrastructure 10 Education Infrastructure 10 Education Performance 23 Government Involvement 24 Environment Behavior 22 Environmental Health 5 Renewable Energy 6 Resource Protection 13 Democracy 14 Government Competency 16 Rule of Law 15 Health & Welfare System 6 Life and Death 9 ICT Promotion 14 ICT Utilization 20 Academic R&D 16 Governmental R&D 16				Economic Institution & Policy	16
Education 19	Economy	13	0.472	Economic Equity	11
Education 19 0.429 Education Performance Government Involvement 24 Environment Involvement 24 Environment Behavior 22 Environment Behavior 22 Environmental Health 5 Renewable Energy 6 Resource Protection 13 Democracy 14 Government Competency 16 Rule of Law 15 Health & Welfare System 6 & Welfare 11 0.615 Health & Welfare System 6 Life and Death 9 ICT Promotion 14 ICT Promotion 14 ICT Utilization 20 Academic R&D 16 Governmental R&D 16 Governmental R&D 16 Governmental R&D 16 Crime & Warfare 1 Industrial Disaster 19 Natural Disaster Management 1				Economic Fundamental	19
Government Involvement 24				Education Infrastructure	10
Environment 4 0.557	Education	19	0.429	Education Performance	23
Environment 4 0.557 Environmental Health 5 Renewable Energy 6 Resource Protection 13 Democracy 14 14 14 Governance 12 0.742 Government Competency 16 Rule of Law 15 15 Health & Welfare System 6 & Welfare 11 0.615 Health & Welfare System 6 Life and Death 9 ICT Promotion 14 ICT ICT Scale 14 ICT Utilization 20 Academic R&D 16 Governmental R&D 16 Governmental R&D 16 Crime & Warfare 1 Industrial Disaster 19 Natural Disaster Management 1				Government Involvement	24
Environment 4 0.557 Renewable Energy 6 Resource Protection 13 Democracy 14 Governance 12 0.742 Government Competency 16 Rule of Law 15 Health & Welfare System 6 Life and Death 9 ICT Promotion 14 ICT 18 0.550 ICT Scale 14 ICT Utilization 20 Academic R&D 16 Governmental R&D 16 Governmental R&D 16 Crime & Warfare 1 Industrial Disaster 19 Natural Disaster Management 1				Environment Behavior	22
Renewable Energy 6 Resource Protection 13	F	4	0.557	Environmental Health	5
Democracy	Environment		0.557	Renewable Energy	6
Governance 12 0.742 Government Competency 16 Rule of Law 15				Resource Protection	13
Rule of Law 15				Democracy	14
Health & Welfare Health & Welfare System 6 & Welfare Life and Death 9 ICT Promotion 14 ICT Promotion 14 ICT Utilization 20 Academic R&D 16 Governmental R&D 16 Crime & Warfare 1 Industrial Disaster 19 Natural Disaster Management 1	Governance	12	0.742	Government Competency	16
Natural Disaster Management 1 0.615				Rule of Law	15
Life and Death 9	Health	11	0.645	Health & Welfare System	6
ICT 18 0.550 ICT Scale 14 ICT Utilization 20 Academic R&D 16 R&D 20 0.353 Entrepreneurial R&D 16 Governmental R&D 16 Crime & Warfare 1 Industrial Disaster 19 Natural Disaster Management 1	& Welfare	11	0.615	Life and Death	9
ICT Utilization 20				ICT Promotion	14
R&D 20 0.353 Entrepreneurial R&D 16 Governmental R&D 16 Crime & Warfare 1 Industrial Disaster 19 Natural Disaster Management 1	ICT	18	0.550	ICT Scale	14
R&D 20 0.353 Entrepreneurial R&D 16 Governmental R&D 16 Crime & Warfare 1 Industrial Disaster 19 Natural Disaster Management 1				ICT Utilization	20
Governmental R&D 16 Crime & Warfare 1 Industrial Disaster 19 Natural Disaster Management 1				Academic R&D	16
Crime & Warfare 1 Industrial Disaster 19 Natural Disaster Management 1	R&D	20	0.353	Entrepreneurial R&D	16
Safety 1 0.727 Industrial Disaster 19 Natural Disaster Management 1				Governmental R&D	16
Safety 1 0.727 Natural Disaster Management 1			0.727	Crime & Warfare	1
Natural Disaster Management 1	Cofoty			Industrial Disaster	19
Outro to Distribution of	Salety	1		Natural Disaster Management	1
Sarety in Public Health 8				Safety in Public Health	8

New Zealand

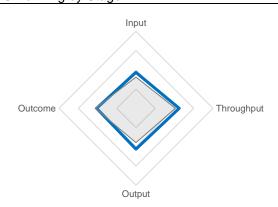
14/34

	Rank/34	Score(0-1)	Capital City	Wellington
2016-17 Government Competitiveness	14	0.518	Population	4,692,700 (2016 est.)
2015-16 Government Competitiveness	4	0.552	GDP (PPP)	183,290,725,813 USD (2016 est.)
2014-15 Government Competitiveness	8	0.578	Unemployment rate	5.37% (2015 est.)
2013-14 Government Competitiveness	10	0.577	Constitutional Form	Constitutional monarchy

GC Ranking by Area



■ New Zealand
■ OECD Avg.



	new Zealand	OECD Avg.
	Rank	Score
Input	7	0.466
Throughput	12	0.562
Output	5	0.530
Outcome	22	0.512

	Rank	Score	Subgroup	Rank
			Agriculture Resources	4
Agriculture & Food	28	0.331	Institution & Finance	30
			Productivity	2
Culture	10	0.056	Cultural Goods	20
& Tourism	19 0.256 urism	Tourism	17	
			Economic Institution & Policy	31
Economy	21	0.437	Economic Equity	21
			Economic Fundamental	17
			Education Infrastructure	15
Education	4	0.594	Education Performance	2
			Government Involvement	10
			Environment Behavior	21
Cavironmont	_	0 5 4 5	Environmental Health	18
Environment	5	0.545	Renewable Energy	4
			Resource Protection	4
			Democracy	6
Governance	8	0.791	Government Competency	4
			Rule of Law	5
Health		0.000	Health & Welfare System	9
& Welfare	6	0.660	Life and Death	20
			ICT Promotion	5
ICT	20	0.545	ICT Scale	24
			ICT Utilization	12
			Academic R&D	2
R&D	18	0.369	Entrepreneurial R&D	21
			Governmental R&D	13
			Crime & Warfare	10
Cofoti	9	0.647	Industrial Disaster	16
Safety			Natural Disaster Management	: 14
			Safety in Public Health	16

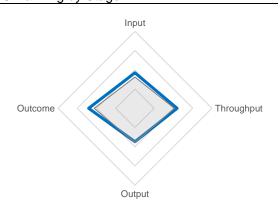
Ireland 15/34

	Rank/34	Score(0-1)	Capital City	Dublin
2016-17 Government Competitiveness	15	0.511	Population	4,773,095 (2016 est.)
2015-16 Government Competitiveness	20	0.465	GDP (PPP)	328,784,522,187 USD (2016 est.)
2014-15 Government Competitiveness	21	0.491	Unemployment rate	9.40% (2015 est.)
2013-14 Government Competitiveness	20	0.507	Constitutional Form	Republic

GC Ranking by Area



☐ Ireland ☐ OECD Avg.



☐ Ireland	OECD Avg.			
	Rank	Score		
Input	8	0.461		
Throughput	16	0.548		
Output	21	0.434		
Outcome	13	0.602		

	Rank	Score	Subgroup	Rank
			Agriculture Resources	3
Agriculture & Food	1	0.590	Institution & Finance	1
			Productivity	17
Culture	20	0.244	Cultural Goods	25
& Tourism	20	0.244	Tourism	19
			Economic Institution & Policy	17
Economy	7	0.521	Economic Equity	12
			Economic Fundamental	8
			Education Infrastructure	24
Education	14	0.516	Education Performance	12
			Government Involvement	18
			Environment Behavior	11
	32	0.057	Environmental Health	32
Environment		0.357	Renewable Energy	23
			Resource Protection	25
			Democracy	10
Governance	13	0.722	Government Competency	13
			Rule of Law	16
Health	4.0	0.504	Health & Welfare System	18
& Welfare	16	0.584	Life and Death	17
			ICT Promotion	18
ICT	17	0.560	ICT Scale	19
			ICT Utilization	14
			Academic R&D	5
R&D	5	0.449	Entrepreneurial R&D	10
			Governmental R&D	12
			Crime & Warfare	30
			Industrial Disaster	21
Safety	20	0.571	Natural Disaster Management	7
			Safety in Public Health	19

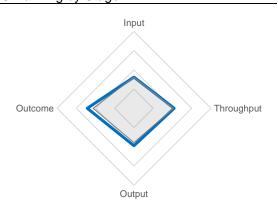
Australia 16/34

	Rank/34	Score(0-1)	Capital City Canberra	
2016-17 Government Competitiveness	16	0.505	Population 24,127,159 (2016 est.)	
2015-16 Government Competitiveness	14	0.510	GDP (PPP) 1,128,908,014,064 USD	(2016 est.)
2014-15 Government Competitiveness	12	0.556	Unemployment rate 6.06% (2015 est.)	
2013-14 Government Competitiveness	11	0.569	Constitutional Form Constitutional monarch	у

GC Ranking by Area



Australia
OECD Avg.



	Australia	OECD Avg.		
	Rank	Score		
Input	21	0.405		
Throughput	18	0.522		
Output	12	0.486		
Outcome	10	0.607		

	Rank	Score	Subgroup	Rank
Agriculture & Food			Agriculture Resources	23
	19	0.420	Institution & Finance	32
			Productivity	18
Culture	15	0.204	Cultural Goods	22
& Tourism	15	0.304	Tourism	11
	19		Economic Institution & Policy	26
Economy		0.440	Economic Equity	22
			Economic Fundamental	15
			Education Infrastructure	17
Education	7	0.569	Education Performance	3
			Government Involvement	6
			Environment Behavior	30
Cavironmont	26	0.442	Environmental Health	1
Environment	26	0.442	Renewable Energy	24
			Resource Protection	31
	16		Democracy	9
Governance		0.703	Government Competency	15
			Rule of Law	14
Health	14	0.604	Health & Welfare System	12
& Welfare			Life and Death	13
	19	0.547	ICT Promotion	11
ICT			ICT Scale	16
			ICT Utilization	21
	19		Academic R&D	10
R&D		0.360	Entrepreneurial R&D	20
			Governmental R&D	
Safety	6	0.664	Crime & Warfare	13
			Industrial Disaster	6
			Natural Disaster Management	5
			Safety in Public Health	10

Belgium

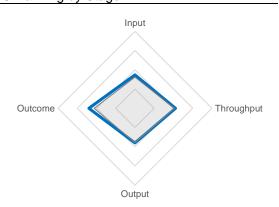
17/34

	Rank/34	Score(0-1)
2016-17 Government Competitiveness	17	0.503
2015-16 Government Competitiveness	17	0.484
2014-15 Government Competitiveness	19	0.502
2013-14 Government Competitiveness	18	0.519

GC Ranking by Area



■ Belgium ■ OECD Avg.



ш	Belgium	OECD Avg.
	Rank	Score
Input	13	0.434
Throughput	17	0.527
Output	17	0.450
Outcome	14	0.599

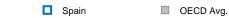
	Rank	Score	Subgroup	Rank
	10		Agriculture Resources	21
Agriculture & Food		0.484	Institution & Finance	10
u 1 00u			Productivity	7
Culture	07	0.400	Cultural Goods	10
& Tourism	27	0.196	Tourism	27
	22		Economic Institution & Policy	24
Economy		0.435	Economic Equity	9
			Economic Fundamental	22
			Education Infrastructure	32
Education	9	0.542	Education Performance	10
			Government Involvement	8
			Environment Behavior	27
Environment	0	0.524	Environmental Health	12
Environment	9	0.531	Renewable Energy	7
			Resource Protection	19
	18	0.657	Democracy	18
Governance			Government Competency	18
			Rule of Law	20
Health & Welfare	9	0.624	Health & Welfare System	17
			Life and Death	21
	22	0.527	ICT Promotion	16
ICT			ICT Scale	15
			ICT Utilization	22
	13		Academic R&D	12
R&D		0.397	Entrepreneurial R&D	18
			Governmental R&D	2
Safety	10	0.634	Crime & Warfare	21
			Industrial Disaster	8
			Natural Disaster Management	8
			Safety in Public Health	12

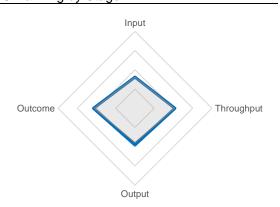
Spain 18/34

	Rank/34	Score(0-1)
2016-17 Government Competitiveness	18	0.485
2015-16 Government Competitiveness	22	0.461
2014-15 Government Competitiveness	23	0.431
2013-14 Government Competitiveness	23	0.441

GC Ranking by Area







Spain	OECD Avg.			
	Rank	Score		
Input	22	0.405		
Throughput	20	0.519		
Output	14	0.477		
Outcome	18	0.540		

	Rank	Score	Subgroup	Rank
	2		Agriculture Resources	2
Agriculture & Food		0.563	Institution & Finance	9
u 1 00u			Productivity	25
Culture	2	0.527	Cultural Goods	12
& Tourism	2	0.537	Tourism	1
			Economic Institution & Policy	23
Economy	29	0.387	Economic Equity	29
			Economic Fundamental	23
			Education Infrastructure	27
Education	29	0.359	Education Performance	25
			Government Involvement	22
			Environment Behavior	6
Environment	15	0.505	Environmental Health	6
Environment	15	0.505	Renewable Energy	20
			Resource Protection	12
	17		Democracy	19
Governance		0.660	Government Competency	24
			Rule of Law	22
Health & Welfare	12	0.614	Health & Welfare System	5
			Life and Death	8
	24	0.394	ICT Promotion	28
ICT			ICT Scale	25
			ICT Utilization	25
	26		Academic R&D	20
R&D		0.252	Entrepreneurial R&D	31
			Governmental R&D	24
	19	0.580	Crime & Warfare	11
Cofoty			Industrial Disaster	26
Safety			Natural Disaster Management	15
			Safety in Public Health	15

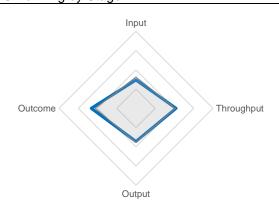
Canada 19/34

	Rank/34	Score(0-1)
2016-17 Government Competitiveness	19	0.475
2015-16 Government Competitiveness	13	0.512
2014-15 Government Competitiveness	14	0.547
2013-14 Government Competitiveness	12	0.559

GC Ranking by Area



Canada
OECD Avg.



Canada		OECD Avg.
	Rank	Score
Input	26	0.368
Throughput	19	0.521
Output	22	0.430
Outcome	16	0.582

	Rank	Score	Subgroup	Rank
			Agriculture Resources	31
Agriculture & Food	31	0.310	Institution & Finance	29
			Productivity	24
Culture	18	0.265	Cultural Goods	14
& Tourism	10	0.265	Tourism	18
			Economic Institution & Policy	28
Economy	15	0.453	Economic Equity	20
			Economic Fundamental	16
			Education Infrastructure	31
Education	18	0.453	Education Performance	14
			Government Involvement	23
			Environment Behavior	32
F	00	0.004	Environmental Health	19
Environment	30	0.394	Renewable Energy	9
			Resource Protection	33
			Democracy	11
Governance	15	0.704	Government Competency	14
			Rule of Law	7
Health	40	0.040	Health & Welfare System	23
& Welfare	13	0.610	Life and Death	10
			ICT Promotion	10
ICT	12	0.589	ICT Scale	17
			ICT Utilization	15
			Academic R&D	13
R&D	16	0.384	Entrepreneurial R&D	19
			Governmental R&D	11
			Crime & Warfare	9
0-1-1-	47	0.500	Industrial Disaster	23
Safety	17	0.589	Natural Disaster Management	18
			Safety in Public Health	13

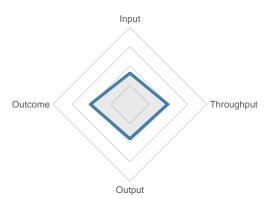
Japan 20/34

	Rank/34	Score(0-1)	Capital City	Tokyo
2016-17 Government Competitiveness	20	0.464	Population	126,994,511 (2016 est.)
2015-16 Government Competitiveness	18	0.480	GDP (PPP)	5,266,443,919,742 USD (2016 est.)
2014-15 Government Competitiveness	15	0.544	Unemployment rate	3.33% (2015 est.)
2013-14 Government Competitiveness	14	0.551	Constitutional Form	Constitutional monarchy

GC Ranking by Area



JapanOECD Avg.



	Japan	■ OECD Avg.
	Rank	Score
Input	23	0.404
Throughput	21	0.490
Output	18	0.447
Outcome	21	0.516

Agriculture & Food 25 0.362 Institution & Finance 24 Productivity 30 Culture & Tourism 10 0.348 Cultural Goods 6 Tourism 12 Economic Institution & Policy 34 Economy 23 0.432 Economic Equity 14 Education 4 Education Infrastructure 34 Education 32 0.331 Education Performance 16 Government Involvement 31 Environment Behavior 14
& Food 25 0.362 Institution & Finance 24 Productivity 30 Culture & Tourism 10 0.348 Cultural Goods 6 Tourism 12 Economic Institution & Policy 34 Economy 23 0.432 Economic Equity 14 Economic Fundamental 4 Education Infrastructure 34 Education 32 0.331 Education Performance 16 Government Involvement 31
Productivity 30
Economy 10 0.348 Tourism 12 Economic Institution & Policy 34 Economic Equity 14 Economic Fundamental 4 Education Infrastructure 34 Education Performance 16 Government Involvement 31
Tourism 12 Economic Institution & Policy 34
Economy 23 0.432 Economic Equity 14 Economic Fundamental 4 Education Infrastructure 34 Education Performance 16 Government Involvement 31
Economic Fundamental 4 Education Infrastructure 34 Education Performance 16 Government Involvement 31
Education Infrastructure 34 Education Performance 16 Government Involvement 31
Education 32 0.331 Education Performance 16 Government Involvement 31
Government Involvement 31
Environment Behavior 14
Environmental Health 24
Environment 8 0.534 Renewable Energy 32
Resource Protection 9
Democracy 26
Governance 23 0.590 Government Competency 23
Rule of Law 17
Health & Welfare System 32
& Welfare 30 0.412 Life and Death 12
ICT Promotion 13
ICT 10 0.639 ICT Scale 11
ICT Utilization 2
Academic R&D 30
R&D 15 0.390 Entrepreneurial R&D 2
Governmental R&D
Crime & Warfare 22
Industrial Disaster 14
Safety 15 0.605 Natural Disaster Management 4
Safety in Public Health 20

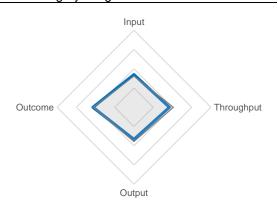
Israel 21/34

	Rank/34	Score(0-1)	Capital City	Jerusalem
2016-17 Government Competitiveness	21	0.459	Population	8,547,100 (2016 est.)
2015-16 Government Competitiveness	23	0.444	GDP (PPP)	323,946,602,677 USD (2016 est.)
2014-15 Government Competitiveness	22	0.490	Unemployment rate	5.25% (2015 est.)
2013-14 Government Competitiveness	21	0.485	Constitutional Form	Republic

GC Ranking by Area



■ Israel
■ OECD Avg.



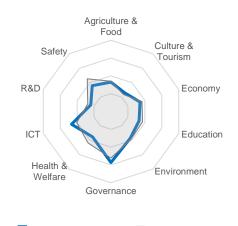
Israel		OECD Avg.
	Rank	Score
Input	15	0.425
Throughput	26	0.460
Output	24	0.416
Outcome	19	0.534

	Rank	Score	Subgroup	Rank
			Agriculture Resources	19
Agriculture & Food	24	0.368	Institution & Finance	34
a 1 00a			Productivity	9
Culture	20	0.476	Cultural Goods	15
& Tourism	28	0.176	Tourism	32
			Economic Institution & Policy	30
Economy	27	0.400	Economic Equity	32
			Economic Fundamental	9
			Education Infrastructure	18
Education	3	0.600	Education Performance	5
			Government Involvement	3
			Environment Behavior	17
Environment	20	0.400	Environmental Health	7
Environment	29	0.400	Renewable Energy	33
			Resource Protection	32
			Democracy	17
Governance	29	0.521	Government Competency	30
			Rule of Law	25
Health	40	0.040	Health & Welfare System	11
& Welfare	10	0.618	Life and Death	3
			ICT Promotion	21
ICT	14	0.582	ICT Scale	22
			ICT Utilization	1
			Academic R&D	23
R&D	8	0.414	Entrepreneurial R&D	4
		Resource Protection Democracy 0.521 Government Competence Rule of Law Health & Welfare System Life and Death ICT Promotion 0.582 ICT Scale ICT Utilization Academic R&D 0.414 Entrepreneurial R&D Governmental R&D	Governmental R&D	1
			Crime & Warfare	6
Cofoty	26	0.511	Industrial Disaster	20
Safety	20	0.011	Natural Disaster Management	30
			Safety in Public Health	23

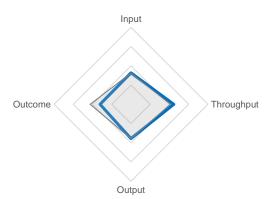
Estonia 22/34

	Rank/34	Score(0-1)	Capital City	Tallinn
2016-17 Government Competitiveness	22	0.453	Population	1,316,481 (2016 est.)
2015-16 Government Competitiveness	16	0.497	GDP (PPP)	38,658,097,408 USD (2016 est.)
2014-15 Government Competitiveness	20	0.493	Unemployment rate	6.19% (2015 est.)
2013-14 Government Competitiveness	22	0.472	Constitutional Form	Republic

GC Ranking by Area



■ Estonia ■ OECD Avg.



Estonia		OECD Avg.
	Rank	Score
Input	19	0.409
Throughput	13	0.556
Output	19	0.445
Outcome	30	0.402

	Rank	Score	Subgroup	Rank		
			Agriculture Resources	8		
Agriculture & Food	21	0.412	Institution & Finance	6		
a . c c			Productivity	3		
Culture	12	0.225	Cultural Goods	23		
& Tourism	12	0.323	Tourism	8		
			Economic Institution & Policy	12		
Economy	24	0.428	Economic Equity	28		
			Cultural Goods Tourism Economic Institution & Policy 0.428 Economic Equity Economic Fundamental Education Infrastructure 0.416 Education Performance Government Involvement Environment Behavior Environmental Health Renewable Energy Resource Protection Democracy 0.716 Government Competency Rule of Law Health & Welfare System Life and Death ICT Promotion 0.582 ICT Scale ICT Utilization Academic R&D	25		
			Education Infrastructure	6		
Education	22	0.416	Education Performance	24		
			Government Involvement	28		
			Environment Behavior	28		
Environment	24	0.462	Environmental Health	25		
Environment	24	24	24	0.463	Renewable Energy	22
			Resource Protection	27		
			Democracy	22		
Governance	14	0.716	Government Competency	6		
			Rule of Law	10		
Health	28	0.444	Health & Welfare System	26		
& Welfare	20	0.441	Life and Death	33		
			ICT Promotion	15		
ICT	13	0.582	ICT Scale	13		
			ICT Utilization	16		
			Academic R&D	17		
R&D	22	0.297	Entrepreneurial R&D	23		
			Governmental R&D	28		
_			Crime & Warfare	16		
Cofoty	31	0.449	Industrial Disaster	25		
Safety	31	0.449	Natural Disaster Management	32		
			Safety in Public Health	30		

Portugal

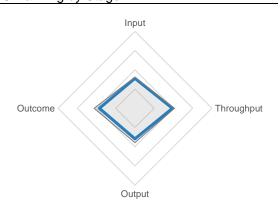
23/34

	Rank/34	Score(0-1)	Capital City	Lisbon
2016-17 Government Competitiveness	23	0.434	Population	10,324,611 (2016 est.)
2015-16 Government Competitiveness	26	0.414	GDP (PPP)	316,182,690,910 USD (2016 est.)
2014-15 Government Competitiveness	25	0.410	Unemployment rate	12.44% (2015 est.)
2013-14 Government Competitiveness	24	0.415	Constitutional Form	Republic

GC Ranking by Area



_	_	
Portugal		OECD Avg.



Portugal		OECD Avg.
	Rank	Score
Input	24	0.389
Throughput	22	0.487
Output	27	0.397
Outcome	24	0.463

	Rank	Score	Subgroup	Rank
			Agriculture Resources	6
Agriculture & Food	17	0.436	Institution & Finance	13
			Productivity	31
Culture	7	0.402	Cultural Goods	19
& Tourism	,	0.402	Tourism	6
			Economic Institution & Policy	29
Economy	31	0.361	Economic Equity	24
		Economic Fundamental	31	
			Education Infrastructure	19
Education	24	0.382	Education Performance	26
			Government Involvement	25
			Environment Behavior	4
	0.5	0.440	Environmental Health	26
Environment	25	0.448	Renewable Energy	12
		Resource Protection	17	
			Democracy	21
Governance	21	0.637	Government Competency	19
			Rule of Law	24
Health		0.507	Health & Welfare System	15
& Welfare	22	0.507	Life and Death	26
			ICT Promotion	23
ICT	23	0.446	ICT Scale	29
			ICT Utilization	23
			Academic R&D	19
R&D	27	0.237	Entrepreneurial R&D	33
		Governmental R&D	23	
			Crime & Warfare	15
			Industrial Disaster	28
Safety	29	0.482	Natural Disaster Management	31
			Safety in Public Health	26

Korea, Rep.

24/34

	Rank/34	Score(0-1)
2016-17 Government Competitiveness	24	0.433
2015-16 Government Competitiveness	21	0.461
2014-15 Government Competitiveness	16	0.539
2013-14 Government Competitiveness	19	0.517

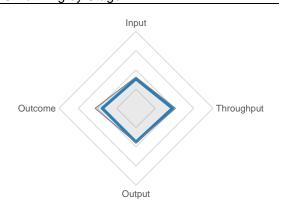
GC Ranking by Area



OECD Avg.

GC Ranking by Stage

Korea, Rep.



	Korea, Rep.	OECD Avg.
	Rank	Score
Input	25	0.382
Throughput	23	0.474
Output	20	0.438
Outcome	26	0.439

Agriculture & Food 29 0.328 Institution & Finance 26 Culture & Tourism 21 0.236 Cultural Goods 9 & Tourism 24 Economic Institution & Policy 14 Economic Equity 23 Economic Fundamental 5 Education 27 0.376 Education Performance 20 Government Involvement 32 Environment Behavior 24 Environmental Health 20 Renewable Energy 21 Resource Protection 24 Democracy 25		Rank	Score	Subgroup	Rank
& Food 29 0.326 Institution & Finance 26 Productivity 26 Culture & Tourism 21 0.236 Cultural Goods 9 Tourism 24 Economic Institution & Policy 14 Economic Equity 23 Economic Fundamental 5 Education Infrastructure 29 Education Performance 20 Government Involvement 32 Environment Behavior 24 Environmental Health 20 Renewable Energy 21 Resource Protection 24				Agriculture Resources	
Productivity 26			0.328	Institution & Finance	26
Economy 21 0.236 Tourism 24 Economic Institution & Policy 14 Economic Equity 23 Economic Fundamental 5 Education Infrastructure 29 Education Performance 20 Government Involvement 32 Environment Behavior 24 Environmental Health 20 Renewable Energy 21 Resource Protection 24				Productivity	26
Tourism 24	Culture	21	0.226	Cultural Goods	9
Economy 9 0.514 Economic Equity 23 Economic Fundamental 5 Education Infrastructure 29 Education Performance 20 Government Involvement 32 Environment Behavior 24 Environmental Health 20 Renewable Energy 21 Resource Protection 24	& Tourism	21	0.236	Tourism	24
Economic Fundamental 5				Economic Institution & Policy	14
Education 27 0.376 Education Infrastructure 29 Education Performance 20 Government Involvement 32 Environment Behavior 24 Environmental Health 20 Renewable Energy 21 Resource Protection 24	Economy	9	0.514	Economic Equity	23
Education 27 0.376 Education Performance 20 Government Involvement 32 Environment Behavior 24 Environmental Health 20 Renewable Energy 21 Resource Protection 24				Economic Fundamental	5
Government Involvement 32				Education Infrastructure	29
Environment 21 0.475 Environment Behavior 24 Environmental Health 20 Renewable Energy 21 Resource Protection 24	Education	27	0.376	Education Performance	20
Environment 21 0.475 Environmental Health 20 Renewable Energy 21 Resource Protection 24				Government Involvement	32
Environment 21 0.475 Renewable Energy 21 Resource Protection 24				Environment Behavior	24
Renewable Energy 21 Resource Protection 24	F	04	0.475	Environmental Health	20
	Environment 21	0.475	Renewable Energy	21	
Democracy 25				Resource Protection	24
				Democracy	25
Government Competency 21	Governance 26 0.5	0.556	Government Competency	21	
Rule of Law 23				Rule of Law	23
Health & Welfare System 30	Health	24	0.404	Health & Welfare System	30
& Welfare S1 0.404 Life and Death 27	& Welfare	31	0.404	Life and Death	27
ICT Promotion 22				ICT Promotion	22
ICT 16 0.561 ICT Scale 12	ICT	16	0.561	ICT Scale	12
ICT Utilization 17				ICT Utilization	17
Academic R&D 29				Academic R&D	29
R&D 21 0.325 Entrepreneurial R&D 5	R&D	21	0.325	Entrepreneurial R&D	5
Governmental R&D 20			Governmental R&D	20	
Crime & Warfare 5				Crime & Warfare	5
Industrial Disaster 11	Cofoti	04	0.557	Industrial Disaster	11
Safety 21 0.557 Natural Disaster Management 29	Salety	21	0.557	Natural Disaster Management	29
Safety in Public Health 25				Safety in Public Health	25

Italy 25/34

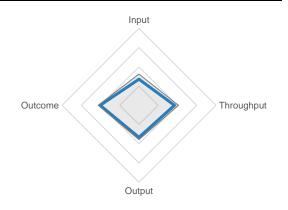
	Rank/34	Score(0-1)	Capital City	Rome
2016-17 Government Competitiveness	25	0.430	Population	60,600,590 (2016 est.)
2015-16 Government Competitiveness	27	0.413	GDP (PPP)	2,312,559,334,097 USD (2016 est.)
2014-15 Government Competitiveness	29	0.382	Unemployment rate	11.90% (2015 est.)
2013-14 Government Competitiveness	26	0.392	Constitutional Form	Republic

GC Ranking by Area





☐ Italy GC Ranking by Stage

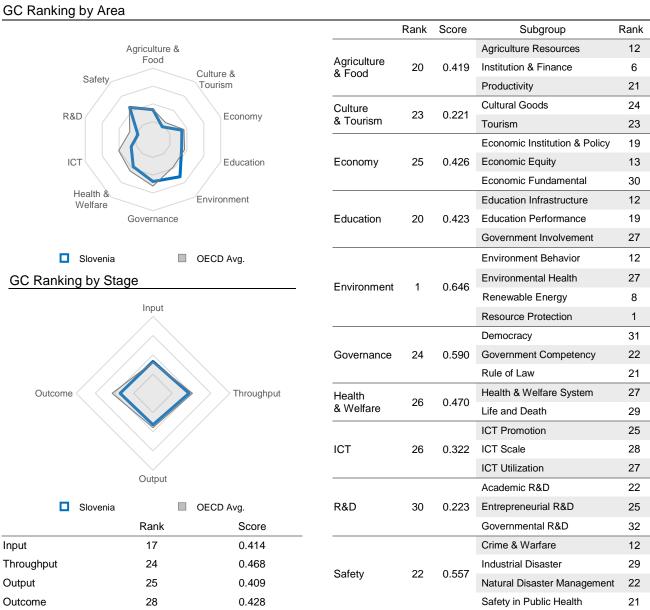


	italy DECD Avg	
	Rank	Score
Input	27	0.339
Throughput	25	0.461
Output	23	0.417
Outcome	23	0.504

Agriculture & Food Agriculture Resources 5 & Food 0.514 Institution & Finance 13 Productivity 28 Culture & Tourism 10 Cultural Goods 7 Economy 28 0.398 Economic Institution & Policy 27 Economic Fundamental 21 Education Infrastructure 13 Education 30 0.354 Education Performance 30 Government Involvement 19 Environmental Health 13 Renewable Energy 18 Resource Protection 11 Democracy 20 Governance 25 0.575 Government Competency 28 Rule of Law 32 Health Welfare 32 Health & Welfare System 21 Life and Death 11 ICT Promotion 31 ICT Scale 23 ICT Utilization 31 Academic R&D 21 R&D 25 O.255 E		Rank	Score	Subgroup	Rank
& Food 0 0.514 Institution & Finance 13 Productivity 28 Culture & Tourism 11 0.347 Tourism 7 Economic Fundamental 27 27 Economic Equity 25 Economic Fundamental 21 Education 20 25 Economic Fundamental 21 Education Infrastructure 13 25 Economic Fundamental 21 Environment Involvement 19 25 Environment Behavior 9 Environment Behavior 9 25 Environmental Health 13 Resource Protection 11 11 Democracy 20 Governance 25 0.575 Government Competency 28 Rule of Law 32 Health & Welfare System 21 Life and Death 11 ICT Promotion 31 ICT 28 ICT Utilization 31 ICT Scale 23 ICT Utilization 31 Academic R&D 25 Crime & Warfare 28 Indust				Agriculture Resources	5
Productivity 28		0.514	Institution & Finance	13	
Tourism 11 0.347 Tourism 10 Economic Institution & Policy 27	G			Productivity	28
Tourism	Culture	44	0.247	Cultural Goods	7
Economy 28 0.398 Economic Equity 25 Economic Fundamental 21	& Tourism	11	0.347	Tourism	10
Economic Fundamental 21				Economic Institution & Policy	27
Education 30 0.354 Education Infrastructure 13	Economy	28	0.398	Economic Equity	25
Education 30 0.354 Education Performance 30 Government Involvement 19 Environment Behavior 9 Environment Behavior 9 Environmental Health 13 Renewable Energy 18 Resource Protection 11 Democracy 20 20 Government Competency 28 Rule of Law 32 Health Welfare 25 0.499 Health & Welfare System 21 Life and Death 11 ICT Promotion 31 ICT 28 0.308 ICT Scale 23 ICT Utilization 31 Academic R&D 21 R&D 25 0.255 Entrepreneurial R&D 26 Governmental R&D 25 Crime & Warfare 28 Industrial Disaster 27 Natural Disaster Management 6				Economic Fundamental	21
Covernment Involvement 19				Education Infrastructure	13
Environment 14 0.512	Education	30	0.354	Education Performance	30
Environment 14 0.512 Environmental Health Renewable Energy 18 Resource Protection 11 Democracy 20 Governance 25 0.575 Government Competency 28 Rule of Law 32 Health Welfare System 21 21 Life and Death 11 ICT Promotion 31 ICT Scale 23 ICT Utilization 31 Academic R&D 21 R&D 25 0.255 Entrepreneurial R&D 26 Governmental R&D 25 Crime & Warfare 28 Industrial Disaster 27 Natural Disaster Management 6				Government Involvement	19
Environment 14 0.512 Renewable Energy 18 Resource Protection 11 Democracy 20 Governance 25 0.575 Government Competency 28 Rule of Law 32 32 Health & Welfare System 21 21 Life and Death 11 ICT Promotion 31 ICT Scale 23 ICT Utilization 31 Academic R&D 21 R&D 25 Governmental R&D 26 Governmental R&D 25 Crime & Warfare 28 Industrial Disaster 27 Natural Disaster Management 6		14	0.512	Environment Behavior	9
Renewable Energy 18 Resource Protection 11				Environmental Health	13
Governance 25 0.575 Democracy 20 Health & Welfare 25 0.499 Health & Welfare System 21 Life and Death 11 ICT Promotion 31 ICT Scale 23 ICT Utilization 31 Academic R&D 21 R&D 25 0.255 Entrepreneurial R&D 26 Governmental R&D 25 Crime & Warfare 28 Industrial Disaster 27 Natural Disaster Management 6	Environment			Renewable Energy	18
Governance 25 0.575 Government Competency 28 Rule of Law 32 Health & Welfare System 21 Life and Death 11 ICT Promotion 31 ICT Scale 23 ICT Utilization 31 Academic R&D 21 R&D 25 Governmental R&D 26 Governmental R&D 25 Crime & Warfare 28 Industrial Disaster 27 Natural Disaster Management 6				Resource Protection	11
Rule of Law 32 Health & Welfare System 21 & Welfare 25 0.499 Life and Death 11 ICT Promotion 31 ICT Scale 23 ICT Utilization 31 Academic R&D 21 R&D 25 0.255 Entrepreneurial R&D 26 Governmental R&D 25 Crime & Warfare 28 Industrial Disaster 27 Natural Disaster Management 6				Democracy	20
Health & Welfare System 21	Governance	25	0.575	Government Competency	28
& Welfare 25 0.499 Life and Death 11 ICT Promotion 31 ICT Scale 23 ICT Utilization 31 Academic R&D 21 R&D 25 0.255 Entrepreneurial R&D 26 Governmental R&D 25 Crime & Warfare 28 Industrial Disaster 27 Natural Disaster Management 6				Rule of Law	32
Life and Death 11	Health	25	0.400	Health & Welfare System	21
ICT 28 0.308 ICT Scale 23 ICT Utilization 31 Academic R&D 21 R&D 25 0.255 Entrepreneurial R&D 26 Governmental R&D 25 Crime & Warfare 28 Industrial Disaster 27 Natural Disaster Management 6	& Welfare	25	0.499	Life and Death	11
ICT Utilization 31				ICT Promotion	31
R&D 25 0.255 Entrepreneurial R&D 26 Governmental R&D 25 Crime & Warfare 28 Industrial Disaster 27 Natural Disaster Management 6	ICT	28	0.308	ICT Scale	23
R&D 25 0.255 Entrepreneurial R&D 26 Governmental R&D 25 Crime & Warfare 28 Industrial Disaster 27 Natural Disaster Management 6				ICT Utilization	31
Governmental R&D 25 Crime & Warfare 28 Industrial Disaster 27 Natural Disaster Management 6				Academic R&D	21
Crime & Warfare 28 Industrial Disaster 27 Natural Disaster Management 6	R&D	25	0.255	Entrepreneurial R&D	26
Safety 24 0.541 Industrial Disaster 27 Natural Disaster Management 6				Governmental R&D	25
Safety 24 0.541 Natural Disaster Management 6				Crime & Warfare	28
Natural Disaster Management 6	0-6-6	0.4	0.541	Industrial Disaster	27
Safety in Public Health 22	Sarety	24		Natural Disaster Management	6
				Safety in Public Health	22

Slovenia 26/34

	Rank/34	Score(0-1)	Capital City	Ljubljana
2016-17 Government Competitiveness	26	0.430	Population	2,064,845 (2016 est.)
2015-16 Government Competitiveness	24	0.437	GDP (PPP)	67,901,475,700 USD (2016 est.)
2014-15 Government Competitiveness	24	0.422	Unemployment rate	8.96% (2015 est.)
2013-14 Government Competitiveness	25	0.414	Constitutional Form	Republic



Subgroup

Agriculture Resources

Czech Rep.

27/34

Rank

17

17

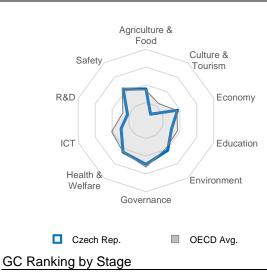
23 34

30

13

	Rank/34	Score(0-1)	Capital City	Prague
2016-17 Government Competitiveness	27	0.426	Population	10,561,633 (2016 est.)
2015-16 Government Competitiveness	25	0.436	GDP (PPP)	366,607,831,342 USD (2016 est.)
2014-15 Government Competitiveness	26	0.404	Unemployment rate	5.05% (2015 est.)
2013-14 Government Competitiveness	27	0.389	Constitutional Form	Republic

GC Ranking by Area

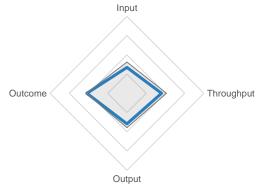


Agriculture & Food	15	0.444	Institution & Finance
a . c c c	u 1 00u		Productivity
Culture	33	0.110	Cultural Goods
& Tourism	Tourism 33 0.110	Tourism	
		Economic Institution & Policy	
Economy	14	0.466	Economic Equity
			Economic Fundamental
			Education Infrastructure
Education 26 0.377	26	0.377	Education Performance
		Government Involvement	
			Environment Behavior

Score

Rank

Agriculture



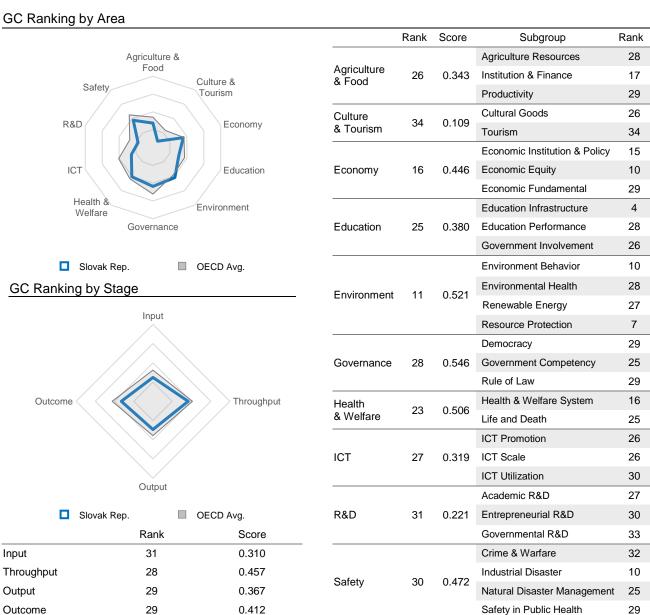
	Czech Rep.		OECD Avg.
		Rank	Score
Input		29	0.336
Throughput		29	0.449
Output		26	0.397
Outcome		20	0.522

Economy	14	0.466	Economic Equity	5
			Economic Fundamental	27
			Education Infrastructure	20
Education	26	0.377	Education Performance	21
			Government Involvement	29
			Environment Behavior	18
Environment	12	0.519	Environmental Health	22
Livilorinient	12	0.515	Renewable Energy	13
			Resource Protection	22
	Governance 22		Democracy	23
Governance		0.614	Government Competency	26
			Rule of Law	27
Health 19 0.	0.549	Health & Welfare System	14	
	0.543	Life and Death	24	
			ICT Promotion	24
ICT	25	0.368	ICT Scale	21
			ICT Utilization	26
			Academic R&D	25
R&D	24	0.272	Entrepreneurial R&D	22
			Governmental R&D	19
			Crime & Warfare	20
Safety	23	0.543	Industrial Disaster	9
Jaiety	23	0.543	Natural Disaster Management	26
			Safety in Public Health	24
			·	

Slovak Rep.

28/34

	Rank/34	Score(0-1)	Capital City	Bratislava
2016-17 Government Competitiveness	28	0.386	Population	5,428,704 (2016 est.)
2015-16 Government Competitiveness	31	0.375	GDP (PPP)	166,291,810,707 USD (2016 est.)
2014-15 Government Competitiveness	30	0.349	Unemployment rate	11.48% (2015 est.)
2013-14 Government Competitiveness	31	0.357	Constitutional Form	Republic



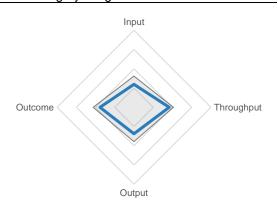
Poland 29/34

	Rank/34	Score(0-1)	Capital City	Warsaw
2016-17 Government Competitiveness	29	0.386	Population	37,948,016 (2016 est.)
2015-16 Government Competitiveness	30	0.376	GDP (PPP)	1,055,353,929,932 USD (2016 est.)
2014-15 Government Competitiveness	31	0.348	Unemployment rate	7.50% (2015 est.)
2013-14 Government Competitiveness	30	0.358	Constitutional Form	Republic

GC Ranking by Area



■ Poland
■ OECD Avg.



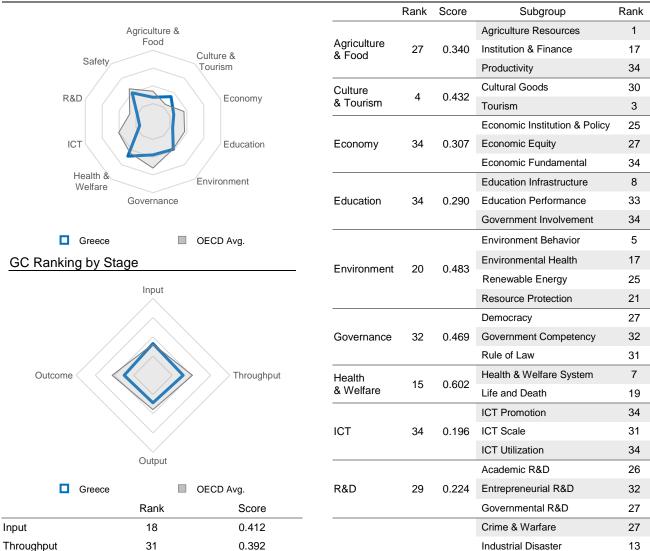
Poland	OECD Avg.				
	Rank	Score			
Input	32	0.298			
Throughput	27	0.458			
Output	31	0.344			
Outcome	25	0.442			

	Rank	Score	Subgroup	Rank
	9	0.498	Agriculture Resources	20
Agriculture & Food			Institution & Finance	15
a 1 000			Productivity	13
Culture	20	0.475	Cultural Goods	17
& Tourism	29	0.175	Tourism	33
			Economic Institution & Policy	21
Economy	17	0.446	Economic Equity	18
			Economic Fundamental	20
			Education Infrastructure	11
Education	23	0.387	Education Performance	29
			Government Involvement	20
	27		Environment Behavior	8
Environment		0.408	Environmental Health	30
Environment		0.408	Renewable Energy	30
			Resource Protection	29
	27	0.549	Democracy	30
Governance			Government Competency	29
			Rule of Law	19
Health	alth 32 0.402		Health & Welfare System	31
& Welfare	32	0.402	Life and Death	28
			ICT Promotion	30
ICT	31	0.262	ICT Scale	27
			ICT Utilization	33
			Academic R&D	32
R&D	32	0.211	Entrepreneurial R&D	28
			Governmental R&D	29
			Crime & Warfare	23
Cofotu	25	0.517	Industrial Disaster	7
Safety			Natural Disaster Management	23
			Safety in Public Health	31

Greece 30/34

	Rank/34	Score(0-1)	Capital City	Athens
2016-17 Government Competitiveness	30	0.384	Population	10,746,740 (2016 est.)
2015-16 Government Competitiveness	28	0.402	GDP (PPP)	287,830,201,511 USD (2016 est.)
2014-15 Government Competitiveness	32	0.343	Unemployment rate	24.90% (2015 est.)
2013-14 Government Competitiveness	32	0.321	Constitutional Form	Republic

GC Ranking by Area



Safety

0.357

0.375

28

0.497

Natural Disaster Management

Safety in Public Health

21

27

Output

Outcome

30

33

Hungary

31/34

	Rank/34	Score(0-1)	Capital City	Budapest
2016-17 Government Competitiveness	31	0.380	Population	9,817,958 (2016 est.)
2015-16 Government Competitiveness	29	0.385	GDP (PPP)	261,948,952,241 USD (2016 est.)
2014-15 Government Competitiveness	28	0.396	Unemployment rate	6.81% (2015 est.)
2013-14 Government Competitiveness	29	0.371	Constitutional Form	Republic

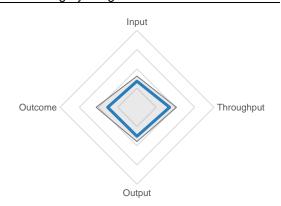
GC Ranking by Area



OECD Avg.

GC Ranking by Stage

Hungary



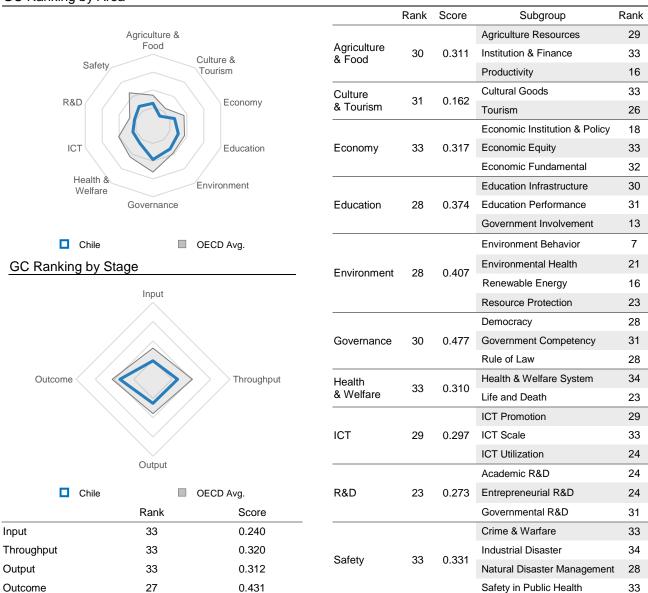
	nungary	OECD Avg.
	Rank	Score
Input	28	0.339
Throughput	30	0.424
Output	28	0.376
Outcome	32	0.381

	Rank	Score	Subgroup	Rank
			Agriculture Resources	13
Agriculture & Food	16	0.440	Institution & Finance	17
u 1 00u			Productivity	22
Culture	00	0.000	Cultural Goods	27
& Tourism	22	0.230	Tourism	21
			Economic Institution & Policy	8
Economy	20	0.437	Economic Equity	19
			Economic Fundamental	28
			Education Infrastructure	14
Education	31	0.337	Education Performance	27
			Government Involvement	33
			Environment Behavior	3
	00	0.470	Environmental Health	31
Environment	22	0.473	Renewable Energy	26
			Resource Protection	8
	31	0.477	Democracy	32
Governance			Government Competency	27
			Rule of Law	30
Health	20	0.400	Health & Welfare System	24
& Welfare	29	0.436	Life and Death	34
			ICT Promotion	27
ICT	30	0.265	ICT Scale	30
			ICT Utilization	32
			Academic R&D	31
R&D	33	0.206	Entrepreneurial R&D	29
			Governmental R&D	30
			Crime & Warfare	26
Cofoty	<u> </u>	0.500	Industrial Disaster	15
Safety	27		Natural Disaster Management	20
			Safety in Public Health	28
-				

Chile 32/34

	Rank/34	Score(0-1)	Capital City	Santiago
2016-17 Government Competitiveness	32	0.326	Population	17,909,754 (2016 est.)
2015-16 Government Competitiveness	32	0.363	GDP (PPP)	429,122,544,147 USD (2016 est.)
2014-15 Government Competitiveness	27	0.398	Unemployment rate	5.78% (2015 est.)
2013-14 Government Competitiveness	28	0.386	Constitutional Form	Republic

GC Ranking by Area



Mexico 33/34

	Rank/34	Score(0-
2016-17 Government Competitiveness	33	0.308
2015-16 Government Competitiveness	33	0.302
2014-15 Government Competitiveness	34	0.280
2013-14 Government Competitiveness	34	0.273

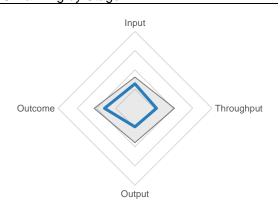
GC Ranking by Area





GC Ranking by Stage

Mexico



Mexico		OECD Avg.
	Rank	Score
Input	30	0.318
Throughput	34	0.279
Output	34	0.241
Outcome	31	0.396

Agriculture & Food 14 0.456 Institution & Finance & 31 Productivity 16 Culture & Tourism 16 0.297 Cultural Goods 11 Tourism 15 Economy 32 0.354 Economic Institution & Policy 22 Economic Fundamental 24 Education Infrastructure 3 Education 15 0.485 Education Performance 32 Government Involvement 2 Environment Behavior 1 Environmental Health 34 Renewable Energy 34 Resource Protection 26 Democracy 33 Governance 33 0.283 Government Competency 33 Rule of Law 34 Health & Welfare System 33 Welfare 34 0.258 ICT Promotion 33 ICT Promotion 33 1CT Promotion 33 ICT Utilization 28 Academic R&D 26 Governmental R&D 26 Crime & Warfare 34 Industrial Disaster 30		Rank	Score	Subgroup	Rank
& Food 14 0.435 Institution of markets 31 Productivity 6 Culture & Tourism 16 0.297 Cultural Goods Tourism 11 Economic Institution & Policy 22 Economic Equity 34 Economic Fundamental 24 Education Infrastructure 3 Education Performance 32 Government Involvement 2 Environment Behavior 1 Environmental Health 34 Resource Protection 26 Democracy 33 Rule of Law 34 Health & Welfare System 33 & Welfare 34 0.258 Health & Welfare System 33 ICT Promotion 33 1 1 1 ICT Promotion 33 3 1 2 R&D 33 1 2 3 ICT Promotion 33 3 3 3 ICT Utilization 28 2 3			0.456	Agriculture Resources	16
Productivity 6		14		Institution & Finance	31
Tourism				Productivity	6
Tourism	Culture	16	0.207	Cultural Goods	11
Economy 32 0.354 Economic Equity 24	& Tourism	10	0.297	Tourism	15
Economic Fundamental 24				Economic Institution & Policy	22
Education 15	Economy	32	0.354	Economic Equity	34
Education 15 0.485 Education Performance 32 Government Involvement 2 Environment Behavior 1 Environment Behavior 1 Environmental Health 34 Renewable Energy 34 Resource Protection 26 Democracy 33 Rule of Law 34 Health & Welfare System 33 & Welfare 34 ICT Promotion 33 ICT Promotion 33 ICT Scale 34 ICT Utilization 28 Academic R&D 33 R&D 28 Academic R&D 27 Governmental R&D 26 Crime & Warfare 34 Industrial Disaster 30 Natural Disaster Management 33				Economic Fundamental	24
Safety 34 O.200 Government Involvement 2				Education Infrastructure	3
Environment 33 0.300 Environment Behavior 1 Environmental Health 34 Renewable Energy 34 Resource Protection 26 Democracy 33 Government Competency 33 Rule of Law 34 Health & Welfare System 33 Life and Death 30 ICT Promotion 33 ICT 33 0.215 ICT Scale 34 ICT Utilization 28 R&D 28 0.236 Entrepreneurial R&D 27 Governmental R&D 26 Crime & Warfare 34 Industrial Disaster Management 33 Safety 34 0.200 Resource Protection 14 Renewable Energy 34 Renewab	Education	15	0.485	Education Performance	32
Environment 33 0.300 Environmental Health 34 Renewable Energy 34 Resource Protection 26 Governance 33 0.283 Government Competency 33 Rule of Law 34 Health 34 0.258 Health & Welfare System 33 Life and Death 30 ICT 33 0.215 ICT Scale 34 ICT Utilization 28 R&D 28 0.236 Entrepreneurial R&D 27 Governmental R&D 26 Crime & Warfare 34 Industrial Disaster 30 Natural Disaster Management 33				Government Involvement	2
Environment 33 0.300 Renewable Energy 34 Resource Protection 26 Democracy 33 Governance 33 0.283 Government Competency 33 Rule of Law 34 34 Health & Welfare System 33 Life and Death 30 ICT Promotion 33 ICT Promotion 33 1CT Scale 34 ICT Utilization 28 Academic R&D 33 R&D 28 0.236 Entrepreneurial R&D 27 Governmental R&D 26 Crime & Warfare 34 Industrial Disaster 30 Natural Disaster Management 33		33		Environment Behavior	1
Renewable Energy 34 Resource Protection 26 Democracy 33 33 34 Resource Protection 26 Democracy 33 34 34 34 34 34 34 3	Environment		0.200	Environmental Health	34
Governance 33 0.283 Democracy 33 Health & Welfare 34 0.258 Health & Welfare System 33 & Welfare 34 0.258 Health & Welfare System 33 Life and Death 30 ICT Promotion 33 ICT 33 0.215 ICT Scale 34 ICT Utilization 28 Academic R&D 33 R&D 28 0.236 Entrepreneurial R&D 27 Governmental R&D 26 Crime & Warfare 34 Industrial Disaster 30 Natural Disaster Management 33	Environment		0.300	Renewable Energy	34
Governance 33 0.283 Government Competency 33 Rule of Law 34 34 Health & Welfare System 33 & Welfare 34 0.258 Life and Death 30 ICT Promotion 33 ICT Scale 34 ICT Utilization 28 Academic R&D 33 R&D 28 Covernmental R&D 27 Governmental R&D 26 Crime & Warfare 34 Industrial Disaster 30 Natural Disaster Management 33				Resource Protection	26
Rule of Law 34 Health & Welfare System 33 & Welfare 34 0.258 ICT Promotion 33 ICT Scale 34 ICT Utilization 28 Academic R&D 33 R&D 28 0.236 Entrepreneurial R&D 27 Governmental R&D 26 Crime & Warfare 34 Industrial Disaster 30 Natural Disaster Management 33			0.283	Democracy	33
Health & Welfare 34 0.258 Health & Welfare System 33 Life and Death 30 30 ICT Promotion 33 33 ICT Scale 34 ICT Utilization 28 Academic R&D 33 R&D 28 0.236 Entrepreneurial R&D 27 Governmental R&D 26 Crime & Warfare 34 Industrial Disaster 30 Natural Disaster Management 33	Governance	33		Government Competency	33
Realth & Welfare 34 0.258 Life and Death 30				Rule of Law	34
Life and Death 30	Health	24	0.259	Health & Welfare System	33
ICT 33 0.215 ICT Scale 34 ICT Utilization 28 Academic R&D 33 R&D 28 0.236 Entrepreneurial R&D 27 Governmental R&D 26 Crime & Warfare 34 Industrial Disaster 30 Natural Disaster Management 33	& Welfare	34	0.256	Life and Death	30
ICT Utilization 28				ICT Promotion	33
R&D 28 0.236 Entrepreneurial R&D 27 Governmental R&D 26 Crime & Warfare 34 Industrial Disaster 30 Natural Disaster Management 33	ICT	33	0.215	ICT Scale	34
R&D 28 0.236 Entrepreneurial R&D 27 Governmental R&D 26 Crime & Warfare 34 Industrial Disaster 30 Natural Disaster Management 33				ICT Utilization	28
Governmental R&D 26 Crime & Warfare 34 Industrial Disaster 30 Natural Disaster Management 33				Academic R&D	33
Crime & Warfare 34 Safety 34 0.200 Natural Disaster Management 33	R&D	28	0.236	Entrepreneurial R&D	27
Safety 34 0.200 Industrial Disaster 30 Natural Disaster Management 33				Governmental R&D	26
Safety 34 0.200 Natural Disaster Management 33				Crime & Warfare	34
Natural Disaster Management 33	Safaty	24	0.200	Industrial Disaster	30
0.4.1.5.11.11.11	Jaiety	34		Natural Disaster Management	33
Safety in Public Health 34				Safety in Public Health	34

Turkey 34/34

	Rank/34	Score(0-1)	Capital City	Ankara
2016-17 Government Competitiveness	34	0.298	Population	79,512,426 (2016 est.)
2015-16 Government Competitiveness	34	0.299	GDP (PPP)	1,927,693,211,930 USD (2016 est.)
2014-15 Government Competitiveness	33	0.324	Unemployment rate	10.24% (2015 est.)
2013-14 Government Competitiveness	33	0.312	Constitutional Form	Republic

GC Ranking by Area



	rain	00010	Oubgroup	IXAIIIX
			Agriculture Resources	10
Agriculture & Food	7	0.506	Institution & Finance	28
G			Productivity	1
Culture	26	0.198	Cultural Goods	32
& Tourism	20	0.190	Tourism	20
			Economic Institution & Policy	4
Economy	30	0.366	Economic Equity	31
			Economic Fundamental	33
			Education Infrastructure	22
Education	Education 33 0.29	0.291	Education Performance	34
			Government Involvement	21
			Environment Behavior	2
Environment	24	0.271	Environmental Health	33
Environment	34		Renewable Energy	31
			Resource Protection	30
			Democracy	34
Governance	rnance 34 0.1		Government Competency	34
			Rule of Law	33
Health	07	0.400	Health & Welfare System	22
& Welfare	27	0.463	Life and Death	32
			ICT Promotion	32
ICT	32	0.258	ICT Scale	32
			ICT Utilization	29
			Academic R&D	34
R&D	34	0.082	Entrepreneurial R&D	34
			Governmental R&D	34
			Crime & Warfare	31
C-f-ti.	20	0.372	Industrial Disaster	12
Safety	32 (Natural Disaster Management	34

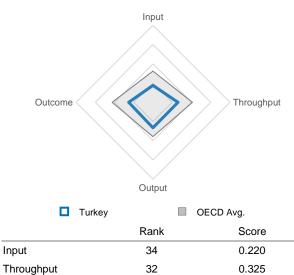
Safety in Public Health

32

Subgroup

Rank

Rank Score



32

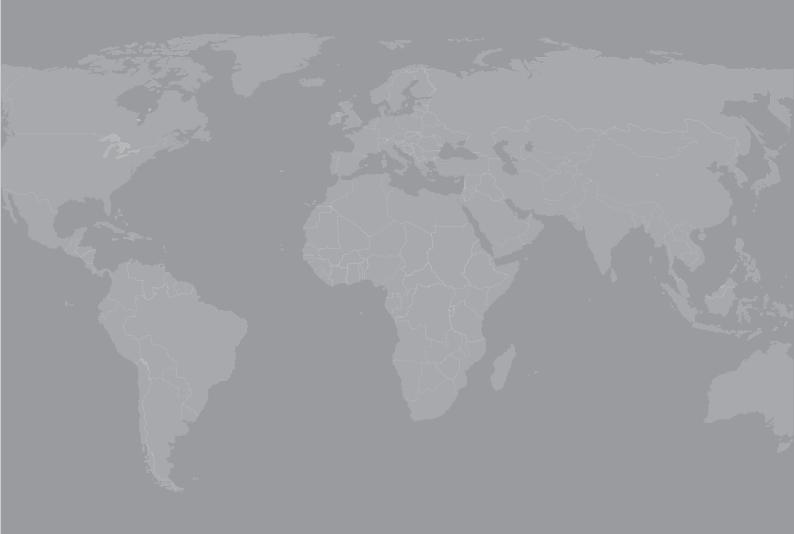
34

0.331

0.316

Output

Outcome



Part 3. 2017 Government Competitiveness Results 2. Rankings of Non-OECD Countries

Singapore
Korea, Rep.
Qatar
Costa Rica
Uruguay
Lithuania
Bulgaria
Malaysia
Romania
Belarus
Latvia
Mauritius
Panama
Kuwait
Bahrain

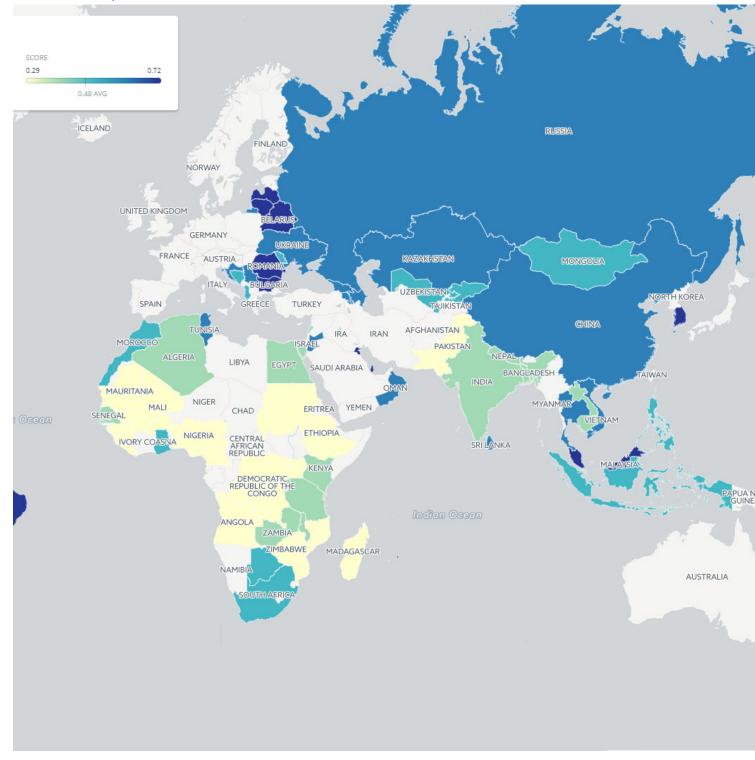
Brazil
Argentina
Russia
Croatia
Thailand
Kazakhstan
Serbia
Colombia
Oman
China
Peru
Azerbaijan
Armenia
Sri Lanka
Jordan

Tunisia
Ecuador
Georgia
Ukraine
Uzbekistan
Philippines
Moldova
Albania
Paraguay
Dominican Republic
South Africa
Indonesia
Morocco
Mongolia

Jamaica
Botswana
El Salvador
Kyrgyz Republic
Ghana
Bosnia and Herzegovina
Honduras
Algeria
Venezuela, RB
Rwanda
Guatemala
Egypt, Arab Rep.
Lebanon
Nicaragua

Nepal Senegal Lao PDR Kenya Cambodia Tanzania Zambia Bangladesh Malawi Timor-Leste Cameroon Uganda Zimbabwe Benin Burkina Faso
Ethiopia
Pakistan
Mali
Mozambique
Liberia
Sierra Leone
Nigeria
Mauritania
Angola
Madagascar
Guinea
Sudan

Government Competitiveness 2017



Korea, Rep. Qatar
Costa Rica
Uruguay
Lithuania
Bulgaria
Malaysia
Romania
Belarus
Latvia
Mauritius
Panama
Kuwait
Bahrain

Singapore

Brazil
Argentina
Russia
Croatia
Thailand
Kazakhstan
Serbia
Colombia
Oman
China
Peru
Azerbaijan
Armenia
Sri Lanka
Jordan

Vietnam
Tunisia
Ecuador
Georgia
Ukraine
Uzbekistan
Philippines
Moldova
Albania
Paraguay
Dominican Republic
South Africa
Indonesia
Morocco
Mongolia

Jamaica
Botswana
El Salvador
Kyrgyz Republic
Ghana
Bosnia and Herzegovina
Honduras
Algeria
Venezuela, RB
Rwanda
Guatemala
Egypt, Arab Rep.
Lebanon
Nicaragua

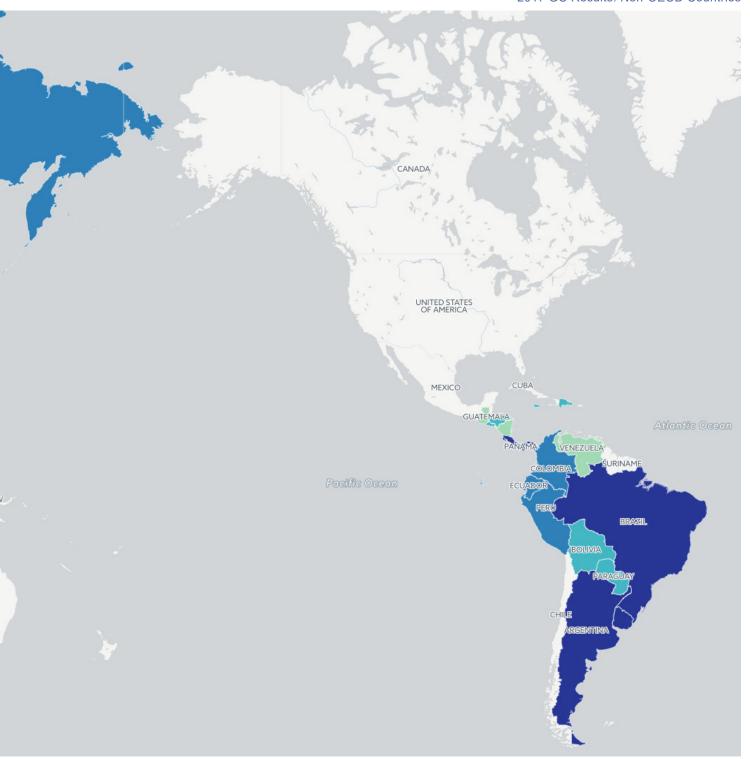
Bolivia

Nepal Senegal Lao PDR Kenya Cambodia Tanzania Zambia Bangladesh Malawi Timor-Leste Cameroon Uganda Zimbabwe Benin

India

Burkina Faso
Ethiopia
Pakistan
Mali
Mozambique
Liberia
Sierra Leone
Nigeria
Mauritania
Angola
Madagascar
Guinea
Sudan
Congo, Dem. Rep.

2017 GC Results: Non-OECD Countries



2017 Non-OECD Government Competitiveness Score

Government Competitiveness Rankings 2016-2017: Non-OECD Countries

Country	2017	2016	Change	Country	2017	2016	Change	Country	2017	2016	Change
Singapore	1	1	0	Vietnam	31	22	-9	India	61	56	-5
Korea, Rep.	2	2	0	Tunisia	32	35	3	Nepal	62	61	-1
Qatar	3	5	2	Ecuador	33	28	-5	Senegal	63	66	3
Costa Rica	4	3	-1	Georgia	34	25	-9	Lao PDR	64	57	-7
Uruguay	5	6	1	Ukraine	35	38	3	Kenya	65	68	3
Lithuania	6	8	2	Uzbekistan	36	43	7	Cambodia	66	63	-3
Bulgaria	7	7	0	Philippines	37	26	-11	Tanzania	67	71	4
Malaysia	8	4	-4	Moldova	38	48	10	Zambia	68	67	-1
Romania	9	15	6	Albania	39	36	-3	Bangladesh	69	65	-4
Belarus	10	13	3	Paraguay	40	33	-7	Malawi	70	70	0
Latvia	11	9	-2	Dominican Republic	41	44	3	Timor-Leste	71	72	1
Mauritius	12	16	4	South Africa	42	50	8	Cameroon	72	69	-3
Panama	13	10	-3	Indonesia	43	30	-13	Uganda	73	73	0
Kuwait	14	12	-2	Morocco	44	47	3	Zimbabwe	74	76	2
Bahrain	15	14	-1	Mongolia	45	54	9	Benin	75	74	-1
Brazil	16	19	3	Bolivia	46	45	-1	Burkina Faso	76	77	1
Argentina	17	21	4	Jamaica	47	46	-1	Ethiopia	77	78	1
Russian Federation	18	24	6	Botswana	48	40	-8	Pakistan	78	79	1
Croatia	19	17	-2	El Salvador	49	42	-7	Mali	79	83	4
Thailand	20	11	-9	Kyrgyz Republic	50	55	5	Mozambique	80	75	-5
Kazakhstan	21	29	8	Ghana	51	52	1	Liberia	81	80	-1
Serbia	22	18	-4	Bosnia and Herzegovina	52	39	-13	Sierra Leone	82	82	0
Colombia	23	23	0	Honduras	53	59	6	Nigeria	83	81	-2
Oman	24	27	3	Algeria	54	62	8	Mauritania	84	86	2
China	25	20	-5	Venezuela, RB	55	41	-14	Angola	85	84	-1
Peru	26	32	6	Rwanda	56	53	-3	Madagascar	86	85	-1
Azerbaijan	27	37	10	Guatemala	57	58	1	Guinea	87	87	0
Armenia	28	49	21	Egypt, Arab Rep.	58	64	6	Sudan	88	88	0
Sri Lanka	29	34	5	Lebanon	59	60	1	Congo, Dem. Rep.	89	89	0
Jordan	30	31	1	Nicaragua	60	51	-9	TOD.			

Singapore

1/89

	Rank/89	Score(0-1)	Capital City Singapore
2016-17 Government Competitiveness	1	0.7196	Population 5,607,283 (2016 est.)
2015-16 GC	1	0.7439	GDP (PPP) 492,631,127,714 USD (2016 est.)
2014-15 GC	1	0.7345	Unemployment rate 1.69% (2015 est.)
2013-14 GC	1	0.7053	Constitutional Form Republic

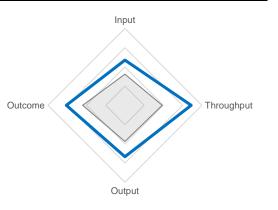
GC Ranking by Area



Siliga	pore
GC Ranking by	Stage



■ Non-OECD Avg.



Singapore		Non-OECD Avg.
	Rank	Score
Input	1	0.5882
Throughput	1	0.8616
Output	1	0.6673
Outcome	2	0.7613

	Rank	Score	Subgroup	Rank
		0.537	Agriculture Resources	89
Agriculture &	18		Food Quality & Safety	18
Food	10	0.557	Institution & Finance	2
			Productivity	77
			Economic Equity	56
Economy	1	0.719	Economic Fundamental	1
			Economic Institution & Policy	2
			Education Diversity	1
Education	4	0.751	Education Infrastructure	1
Education	1	0.751	Education Performance	4
			Government Involvement	27
	00	0.544	Air & Water Quality	1
			Environment Behavior	81
Environment	28		Natural Resources	60
			Renewable Energy	83
		0.738	Democracy	45
Governance	2		Government Competency	1
			Rule of Law	2
			Child Welfare	11
Health &	28	0.630	Disease Management	32
Welfare	20	0.030	Health & Welfare System	23
			Life & Death	66
			ICT Promotion	1
ICT	1	0.928	ICT Scale	1
			ICT Utilization	1
lafaa atuu satu wa		0.700	Infrastructure Investment	4
Infrastructure	1	0.729	Infrastructure Utility	2
			Crime & Warfare	1
Safety	1	0.901	Natural Disaster Management	1
			Safety and Health	8
_				

Korea, Rep.

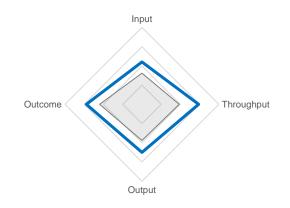
2/89

	Rank/89	Score(0-1)	Capital City	Seoul
2016-17 Government Competitiveness	2	0.659	Population	51,245,707 (2016 est.)
2015-16 GC	2	0.689	GDP (PPP)	1,832,073,483,290 USD (2016 est
2014-15 GC	2	0.687	Unemployment rate	3.63% (2015 est.)
2013-14 GC	2	0.668	Constitutional Form	Republic

GC Ranking by Area







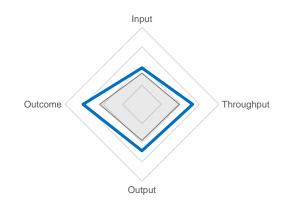
	когеа, кер.	Non-OECD Avg.
	Rank	Score
Input	2	0.551
Throughput	2	0.738
Output	3	0.624
Outcome	3	0.722

	Rank	Score	Subgroup	Rank			
			Agriculture Resources Food Quality & Safety Institution & Finance Productivity Economic Equity Economic Fundamental Economic Institution & Policy Education Diversity Education Infrastructure Education Performance Government Involvement Air & Water Quality Environment Behavior Natural Resources Renewable Energy Democracy Government Competency Rule of Law Child Welfare Disease Management Life & Death LICT Promotion Infrastructure Investment Agriculture Resources For a control of the control of th				
Agriculture &	9	0.570	Food Quality & Safety	8			
Food	9	0.578	Agriculture Resources Food Quality & Safety Institution & Finance Productivity Economic Equity Economic Fundamental Economic Institution & Policy Education Diversity Education Infrastructure Education Performance Government Involvement Air & Water Quality Environment Behavior Natural Resources Renewable Energy Democracy Government Competency Rule of Law Child Welfare Disease Management Life & Death ICT Promotion Infrastructure Investment Infrastructure Utility Crime & Warfare Natural Disaster Management				
			Productivity	84			
			Economic Equity	83			
Economy	10	0.554	Economic Fundamental	4			
			Economic Institution & Policy	5			
			Education Diversity	26			
Education	2	0.729	Agriculture Resources Food Quality & Safety Institution & Finance Productivity Economic Equity Economic Fundamental Economic Institution & Policy Education Diversity Education Infrastructure Education Performance Government Involvement Air & Water Quality Environment Behavior Natural Resources Renewable Energy Democracy Government Competency Rule of Law Child Welfare Disease Management Life & Death ICT Promotion ICT Scale ICT Utilization Infrastructure Utility Crime & Warfare Natural Disaster Management				
Education	2	0.729	Agriculture Resources Food Quality & Safety Institution & Finance Productivity Economic Equity Economic Fundamental Economic Institution & Policy Education Diversity Education Performance Government Involvement Air & Water Quality Environment Behavior Natural Resources Renewable Energy Democracy Government Competency Rule of Law Child Welfare Disease Management Life & Death ICT Promotion ICT Scale ICT Utilization Infrastructure Investment Infrastructure Utility Crime & Warfare Natural Disaster Management				
			Government Involvement	3			
		52 0.500	Agriculture Resources 57 Food Quality & Safety 8 Institution & Finance 4 Productivity 84 Economic Equity 83 Economic Fundamental 4 Economic Institution & Policy 5 Education Diversity 26 Education Diversity 26 Education Performance 3 Government Involvement 3 Air & Water Quality 15 Environment Behavior 87 Natural Resources 43 Renewable Energy 34 Democracy 13 Government Competency 12 Rule of Law 4 Child Welfare 3 Disease Management 26 Health & Welfare System 3 Life & Death 62 ICT Promotion 7 ICT Scale 2 ICT Utilization 2 Infrastructure Investment 33 Infrastructure Utility 4 Crime & Warfare 9 Natural Disaster Management 6				
Environment	52		Agriculture Resources Food Quality & Safety Institution & Finance Productivity Economic Equity Economic Fundamental Economic Institution & Policy Education Diversity Education Infrastructure Education Performance Government Involvement Air & Water Quality Environment Behavior Natural Resources Renewable Energy Democracy Government Competency 1 Rule of Law Child Welfare Disease Management Life & Death ICT Promotion ICT Scale ICT Utilization Infrastructure Investment Infrastructure Utility Crime & Warfare Natural Disaster Management				
Environment	32	0.500	Agriculture Resources 57 Food Quality & Safety 8 Institution & Finance 4 Productivity 84 Economic Equity 83 Economic Fundamental 4 Economic Institution & Policy 5 Education Diversity 26 Education Infrastructure 44 Education Performance 3 Government Involvement 3 Air & Water Quality 15 Environment Behavior 87 Natural Resources 43 Renewable Energy 34 Democracy 13 Government Competency 12 Rule of Law 4 Child Welfare 3 Disease Management 26 Health & Welfare System 3 Life & Death 62 ICT Promotion 7 ICT Scale 2 ICT Utilization 2 Infrastructure Investment 33 Infrastructure Utility 4 Crime & Warfare 9 Natural Disaster Management 6				
			Renewable Energy	34			
			Democracy	13			
Governance	5	0.702	Government Competency	12			
			Rule of Law	4			
			Child Welfare	3			
Health &	1	0.712	Disease Management	26			
Welfare	ı	0.712	Health & Welfare System	3			
			Life & Death	62			
			Agriculture Resources Food Quality & Safety Institution & Finance Productivity Economic Equity Economic Fundamental Economic Institution & Policy Education Diversity Education Infrastructure Education Performance Government Involvement Air & Water Quality Environment Behavior Natural Resources Renewable Energy Democracy 13 Government Competency Rule of Law Child Welfare Disease Management Health & Welfare System Life & Death 1CT Promotion 7 ICT Scale ICT Utilization 2 Infrastructure Investment Infrastructure Utility Atural Disaster Management 6 Agreed Agree Agreed Agreed				
ICT	2	0.784	ICT Scale	2			
			ICT Utilization	2			
Infrastructura	2	0.660	Infrastructure Investment	33			
Infrastructure	3	0.668	Infrastructure Utility	84 83 mental 4 ion & Policy 5 ity 26 ructure 44 mance 3 livement 3 ity 15 avior 87 as 43 gy 34 13 ment 26 System 3 62 7 2 estment 33 ity 4 9 Management 6			
			Crime & Warfare	9			
Safety	7	0.701	ICT Scale 2 ICT Utilization 2 Infrastructure Investment 33 Infrastructure Utility 4 Crime & Warfare 9				
			Infrastructure Investment 3: Infrastructure Utility 4 Crime & Warfare 9 Natural Disaster Management 6				
· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·				

Qatar 3/89

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	3	0.625
2015-16 GC	5	0.614
2014-15 GC	3	0.632
2013-14 GC	6	0.587

Agriculture & Food Safety Economy Infrastructure Health & Governance Qatar Non-OECD Avg.



Qatar	Non-OECD Avg.		
	Rank	Score	
Input	19	0.474	
Throughput	7	0.660	
Output	5	0.603	
Outcome	1	0.765	

	Rank	Score	Subgroup	Rank	
			Subgroup Ran Agriculture Resources 25 Food Quality & Safety 25 Institution & Finance 9 Productivity 32 Economic Equity 46 Economic Fundamental 2 Economic Institution & Policy 25 Education Diversity 2 Education Performance 19 Government Involvement 29 Air & Water Quality 67 Environment Behavior 89 Natural Resources 84 Renewable Energy - Democracy 82 Government Competency 3 Rule of Law 7 Child Welfare - Disease Management 11 Health & Welfare System 30 Life & Death 28 ICT Promotion 2 ICT Scale 9 ICT Utilization 3 Infrastructure Utility 1 Crime & Warfare 6		
Agriculture &	4	0.597	Agriculture Resources Food Quality & Safety Institution & Finance Productivity Economic Equity Economic Fundamental Economic Institution & Policy Education Diversity Education Infrastructure Education Performance Government Involvement Air & Water Quality Environment Behavior Natural Resources Renewable Energy Democracy Government Competency Rule of Law Child Welfare Disease Management Life & Death ICT Promotion ICT Scale ICT Utilization		
Food	4	0.597	Agriculture Resources Food Quality & Safety Institution & Finance Productivity Economic Equity Economic Fundamental Economic Institution & Policy Education Diversity Education Infrastructure Education Performance Government Involvement Air & Water Quality Environment Behavior Natural Resources Renewable Energy Democracy Government Competency Rule of Law 7 Child Welfare Disease Management Life & Death ICT Promotion Infrastructure Investment 7 Infrastructure Utility 1 Crime & Warfare		
			Productivity	32	
			Economic Equity	46	
Economy	2	0.621	Economic Fundamental	2	
			Economic Institution & Policy	25	
			Education Diversity	2	
Education	7	0.656	Education Infrastructure	50	
Education	7	0.000	Education Performance	19	
			Government Involvement	29	
			Air & Water Quality	67	
	00	0.444	Agriculture Resources Food Quality & Safety Institution & Finance Productivity Economic Equity Economic Fundamental Economic Institution & Policy Education Diversity Education Infrastructure Education Performance Government Involvement Air & Water Quality Environment Behavior Natural Resources Renewable Energy Democracy Government Competency Rule of Law Child Welfare Disease Management Life & Death ICT Promotion ICT Scale ICT Utilization Infrastructure Investment Infrastructure Utility Crime & Warfare Natural Disaster Management 2 2 2 2 2 2 2 2 3 3 4 4 4 4 4 4 5 6 6 7 7 7 7 7 7 7 7 7 7 7		
Environment	69	0.444	Agriculture Resources Food Quality & Safety Institution & Finance Productivity Economic Equity Economic Fundamental Economic Institution & Policy Education Diversity Education Infrastructure Education Performance Government Involvement Air & Water Quality Environment Behavior Natural Resources Renewable Energy Democracy Government Competency Rule of Law Child Welfare Disease Management 1 Health & Welfare System 1 Life & Death 1 CT Promotion 1 ICT Scale 1 Infrastructure Investment 1 Infrastructure Utility Crime & Warfare Natural Disaster Management 2 Seconomic Relative Secon		
			Renewable Energy	-	
			Democracy	82	
Governance	27	0.526	Government Competency	3	
			Rule of Law	7	
			Child Welfare	-	
Health &	25	0.622	Disease Management	11	
Welfare	25	0.033	Health & Welfare System	30	
			Life & Death	28	
			ICT Promotion	2	
ICT	3	0.750	ICT Scale	9	
		0.633	ICT Utilization	3	
		0.000	Infrastructure Investment	7	
Infrastructure	2	0.690	Infrastructure Utility	1	
			Crime & Warfare	6	
Safety	3	0.713	Economic Fundamental 2 Economic Institution & Policy 25 Education Diversity 2 Education Infrastructure 50 Education Performance 19 Government Involvement 29 Air & Water Quality 67 Environment Behavior 89 Natural Resources 84 Renewable Energy - Democracy 82 Government Competency 3 Rule of Law 7 Child Welfare - Disease Management 11 Health & Welfare System 30 Life & Death 28 ICT Promotion 2 ICT Scale 9 ICT Utilization 3 Infrastructure Investment 7 Infrastructure Utility 1 Crime & Warfare 6 Natural Disaster Management 26		
			Safety and Health	1	

Costa Rica

4/89

Rank

57

8

4

84

87

43

34

8

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	4	0.621
2015-16 GC	3	0.623
2014-15 GC	4	0.631
2013-14 GC	5	0.590

Capital City 4,857,274 (2016 est.) Population

GDP (PPP) 80,699,180,139 USD (2016 est.)

San Jose

Unemployment rate 9.61% (2015 est.)

Rank Score

0.551

14

8

3

0.653

Constitutional Form Republic

GC Ranking by Area



Education 6 0.661

Environment

Safety

Agriculture &

Food

Economy

Economic Equity 83 0.559 **Economic Fundamental** 4 **Economic Institution & Policy** 5 **Education Diversity** 26 **Education Infrastructure** 44 **Education Performance** 3 Government Involvement 3 Air & Water Quality 15

Subgroup

Agriculture Resources

Food Quality & Safety

Institution & Finance

Environment Behavior

Natural Resources

Renewable Energy

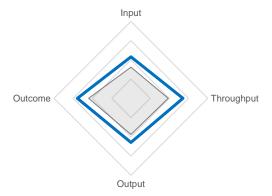
Natural Disaster Management

Safety and Health

Productivity

GC Ranking by Stage

Costa Rica



Non-OECD Avg.

	Costa Rica		Non-OECD Avg.
		Rank	Score
Input		4	0.540
Throughput		5	0.677
Output		9	0.573
Outcome		4	0.696

			Democracy	13		
Governance	3	0.734	Government Competency Rule of Law 4 Child Welfare 3 Disease Management Health & Welfare System Life & Death 62 ICT Promotion ICT Scale 1CT Utilization 2 Infrastructure Investment Infrastructure Utility 15			
			Rule of Law	4		
			Child Welfare	3		
Health &	10	0.070	Disease Management	26		
Welfare	10	0.672	Health & Welfare System	3		
			Life & Death	62		
			ICT Promotion	7		
ICT	14	0.542	ICT Scale	2		
			ICT Utilization	2		
Infrastructure	20	0.509	Infrastructure Investment	37		
IIIIIasiiuciule	20	0.509	Rule of Law 4 Child Welfare 3 Disease Management 26 Health & Welfare System 3 Life & Death 62 ICT Promotion 7 ICT Scale 2 ICT Utilization 2 Infrastructure Investment 37 Infrastructure Utility 19			
			Crime & Warfare	23		

0.708

Subgroup

Uruguay

5/89

Rank

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	5	0.603
2015-16 GC	6	0.606
2014-15 GC	5	0.626
2013-14 GC	4	0.602

 Capital City
 Montevideo

 Population
 3,444,006 (2016 est.)

 GDP (PPP)
 74,477,555,803 USD (2016 est.)

Unemployment rate 7.49% (2015 est.)

Rank Score

Constitutional Form Republic

GC Ranking by Area

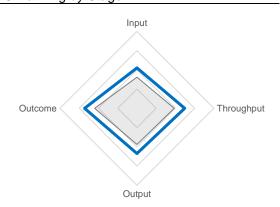


nance	Education	8	0.6

■ Non-OECD Avg.

GC Ranking by Stage

Uruguay



	Uruguay	Non-OECD Avg.			
	Rank	Score			
Input	5	0.526			
Throughput	10	0.621			
Output	7	0.587			
Outcome	7	0.680			

			.				
			Agriculture Resources	57			
Agriculture & Food		0.504	Food Quality & Safety Institution & Finance Productivity Economic Equity Economic Fundamental Economic Institution & Policy Education Diversity Education Infrastructure Education Performance Government Involvement				
	8	0.581	Institution & Finance	4			
			Productivity	84			
			Economic Equity	83			
Economy	13	0.544	Economic Fundamental	4			
			Economic Institution & Policy	5			
			Education Diversity	26			
Education		0.040	Education Infrastructure	44			
Education	8	0.646	Education Performance	3			
			Government Involvement	3			
			Environment Behavior 8				
F	5 4	0.504					
Environment	51	0.501	Food Quality & Safety Institution & Finance Productivity Economic Equity Economic Fundamental Economic Institution & Policy Education Diversity Education Infrastructure Education Performance Government Involvement Air & Water Quality Environment Behavior Natural Resources Renewable Energy Democracy Government Competency Rule of Law Child Welfare Disease Management Health & Welfare System Life & Death ICT Promotion ICT Scale ICT Utilization Infrastructure Utility Crime & Warfare 88 Economic Finance A Policy 89 Education Performance A Policy 80				
			Renewable Energy	34			
			Democracy	13			
Governance	1	0.751	Government Competency	12			
			Rule of Law	4			
			Child Welfare	3			
Health &	2	0.705	Disease Management	26			
Welfare	2	0.705	Health & Welfare System	3			
			Life & Death	62			
			ICT Promotion	7			
ICT	8	0.618	ICT Scale	2			
			ICT Utilization	2			
		0.407	Infrastructure Investment	59			
Infrastructure	23	0.497	Infrastructure Utility	8			
			Productivity 84 Economic Equity 83 Economic Fundamental 4 Economic Institution & Policy 5 Education Diversity 26 Education Infrastructure 44 Education Performance 3 Government Involvement 3 Air & Water Quality 15 Environment Behavior 87 Natural Resources 43 Renewable Energy 34 Democracy 13 Government Competency 12 Rule of Law 4 Child Welfare 3 Disease Management 26 Health & Welfare System 3 Life & Death 62 ICT Promotion 7 ICT Scale 2 ICT Utilization 2 Infrastructure Investment 59 Infrastructure Utility 8 Crime & Warfare 32				
Safety	32	0.588	Natural Disaster Management	47			
			Safety and Health	6			

Lithuania

6/89

Rank

23

3

50

4

86

6

7

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	6	0.594
2015-16 GC	8	0.581
2014-15 GC	6	0.614
2013-14 GC	3	0.619

Vilnius Capital City 2,872,298 (2016 est.) Population

GDP (PPP) 86,071,646,855 USD (2016 est.)

Unemployment rate 9.12% (2015 est.)

Rank Score

Constitutional Form Republic

Environment

Welfare

ICT

GC Ranking by Area



Food Quality & Safety 5 Agriculture & 56 0.394 Food Institution & Finance 51 Productivity **Economic Equity** 65 **Economic Fundamental** 19 Economy 0.552 11 Economic Institution & Policy 1 **Education Diversity** 11 **Education Infrastructure** 47 Education 0.691 **Education Performance** 2 Government Involvement 28

Subgroup

Agriculture Resources

Air & Water Quality

Environment Behavior

Health & Welfare System

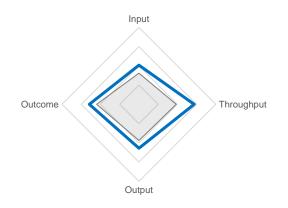
Life & Death

ICT Scale

ICT Promotion

GC Ranking by Stage

Lithuania



Non-OECD Avg.

	LIMIOIIIIEIK	,	0.040	Natural Resources	20
				Renewable Energy	56
Governand Health &		8		Democracy	6
	Governance		0.660	Government Competency	13
				Rule of Law	1
		20 (Child Welfare	-
	Health &		0.640	Disease Management	37

0.640

0.640

0.682

20

6

	Lithuania	■ Non	n-OECD Avg.
	Ra	ınk	Score
Input	-	7	0.509
Throughput	;	3	0.718
Output	1	0	0.570
Outcome	1	5	0.644

				ICT Utilization	5
	Infrastructure	13	0.530	Infrastructure Investment	16
			0.550	Infrastructure Utility	28
	Safety	41	0.561	Crime & Warfare	46
				Natural Disaster Management	20
				Safety and Health	18

Subgroup

Agriculture Resources

Bulgaria

7/89

Rank

22

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	7	0.593
2015-16 GC	7	0.584
2014-15 GC	11	0.574
2013-14 GC	-	-

Capital City Sofia

Population 7,127,822 (2016 est.)

GDP (PPP) 136,847,561,697 USD (2016 est.)

Unemployment rate 9.14% (2015 est.)

Rank Score

Constitutional Form Republic

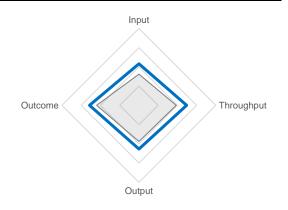
GC Ranking by Area



- -	Agriculture & Food	21	0.529	Food Quality & Safety	31
			0.529	Institution & Finance	17
				Productivity	73
		24		Economic Equity	50
	Economy		0.525	Economic Fundamental	29
				Economic Institution & Policy	6
		21	0.607	Education Diversity	37
	Education			Education Infrastructure	70
	Education				

GC Ranking by Stage

Bulgaria.



Non-OECD Avg.

	24		Education Diversity	37
Education		0.607	Education Infrastructure	70
Education	21	0.607	Education Performance	
			Government Involvement	35
		0.679	Air & Water Quality	7
Environment	2		Environment Behavior	56
LIMIOIIIIEII			Natural Resources	5
			Renewable Energy	12
	12	0.617	Democracy	15
Governance			Government Competency	11
			Rule of Law	12
	22	0.638	Child Welfare	17
Health &			Disease Management	33
Welfare	22		Health & Welfare System	8
			Life & Death	84
	16		ICT Promotion	32
ICT		0.538	ICT Scale	12

ICT Utilization

0.534

0.665

Infrastructure 11

Safety

Infrastructure Investment

Natural Disaster Management

Infrastructure Utility

Crime & Warfare

Safety and Health

ш	Bulgaria.	■ Non-OECD Avg.		
	Rank	Score		
Input	3	0.540		
Throughput	11	0.620		
Output	11	0.568		
Outcome	16	0.642		

20

13

18

26

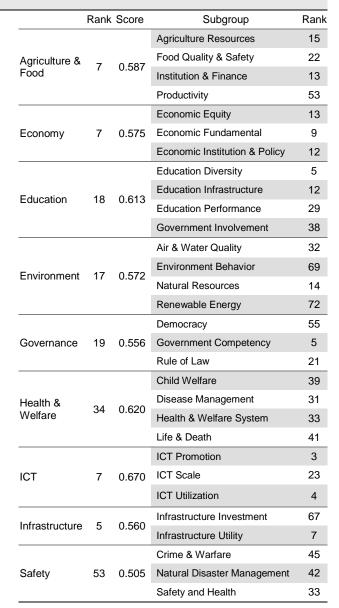
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17

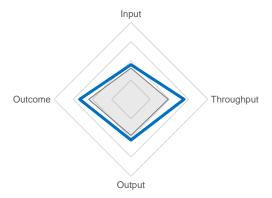
Malaysia

	Rank/89	Score(0-1)	Capital City Kuala Lumpur
2016-17 Government Competitiveness	8	0.584	Population 31,187,265 (2016 est.)
2015-16 GC	4	0.620	GDP (PPP) 863,287,467,785 USD (2016 est.)
2014-15 GC	7	0.603	Unemployment rate 3.10% (2015 est.)
2013-14 GC	8	0.564	Constitutional Form Constitutional monarchy

Agriculture & Food Safety Infrastructure Education Environment Health & Governance Malaysia Non-OECD Avg. GC Ranking by Stage



8/89



	Malaysia	Non-OECD Avg.	
	Rank	Score	
Input	24	0.451	
Throughput	4	0.691	
Output	26	0.529	
Outcome	10	0.666	

Romania

9/89

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	9	0.579
2015-16 GC	15	0.557
2014-15 GC	24	0.533
2013-14 GC	_	_

 Capital City
 Bucharest

 Population
 19,705,301 (2016 est.)

 GDP (PPP)
 465,564,786,366 USD (2016 est.)

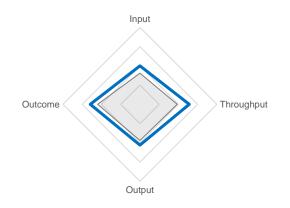
Constitutional Form Republic

Unemployment rate 6.81% (2015 est.)

GC Ranking by Area



Romania.	Non-OECD Avg.



	Romania.		Non-OECD Avg.
		Rank	Score
Input		10	0.501
Throughput		8	0.642
Output		24	0.529
Outcome		14	0.645

	Rank	Score	Subgroup	Rank
Agriculture &		0.040	Agriculture Resources	14
	2		Food Quality & Safety	9
Food	2	0.612	Institution & Finance	8
			Productivity	85
			Economic Equity	58
Economy	16	0.542	Economic Fundamental	17
			Economic Institution & Policy	4
			Education Diversity	16
Education	27	0.574	Education Infrastructure	63
Education	21	0.574	Education Performance	20
			Government Involvement	56
		0.621	Air & Water Quality	25
Environment	0		Environment Behavior	43
Environment	8		Natural Resources	16
			Renewable Energy	18
			Democracy	17
Governance	10	0.624	Government Competency	8
			Rule of Law	11
			Child Welfare	29
Health &	48	0.591	Disease Management	53
Welfare	40	0.591	Health & Welfare System	17
			Life & Death	80
			ICT Promotion	34
ICT	25	0.473	ICT Scale	21
			ICT Utilization	43
Lafora de catalona	00	0.400	Infrastructure Investment	31
Infrastructure	33	0.466	Infrastructure Utility	40
			Crime & Warfare	13
Safety	4	0.709	Natural Disaster Management	3
			Safety and Health	24

Belarus 10/89

	Rank/89	Score(0-1)	Capital City Minsk
2016-17 Government Competitiveness	10	0.572	Population 9,507,120 (2016 est.)
2015-16 GC	13	0.562	GDP (PPP) 171,702,513,122 USD (2016 est.)
2014-15 GC	17	0.542	Unemployment rate 1% (2015 est.)
2013-14 GC	_	-	Constitutional Form Republic

Agriculture & Food Safety Economy Infrastructure Education

Health &

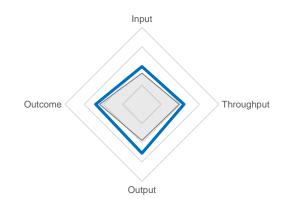
Welfare

GC Ranking by Stage

GC Ranking by Area

■ Belarus ■ Non-OECD Avg.

Governance



ш	Belarus	Non-OECD Avg.
	Rank	Score
Input	13	0.491
Throughput	28	0.547
Output	2	0.635
Outcome	37	0.601

Agriculture & Food Productivity 55 Economy 62 0.445 Economic Fundamental 61 Economic Institution & Policy 70 Education 10 0.642 Education Performance 1 Environment 53 0.499 Environment Behavior 79 Environment 53 0.499 Environment Competency 74 Education & Food Quality & Safety 6 Institution & Finance 42 Productivity 55 Economic Equity 40 Economic Institution & Policy 70 Education Diversity 44 Education Performance 1 Government Involvement 51 Air & Water Quality 21 Environment Behavior 79 Natural Resources 44 Renewable Energy 74 Democracy 69 Government Competency 37 Rule of Law 22 Child Welfare 7 Disease Management 6 Health & Welfare System 1 Life & Death 77 ICT Promotion - ICT Promotion - ICT Scale 3 ICT Utilization 10 Infrastructure 18 0.513 Infrastructure Investment 50 Infrastructure Utility 9 Crime & Warfare 12 Safety 17 0.643 Natural Disaster Management 5 Safety and Health 35		Rank Score		Subgroup	Rank
Productivity 55	Agriculture &			Agriculture Resources	27
Food		17	0.520	Food Quality & Safety	6
Economy 62 0.445 Economic Equity 40		17	0.559	Institution & Finance	42
Economy 62 0.445 Economic Fundamental Economic Institution & Policy 70 Education Education Diversity 44 Education Infrastructure 25 Education Performance 1 Government Involvement 51 Air & Water Quality 21 Environment Behavior 79 Natural Resources 44 Renewable Energy 74 Democracy 69 Government Competency 37 Rule of Law 22 Child Welfare 7 Disease Management 6 Health & Welfare System 1 Life & Death 77 ICT Promotion - ICT Scale 3 ICT Utilization 10 Infrastructure Investment 50 Infrastructure Utility 9 Crime & Warfare 12 Safety 17 0.643 Natural Disaster Management 5				Productivity	55
Economic Institution & Policy 70				Economic Equity	40
Education 10	Economy	62	0.445	Economic Fundamental	61
Education 10 0.642 Education Infrastructure 25 Education Performance 1 Government Involvement 51				Economic Institution & Policy	70
Education 10 0.642 Education Performance 1 Government Involvement 51 Air & Water Quality 21 Environment Behavior 79 Natural Resources 44 Renewable Energy 74 Democracy 69 Government Competency 37 Rule of Law 22 Child Welfare 7 Disease Management 6 Health & Welfare System 1 Life & Death 77 ICT Promotion - ICT Scale 3 ICT Utilization 10 Infrastructure Investment 50 Infrastructure Utility 9 Crime & Warfare 12 Safety 17 0.643 Natural Disaster Management 5				Education Diversity	44
Education Performance	Calina atiana	40	0.040	Education Infrastructure	25
Air & Water Quality 21	Education	10	0.642	Education Performance	1
Environment 53 0.499 Environment Behavior 79 Natural Resources 44 Renewable Energy 74 Democracy 69 Government Competency 37 Rule of Law 22 Child Welfare 7 Disease Management 6 Health & Welfare System 1 Life & Death 77 ICT Promotion - ICT Scale 3 ICT Utilization 10 Infrastructure Investment 50 Infrastructure Utility 9 Crime & Warfare 12 Safety 17 0.643 Natural Disaster Management 5				Government Involvement	51
Environment 53 0.499 Natural Resources 44 Renewable Energy 74 Democracy 69 Governance 37 0.483 Government Competency 37 Rule of Law 22 Child Welfare 7 Disease Management 6 Health & Welfare System 1 Life & Death 77 ICT Promotion - ICT Scale 3 ICT Utilization 10 Infrastructure Investment 50 Infrastructure Utility 9 Crime & Warfare 12 Safety 17 0.643 Natural Disaster Management 5				Air & Water Quality	21
Natural Resources	F	50	0.400	Environment Behavior	79
Democracy 69	Environment	53	0.499	Natural Resources	44
Governance 37 0.483 Government Competency 37 Rule of Law 22				Renewable Energy	74
Rule of Law 22 Child Welfare 7 Disease Management 6 Health & Welfare System 1 Life & Death 77 ICT Promotion - ICT Scale 3 ICT Utilization 10 Infrastructure 18 0.513 Infrastructure Utility 9 Crime & Warfare 12 Safety 17 0.643 Natural Disaster Management 5			0.483	Democracy	69
Child Welfare 7	Governance	37		Government Competency	37
Health & Welfare				Rule of Law	22
Near 4 0.701 Health & Welfare System 1				Child Welfare	7
Health & Welfare System 1	Health &	4		Disease Management	6
ICT Promotion -	Welfare	4	0.701	Health & Welfare System	1
ICT 5 0.688 ICT Scale 3 ICT Utilization 10 Infrastructure Investment 50 Infrastructure Utility 9 Crime & Warfare 12 Safety 17 0.643 Natural Disaster Management 5				Life & Death	77
ICT Utilization 10				ICT Promotion	-
Infrastructure 18 0.513 Infrastructure Investment Infrastructure Utility 50 Infrastructure Utility 9 Crime & Warfare 12 Safety 17 0.643 Natural Disaster Management 5	ICT	5	0.688	ICT Scale	3
Infrastructure 18 0.513 Infrastructure Utility 9 Crime & Warfare 12 Safety 17 0.643 Natural Disaster Management 5				ICT Utilization	10
Infrastructure Utility 9 Crime & Warfare 12 Safety 17 0.643 Natural Disaster Management 5				Infrastructure Investment	50
Safety 17 0.643 Natural Disaster Management 5	Infrastructure	18	0.513	Infrastructure Utility	9
			0.643	Crime & Warfare	12
Safety and Health 35	Safety	17		Natural Disaster Management	5
				Safety and Health	35

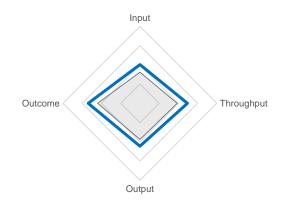
Latvia 11/89

	Rank/89	Score(0-1)	Capital City Riga
2016-17 Government Competitiveness	11	0.571	Population 1,960,424 (2016 est.)
2015-16 GC	9	0.578	GDP (PPP) 51,031,805,807 USD (2016 est.)
2014-15 GC	9	0.580	Unemployment rate 9.87% (2015 est.)
2013-14 GC	7	0.577	Constitutional Form Republic

GC Ranking by Area



Latvia		Non-OECD Avg.



Latvia		Non-OECD Avg.
	Rank	Score
Input	8	0.504
Throughput	12	0.618
Output	13	0.557
Outcome	8	0.672

	Rank Score		Subgroup	Rank
Agriculture &			Agriculture Resources	45
	70	0.339	Food Quality & Safety	4
Food	70	0.339	Institution & Finance	-
			Productivity	45
			Economic Equity	67
Economy	18	0.538	Economic Fundamental	28
			Economic Institution & Policy	3
			Education Diversity	19
Education	5	0.606	Education Infrastructure	61
Education	5	0.686	Education Performance	6
			Government Involvement	11
	63	0.466	Air & Water Quality	47
Cavironment			Environment Behavior	58
Environment			Natural Resources	56
			Renewable Energy	4
	6	0.700	Democracy	3
Governance			Government Competency	10
			Rule of Law	8
			Child Welfare	-
Health &	39	0.615	Disease Management	22
Welfare	39	0.015	Health & Welfare System	13
			Life & Death	87
			ICT Promotion	10
ICT	9	0.605	ICT Scale	10
			ICT Utilization	13
la faca di una trans		0.540	Infrastructure Investment	15
Infrastructure	8	0.542	Infrastructure Utility	15
		0.644	Crime & Warfare	29
Safety	16		Natural Disaster Management	24
			Safety and Health	22

Mauritius 12/89

	Rank/89	Score(0-1)	Capital City Port Louis
2016-17 Government Competitiveness	12	0.568	Population 1,263,473 (2016 est.)
2015-16 GC	16	0.553	GDP (PPP) 26,643,801,685 USD (2016 est.)
2014-15 GC	8	0.599	Unemployment rate 7.92% (2015 est.)
2013-14 GC	-	-	Constitutional Form Republic

Agriculture & Food Safety Economy Infrastructure Education Health & Governance Mauritius Non-OECD Avg. GC Ranking by Stage

C Natiking by Stage
Outcome Output Output

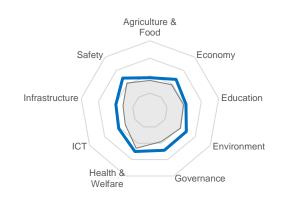
	Mauritius	Non-OECD Avg.	
	Rank	Score	
Input	14	0.491	
Throughput	6	0.673	
Output	17	0.542	
Outcome	18	0.634	

	Rank Score		Subgroup	Rank
Agriculture &			Agriculture Resources	19
	68	0.353	Food Quality & Safety	3
Food	00	0.333	Institution & Finance	-
			Productivity	86
			Economic Equity	57
Economy	30	0.518	Economic Fundamental	25
			Economic Institution & Policy	10
			Education Diversity	15
Education	13	0.629	Education Infrastructure	26
Education	13	0.029	Education Performance	18
			Government Involvement	13
			Air & Water Quality	22
Environment	61	0.471	Environment Behavior	65
Environment			Natural Resources	72
			Renewable Energy	58
	4	0.730	Democracy	5
Governance			Government Competency	7
			Rule of Law	5
			Child Welfare	1
Health &	9	0.673	Disease Management	4
Welfare	9	0.073	Health & Welfare System	15
			Life & Death	63
			ICT Promotion	9
ICT	15	0.542	ICT Scale	24
			ICT Utilization	18
		0.540	Infrastructure Investment	40
Infrastructure	6	0.548	Infrastructure Utility	11
		0.652	Crime & Warfare	28
Safety	13		Natural Disaster Management	15
			Safety and Health	13

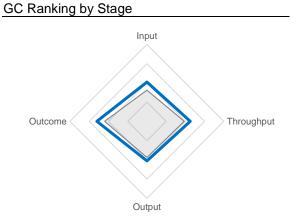
Panama 13/89

	Rank/89	Score(0-1)	Capital City	Panama City
2016-17 Government Competitiveness	13	0.559	Population	4,034,119 (2016 est.)
2015-16 GC	10	0.576	GDP (PPP)	92,843,998,359 USD (2016 est.)
2014-15 GC	16	0.553	Unemployment rate	4.53% (2015 est.)
2013-14 GC	-	-	Constitutional Form	Republic

GC Ranking by Area



Panama	Non-OECD Avg.



_	Panama	■ Non-OECD Avg.	
	Rai	nk Score	
Input	6	0.511	
Throughput	20	0.564	
Output	31	1 0.514	
Outcome	13	3 0.650	

	Rank	Score	Subgroup	Rank
		0.470	Agriculture Resources	56
Agriculture &	35		Food Quality & Safety	35
Food	33	0.470	Institution & Finance	23
			Productivity	74
			Economic Equity	23
Economy	5	0.583	Economic Fundamental	12
			Economic Institution & Policy	15
			Education Diversity	51
Education	42	0.507	Education Infrastructure	28
Education	43	0.527	Education Performance	39
			Government Involvement	64
		0.604	Air & Water Quality	39
Caviron mont	4.4		Environment Behavior	20
Environment	11		Natural Resources	22
			Renewable Energy	32
	13	0.608	Democracy	10
Governance			Government Competency	9
			Rule of Law	17
			Child Welfare	35
Health &	31	0.000	Disease Management	55
Welfare	31	0.626	Health & Welfare System	29
			Life & Death	38
			ICT Promotion	12
ICT	19	0.516	ICT Scale	26
			ICT Utilization	24
la for a torrations	0.4	0.400	Infrastructure Investment	56
Infrastructure	24	0.496	Infrastructure Utility	16
		0.607	Crime & Warfare	48
Safety	26		Natural Disaster Management	11
			Safety and Health	49

Kuwait 14/89

	Rank/89	Score(0-1)	Capital City Kuwait City
2016-17 Government Competitiveness	14	0.559	Population 4,052,584 (2016 est.)
2015-16 GC	12	0.565	GDP (PPP) 290,528,801,979 USD (2015 est.)
2014-15 GC	32	0.513	Unemployment rate 3.60% (2011 est.)
2013-14 GC	33	0.466	Constitutional Form Constitutional monarchy

GC Ranking by Area Agriculture & Food Safety Economy Infrastructure Education ICT Environment Health & Governance Welfare Kuwait Non-OECD Avg.

GC Ranking by Stage



Agriculture Resources 73 Food Quality & Safety 11 Agriculture & Food 6 0.591 Institution & Finance 11 2 Productivity **Economic Equity** 25 Economic Fundamental 6 Economy 14 0.544 Economic Institution & Policy 40 **Education Diversity** 30 64 Education Infrastructure Education 40 0.534 **Education Performance** 34 Government Involvement 43 Air & Water Quality 65 **Environment Behavior** 63 Environment 42 0.520

Natural Resources

Renewable Energy

Subgroup

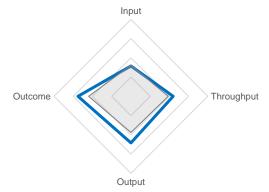
Rank

55

85

11

Rank Score



	Output	
Kuwait		Non-OECD Avg.
	Rank	Score
Input	52	0.395
Throughput	26	0.549
Output	4	0.604
Outcome	6	0.688

			Democracy	76
Governance	39	0.480	Government Competency	16
			Rule of Law	14
			Child Welfare	8
Health &	29	0.627	Disease Management	5
Welfare	29	0.627	Health & Welfare System	44
			Life & Death	27
			ICT Promotion	45
ICT	13	0.543	ICT Scale	5
		0.040		J
		0.040	ICT Utilization	41
Infrastructura	17		ICT Utilization Infrastructure Investment	
Infrastructure	17	0.516		41
Infrastructure	17		Infrastructure Investment	41 85

Safety and Health

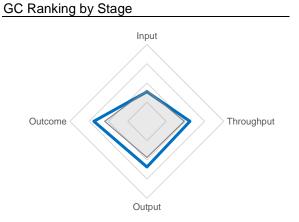
Bahrain 15/89

	Rank/89	Score(0-1)	Capital City Manama
2016-17 Government Competitiveness	15	0.556	Population 1,425,171 (2016 est.)
2015-16 GC	14	0.557	GDP (PPP) 64,935,176,089 USD (2015 est.)
2014-15 GC	12	0.561	Unemployment rate 1.20% (2012 est.)
2013-14 GC	12	0.545	Constitutional Form Constitutional monarchy

Agriculture & Food Safety Economy Infrastructure Education Health & Governance

GC Ranking by Area

■ Bahrain ■ Non-OECD Avg.



Bahrain	I	Non-OECD Avg.
	Rank	Score
Input	55	0.385
Throughput	22	0.559
Output	6	0.593
Outcome	5	0.689

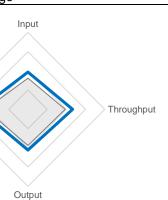
	Rank	Score	Subgroup	Rank
			Agriculture Resources	54
Agriculture &	00	0.500	Food Quality & Safety	37
Food	20	0.530	Institution & Finance	16
			Productivity	15
			Economic Equity	70
Economy	35	0.504	Economic Fundamental	11
			Economic Institution & Policy	29
			Education Diversity	10
Education	26	0.575	Education Infrastructure	35
Education	20	0.575	Education Performance	14
			Government Involvement	63
			Air & Water Quality	26
Covironment	64	0.462	Environment Behavior	83
Environment	04		Natural Resources	83
			Renewable Energy	85
		0.416	Democracy	83
Governance	60		Government Competency	27
			Rule of Law	39
			Child Welfare	-
Health &	52	0.504	Disease Management	56
Welfare	32	0.584	Health & Welfare System	35
			Life & Death	26
			ICT Promotion	5
ICT	4	0.733	ICT Scale	4
			ICT Utilization	6
La fara a tana a tana		0.500	Infrastructure Investment	89
Infrastructure	4	0.566	Infrastructure Utility	3
		0.637	Crime & Warfare	15
Safety	19		Natural Disaster Management	48
			Safety and Health	4
-				

Brazil **16**/89

	Rank/89	Score(0-1)	Capital City	Brasilia
2016-17 Government Competitiveness	16	0.556	Population	207,652,865 (2016 est.)
2015-16 GC	19	0.546	GDP (PPP)	3,141,333,107,725 USD (2016 est.)
2014-15 GC	10	0.578	Unemployment rate	6.85% (2015 est.)
2013-14 GC	13	0.538	Constitutional Form	Republic

GC Ranking by Area Agriculture & Food Safety Economy Infrastructure Education Environment Health & Governance Welfare Brazil ■ Non-OECD Avg. GC Ranking by Stage





☐ Brazil		■ Non-OECD Avg.			
	Rank	Score			
Input	16	0.485			
Throughput	15	0.581			
Output	25	0.529			
Outcome	19	0.631			

	Rank	Score	Subgroup	Rank
Agriculture & Food	5	0.592	Agriculture Resources	58
			Food Quality & Safety	12
			Institution & Finance	5
			Productivity	48
Economy	20	0.535	Economic Equity	4
			Economic Fundamental	42
			Economic Institution & Policy	31
Education	35	0.550	Education Diversity	61
			Education Infrastructure	82
			Education Performance	38
			Government Involvement	6
Environment		0.646	Air & Water Quality	8
	6		Environment Behavior	13
			Natural Resources	8
			Renewable Energy	39
Governance		0.586	Democracy	23
	15		Government Competency	6
			Rule of Law	15
Health & Welfare	7	0.678	Child Welfare	9
			Disease Management	28
			Health & Welfare System	19
			Life & Death	46
ICT	31	0.465	ICT Promotion	46
			ICT Scale	19
			ICT Utilization	39
Infrastructure	36	0.461	Infrastructure Investment	39
			Infrastructure Utility	38
Safety		0.496	Crime & Warfare	75
	57		Natural Disaster Management	45
			Safety and Health	39

Outcome

Argentina

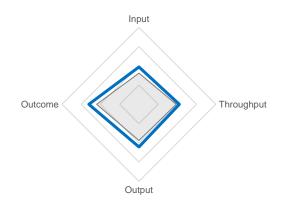
17/89

	Rank/89	Score(0-1)	Capital City Buenos Aires
2016-17 Government Competitiveness	17	0.554	Population 43,847,430 (2016 est.)
2015-16 GC	21	0.537	GDP (PPP) 874,071,002,223 USD (2016 est.)
2014-15 GC	22	0.535	Unemployment rate 7.02% (2014 est.)
2013-14 GC	23	0.501	Constitutional Form Republic

GC Ranking by Area



	Argentina	Non-OECD Avg.
GC Ranking	by Stage	



_	Argentina	■ Non-OECD Avg.			
	Ran	k Score			
Input	15	0.486			
Throughput	37	0.526			
Output	15	0.553			
Outcome	12	0.651			

	Rank	Score	Subgroup	Rank
		0.613	Agriculture Resources	35
Agriculture &	1		Food Quality & Safety	10
Food	'	0.013	Institution & Finance	3
			Productivity	68
			Economic Equity	32
Economy	71	0.422	Economic Fundamental	86
			Economic Institution & Policy	69
			Education Diversity	45
Education	12	0.636	Education Infrastructure	42
Education	12	0.030	Education Performance	8
			Government Involvement	17
			Air & Water Quality	13
Environment	55	0.492	Environment Behavior	68
Environment		0.492	Natural Resources	67
			Renewable Energy	52
			Democracy	11
Governance	7	0.662	Government Competency	15
			Rule of Law	9
			Child Welfare	13
Health &	40	0.644	Disease Management	57
Welfare	18	0.644	Health & Welfare System	16
			Life & Death	72
			ICT Promotion	69
ICT	32	0.455	ICT Scale	15
			ICT Utilization	46
lafaa atuu atuu a	20	0.400	Infrastructure Investment	49
Infrastructure	30	0.483	Infrastructure Utility	23
		4 0.577	Crime & Warfare	52
Safety	34		Natural Disaster Management	19
			Safety and Health	15

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	s 18	0.549
2015-16 GC	24	0.521
2014-15 GC	31	0.513
2013-14 GC	30	0.475

 Capital City
 Moscow

 Population
 144,342,396 (2016 est.)

 GDP (PPP)
 3,397,368,441,152 USD (2016 est.)

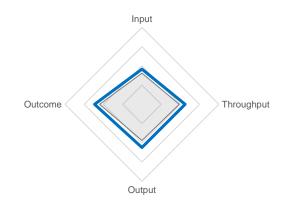
Unemployment rate 5.57% (2015 est.)

Constitutional Form Republic

GC Ranking by Area



Russian Federation	Non-OECD Avg.
	0



	Russian Federation	■ Non-OECD Avg.
	Rank	Score
Input	20	0.458
Throughput	21	0.562
Output	12	0.560
Outcome	29	0.615

		Score	Subgroup	Rank
			Agriculture Resources	69
Agriculture &	13	0.553	Food Quality & Safety	16
Food	13		Institution & Finance	7
Agriculture & Food Economy Education Environment Governance Health & Welfare ICT Infrastructure			Productivity	61
			Economic Equity	42
Economy	28	0.519	Economic Fundamental	13
			Economic Institution & Policy	28
			Education Diversity	33
Education	15	0.640	Education Infrastructure	58
Education	15	0.618	Education Performance	10
			Government Involvement	42
			Air & Water Quality	20
Facility and the		0.531	Environment Behavior	77
Environment	40		Natural Resources	42
			Renewable Energy	6
			Democracy	75
Governance	68	0.404	Government Competency	48
			Rule of Law	42
			Child Welfare	4
Health &	0	0.075	Disease Management	40
Welfare	8	0.675	Health & Welfare System	2
			Life & Death	83
			ICT Promotion	24
ICT	12	0.565	ICT Scale	8
			ICT Utilization	19
		0.500	Infrastructure Investment	19
Infrastructure	9	0.536	Infrastructure Utility	20
			Crime & Warfare	60
Safety	44	0.538	Natural Disaster Management	16
			Safety and Health	42

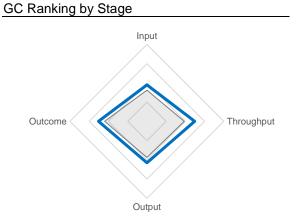
Croatia 19/89

	Rank/89	Score(0-1)	(Capital City	Zagreb
2016-17 Government Competitiveness	19	0.546	!	Population	4,170,600 (2016 est.)
2015-16 GC	17	0.552	(GDP (PPP)	98,410,499,024 USD (2016 est.)
2014-15 GC	15	0.554		Unemployment rate	16.28% (2015 est.)
2013-14 GC	9	0.560	(Constitutional Form	Republic

GC Ranking by Area



Croatia	Non-OECD Avg.



_	Croatia	Non-OECD Avg.			
	Rank	Score			
Input	18	0.474			
Throughput	9	0.621			
Output	20	0.538			
Outcome	22	0.629			

	Rank	Score	Subgroup	Rank
		0.268	Agriculture Resources	46
Agriculture &	82		Food Quality & Safety	1
Food	02		Institution & Finance	-
			Productivity	88
			Economic Equity	69
Economy	45	0.488	Economic Fundamental	51
			Economic Institution & Policy	9
			Education Diversity	8
Education	20	0.600	Education Infrastructure	77
Education	20	0.609	Education Performance	9
			Government Involvement	44
		0.652	Air & Water Quality	2
Environment	4		Environment Behavior	30
Environment	4		Natural Resources	11
			Renewable Energy	44
			Democracy	24
Governance	14	0.598	Government Competency	19
			Rule of Law	10
			Child Welfare	-
Health &	33	0.622	Disease Management	46
Welfare	33	0.022	Health & Welfare System	10
			Life & Death	78
			ICT Promotion	30
ICT	39	0.430	ICT Scale	20
			ICT Utilization	49
Lafar atmost one	45	0.500	Infrastructure Investment	12
Infrastructure	15	0.520	Infrastructure Utility	22
		0.722	Crime & Warfare	17
Safety	2		Natural Disaster Management	2
			Safety and Health	5

Thailand 20/89

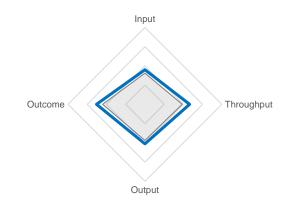
	Rank/89	Score(0-
2016-17 Government Competitiveness	20	0.543
2015-16 GC	11	0.572
2014-15 GC	14	0.560
2013-14 GC	14	0.523

GC Ranking by Area









■ Thailand		Non-OECD Avg.
	Rank	Score
Input	26	0.450
Throughput	16	0.581
Output	32	0.513
Outcome	21	0.629

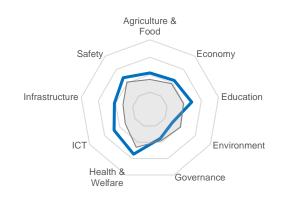
	Rank	Score	Subgroup	Rank
Agriculture &		0.551	Agriculture Resources	13
	15		Food Quality & Safety	45
Food	13	0.551	Institution & Finance	14
			Productivity	54
			Economic Equity	1
Economy	4	0.596	Economic Fundamental	8
			Economic Institution & Policy	26
			Education Diversity	48
Education	28	0.560	Education Infrastructure	21
Education	20		Education Performance	37
			Government Involvement	33
		0.554	Air & Water Quality	11
Environment	24		Environment Behavior	59
Environment	24		Natural Resources	30
			Renewable Energy	71
	36	0.484	Democracy	59
Governance			Government Competency	18
			Rule of Law	47
		0.590	Child Welfare	32
Health &	49		Disease Management	30
Welfare	43	0.530	Health & Welfare System	52
			Life & Death	53
			ICT Promotion	37
ICT	26	0.472	ICT Scale	25
			ICT Utilization	23
Information at the	04	0.501	Infrastructure Investment	53
Infrastructure	21		Infrastructure Utility	12
		0.582	Crime & Warfare	57
Safety	33		Natural Disaster Management	39
			Safety and Health	19
_				

Kazakhstan

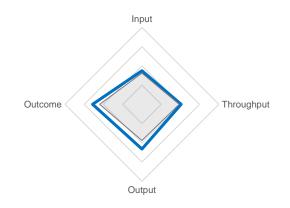
21/89

	Rank/89	Score(0-1)	Capital City Astana
2016-17 Government Competitiveness	21	0.542	Population 17,797,032 (2016 est.)
2015-16 GC	29	0.516	GDP (PPP) 449,620,839,326 USD (2016 est.)
2014-15 GC	20	0.540	Unemployment rate 4.97% (2015 est.)
2013-14 GC	17	0.516	Constitutional Form Republic

GC Ranking by Area



-		
ш	Kazakhstan	Non-OECD Avg.



ш	Kazakhstan	■ Non-OECD Avg.	
	Rank	Score	
Input	34	0.437	
Throughput	41	0.510	
Output	8	0.580	
Outcome	17	0.641	

	Rank	Score	Subgroup	Rank
Agriculture & Food		0.525	Agriculture Resources	31
	22		Food Quality & Safety	15
	22	0.323	Institution & Finance	33
			Productivity	52
			Economic Equity	3
Economy	15	0.543	Economic Fundamental	39
			Economic Institution & Policy	30
			Education Diversity	32
Education	19	0.609	Education Infrastructure	13
Education	19	0.609	Education Performance	12
			Government Involvement	55
			Air & Water Quality	62
Environment	82	0.373	Environment Behavior	85
Environment	02	0.373	Natural Resources	80
			Renewable Energy	81
	54		Democracy	77
Governance		0.442	Government Competency	21
			Rule of Law	41
		0.682	Child Welfare	23
Health &			Disease Management	8
Welfare	5		Health & Welfare System	9
			Life & Death	73
			ICT Promotion	18
ICT	10	0.593	ICT Scale	13
			ICT Utilization	14
Infrastructure	16	0.517	Infrastructure Investment	66
IIIIIasiiuciuie	10	0.517	Infrastructure Utility	13
		30 0.594	Crime & Warfare	19
Safety	30		Natural Disaster Management	35
			Safety and Health	27
-				

Serbia 22/89

	Rank/89	Score(0-1)	Capital City Belgrade
2016-17 Government Competitiveness	22	0.536	Population 7,057,412 (2016 est.)
2015-16 GC	18	0.549	GDP (PPP) 102,415,691,154 USD (2016 est.)
2014-15 GC	23	0.533	Unemployment rate 17.66% (2015 est.)
2013-14 GC	_	_	Constitutional Form Republic

GC Ranking by Area Rank Score Subgroup Rank Agriculture Resources 24 Agriculture & Food Food Quality & Safety 24 Agriculture & 32 0.479 Food Safety Economy Institution & Finance 44 Productivity 79 54 **Economic Equity** Infrastructure Education **Economic Fundamental** Economy 39 0.500 68 **Economic Institution & Policy** 8 ICT Environment **Education Diversity** 20 **Education Infrastructure** Health & 78 Governance Education 23 0.591 Welfare **Education Performance** 15 Government Involvement 30 Serbia Non-OECD Avg. Air & Water Quality 41 **Environment Behavior** 53 GC Ranking by Stage Environment 57 0.484 Natural Resources 61 Input 55 Renewable Energy 27 Democracy **Government Competency** 40 Governance 28 0.521 Rule of Law 31 Child Welfare 10 Throughput Outcome Disease Management 49 Health & 15 0.650 Welfare Health & Welfare System 7 Life & Death 79 **ICT** Promotion 59 Output ICT Scale 11 **ICT** 22 0.490 ICT Utilization 35 Serbia Non-OECD Avg. Rank Score Infrastructure Investment 28 Infrastructure 25 0.493 Input Infrastructure Utility 21 17 0.479 Throughput Crime & Warfare 38 0.499 44 Output Safety 23 0.618 Natural Disaster Management 9 14 0.555 Outcome Safety and Health 10 31 0.612

Colombia

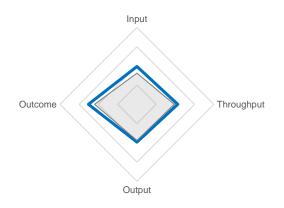
23/89

	Rank/89	Score(0-1)	Capital City Bogotá
2016-17 Government Competitiveness	23	0.536	Population 48,653,419 (2016 est.)
2015-16 GC	23	0.528	GDP (PPP) 688,817,300,979 USD (2016 est.)
2014-15 GC	19	0.540	Unemployment rate 8.29% (2015 est.)
2013-14 GC	15	0.519	Constitutional Form Republic

GC Ranking by Area



☐ Colombia ☐ Non-OECD Avg.



	Colombia	■ Npn-OECD Avg.
	Rank	Score
Input	12	0.492
Throughput	34	0.531
Output	39	0.490
Outcome	20	0.630

	Rank	Score	Subgroup	Rank
Agriculture &		0.445	Agriculture Resources	64
	42		Food Quality & Safety	44
Food	42	0.445	Institution & Finance	29
			Productivity	71
			Economic Equity	28
Economy	17	0.541	Economic Fundamental	53
			Economic Institution & Policy	19
			Education Diversity	54
Education	39	0.527	Education Infrastructure	23
Education	39	0.537	Education Performance	36
			Government Involvement	46
		0.612	Air & Water Quality	28
Environment	10		Environment Behavior	10
Environment	10		Natural Resources	15
			Renewable Energy	35
	24	0.531	Democracy	25
Governance			Government Competency	25
			Rule of Law	34
			Child Welfare	27
Health &	36	0.619	Disease Management	34
Welfare	30	0.019	Health & Welfare System	41
			Life & Death	29
			ICT Promotion	16
ICT	20	0.507	ICT Scale	31
			ICT Utilization	15
Infractruotura	27	0.457	Infrastructure Investment	35
Infrastructure	37	0.457	Infrastructure Utility	33
		0.576	Crime & Warfare	66
Safety	35		Natural Disaster Management	23
			Safety and Health	32

Oman 24/89

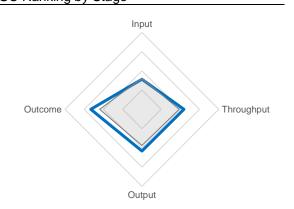
	Rank/89	Score(0-1)	Capital City Muscat
2016-17 Government Competitiveness	24	0.536	Population 4,424,762 (2016 est.)
2015-16 GC	27	0.516	GDP (PPP) 179,487,818,843 USD (2015 est.)
2014-15 GC	28	0.528	Unemployment rate 17.27% (1996 est.)
2013-14 GC	16	0.519	Constitutional Form Absolute monarchy

GC Ranking by Area



☐ Oman ☐ Non-OECD Avg.

GC Ranking by Stage



	Oman	■ Non-OECD Avg.
	Rank	Score
Input	54	0.391
Throughput	29	0.546
Output	18	0.541
Outcome	11	0.664

	Rank	Score	Subgroup	Rank
		0.000	Agriculture Resources	84
Agriculture &	3		Food Quality & Safety	19
Food	3	0.600	Institution & Finance	1
			Productivity	56
			Economic Equity	22
Economy	29	0.519	Economic Fundamental	18
			Economic Institution & Policy	36
			Education Diversity	6
Education	16	0.646	Education Infrastructure	52
Education	16	0.616	Education Performance	13
			Government Involvement	50
		0.341	Air & Water Quality	61
Environment	06		Environment Behavior	76
Environment	86		Natural Resources	88
			Renewable Energy	69
		0.437	Democracy	87
Governance	55		Government Competency	14
			Rule of Law	23
			Child Welfare	31
Health &	20	0.604	Disease Management	1
Welfare	32	0.624	Health & Welfare System	49
			Life & Death	19
			ICT Promotion	13
ICT	18	0.523	ICT Scale	22
			ICT Utilization	34
		0.400	Infrastructure Investment	87
Infrastructure	34	0.466	Infrastructure Utility	14
-		0.695	Crime & Warfare	8
Safety	9		Natural Disaster Management	25
-			Safety and Health	14
-				

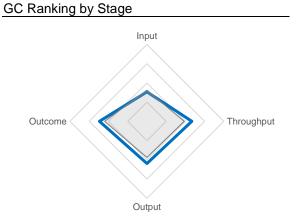
China 25/89

	Rank/89	Score(0-1)	Capital City	Beijing
2016-17 Government Competitiveness	25	0.533	Population	1,378,665,000 (2016 est.)
2015-16 GC	20	0.540	GDP (PPP)	21,417,149,856,080 USD (2016 est.)
2014-15 GC	25	0.532	Unemployment rate	4.10% (2014 est.)
2013-14 GC	21	0.503	Constitutional Form	People's Democratic Republic

GC Ranking by Area



☐ China. ☐ Non-OECD Avg.



	nina.	Non-OECD Avg.
	Rank	Score
Input	57	0.383
Throughput	13	0.584
Output	16	0.548
Outcome	28	0.617

	Rank	Score	Subgroup	Rank
			Agriculture Resources	38
Agriculture &	10	0.576	Food Quality & Safety	20
Food	10	0.576	Institution & Finance	9
			Productivity	49
			Economic Equity	33
Economy	3	0.609	Economic Fundamental	3
			Economic Institution & Policy	27
			Education Diversity	23
□ d	40	0.500	Education Infrastructure	71
Education	49	0.506	Education Performance	55
			Government Involvement	5
			Air & Water Quality	77
Environment	73	0.422	Environment Behavior	72
Environment		0.422	Natural Resources	47
			Renewable Energy	54
	66	0.405	Democracy	89
Governance			Government Competency	20
			Rule of Law	44
			Child Welfare	24
Health &	00	0.620	Disease Management	2
Welfare	26	0.632	Health & Welfare System	38
			Life & Death	35
			ICT Promotion	15
ICT	17	0.524	ICT Scale	33
			ICT Utilization	9
Infrastructure	22	0.400	Infrastructure Investment	86
infrastructure	22	0.498	Infrastructure Utility	5
			Crime & Warfare	43
Safety	21	0.625	Natural Disaster Management	31
			Safety and Health	16

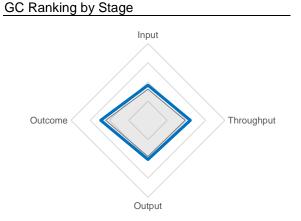
Peru 26/89

	Rank/89	Score(0-1)	Capital City Lima
2016-17 Government Competitiveness	26	0.532	Population 31,773,839 (2016 est.)
2015-16 GC	32	0.512	GDP (PPP) 413,759,485,937 USD (2016 est.)
2014-15 GC	42	0.500	Unemployment rate 6.44% (2015 est.)
2013-14 GC	27	0.478	Constitutional Form Republic

GC Ranking by Area



Peru	Non-OECD Avg.



	Peru	Non-OECD Avg.
	Rank	Score
Input	22	0.457
Throughput	24	0.551
Output	33	0.509
Outcome	30	0.613

	Rank	Score	Subgroup	Rank
			Agriculture Resources	83
Agriculture &	31	0.400	Food Quality & Safety	41
Food	31	0.483	Institution & Finance	19
			Productivity	29
			Economic Equity	45
Economy	9	0.555	Economic Fundamental	20
			Economic Institution & Policy	7
			Education Diversity	50
Education	24	0.504	Education Infrastructure	43
Education	24	0.581	Education Performance	27
			Government Involvement	32
			Air & Water Quality	29
F		0.680	Environment Behavior	6
Environment	1		Natural Resources	9
			Renewable Energy	13
Governance		0.541	Democracy	26
	22		Government Competency	23
			Rule of Law	29
			Child Welfare	41
Health &	40		Disease Management	36
Welfare	46	0.595	Health & Welfare System	47
			Life & Death	31
			ICT Promotion	55
ICT	49	0.372	ICT Scale	50
			ICT Utilization	42
			Infrastructure Investment	58
Infrastructure	46	0.422	Infrastructure Utility	49
			Crime & Warfare	71
Safety	40	0.561	Natural Disaster Management	22
			Safety and Health	40

Azerbaijan

27/89

	Rank/89	Score(0-1)	Capital City Baku
2016-17 Government Competitiveness	27	0.525	Population 9,762,274 (2016 est.)
2015-16 GC	37	0.497	GDP (PPP) 168,431,012,758 USD (2016 est.)
2014-15 GC	45	0.497	Unemployment rate 4.96% (2015 est.)
2013-14 GC	25	0.485	Constitutional Form Republic

GC Ranking by Area



Azerbaijan GC Ranking by Stage



■ Non-OECD Avg.

Input Outcome Throughput Output

_	Azerbaijan		Non-OECD Avg.
	Ra	ank	Score
Input	2	27	0.446
Throughput	3	86	0.528
Output	2	28	0.526
Outcome	3	8	0.600

	Rank	Score	Subgroup	Rank
Agriculture &		0.484	Agriculture Resources	34
	30		Food Quality & Safety	43
Food	30	0.404	Institution & Finance	30
			Productivity	41
			Economic Equity	43
Economy	42	0.492	Economic Fundamental	60
			Economic Institution & Policy	50
			Education Diversity	83
Education	37	0.545	Education Infrastructure	33
Education	31	0.545	Education Performance	26
			Government Involvement	75
		0.483	Air & Water Quality	42
Environment	58		Environment Behavior	73
Environment	30		Natural Resources	50
			Renewable Energy	76
	80	0.350	Democracy	84
Governance			Government Competency	51
			Rule of Law	45
			Child Welfare	43
Health &	23	0.637	Disease Management	15
Welfare	25	0.037	Health & Welfare System	22
			Life & Death	64
			ICT Promotion	17
ICT	11	0.588	ICT Scale	17
			ICT Utilization	7
Infrastructura	22	0.467	Infrastructure Investment	51
Infrastructure	32	0.467	Infrastructure Utility	45
		0.678	Crime & Warfare	11
Safety	11		Natural Disaster Management	17
			Safety and Health	25

Armenia 28/89

	Rank/89	Score(0-1)	Capital City Yerevan
2016-17 Government Competitiveness	28	0.524	Population 2,924,816 (2016 est.) (2016
2015-16 GC	49	0.479	GDP (PPP) 25,790,892,933 USD (2016 e
2014-15 GC	29	0.519	Unemployment rate 18.51% (2015 est.)
2013-14 GC	_	-	Constitutional Form Republic

GC Ranking by Area Rank Score Subgroup Rank Agriculture Resources 26 Agriculture & Food Food Quality & Safety 14 Agriculture & 55 0.398 Food Safety Economy Institution & Finance Productivity 34 **Economic Equity** 76 Infrastructure Education **Economic Fundamental** Economy 48 0.476 66 **Economic Institution & Policy** 22 ICT Environment **Education Diversity** 27 **Education Infrastructure** Health & 34 Governance Education 30 0.559 Welfare **Education Performance** 25 Government Involvement 62 Armenia Air & Water Quality 12 Non-OECD Avg. **Environment Behavior** 60 GC Ranking by Stage Environment 13 0.588 Natural Resources 27 Input Renewable Energy 11 70 Democracy **Government Competency** 79 Governance 79 0.355 Rule of Law 51 Child Welfare 34 Outcome Throughput Disease Management 24 Health & 0.632 27 Welfare Health & Welfare System 26 Life & Death 60 **ICT** Promotion 40 Output 0.470 ICT Scale 30 **ICT** 27 ICT Utilization 28 Armenia Non-OECD Avg. Rank Score Infrastructure Investment 20 Infrastructure 12 0.533 Input Infrastructure Utility 10 35 0.436 Throughput Crime & Warfare 2 25 0.550 Output Safety 5 0.709 Natural Disaster Management 13 22 0.531

Safety and Health

38

Outcome

26

0.622

Subgroup

Agriculture Resources

Food Quality & Safety

Institution & Finance

Government Involvement

Health & Welfare System

Life & Death

ICT Scale

ICT Promotion

Air & Water Quality

Productivity

Economic Equity

Sri Lanka

29/89

Rank

10

61

20

62

8

45

45

7

57

24

78

10

34

50

14

54

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	29	0.521
2015-16 GC	34	0.508
2014-15 GC	33	0.513
2013-14 GC	22	0.502

Capital City Sri Jayawardenepura Kotte 21,203,000 (2016 est.) Population GDP (PPP) 261,139,627,723 USD (2016 est.)

Unemployment rate 4.67% (2015 est.)

Rank Score

28

Constitutional Form Republic

Agriculture &

Food

Welfare

ICT

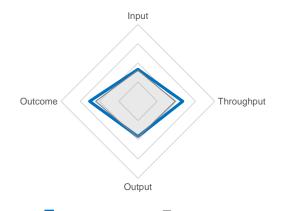
GC Ranking by Area



Economic Fundamental Economy 43 0.491 Economic Institution & Policy **Education Diversity** Education Infrastructure Education 38 0.543 **Education Performance**

0.491

Sri Lanka Non-OECD Avg. GC Ranking by Stage



Environment	t 31 0.540	0.540	Environment Behavior	25
LIMIOIIIIEII	31	31 0.540	Natural Resources	45
			Renewable Energy	37
	Governance 48 0.457	Democracy	38	
Governance		Government Competency	53	
		Rule of Law	40	
	42 0.604	Child Welfare	57	
Health &		0.604	Disease Management	12
Welfare		Hoolth & Wolfers Cystom	24	

ш	Sri Lanka	■ Non-OECD Avg.		
	Rank	Score		
Input	43	0.416		
Throughput	14	0.583		
Output	52	0.457		
Outcome	23	0.627		

			ICT Utilization	11
Infrastructure	12	0.442	Infrastructure Investment	78
iliilastiuctule	42	0.442	Infrastructure Utility	29
		0.630	Crime & Warfare	16
Safety	20		Natural Disaster Management	64
			Safety and Health	7

0.489

23

Jordan 30/89

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	30	0.519
2015-16 GC	31	0.513
2014-15 GC	36	0.509
2013-14 GC	_	-

Capital City Amman

Population 9,455,802 (2016 est.)

Rank Score

Environment 81

ICT

0.381

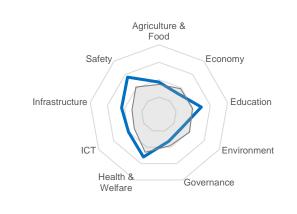
21

0.503

GDP (PPP) 85,575,688,577 USD (2016 est.)

Unemployment rate 11.90% (2014 est.) Constitutional Form Constitutional monarchy

GC Ranking by Area



Agriculture &	39	0.466	Food Quality & Safety	39
Food	39	0.400	Institution & Finance	24
			Productivity	50
			Economic Equity	55
Economy	79	0.402	Economic Fundamental	81
			Economic Institution & Policy	43
			Economic Institution & Policy Education Diversity	28
Education	1.1	0.649	,	
Education	14	0.618	Education Diversity	28

Subgroup

Agriculture Resources

Air & Water Quality

Environment Behavior

Rank

72

34

74

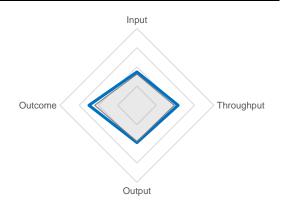
21

8

36

GC Ranking by Stage

Jordan



Non-OECD Avg.

Limioninent	01	0.301	Natural Resources	87
			Renewable Energy	77
	Governance 63 0.411		Democracy	73
Governance		Government Competency	57	
		Rule of Law	32	
			Child Welfare	12
Health &	Health &	0.040	Disease Management	14
Welfare	16	16 0.648	Health & Welfare System	36

Life & Death

ICT Scale

ICT Promotion

Jordan		Non-OECD Avg.		
		Rank	Score	
Input		36	0.434	
Throughput		31	0.536	
Output		43	0.484	
Outcome		25	0.623	

			ICT Utilization	22
Infrastructure	7	0.544	Infrastructure Investment	3
iliiasiiuciuie	,	0.344	Infrastructure Utility	27
			Crime & Warfare	7
Safety	8	0.700	Natural Disaster Management	38
			Safety and Health	9

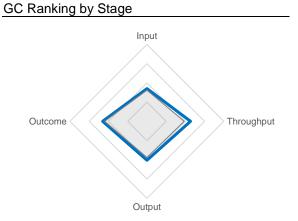
Vietnam 31/89

	Rank/89	Score(0-1)	Capital City	Hanoi
2016-17 Government Competitiveness	31	0.518	Population	92,701,100 (2016 est.)
2015-16 GC	22	0.533	GDP (PPP)	595,524,266,875 USD (2016 es
2014-15 GC	34	0.512	Unemployment rate	2.12% (2015 est.)
2013-14 GC	20	0.508	Constitutional Form	People's Democratic Republic

GC Ranking by Area



■ Vietnam ■ Non-OECD Avg.



Vietnam		Non-OECD Avg.
	Rank	Score
Input	41	0.425
Throughput	19	0.567
Output	34	0.505
Outcome	46	0.575

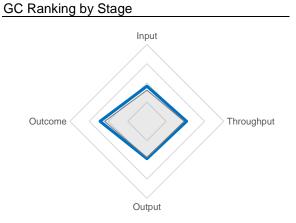
	Rank	Score	Subgroup	Rank
		0.536	Agriculture Resources	16
Agriculture &	19		Food Quality & Safety	48
Food	19	0.556	Institution & Finance	18
			Productivity	30
			Economic Equity	11
Economy	6	0.582	Economic Fundamental	7
			Economic Institution & Policy	51
			Education Diversity	72
Education	EC	0.407	Education Infrastructure	18
Education	56	0.487	Education Performance	56
			Government Involvement	19
		0.548	Air & Water Quality	45
Environment	27		Environment Behavior	37
Environment	27		Natural Resources	40
			Renewable Energy	27
		0.463	Democracy	78
Governance	45		Government Competency	33
			Rule of Law	18
			Child Welfare	48
Health &	30	0.627	Disease Management	17
Welfare	30	0.027	Health & Welfare System	46
			Life & Death	15
			ICT Promotion	33
ICT	38	0.435	ICT Scale	41
			ICT Utilization	30
la face a face a face	40	0.440	Infrastructure Investment	69
Infrastructure	40	0.448	Infrastructure Utility	24
		0.539	Crime & Warfare	40
Safety	43		Natural Disaster Management	57
			Safety and Health	54
-				

Tunisia 32/89

	Rank/89	Score(0-1)	Capital City Tunis
2016-17 Government Competitiveness	32	0.517	Population 11,403,248 (2016 est.)
2015-16 GC	35	0.505	GDP (PPP) 132,261,126,002 USD (2016 est.)
2014-15 GC	21	0.538	Unemployment rate 15.93% (2013 est.)
2013-14 GC	11	0.548	Constitutional Form Republic

GC Ranking by Area Agriculture & Food Safety Economy Infrastructure Education ICT Environment Health & Governance Welfare

Tunisia	Non-OECD Avg.



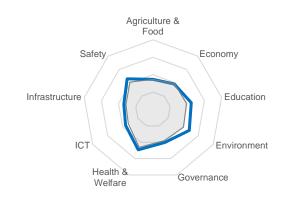
Bulgaria.		Non-OECD Avg.
	Rank	Score
Input	21	0.457
Throughput	39	0.516
Output	42	0.485
Outcome	33	0.609

	Rank	Score	Subgroup	Rank
		0.544	Agriculture Resources	6
Agriculture & Food	40		Food Quality & Safety	23
	16	0.544	Institution & Finance	28
			Productivity	75
			Economic Equity	52
Economy	76	0.415	Economic Fundamental	82
			Economic Institution & Policy	52
			Education Diversity	17
Education	36	0.540	Education Infrastructure	48
Education	30	0.549	Education Performance	42
			Government Involvement	10
	66	0.451	Air & Water Quality	9
Environment			Environment Behavior	66
Environment			Natural Resources	79
			Renewable Energy	67
	34	0.494	Democracy	30
Governance			Government Competency	61
			Rule of Law	35
			Child Welfare	15
Health &	11	0.669	Disease Management	3
Welfare	11	0.668	Health & Welfare System	31
			Life & Death	30
			ICT Promotion	50
ICT	43	0.399	ICT Scale	39
			ICT Utilization	44
		0.504	Infrastructure Investment	25
Infrastructure	14	0.524	Infrastructure Utility	25
			Crime & Warfare	50
Safety	27	0.606	Natural Disaster Management	27
			Safety and Health	12
-				

Ecuador 33/89

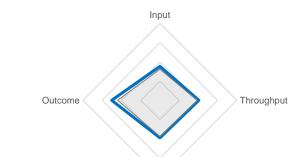
	Rank/89	Score(0-1)	Capital City	Quito
2016-17 Government Competitiveness	33	0.515	Population	16,385,068 (2016 est.)
2015-16 GC	28	0.516	GDP (PPP)	184,924,730,509 USD (2016 est.)
2014-15 GC	18	0.541	Unemployment rate	4.77% (2015 est.)
2013-14 GC	35	0.455	Constitutional Form	Republic

GC Ranking by Area



■ Ecuador. ■ Non-OECD Avg.

GC Ranking by Stage



	Ecuador.	Non-OECD Avg.			
	Rar	nk	Score		
Input	31	I	0.442		
Throughput	42	2	0.506		
Output	41	I	0.487		
Outcome	24	1	0.626		

Output

	Rank	Score	Subgroup	Rank
		0.422	Agriculture Resources	63
Agriculture &	46		Food Quality & Safety	46
Food	40	0.432	Institution & Finance	39
			Productivity	65
			Economic Equity	9
Economy	47	0.477	Economic Fundamental	65
			Economic Institution & Policy	62
			Education Diversity	38
Education	20	0.550	Education Infrastructure	40
Education	29	0.559	Education Performance	30
			Government Involvement	41
	12	0.602	Air & Water Quality	54
Environment			Environment Behavior	29
Environment			Natural Resources	17
			Renewable Energy	46
	31	0.503	Democracy	51
Governance			Government Competency	26
			Rule of Law	37
			Child Welfare	46
Health &	38	0.615	Disease Management	59
Welfare	30	0.013	Health & Welfare System	32
			Life & Death	24
			ICT Promotion	31
ICT	33	0.453	ICT Scale	40
			ICT Utilization	21
	45	0.404	Infrastructure Investment	57
Infrastructure	45	0.424	Infrastructure Utility	48
		0.574	Crime & Warfare	49
Safety	36		Natural Disaster Management	34
			Safety and Health	34
-				

Georgia 34/89

	Rank/89	Score(0-1)	Capital City	Tbilisi
2016-17 Government Competitiveness	34	0.513	Population	3,719,300 (2016 est.)
2015-16 GC	25	0.518	GDP (PPP)	37,181,601,890 USD (2016 est.)
2014-15 GC	13	0.561	Unemployment rate	11.96% (2015 est.)
2013-14 GC	10	0.554	Constitutional Form	Republic

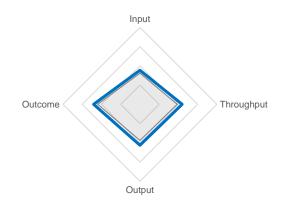
Agriculture & Food Safety Economy Infrastructure





GC Ranking by Stage

GC Ranking by Area



	Georgia	Non-OECD Avg.			
	Rank	Score			
Input	29	0.443			
Throughput	27	0.549			
Output	23	0.531			
Outcome	36	0.602			

	Rank	Score	Subgroup	Rank
Agriculture &		0.050	Agriculture Resources	44
	84		Food Quality & Safety	26
Food	04	0.253	Institution & Finance	#VA
			Productivity	89
			Economic Equity	79
Economy	25	0.524	Economic Fundamental	36
			Economic Institution & Policy	13
			Education Diversity	47
Education	31	0.554	Education Infrastructure	84
Luucalion	31	0.554	Education Performance	7
			Government Involvement	76
			Air & Water Quality	17
Environment	41	0.524	Environment Behavior	17
LIMIOIIIIEII	41	0.524	Natural Resources	51
			Renewable Energy	36
	23	0.537	Democracy	29
Governance			Government Competency	52
			Rule of Law	28
	44	0.597	Child Welfare	19
Health &			Disease Management	27
Welfare	44		Health & Welfare System	37
			Life & Death	75
			ICT Promotion	48
ICT	28	0.470	ICT Scale	28
			ICT Utilization	29
Infrastructura	10	0.535	Infrastructure Investment	5
Infrastructure	10	0.535	Infrastructure Utility	31
		0.625	Crime & Warfare	35
Safety	22		Natural Disaster Management	18
			Safety and Health	29
· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	

Ukraine 35/89

	Rank/89	Score(0-1)	Capital City Kyiv (also known as Kiev)
2016-17 Government Competitiveness	35	0.513	Population 45,004,645 (2016 est.)
2015-16 GC	38	0.496	GDP (PPP) 352,977,531,138 USD (2016 est.)
2014-15 GC	46	0.496	Unemployment rate 9.14% (2015 est.)
2013-14 GC	28	0.478	Constitutional Form Republic

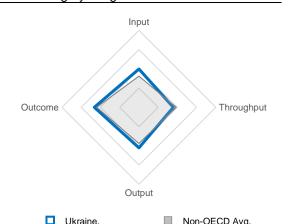
■ Non-OECD Avg.

GC Ranking by Area



Ukraine. GC Ranking by Stage



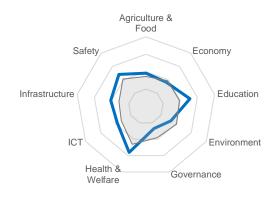


Oktaine.	_	Non OLOD Avg.
	Rank	Score
Input	11	0.498
Throughput	56	0.447
Output	27	0.526
Outcome	44	0.580

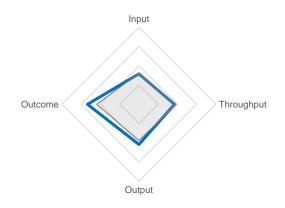
	Rank	Score	Subgroup	Rank
Agriculture &		0.560	Agriculture Resources	4
	11		Food Quality & Safety	13
Food	11	0.569	Institution & Finance	40
			Productivity	33
			Economic Equity	39
Economy	56	0.458	Economic Fundamental	79
			Economic Institution & Policy	42
			Education Diversity	21
Education	3	0.699	Education Infrastructure	14
Education	3	0.099	Education Performance	5
			Government Involvement	16
			Air & Water Quality	27
Environment	77	0.413	Environment Behavior	86
Environment	, ,		Natural Resources	69
			Renewable Energy	23
	43	0.465	Democracy	34
Governance			Government Competency	82
			Rule of Law	30
			Child Welfare	5
Health &	58	0.549	Disease Management	87
Welfare	50	0.543	Health & Welfare System	6
			Life & Death	81
			ICT Promotion	53
ICT	37	0.444	ICT Scale	32
			ICT Utilization	32
Infrastructura	26	0.400	Infrastructure Investment	29
Infrastructure	20	0.489	Infrastructure Utility	30
		0.528	Crime & Warfare	81
Safety	47		Natural Disaster Management	14
			Safety and Health	55

	Rank/89	Score(0-1)	Capital City Tashkent
2016-17 Government Competitiveness	36	0.512	Population 31,848,200 (2016 est.)
2015-16 GC	43	0.487	GDP (PPP) 207,469,559,570 USD (2016 est.)
2014-15 GC	47	0.495	Unemployment rate 0.40% (2008 est.)
2013-14 GC	46	0.418	Constitutional Form Republic

GC Ranking by Area



■ Uzbekistan ■ Non-OECD Avg.



	Uzbekistan.	Non-OECD Avg.	
	Rank	Score	
Input	50	0.396	
Throughput	51	0.463	
Output	29	0.521	
Outcome	9	0.668	

	Rank	Score	Subgroup	Rank
			Agriculture Resources	43
Agriculture &	33	0.478	Food Quality & Safety	32
Food	33		Institution & Finance	51
			Productivity	12
			Economic Equity	12
Economy	58	0.454	Economic Fundamental	71
			Economic Institution & Policy	79
			Education Diversity	56
Education	11	0.642	Education Infrastructure	17
Education	- 11	0.642	Education Performance	21
			Government Involvement	12
			Air & Water Quality	44
		0.440	Environment Behavior	70
Environment	75	0.413	Natural Resources	78
			Renewable Energy	24
			Democracy	86
Governance	81	0.337	Government Competency	35
			Rule of Law	68
			Child Welfare	30
Health &	•	0.704	Disease Management	9
Welfare	3	0.701	Health & Welfare System	14
			Life & Death	52
			ICT Promotion	-
ICT	24	0.473	ICT Scale	48
			ICT Utilization	8
Infrastructure	19	0.512	Infrastructure Investment	54
iiiiasiiuciuie	19	0.512	Infrastructure Utility	34
		9 0.601	Crime & Warfare	4
Safety	29		Natural Disaster Management	49
			Safety and Health	45

Philippines

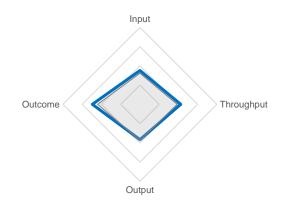
37/89

	Rank/89	Score(0-1)	Capital City Manila
2016-17 Government Competitiveness	37	0.512	Population 103,320,222 (2016 est.)
2015-16 GC	26	0.517	GDP (PPP) 806,539,481,635 USD (2016 est.)
2014-15 GC	37	0.506	Unemployment rate 6.29% (2015 est.)
2013-14 GC	37	0.449	Constitutional Form Republic

GC Ranking by Area



☐ Philippines. ☐ Non-OECD Avg.



	Philippines		Non-OECD Avg.
		Rank	Score
Input		32	0.440
Throughput		35	0.531
Output		51	0.458
Outcome		27	0.618

	Rank	Score	Subgroup	Rank
		0.490	Agriculture Resources	11
Agriculture &	29		Food Quality & Safety	51
Food	29	0.490	Institution & Finance	31
			Productivity	64
			Economic Equity	15
Economy	23	0.525	Economic Fundamental	14
			Economic Institution & Policy	47
			Education Diversity	24
Education	0	0.645	Education Infrastructure	8
Education	9	0.645	Education Performance	28
			Government Involvement	14
		0.541	Air & Water Quality	38
Environment	20		Environment Behavior	40
Environment	30		Natural Resources	53
			Renewable Energy	25
		0.515	Democracy	16
Governance	29		Government Competency	39
			Rule of Law	46
			Child Welfare	60
Health &	70	0.500	Disease Management	72
Welfare	70	0.509	Health & Welfare System	54
			Life & Death	51
			ICT Promotion	27
ICT	35	0.447	ICT Scale	46
			ICT Utilization	27
la face day of the	40	0.400	Infrastructure Investment	76
Infrastructure	49	0.408	Infrastructure Utility	39
			Crime & Warfare	79
Safety	48	0.528	Natural Disaster Management	37
			Safety and Health	50
-				

Moldova 38/89

	Rank/89	Score(0-1)	Capital City	Chisinau
2016-17 Government Competitiveness	38	0.508	Population	3,552,000 (2016 est.)
2015-16 GC	48	0.483	GDP (PPP)	18,945,000,212 USD (2016 est.)
2014-15 GC	26	0.532	Unemployment rate	4.90% (2015 est.)
2013-14 GC	-	-	Constitutional Form	Republic

GC Ranking by Area Rank Score Subgroup Rank Agriculture Resources 1 Agriculture & Food Food Quality & Safety 38 Agriculture & 37 0.467 Food Safety Economy Institution & Finance Productivity 72 34 **Economic Equity** Infrastructure Education 58 **Economic Fundamental** Economy 49 0.476 **Economic Institution & Policy** 21 ICT Environment **Education Diversity** 40 **Education Infrastructure** Health & 24 Governance Education 17 0.616 Welfare **Education Performance** 41 Government Involvement 1 Moldova Air & Water Quality 33 Non-OECD Avg. **Environment Behavior** 67 GC Ranking by Stage Environment 79 0.397 Natural Resources 76 Input 75 Renewable Energy 32 Democracy **Government Competency** 59 Governance 49 0.453 Rule of Law 36 Child Welfare 18 Outcome Throughput Disease Management 51 Health & 21 0.639 Welfare Health & Welfare System 12 Life & Death 69 **ICT** Promotion 54 Output 0.470 ICT Scale 14 **ICT** 29 ICT Utilization 45 Moldova Non-OECD Avg. Rank Score Infrastructure Investment 11 Infrastructure 35 0.463 Input Infrastructure Utility 41 9 0.502 Throughput Crime & Warfare 41 45 0.490 Output Safety 31 0.590 Natural Disaster Management 10 36 0.501 Outcome Safety and Health 43 54 0.549

Albania 39/89

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	39	0.503
2015-16 GC	36	0.503
2014-15 GC	44	0.497
2013-14 GC	_	_

Capital City Tirana

Population 2,876,101 (2016 est.)

GDP (PPP) 34,307,675,936 USD (2016 est.)

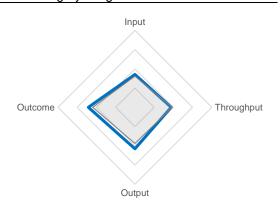
Unemployment rate 17.08% (2015 est.)

Constitutional Form Republic

GC Ranking by Area



■ Albania ■ Non-OECD Avg.



	Albania	Non-OECD Avg.	
	Rank	Score	
Input	39	0.428	
Throughput	47	0.471	
Output	19	0.538	
Outcome	34	0.605	

	Rank	Score	Subgroup	Rank
			Agriculture Resources	29
Agriculture & Food	53	0.400	Food Quality & Safety	7
	55	0.400	Institution & Finance	-
			Productivity	28
			Economic Equity	37
Economy	40	0.499	Economic Fundamental	70
			Economic Institution & Policy	18
			Education Diversity	25
Education	32	0.554	Education Infrastructure	65
Luucalion	32	0.554	Education Performance	16
			Government Involvement	67
			Air & Water Quality	14
Environment	67	0.451	Environment Behavior	21
LIMIOIIIIEII	01	0.451	Natural Resources	77
			Renewable Energy	19
		0.482	Democracy	33
Governance	38		Government Competency	67
			Rule of Law	19
	17	0.645	Child Welfare	47
Health &			Disease Management	7
Welfare	17	0.043	Health & Welfare System	21
			Life & Death	48
			ICT Promotion	42
ICT	47	0.387	ICT Scale	38
			ICT Utilization	55
Information at the	24	0.400	Infrastructure Investment	17
Infrastructure	31	0.469	Infrastructure Utility	37
			Crime & Warfare	20
Safety	18	0.638	Natural Disaster Management	30
			Safety and Health	2

Paraguay

40/89

Rank

40

36

23

4

15

52

1 31 22

58 33

52

39 22 78

55

54 72

32

73

61

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	40	0.499
2015-16 GC	33	0.509
2014-15 GC	51	0.479
2013-14 GC	38	0.447

Capital City Asunción Population 6,725,308 (2016 est.)

GDP (PPP) 64,405,326,704 USD (2016 est.)

Unemployment rate 5.29% (2015 est.)

Rank Score

Constitutional Form Republic

Agriculture &

GC Ranking by Area



Agriculture &	25	5 0.498	rood Quality & Salety	30
Food 25 0.	0.490	Institution & Finance	40	
			Productivity	14
			Economic Equity	2
Economy 22	22	0.529	Economic Fundamental	31
			Economic Institution & Policy	54
			Economic institution a rolley	J -1
			Education Diversity	52
Education	11	0.532	•	
Education	41	0.532	Education Diversity	52

Subgroup

Agriculture Resources

Food Quality & Safety

Infrastructure Investment

Natural Disaster Management

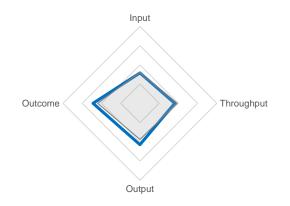
Infrastructure Utility

Crime & Warfare

Safety and Health

GC Ranking by Stage

Paraguay



Non-OECD Avg.

			Government Involvement
			Air & Water Quality
 Environment	23	0.562	Environment Behavior
Environment	23	0.302	Natural Resources
			Renewable Energy
			Democracy
Governance	17	0.559	Government Competency
			Rule of Law
		0.611	Child Welfare
Health &	4.4		Disease Management
Welfare	41	0.011	Health & Welfare System
			Life & Death
		0.291	ICT Promotion
ICT	62		ICT Scale
			ICT Utilization

0.439

0.465

Infrastructure 43

Safety

_	Paraguay	■ Non-OECD Avg.	
	Rank	Score	
Input	51	0.396	
Throughput	53	0.452	
Output	21	0.537	
Outcome	32	0.610	

Dominican Republic

41/89

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	41	0.494
2015-16 GC	44	0.485
2014-15 GC	39	0.503
2013-14 GC	-	-

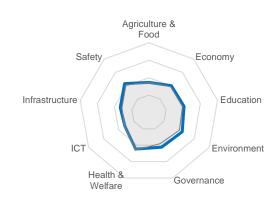
Capital City Santo Domingo
Population 10,648,791 (2016 est.)

GDP (PPP) 161,956,544,155 USD (2016 est.)

Unemployment rate 5.41% (2015 est.)

Constitutional Form Republic

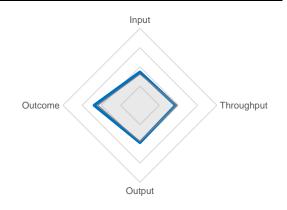
GC Ranking by Area



Non-OECD Avg.

GC Ranking by Stage

Dominican Republic



	Dominican Republic	■ Non-OECD Avg.
	Rank	Score
Input	37	0.433
Throughput	50	0.463
Output	44	0.483
Outcome	39	0.595

	Rank	Score	Subgroup	Rank
		2 400	Agriculture Resources	28
Agriculture &	47		Food Quality & Safety	54
Food	47	0.432	Institution & Finance	47
			Productivity	47
			Economic Equity	38
Economy	36	0.503	Economic Fundamental	33
			Economic Institution & Policy	41
			Education Diversity	68
Education	48	0.512	Education Infrastructure	60
Education	40	0.512	Education Performance	46
			Government Involvement	21
		0.552	Air & Water Quality	31
Environment	25		Environment Behavior	64
Environment			Natural Resources	25
			Renewable Energy	63
	25	0.530	Democracy	18
Governance			Government Competency	31
			Rule of Law	27
			Child Welfare	28
Health &	56	0.559	Disease Management	45
Welfare	30		Health & Welfare System	64
			Life & Death	45
			ICT Promotion	52
ICT	44	0.396	ICT Scale	45
			ICT Utilization	36
Lafara dan satura	40	0.447	Infrastructure Investment	62
Infrastructure	48	0.417	Infrastructure Utility	36
			Crime & Warfare	27
Safety	42	0.542	Natural Disaster Management	36
			Safety and Health	48
•				

South Africa

42/89

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	42	0.494
2015-16 GC	50	0.478
2014-15 GC	52	0.477
2013-14 GC	-	-

Capital City Pretoria (administrative),
Population 55,908,865 (2016 est.)

GDP (PPP) 739,419,184,416 USD (2016 est.)

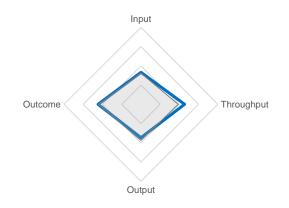
Unemployment rate 25.15% (2015 est.)

Constitutional Form Republic

GC Ranking by Area



■ South Africa ■ Non-OECD Avg.



	South Africa	Non-OECD Avg.	
	Rank	Score	
Input	44	0.416	
Throughput	18	0.568	
Output	59	0.433	
Outcome	51	0.557	

	Rank	Score	Subgroup	Rank
	12		Agriculture Resources	36
Agriculture & Food		0.550	Food Quality & Safety	42
	12	0.553	Institution & Finance	6
			Productivity	66
			Economic Equity	78
Economy	73	0.421	Economic Fundamental	87
			Economic Institution & Policy	24
			Education Diversity	60
Education	51	0.501	Education Infrastructure	76
Education	51	0.501	Education Performance	54
			Government Involvement	25
	54	0.497	Air & Water Quality	63
			Environment Behavior	71
Environment			Natural Resources	59
			Renewable Energy	53
	11	0.620	Democracy	4
Governance			Government Competency	30
			Rule of Law	26
			Child Welfare	40
Health &	79	0.462	Disease Management	89
Welfare	79	0.462	Health & Welfare System	28
			Life & Death	85
			ICT Promotion	19
ICT	30	0.468	ICT Scale	29
			ICT Utilization	40
		0.440	Infrastructure Investment	38
Infrastructure	41	0.442	Infrastructure Utility	35
		0.478	Crime & Warfare	22
Safety	60		Natural Disaster Management	51
			Safety and Health	59

Indonesia

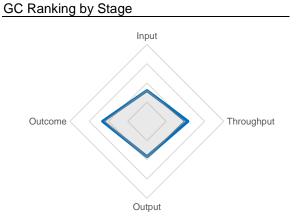
43/89

	Rank/89	Score(0-1)	Capital City	Jakarta
2016-17 Government Competitiveness	43	0.492	Population	261,115,456 (2016 est.)
2015-16 GC	30	0.515	GDP (PPP)	3,032,090,005,363 USD (
2014-15 GC	43	0.498	Unemployment rate	6.18% (2015 est.)
2013-14 GC	31	0.473	Constitutional Form	Republic

GC Ranking by Area



☐ Indonesia ☐ Non-OECD Avg.



	Indonesia.	■ Non-OECD Avg.
	Rank	Score
Input	48	0.400
Throughput	33	0.533
Output	50	0.459
Outcome	45	0.576

	Rank	Score	Subgroup	Rank
	41		Agriculture Resources	33
Agriculture &		0.457	Food Quality & Safety	64
Food	41	0.437	Institution & Finance	26
			Productivity	35
			Economic Equity	24
Economy	31	0.511	Economic Fundamental	16
			Economic Institution & Policy	46
			Education Diversity	34
Education	44	0.520	Education Infrastructure	69
Education	44	0.520	Education Performance	40
			Government Involvement	52
	45	0.512	Air & Water Quality	55
			Environment Behavior	49
Environment	45		Natural Resources	35
			Renewable Energy	31
	26	0.527	Democracy	20
Governance			Government Competency	29
			Rule of Law	49
	00		Child Welfare	58
Health &		0.512	Disease Management	77
Welfare	69	0.512	Health & Welfare System	48
			Life & Death	54
			ICT Promotion	23
ICT	40	0.428	ICT Scale	52
			ICT Utilization	38
	- 4	0.007	Infrastructure Investment	79
Infrastructure	51	0.397	Infrastructure Utility	47
			Crime & Warfare	34
Safety	39	0.566	Natural Disaster Management	44
			Safety and Health	56

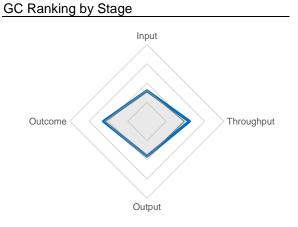
GC Ranking by Area

Morocco 44/89

	Rank/89	Score(0-1)	Capital City Rabat	
2016-17 Government Competitiveness	44	0.492	Population 35,276,7	'86 (2016 est.)
2015-16 GC	47	0.484	GDP (PPP) 280,718,	787,737 USD (2016 est.)
2014-15 GC	30	0.517	Unemployment rate 9.68% (2	2015 est.)
2013-14 GC	29	0.477	Constitutional Form Constitut	tional monarchy

Agriculture & Food Safety Economy Infrastructure Education Health & Governance Welfare

■ Morocco ■ Non-OECD Avg.



☐ Morocco		Non-OECD Avg.
	Rank	Score
Input	49	0.398
Throughput	23	0.553
Output	54	0.454
Outcome	48	0.564

Agriculture & Food 23 Agriculture Resources 39 Food 23 0.515 Food Quality & Safety 29 Institution & Finance 25 Productivity 43 Economy 60 0.447 Economic Equity 35 Economic Institution & Policy 37 Education Diversity 57 Education Diversity 57 Education Infrastructure 30 Environment 20 Air & Water Quality 60 Environment Involvement 20 Air & Water Quality 60 Environment Behavior 61 Natural Resources 29 Renewable Energy 29 Democracy 64 Governance 71 0.388 Government Competency 68 Rule of Law 57 Child Welfare 25 Health & Welfare System 13 Health & Welfare System 55 Life & Death 10 ICT Promotion 26 ICT Utilization 33 Infrastructure Investment 27 Infrastructure Util		Rank Score		Subgroup	Rank
Productivity				Agriculture Resources	39
Institution & Finance 25 Productivity 43 Economic Equity 35 Economy 60 0.447 Economic Fundamental 67 Economic Institution & Policy 37 Education Diversity 57 Education Diversity 57 Education Performance 62 Government Involvement 20 Air & Water Quality 60 Environment Behavior 61 Natural Resources 29 Renewable Energy 29 Democracy 64 Government Competency 68 Rule of Law 57 Child Welfare 25 Disease Management 13 Health & Welfare Disease Management 13 Health & Welfare System 55 Life & Death 10 ICT Promotion 26 ICT Utilization 33 Infrastructure 38 0.455 Infrastructure Investment 27 Infrastructure Utility 43 Crime & Warfare 14 Safety 38 0.569 Natural Disaster Management 53	Agriculture &	22	0 515	Food Quality & Safety	29
Economy 60 0.447 Economic Equity 35		23	0.515	Institution & Finance	25
Economy 60 0.447 Economic Fundamental Economic Institution & Policy 37 Education Beducation Diversity 57 Education Infrastructure 30 Education Performance 62 Government Involvement 20 Air & Water Quality 60 Environment Behavior 61 Natural Resources 29 Renewable Energy 29 Democracy 64 Government Competency 68 Rule of Law 57 Child Welfare 25 Disease Management 13 Health & Welfare System 55 Life & Death 10 ICT Promotion 26 ICT Utilization 33 Infrastructure Investment 27 Infrastructure Utility 43 Crime & Warfare 14 Safety 38 0.569 Natural Disaster Management 53				Productivity	43
Economic Institution & Policy 37				Economic Equity	35
Education 59 0.462 Education Diversity 57 Education Infrastructure 30 Education Performance 62 Government Involvement 20 Air & Water Quality 60 Environment Behavior 61 Natural Resources 29 Renewable Energy 29 Permocracy 64 Governance 71 0.388 Government Competency 68 Rule of Law 57 Child Welfare 25 Child Welfare 25 Disease Management 13 Health & Welfare System 55 Life & Death 10 ICT Promotion 26 10 10 ICT Scale 43 10 10 10 Infrastructure Investment 27 10 10 10 10 Infrastructure Utility 43 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 <td>Economy</td> <td>60</td> <td>0.447</td> <td>Economic Fundamental</td> <td>67</td>	Economy	60	0.447	Economic Fundamental	67
Education 59 0.462 Education Infrastructure Education Performance 30 Environment Environment 33 0.539 Environment Involvement Education Performance 60 Environment Involvement 20 Air & Water Quality 60 Environment Behavior 61 Natural Resources 29 Renewable Energy 29 Democracy 64 Government Competency 68 Rule of Law 57 Child Welfare 25 Disease Management 13 Health & Welfare System 55 Life & Death 10 ICT Promotion 26 10 10 ICT Scale 43 10 10 Infrastructure Investment 27 Infrastructure Utility 43 Crime & Warfare 14 14 14 Safety 38 0.569 Natural Disaster Management 53				Economic Institution & Policy	37
Education 59 0.462 Education Performance 62 Government Involvement 20 Air & Water Quality 60 Environment Behavior 61 Natural Resources 29 Renewable Energy 29 Democracy 64 Government Competency 68 Rule of Law 57 Child Welfare 25 Disease Management 13 Health & Welfare System 55 Life & Death 10 ICT Promotion 26 ICT Scale 43 ICT Utilization 33 Infrastructure Investment 27 Infrastructure Utility 43 Crime & Warfare 14 Safety 38 0.569 Natural Disaster Management 53				Education Diversity	57
Education Performance 62	Education	50	0.460	Education Infrastructure	30
Air & Water Quality 60	Education	59	0.462	Education Performance	62
Environment 33 0.539 Environment Behavior 61 Natural Resources 29 Renewable Energy 29 Democracy 64 Government Competency 68 Rule of Law 57 Child Welfare 25 Disease Management 13 Health & Welfare System 55 Life & Death 10 ICT Promotion 26 ICT Scale 43 ICT Utilization 33 Infrastructure Investment 27 Infrastructure Utility 43 Crime & Warfare 14 Safety 38 0.569 Natural Disaster Management 53				Government Involvement	20
Environment 33 0.539 Natural Resources 29 Renewable Energy 29 Democracy 64 Governance 71 0.388 Government Competency 68 Rule of Law 57 Child Welfare 25 Disease Management 13 Health & Welfare System 55 Life & Death 10 ICT Promotion 26 ICT Scale 43 ICT Utilization 33 Infrastructure Investment 27 Infrastructure Utility 43 Crime & Warfare 14 Safety 38 0.569 Natural Disaster Management 53				Air & Water Quality	60
Natural Resources 29 Renewable Energy 29 Renewable Energy 29	F	00	0.500	Environment Behavior	61
Democracy 64	Environment	33	0.539	Natural Resources	29
Governance 71 0.388 Government Competency 68 Rule of Law 57 Child Welfare 25 Disease Management 13 Health & Welfare System 55 Life & Death 10 ICT Promotion 26 ICT Scale 43 ICT Utilization 33 Infrastructure Investment 27 Infrastructure Utility 43 Crime & Warfare 14 Safety 38 0.569 Natural Disaster Management 53				Renewable Energy	29
Rule of Law 57				Democracy	64
Child Welfare 25	Governance	71	0.388	Government Competency	68
Disease Management 13				Rule of Law	57
Near 24 0.635 Health & Welfare System 55		0.4		Child Welfare	25
Health & Welfare System 55	Health &			Disease Management	13
ICT Promotion 26	Welfare	24	0.635	Health & Welfare System	55
ICT 41 0.418 ICT Scale 43 ICT Utilization 33 Infrastructure 38 0.455 Infrastructure Investment Infrastructure Utility 43 Crime & Warfare 14 Safety 38 0.569 Natural Disaster Management 53				Life & Death	10
ICT Utilization 33				ICT Promotion	26
Infrastructure 38 0.455 Infrastructure Investment Infrastructure Utility 27 Infrastructure Utility 43 Crime & Warfare 14 Safety 38 0.569 Natural Disaster Management 53	ICT	41	0.418	ICT Scale	43
Infrastructure 38 0.455 Infrastructure Utility 43 Safety 38 0.569 Natural Disaster Management 53				ICT Utilization	33
Infrastructure Utility 43 Crime & Warfare 14 Safety 38 0.569 Natural Disaster Management 53				Infrastructure Investment	27
Safety 38 0.569 Natural Disaster Management 53	Infrastructure	38	0.455	Infrastructure Utility	43
				Crime & Warfare	14
Safety and Health 37	Safety	38	0.569	Natural Disaster Management	53
	-			Safety and Health	37

Mongolia

45/89

	Rank/89	Score(0-1)	(Capital City	Ulaanbaatar
2016-17 Government Competitiveness	45	0.490	ı	Population	3,027,398 (2016 est.)
2015-16 GC	54	0.463	(GDP (PPP)	36,995,994,768 USD (2016 est.)
2014-15 GC	38	0.506	ı	Unemployment rate	7.45% (2015 est.)
2013-14 GC	19	0.508	(Constitutional Form	Republic

GC Ranking by Area



Mongolia ■ Non-OECD Avg.

Input

GC Ranking by Stage

Outcome Throughput Output

_	Mongolia	Non-OECD Avg.
	Rank	Score
Input	33	0.437
Throughput	32	0.535
Output	37	0.499
Outcome	59	0.528

	Rank	Score	Subgroup	Rank
			Agriculture Resources	62
Agriculture &	00	0.004	Food Quality & Safety	77
Food	66	0.361	Institution & Finance	-
			Productivity	6
			Economic Equity	29
Economy	33	0.509	Economic Fundamental	41
			Economic Institution & Policy	34
			Education Diversity	14
Education	25	0.576	Education Infrastructure	9
Education	25	0.576	Education Performance	32
			Government Involvement	40
			Air & Water Quality	87
Environment	78	0.410	Environment Behavior	82
LIMIOIIIIEII			Natural Resources	39
			Renewable Energy	48
	21	0.547	Democracy	21
Governance			Government Competency	32
			Rule of Law	24
	35	0.000	Child Welfare	36
Health &			Disease Management	47
Welfare	33	0.620	Health & Welfare System	20
			Life & Death	58
			ICT Promotion	25
ICT	36	0.446	ICT Scale	37
			ICT Utilization	37
la facation at one		0.070	Infrastructure Investment	36
Infrastructure	57	0.376	Infrastructure Utility	58
			Crime & Warfare	31
Safety	37	0.570	Natural Disaster Management	33
			Safety and Health	44

Bolivia 46/89

	Rank/89	Score(0-1)	Capital City	Sucre
2016-17 Government Competitiveness	46	0.488	Population	10,887,882 (2016 est.)
2015-16 GC	45	0.484	GDP (PPP)	78,785,688,297 USD (2016 est.)
2014-15 GC	54	0.473	Unemployment rate	3.50% (2014 est.)
2013-14 GC	40	0.434	Constitutional Form	Republic

GC Ranking by Area Rank Score Subgroup Rank Agriculture Resources 71 Agriculture & Food Food Quality & Safety 58 Agriculture & 57 0.392 Food Safety Economy Institution & Finance 48 Productivity 27 **Economic Equity** 26 Infrastructure Education **Economic Fundamental** Economy 32 0.510 24 **Economic Institution & Policy** 57 ICT Environment **Education Diversity** 39 **Education Infrastructure** Health & 79 Governance Education 22 0.592 **Education Performance** 31 Government Involvement 7 Bolivia Air & Water Quality 53 Non-OECD Avg. **Environment Behavior** 41 GC Ranking by Stage Environment 18 0.571 Natural Resources 7 Input 78 Renewable Energy 36 Democracy **Government Competency** 24 Governance 32 0.500 Rule of Law 54 Child Welfare 49 Throughput Outcome Disease Management 16 Health & 43 0.599 Welfare Health & Welfare System 50 Life & Death 57 **ICT** Promotion 68 Output ICT Scale 56 **ICT** 59 0.330 ICT Utilization 52 Bolivia Non-OECD Avg. Rank Score Infrastructure Investment 23 Infrastructure 52 0.397 Input Infrastructure Utility 54 25 0.450 Throughput Crime & Warfare 58 52 0.459 Output Safety 56 0.503 Natural Disaster Management 46 40 0.488 Outcome Safety and Health 53 52 0.556

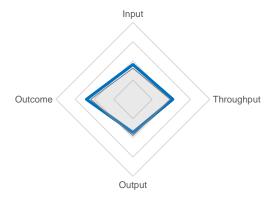
Jamaica 47/89

	Rank/89	Score(0-1)	Capital City Kingston
2016-17 Government Competitiveness	47	0.488	Population 2,881,355 (2016 est.)
2015-16 GC	46	0.484	GDP (PPP) 25,456,250,143 USD (2016 est.
2014-15 GC	49	0.491	Unemployment rate 13.51% (2015 est.)
2013-14 GC	-	-	Constitutional Form Constitutional monarchy

GC Ranking by Area



_		
	Jamaica.	Non-OECD Avg.



	Jamaica	Non-OECD Avg.	
	Rank	Score	
Input	23	0.452	
Throughput	38	0.519	
Output	61	0.430	
Outcome	35	0.604	

	Rank	Score	Subgroup	Rank
		0.045	Agriculture Resources	30
Agriculture &	76		Food Quality & Safety	28
Food	76	0.315	Institution & Finance	-!
			Productivity	83
			Economic Equity	61
Economy	53	0.468	Economic Fundamental	69
			Economic Institution & Policy	33
			Education Diversity	77
Education	46	0.518	Education Infrastructure	29
Education	40	0.516	Education Performance	53
			Government Involvement	34
			Air & Water Quality	40
Covironment	43	0.520	Environment Behavior	62
Environment	43	0.520	Natural Resources	46
			Renewable Energy	62
	18	0.557	Democracy	8
Governance			Government Competency	38
			Rule of Law	13
			Child Welfare	14
Health &	EE	0.566	Disease Management	73
Welfare	55	0.566	Health & Welfare System	58
			Life & Death	34
			ICT Promotion	22
ICT	42	0.411	ICT Scale	44
			ICT Utilization	51
lafaa atuu atuu a	4.4	0.400	Infrastructure Investment	46
Infrastructure	44	0.429	Infrastructure Utility	52
			Crime & Warfare	33
Safety	28	0.604	Natural Disaster Management	32
			Safety and Health	20
•				

Botswana 48/89

55

56

34

80

88

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17

79

41

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68

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17

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59

81

53

74

43

35

63

83

44

37

55

57

Safety and Health

	Rank/89	Score(0-1)	Capital City Gaborone
2016-17 Government Competitiveness	48	0.485	Population 2,250,260 (2016 est.)
2015-16 GC	40	0.495	GDP (PPP) 37,657,768,014 USD (2016 est.)
2014-15 GC	27	0.530	Unemployment rate 17.86% (2010 est.)
2013-14 GC	-	-	Constitutional Form Republic

GC Ranking by Area Rank Score Subgroup Rank Agriculture Resources Agriculture & Food Food Quality & Safety Agriculture & 52 0.400 Food Safety Economy Institution & Finance Productivity **Economic Equity** Infrastructure Education **Economic Fundamental** Economy 55 0.465 **Economic Institution & Policy** ICT Environment **Education Diversity Education Infrastructure** Health & Governance Education 42 0.528 Welfare **Education Performance** Government Involvement Botswana Air & Water Quality Non-OECD Avg. **Environment Behavior** GC Ranking by Stage Environment 19 0.571 Natural Resources Input Renewable Energy Democracy **Government Competency** Governance 9 0.652 Rule of Law Child Welfare Outcome Throughput Disease Management Health & 71 0.500 Welfare Health & Welfare System Life & Death **ICT** Promotion Output ICT Scale **ICT** 45 0.395 ICT Utilization Botswana Non-OECD Avg. Rank Score Infrastructure Investment Infrastructure 58 0.367 Input Infrastructure Utility 30 0.442 Throughput Crime & Warfare 17 0.579 Output Safety 58 0.486 Natural Disaster Management 62 0.430

Outcome

64

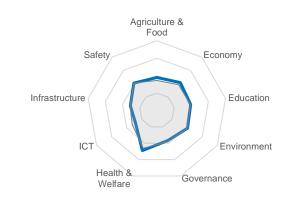
0.488

El Salvador

49/89

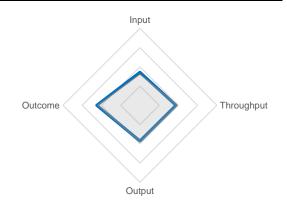
	Rank/89	Score(0-1)	Capital City San Salvador
2016-17 Government Competitiveness	49	0.481	Population 6,344,722 (2016 est.)
2015-16 GC	42	0.492	GDP (PPP) 54,685,594,636 USD (2016 est.)
2014-15 GC	35	0.511	Unemployment rate 5.93% (2013 est.)
2013-14 GC	24	0.495	Constitutional Form Republic

GC Ranking by Area



El Salvador.

■ Non-OECD Avg.



_	El Salvador.	■ Non-OECD Avg.		
	Rank	Score		
Input	38	0.430		
Throughput	48	0.469		
Output	48	0.463		
Outcome	50	0.561		

	Rank	Score	Subgroup	Rank
		0.474	Agriculture Resources	3
Agriculture &	34		Food Quality & Safety	47
Food	34	0.474	Institution & Finance	54
			Productivity	69
			Economic Equity	19
Economy	26	0.523	Economic Fundamental	57
			Economic Institution & Policy	16
			Education Diversity	63
Education	E 4	0.400	Education Infrastructure	27
Education	54	0.492	Education Performance	51
			Government Involvement	49
			Air & Water Quality	19
Environment	48	0.508	Environment Behavior	39
Environment			Natural Resources	64
			Renewable Energy	8
			Democracy	57
Governance	46	0.460	Government Competency	45
			Rule of Law	38
			Child Welfare	42
Health &	40	0.040	Disease Management	18
Welfare	40	0.612	Health & Welfare System	51
			Life & Death	23
			ICT Promotion	64
ICT	51	0.356	ICT Scale	47
			ICT Utilization	48
	50	0.007	Infrastructure Investment	68
Infrastructure	53	0.387	Infrastructure Utility	51
		0.514	Crime & Warfare	82
Safety	50		Natural Disaster Management	41
			Safety and Health	36

Kyrgyz Republic

50/89

Rank

49

40

24

42

36

28

52

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	50	0.477
2015-16 GC	55	0.462
2014-15 GC	48	0.492
2013-14 GC	-	=

Capital City Bishkek

Population 6,082,700 (2016 est.)

GDP (PPP) 21,600,596,554 USD (2016 est.)

Unemployment rate 7.56% (2015 est.)

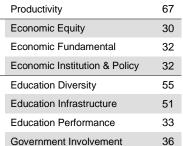
Rank Score

Constitutional Form Republic

GC Ranking by Area



	Agriculture &	77	0.295	Food Quality & Safety
	Food	11	0.293	Institution & Finance
				Productivity
	Economy 1	12	0.550	Economic Equity
				Economic Fundamen
				Economic Institution 8
				Education Diversity
	Education	33	0.553	Education Infrastructu
				Education Performan



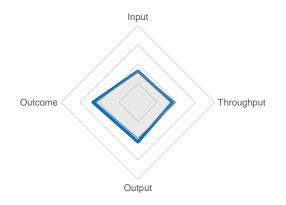
Subgroup

Agriculture Resources

Food Quality & Safety

GC Ranking by Stage

Kyrgyz Republic



Non-OECD Avg.

Education	33	0.553	Education Infrastructure	51
	33		Education Performance	33
			Government Involvement	36
		Air & Water Quality	35	
Environment	65	0.460	Environment Behavior	35
Environment	00	0.460	Natural Resources	65
			Renewable Energy	21
Governance			Democracy	39
	59	0.419	Government Competency	69
			Rule of Law	53
Health &		0.668	Child Welfare	22
	40		Disease Management	21
Welfare	12		Health & Welfare System	24
			Life & Death	17
			ICT Promotion	62
ICT	50 0.3	0.358	ICT Scale	42
			ICT Utilization	59

0.485

0.504

Infrastructure 29

Safety

Infrastructure Investment

Natural Disaster Management

Infrastructure Utility

Crime & Warfare

Safety and Health

ш	Kyrgyz Republic	■ Non-OECD Avg.
	Rank	Score
Input	46	0.407
Throughput	55	0.448
Output	30	0.516
Outcome	42	0.585

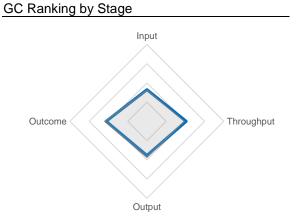
Ghana 51/89

	Rank/89	Score(0-1)	Capital City	Accra
2016-17 Government Competitiveness	51	0.474	Population	28,206,728 (2016 est.)
2015-16 GC	52	0.475	GDP (PPP)	121,107,641,525 USD (2016 est.)
2014-15 GC	41	0.502	Unemployment rate	5.20% (2013 est.)
2013-14 GC	32	0.469	Constitutional Form	Republic

GC Ranking by Area



☐ Ghana ☐ Non-OECD Avg.



Ghana		☐ Non-OECD Avg.		
	Rank	Score		
Input	45	0.412		
Throughput	40	0.511		
Output	56	0.442		
Outcome	57	0.530		

	Rank	Score	Subgroup	Rank
Agriculture &		0.405	Agriculture Resources	12
	26		Food Quality & Safety	50
Food	20	0.495	Institution & Finance	37
			Productivity	37
			Economic Equity	81
Economy	57	0.457	Economic Fundamental	49
			Economic Institution & Policy	55
			Education Diversity	46
Education	52	0.495	Education Infrastructure	67
Education	32	0.495	Education Performance	58
			Government Involvement	15
		0.565	Air & Water Quality	66
Environment	22		Environment Behavior	32
Environment	22		Natural Resources	33
			Renewable Energy	5
			Democracy	14
Governance	20	0.547	Government Competency	42
			Rule of Law	25
			Child Welfare	38
Health &	62	0.532	Disease Management	50
Welfare	02	0.552	Health & Welfare System	70
			Life & Death	67
			ICT Promotion	44
ICT	56	0.341	ICT Scale	51
			ICT Utilization	58
la fan a tau cate can	50	0.004	Infrastructure Investment	14
Infrastructure	59	0.364	Infrastructure Utility	65
			Crime & Warfare	10
Safety	61	0.467	Natural Disaster Management	70
			Safety and Health	69
_				

Bosnia and Herzegovina

52/89

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	52	0.472
2015-16 GC	39	0.496
2014-15 GC	55	0.470
2013-14 GC	-	-

Capital City Sarajevo

Population 3,516,816 (2016 est.)

GDP (PPP) 42,464,682,289 USD (2016 est.)

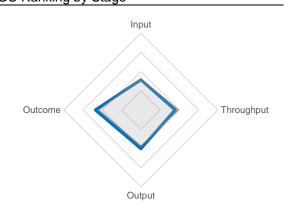
Unemployment rate 26.26% (2015 est.)

Constitutional Form Republic

GC Ranking by Area



Bosnia and Herzegovina	Non-OECD Avg.
GC Ranking by Stage	



	Bosnia Herzegovina	and	Non-OECD Avg.
		Rank	Score
Input		53	0.392
Throughput		57	0.444
Output		35	0.503
Outcome		40	0.592

	Rank	Score	Subgroup	Rank
Agriculture &		0.324	Agriculture Resources	32
	74		Food Quality & Safety	2
Food	74		Institution & Finance	-
			Productivity	82
		0.419	Economic Equity	63
Economy	74		Economic Fundamental	88
			Economic Institution & Policy	23
		0.502	Education Diversity	58
Education	F0		Education Infrastructure	81
	50		Education Performance	45
			Government Involvement	47
Environment		0.414	Air & Water Quality	43
	74		Environment Behavior	52
	74		Natural Resources	75
			Renewable Energy	30
			Democracy	49
Governance	42	0.467	Government Competency	75
			Rule of Law	16
Health & Welfare		0.643	Child Welfare	16
	10		Disease Management	63
	19		Health & Welfare System	11
			Life & Death	61
ICT		0.342	ICT Promotion	73
	55		ICT Scale	27
			ICT Utilization	65
Infrastructure	28	0.488	Infrastructure Investment	77
			Infrastructure Utility	17
Safety	14	0.651	Crime & Warfare	18
			Natural Disaster Management	7
			Safety and Health	23

Honduras

53/89

	Rank/89	Score(0-1)	Capital City Tegucigalpa
2016-17 Government Competitiveness	53	0.467	Population 9,112,867 (2016 est.)
2015-16 GC	59	0.448	GDP (PPP) 43,177,487,893 USD (2016 est.)
2014-15 GC	62	0.449	Unemployment rate 7.38% (2015 est.)
2013-14 GC	36	0.451	Constitutional Form Republic

GC Ranking by Area





	Throughput
Output	

Honduras	[Non-OECD Avg.
	Rank	Score
Input	47	0.401
Throughput	59	0.440
Output	53	0.455
Outcome	47	0.572

	Rank	Score	Subgroup	Rank
Agriculture &			Agriculture Resources	52
	59	0.388	Food Quality & Safety	52
Food	59	0.300	Institution & Finance	57
			Productivity	63
			Economic Equity	48
Economy	34	0.505	Economic Fundamental	44
			Economic Institution & Policy	35
			Education Diversity	42
Education	58	0.400	Education Infrastructure	68
Education	56	0.480	Education Performance	57
			Government Involvement	26
	26		Air & Water Quality	23
Environment		0.550	Environment Behavior	34
Environment		0.550	Natural Resources	32
			Renewable Energy	42
	58	0.427	Democracy	40
Governance			Government Competency	46
			Rule of Law	76
			Child Welfare	51
Health &			Disease Management	39
Welfare	50	0.589	Health & Welfare System	60
			Life & Death	2
			ICT Promotion	36
ICT	52	0.355	ICT Scale	59
			ICT Utilization	47
Information at the	50	0.404	Infrastructure Investment	26
Infrastructure	50	0.404	Infrastructure Utility	57
		0.503	Crime & Warfare	70
Safety	55		Natural Disaster Management	52
			Safety and Health	41

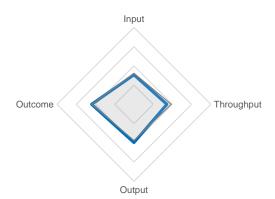
Algeria 54/89

	Rank/89	Score(0-1)	Capital City	Algiers
2016-17 Government Competitiveness	54	0.465	Population	40,606,052 (2016 est.)
2015-16 GC	62	0.442	GDP (PPP)	612,133,180,845 USD (2016 es
2014-15 GC	57	0.466	Unemployment rate	10.60% (2014 est.)
2013-14 GC	53	0.390	Constitutional Form	Republic

GC Ranking by Area



■ Algeria ■ Non-OECD Avg.



	Algeria	■ Non-OECD Avg.	
	Rank	Score	
Input	56	0.384	
Throughput	61	0.429	
Output	38	0.497	
Outcome	53	0.550	

	Rank	Score	Subgroup	Rank
Agriculture &		0.495	Agriculture Resources	80
	27		Food Quality & Safety	34
Food	21	0.495	Institution & Finance	22
			Productivity	16
			Economic Equity	18
Economy	81	0.397	Economic Fundamental	62
			Economic Institution & Policy	80
			Education Diversity	49
Education	53	0.494	Education Infrastructure	49
Education	55	0.494	Education Performance	43
			Government Involvement	48
		0.432	Air & Water Quality	36
Environment	72		Environment Behavior	84
Environment	12		Natural Resources	73
			Renewable Energy	84
	76	0.368	Democracy	62
Governance			Government Competency	70
			Rule of Law	33
			Child Welfare	26
Health &	6	0.678	Disease Management	19
Welfare	О	0.676	Health & Welfare System	18
			Life & Death	36
			ICT Promotion	75
ICT	66	0.258	ICT Scale	53
			ICT Utilization	81
		0.440	Infrastructure Investment	48
Infrastructure	39	0.449	Infrastructure Utility	46
			Crime & Warfare	21
Safety	24	0.614	Natural Disaster Management	40
			Safety and Health	28

Venezuela, RB

55/89

	Rank/89	Score(0-1)
2016-17 Government Competitivene	ss 55	0.464
2015-16 GC	41	0.493
2014-15 GC	56	0.469
2013-14 GC	-	-

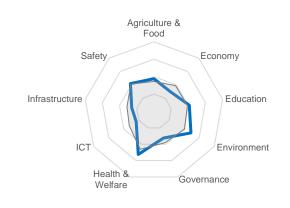
Capital City Caracas
Population 31,568,179 (2016 est.)

GDP (PPP) 554 246 429 722 USD

GDP (PPP) 554,246,429,722 USD (2013 est.) Unemployment rate 6.82% (2015 est.)

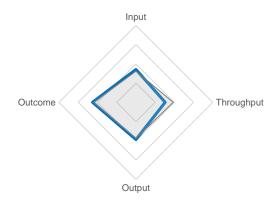
Constitutional Form Republic

GC Ranking by Area



Venezuela, RB

■ Non-OECD Avg.



_	venezuela, RB	Non-OECD Avg.
	Rank	Score
Input	40	0.427
Throughput	74	0.380
Output	45	0.483
Outcome	49	0.563

	Rank	Score	Subgroup	Rank
		0.470	Agriculture Resources	76
Agriculture &	26		Food Quality & Safety	33
Food	36	0.470	Institution & Finance	21
			Productivity	70
			Economic Equity	6
Economy	87	0.370	Economic Fundamental	89
			Economic Institution & Policy	89
			Education Diversity	13
Education	47	0.517	Education Infrastructure	74
Education	47	0.517	Education Performance	35
			Government Involvement	53
		0.614	Air & Water Quality	37
Covironment	9		Environment Behavior	44
Environment			Natural Resources	2
			Renewable Energy	70
	67	0.405	Democracy	63
Governance			Government Competency	43
			Rule of Law	67
			Child Welfare	20
Health &	13	0.656	Disease Management	38
Welfare	13	0.656	Health & Welfare System	25
			Life & Death	47
			ICT Promotion	84
ICT	61	0.294	ICT Scale	34
			ICT Utilization	67
Lafara dan satura	00	0.000	Infrastructure Investment	88
Infrastructure	66	0.323	Infrastructure Utility	64
		0.524	Crime & Warfare	85
Safety	49		Natural Disaster Management	29
			Safety and Health	26
-				

Rwanda 56/89

	Rank/89	Score(0-1)	Capital City	Kigali
2016-17 Government Competitiveness	56	0.459	Population	11,917,508 (2016 est.)
2015-16 GC	53	0.469	GDP (PPP)	22,802,984,391 USD (2016 est.)
2014-15 GC	40	0.503	Unemployment rate	3.44% (2012 est.)
2013-14 GC	18	0.512	Constitutional Form	Republic

GC Ranking by Area Rank Score Subgroup Rank Agriculture Resources 5 Agriculture & Food Food Quality & Safety 69 Agriculture & 48 0.431 Food Safety Economy Institution & Finance 58 Productivity 20 **Economic Equity** 84 Infrastructure Education **Economic Fundamental** Economy 0.491 23 44 **Economic Institution & Policy** 20 Environment **Education Diversity** 31 **Education Infrastructure** Health & 2 Governance Education 63 0.417 70 **Education Performance** Government Involvement 60 Rwanda Non-OECD Avg. Air & Water Quality 73 **Environment Behavior** 26 GC Ranking by Stage Environment 50 0.501 Natural Resources 58 Input 15 Renewable Energy 66 Democracy **Government Competency** 50 Governance 41 0.469 Rule of Law 73 Child Welfare 73 Outcome Throughput Disease Management 23 Health & 51 0.586 Welfare Health & Welfare System 61 Life & Death 8 **ICT** Promotion 4 Output ICT Scale 77 **ICT** 34 0.448 ICT Utilization 17 Rwanda Non-OECD Avg. Rank Score Infrastructure Investment 22 Infrastructure 65 0.325 Input Infrastructure Utility 63 58 0.383 Throughput Crime & Warfare 53 30 0.540 Output Safety 0.460 Natural Disaster Management 59 63 0.417 Outcome Safety and Health 65 63 0.495

Guatemala

57/89

	Rank/89	Score(0-1)	Capital City	Guatemala City
2016-17 Government Competitiveness	57	0.457	Population	16,582,469 (2016 est.)
2015-16 GC	58	0.449	GDP (PPP)	131,777,094,025 USD (2016 est.)
2014-15 GC	61	0.450	Unemployment	rate 2.42% (2015 est.)
2013-14 GC	34	0.455	Constitutional F	orm Republic

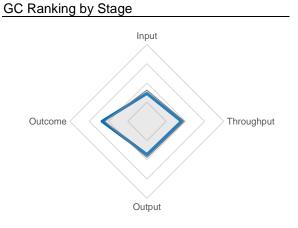
GC Ranking by Area



Guatemala.



■ Non-OECD Avg.



	Guatemala		Non-OECD Avg.
		Rank	Score
Input		65	0.363
Throughput		54	0.450
Output		60	0.432
Outcome		43	0.583

	Rank	Score	Subgroup	Rank
		0.407	Agriculture Resources	37
Agriculture &	38		Food Quality & Safety	53
Food	30	0.467	Institution & Finance	38
			Productivity	21
			Economic Equity	41
Economy	54	0.466	Economic Fundamental	52
			Economic Institution & Policy	56
			Education Diversity	75
Education	67	0.381	Education Infrastructure	83
Education	07	0.301	Education Performance	65
			Government Involvement	59
		0.533	Air & Water Quality	18
Environment	39		Environment Behavior	24
Environment	39		Natural Resources	31
			Renewable Energy	59
			Democracy	52
Governance	51	0.444	Government Competency	28
			Rule of Law	50
			Child Welfare	66
Health &	53	0.573	Disease Management	35
Welfare	55	0.573	Health & Welfare System	59
			Life & Death	11
			ICT Promotion	61
ICT	54	0.351	ICT Scale	57
			ICT Utilization	26
la fan a tau cate can	5 4	0.005	Infrastructure Investment	71
Infrastructure	54	0.385	Infrastructure Utility	50
			Crime & Warfare	64
Safety	51	0.509	Natural Disaster Management	54
			Safety and Health	51
_				

Egypt, Arab Rep.

58/89

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	58	0.456
2015-16 GC	64	0.432
2014-15 GC	60	0.450
2013-14 GC	41	0.433

 Capital City
 Cairo

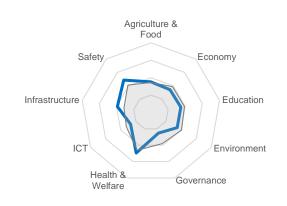
 Population
 95,688,681 (2016 est.)

 GDP (PPP)
 1,065,179,267,161 USD (2016 est.)

Unemployment rate 12.84% (2015 est.)

Constitutional Form Republic

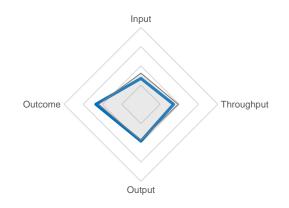
GC Ranking by Area



Non-OECD Ava	

GC Ranking by Stage

Egypt, Arab Rep.



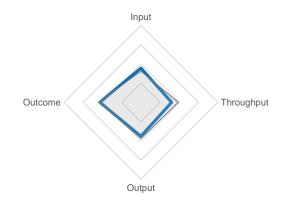
	Egypt, Arab Rep.	Non-OECD Avg.
	Rank	Score
Input	71	0.337
Throughput	65	0.424
Output	46	0.477
Outcome	41	0.586

	Rank	Score	Subgroup	Rank
			Agriculture Resources	68
Agriculture & Food	45	0.439	Food Quality & Safety	30
	40	0.439	Institution & Finance	36
			Productivity	58
			Economic Equity	31
Economy	66	0.428	Economic Fundamental	78
			Economic Institution & Policy	64
			Education Diversity	69
Education	60	0.436	Education Infrastructure	75
Education	62	0.436	Education Performance	44
			Government Involvement	61
			Air & Water Quality	16
F	74	0.407	Environment Behavior	75
Environment	71	0.437	Natural Resources	70
			Renewable Energy	45
			Democracy	85
Governance	84	0.316	Government Competency	81
			Rule of Law	77
			Child Welfare	37
Health &	07		Disease Management	25
Welfare	37	0.618	Health & Welfare System	45
			Life & Death	32
			ICT Promotion	60
ICT	57	0.337	ICT Scale	49
			ICT Utilization	57
			Infrastructure Investment	64
Infrastructure	27	0.488	Infrastructure Utility	26
		5 0.607	Crime & Warfare	51
Safety	25		Natural Disaster Management	43
			Safety and Health	21

Lebanon 59/89

	Rank/89	Score(0-1)	Capital City	Beirut
2016-17 Government Competitiveness	59	0.450	Population	6,006,668 (2016 est.)
2015-16 GC	60	0.447	GDP (PPP)	84,067,236,485 USD (2016 est.)
2014-15 GC	69	0.434	Unemployment rate	6.36% (2009 est.)
2013-14 GC	-	-	Constitutional Form	Republic

Agriculture & Food Safety Economy Infrastructure Health & Governance Lebanon Non-OECD Avg.



Lebanon		☐ Non-OECD Avg.
	Rank	Score
Input	28	0.445
Throughput	67	0.399
Output	58	0.439
Outcome	56	0.535

	Rank	Score	Subgroup	Rank
		0.379	Agriculture Resources	9
Agriculture &	62		Food Quality & Safety	21
Food	02	0.379	Institution & Finance	-
			Productivity	87
			Economic Equity	75
Economy	72	0.421	Economic Fundamental	59
			Economic Institution & Policy	48
			Education Diversity	9
Education	55	0.490	Education Infrastructure	46
Education	55	0.490	Education Performance	52
			Government Involvement	72
		0.369	Air & Water Quality	30
Environment	83		Environment Behavior	80
Environment	03		Natural Resources	85
			Renewable Energy	80
			Democracy	48
Governance	82	0.335	Government Competency	87
			Rule of Law	62
			Child Welfare	1
Health &	47	0.593	Disease Management	60
Welfare	47	0.595	Health & Welfare System	40
			Life & Death	16
			ICT Promotion	72
ICT	46	0.394	ICT Scale	18
			ICT Utilization	61
1-6	47	0.400	Infrastructure Investment	6
Infrastructure	47	0.420	Infrastructure Utility	60
			Crime & Warfare	24
Safety	15	0.648	Natural Disaster Management	21
			Safety and Health	47

Nicaragua

60/89

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	60	0.447
2015-16 GC	51	0.476
2014-15 GC	53	0.473
2013-14 GC	_	-

Capital City Managua
Population 6,149,928 (2016 est.)

GDP (PPP) 34,078,456,323 USD (2016 est.)

Unemployment rate 5.28 (2013 est.)

Constitutional Form Republic

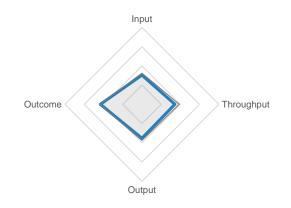
GC Ranking by Area



Non-OECD Avg.

GC Ranking by Stage

Nicaragua



	Nicaragua		Non-OECD Avg.
	F	Rank	Score
Input		59	0.380
Throughput		62	0.428
Output		57	0.440
Outcome		55	0.540

	Rank	Score	Subgroup	Rank
		0.400	Agriculture Resources	59
Agriculture &	50		Food Quality & Safety	57
Food	50	0.423	Institution & Finance	35
			Productivity	39
			Economic Equity	14
Economy	27	0.521	Economic Fundamental	34
			Economic Institution & Policy	53
			Education Diversity	88
Education	79	0.004	Education Infrastructure	87
Education	79	0.281	Education Performance	74
			Government Involvement	65
			Air & Water Quality	24
Environment	16	0.580	Environment Behavior	18
Environment	10	0.560	Natural Resources	19
			Renewable Energy	33
	57	0.433	Democracy	46
Governance			Government Competency	44
			Rule of Law	64
			Child Welfare	45
Health &	14	0.650	Disease Management	10
Welfare	14	0.650	Health & Welfare System	43
			Life & Death	4
			ICT Promotion	80
ICT	74	0.223	ICT Scale	60
			ICT Utilization	71
		0.004	Infrastructure Investment	42
Infrastructure	55	0.381	Infrastructure Utility	55
			Crime & Warfare	42
Safety	45	0.534	Natural Disaster Management	50
			Safety and Health	46

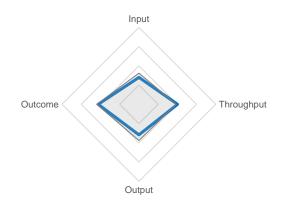
India 61/89

	Rank/89	Score(0-1)	Capital City New Delhi
2016-17 Government Competitiveness	61	0.444	Population 1,324,171,354 (2016 est.)
2015-16 GC	56	0.461	GDP (PPP) 8,702,900,012,352 USD (2016 est.)
2014-15 GC	50	0.482	Unemployment rate 4.90% (2014 est.)
2013-14 GC	26	0.478	Constitutional Form Republic

GC Ranking by Area



☐ India. ☐ Non-OECD Avg.



India.		Non-OECD Avg.
	Rank	Score
Input	70	0.351
Throughput	43	0.502
Output	68	0.396
Outcome	58	0.529

	Rank	Score	Subgroup	Rank
			Agriculture Resources	7
Agriculture &	24	0.500	Food Quality & Safety	66
Food	24	0.500	Institution & Finance	26
			Productivity	23
			Economic Equity	47
Economy	38	0.500	Economic Fundamental	5
			Economic Institution & Policy	49
			Education Diversity	18
Education	61	0.442	Education Infrastructure	45
Education	01	0.442	Education Performance	59
			Government Involvement	58
			Air & Water Quality	78
Covironment	90	0.394	Environment Behavior	48
Environment	80		Natural Resources	68
			Renewable Energy	47
		0.480	Democracy	22
Governance 4	40		Government Competency	62
			Rule of Law	65
			Child Welfare	80
Health &	66	0.523	Disease Management	67
Welfare	00	0.525	Health & Welfare System	42
			Life & Death	44
			ICT Promotion	28
ICT	53	0.352	ICT Scale	69
			ICT Utilization	31
La fara a tana a tana	50	0.077	Infrastructure Investment	75
Infrastructure	Infrastructure 56 0.37		Infrastructure Utility	53
		0.432	Crime & Warfare	84
Safety	64		Natural Disaster Management	60
			Safety and Health	60
-				

Nepal 62/89

	Rank/89	Score(0-1)	Capital City	Kathmandu
2016-17 Government Competitiveness	62	0.441	Population	28,982,771 (2016 est.)
2015-16 GC	61	0.446	GDP (PPP)	71,524,874,584 USD (2016 est.)
2014-15 GC	68	0.436	Unemployment rate	3% (2014 est.)
2013-14 GC	50	0.405	Constitutional Form	Republic

GC Ranking by Area Rank Score Subgroup Rank Agriculture Resources 51 Agriculture & Food Food Quality & Safety 59 Agriculture & 49 0.423 Food Safety Economy Institution & Finance 45 Productivity 17 **Economic Equity** 20 Infrastructure Education **Economic Fundamental** 40 Economy 37 0.500 **Economic Institution & Policy** 60 ICT Environment **Education Diversity** 29 **Education Infrastructure** Health & 39 Governance Education 65 0.395 **Education Performance** 63 Government Involvement 69 Nepal Air & Water Quality 46 Non-OECD Avg. **Environment Behavior** 2 GC Ranking by Stage Environment 36 0.536 Natural Resources 28 Input 60 Renewable Energy 41 Democracy **Government Competency** 49 Governance 47 0.457 Rule of Law 70 Child Welfare 67 Throughput Outcome Disease Management 44 Health & 45 0.596 Welfare Health & Welfare System 57 Life & Death 7 **ICT** Promotion 71 Output ICT Scale 65 ICT 71 0.227 ICT Utilization 70 Nepal Non-OECD Avg. Infrastructure Investment Rank Score 63 Infrastructure 60 0.350 Input Infrastructure Utility 59 68 0.358 Throughput Crime & Warfare 44 63 0.426 Output Safety 59 0.480 Natural Disaster Management 56 47 0.473 Outcome Safety and Health 63 62 0.505

Senegal

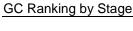
63/89

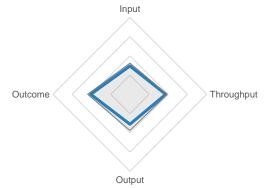
	Rank/89	Score(0-1)	Capital City	Dakar
2016-17 Government Competitiveness	63	0.433	Population	15,411,614 (2016 est.)
2015-16 GC	66	0.419	GDP (PPP)	39,573,948,908 USD (2016 est.)
2014-15 GC	59	0.456	Unemployment rate	25.65% (2013 est.)
2013-14 GC	39	0.440	Constitutional Form	Republic

GC Ranking by Area



☐ Senegal ☐ Non-OECD Avg.





	Senegal.	Non-OECD Avg.	
	Ran	k Score	
Input	63	0.369	
Throughput	49	0.466	
Output	71	0.388	
Outcome	61	0.509	

	Rank	Score	Subgroup	Rank
		0.255	Agriculture Resources	60
Agriculture &	67		Food Quality & Safety	68
Food	67	0.355	Institution & Finance	56
			Productivity	38
			Economic Equity	59
Economy	68	0.425	Economic Fundamental	64
			Economic Institution & Policy	59
			Education Diversity	35
Education	66	0.202	Education Infrastructure	37
Education	66	0.393	Education Performance	81
			Government Involvement	9
		0.570	Air & Water Quality	59
Environment	20		Environment Behavior	46
Environment	20		Natural Resources	21
			Renewable Energy	17
		0.509	Democracy	12
Governance	30		Government Competency	56
			Rule of Law	43
			Child Welfare	44
Health &	54	0.572	Disease Management	54
Welfare	34	0.572	Health & Welfare System	71
			Life & Death	1
			ICT Promotion	29
ICT	58	0.335	ICT Scale	62
			ICT Utilization	50
la fan a tau cate can	C4	0.007	Infrastructure Investment	34
Infrastructure	64	0.327	Infrastructure Utility	67
		0.410	Crime & Warfare	54
Safety	66		Natural Disaster Management	73
			Safety and Health	62

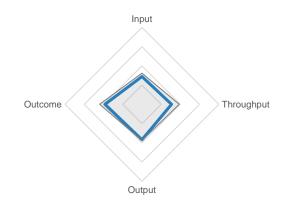
Lao PDR 64/89

	Rank/89	Score(0-1)	Capital City
2016-17 Government Competitiveness	64	0.421	Population
2015-16 GC	57	0.452	GDP (PPP)
2014-15 GC	65	0.440	Unemployment rate
2013-14 GC	51	0.394	Constitutional Form

GC Ranking by Area



■ Lao PDR ■ Non-OECD Avg.



☐ Lao PDR		■ Non-OECD Avg.
	Rank	Score
Input	67	0.361
Throughput	70	0.385
Output	49	0.460
Outcome	67	0.480

	Rank	Score	Subgroup	Rank
			Agriculture Resources	22
Agriculture &	72	0.005	Food Quality & Safety	31
Food	12	0.335	Institution & Finance	17
			Productivity	73
			Economic Equity	50
Economy	21	0.531	Economic Fundamental	29
			Economic Institution & Policy	6
			Education Diversity	37
Education	70	0.362	Education Infrastructure	70
Luucalion	70	0.302	Education Performance	11
			Government Involvement	35
			Air & Water Quality	7
Environment	Environment 14	0.584	Environment Behavior	56
LIMIOIIIIEII	14	0.304	Natural Resources	5
			Renewable Energy	12
			Democracy	15
Governance	78	0.360	Government Competency	11
			Rule of Law	12
			Child Welfare	17
Health &	78	0.471	Disease Management	33
Welfare	70	0.471	Health & Welfare System	8
			Life & Death	84
			ICT Promotion	32
ICT	64	0.283	ICT Scale	12
			ICT Utilization	20
la for a torration	00	0.007	Infrastructure Investment	30
Infrastructure	62	0.337	Infrastructure Utility	61
		0.530	Crime & Warfare	3
Safety	46		Natural Disaster Management	65
			Safety and Health	61

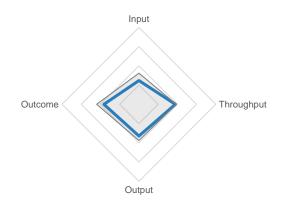
Kenya 65/89

	Rank/89	Score(0-1)	Capital City Nairobi
2016-17 Government Competitiveness	65	0.412	Population 48,461,567 (2016 est.)
2015-16 GC	68	0.416	GDP (PPP) 152,941,817,637 USD (2016 est.)
2014-15 GC	58	0.463	Unemployment rate 12.17% (2009 est.)
2013-14 GC	42	0.429	Constitutional Form Republic

GC Ranking by Area



■ Kenya ■ Non-OECD Avg.



<u> </u>	■ Kenya ■ Non-		
	Rank	Score	
Input	77	0.309	
Throughput	46	0.474	
Output	64	0.411	
Outcome	69	0.455	

	Rank	Score	Subgroup	Rank
		0.070	Agriculture Resources	67
Agriculture &	65		Food Quality & Safety	72
Food	03	0.373	Institution & Finance	49
			Productivity	26
			Economic Equity	87
Economy	78	0.405	Economic Fundamental	73
			Economic Institution & Policy	38
			Education Diversity	36
Education	45	0.510	Education Infrastructure	66
Education	45	0.519	Education Performance	47
			Government Involvement	31
		0.509	Air & Water Quality	58
Environment	47		Environment Behavior	16
Environment	47		Natural Resources	54
			Renewable Energy	20
	64	0.410	Democracy	47
Governance			Government Competency	73
			Rule of Law	78
			Child Welfare	53
Health &	G.E.	0.522	Disease Management	70
Welfare	65	0.523	Health & Welfare System	62
			Life & Death	42
			ICT Promotion	21
ICT	48	0.383	ICT Scale	67
			ICT Utilization	25
la fan a tarretran	75	0.269	Infrastructure Investment	44
Infrastructure	/5		Infrastructure Utility	78
		0.320	Crime & Warfare	78
Safety	76		Natural Disaster Management	82
			Safety and Health	70
-				

	Rank/89	Score(0-1)	Capital City Phnom Penh
2016-17 Government Competitiveness	66	0.409	Population 15,762,370 (2016 est.)
2015-16 GC	63	0.436	GDP (PPP) 58,879,996,176 USD (2016 est.)
2014-15 GC	63	0.445	Unemployment rate 0.18% (2014 est.)
2013-14 GC	43	0.425	Constitutional Form Constitutional monarchy

GC Ranking by Area Rank Score Subgroup Rank Agriculture Resources 61 Agriculture & Food Food Quality & Safety 73 Agriculture & 58 0.388 Food Safety Economy Institution & Finance 50 Productivity 10 **Economic Equity** 21 Infrastructure Education **Economic Fundamental** 10 Economy 19 0.536 **Economic Institution & Policy** 74 Environment **Education Diversity** 86 **Education Infrastructure** Health & 7 Governance Education 74 0.330 Welfare **Education Performance** 67 Government Involvement 89 Cambodia Air & Water Quality 52 Non-OECD Avg. **Environment Behavior** 27 GC Ranking by Stage Environment 21 0.569 Natural Resources 6 Input 14 Renewable Energy 72 Democracy **Government Competency** 36 Governance 70 0.390 Rule of Law 71 Child Welfare 62 Outcome Throughput Disease Management 62 Health & 60 0.540 Welfare Health & Welfare System 65 Life & Death 6 **ICT** Promotion 58 Output ICT Scale 58 **ICT** 65 0.267 ICT Utilization 73 Cambodia Non-OECD Avg. Rank Score Infrastructure Investment 60 Infrastructure 77 0.259 Input Infrastructure Utility 77 69 0.356 Throughput Crime & Warfare 30 76 0.375 Output Safety 0.403 Natural Disaster Management 74 55 0.453 Outcome Safety and Health 64 70 0.453

Tanzania **67**/89

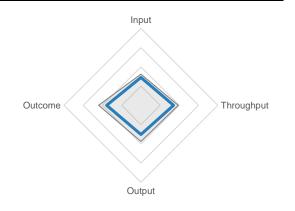
	Rank/89	Score(0-1)
016-17 Government Competitiveness	67	0.403
015-16 GC	71	0.380
014-15 GC	71	0.431
013-14 GC	44	0.424

GC Ranking by Area



Tanzania ■ Non-OECD Avg. GC Ranking by Stage





Tanzania		Non-OECD Avg.
	Rank	Score
Input	66	0.362
Throughput	64	0.425
Output	74	0.378
Outcome	71	0.445

	Rank	Score	Subgroup	Rank
Agriculture &			Agriculture Resources	70
	70	0.333	Food Quality & Safety	82
Food	73	0.333	Institution & Finance	62
			Productivity	4
			Economic Equity	53
Economy	51	0.469	Economic Fundamental	30
			Economic Institution & Policy	63
			Education Diversity	71
□ d	00	0.074	Education Infrastructure	19
Education	68	0.374	Education Performance	71
			Government Involvement	71
	32		Air & Water Quality	85
Environment		0.539	Environment Behavior	36
Environment		0.559	Natural Resources	4
			Renewable Energy	82
	33	0.499	Democracy	28
Governance			Government Competency	63
			Rule of Law	48
	50		Child Welfare	76
Health &		0.547	Disease Management	48
Welfare	59	0.547	Health & Welfare System	67
			Life & Death	12
			ICT Promotion	57
ICT	69	0.237	ICT Scale	85
			ICT Utilization	62
Information at the	70	0.040	Infrastructure Investment	45
Infrastructure	79	0.240	Infrastructure Utility	82
		0.385	Crime & Warfare	55
Safety	68		Natural Disaster Management	72
			Safety and Health	74

Zambia 68/89

	Rank/89	Score(0-1)	Capital City	Lusaka
2016-17 Government Competitiveness	68	0.401	Population	16,591,390 (2016 est.)
2015-16 GC	67	0.419	GDP (PPP)	65,076,994,820 USD (2016 est.)
2014-15 GC	70	0.433	Unemployment rate	7.85% (2012 est.)
2013-14 GC	47	0.416	Constitutional Form	Republic

GC Ranking by Area Rank Score Subgroup Rank Agriculture Resources 85 Agriculture & Food Food Quality & Safety 83 Agriculture & 80 0.285 Food Safety Economy Institution & Finance 62 Productivity 11 **Economic Equity** 86 Infrastructure Education 0.441 **Economic Fundamental** 43 Economy 63 **Economic Institution & Policy** 44 Environment **Education Diversity** 81 **Education Infrastructure** Health & 6 Governance Education 57 0.480 **Education Performance** 60 Government Involvement 74 Zambia Non-OECD Avg. Air & Water Quality 49 **Environment Behavior** 9 GC Ranking by Stage Environment 5 0.652 Natural Resources 1 Input 16 Renewable Energy 44 Democracy **Government Competency** 41 Governance 44 0.464 Rule of Law 59 Child Welfare 81 Throughput Outcome Disease Management 76 Health & 84 0.441 Welfare Health & Welfare System 75 Life & Death 70 **ICT** Promotion 35 Output ICT Scale 75 **ICT** 60 0.305 ICT Utilization 56 Zambia Non-OECD Avg. Rank Score Infrastructure Investment 80 Infrastructure 82 0.234 Input Infrastructure Utility 72 61 0.375 Throughput Crime & Warfare 72 60 0.436 Output Safety 78 0.309 Natural Disaster Management 80 67 0.400 Outcome Safety and Health 75 81 0.394

Bangladesh

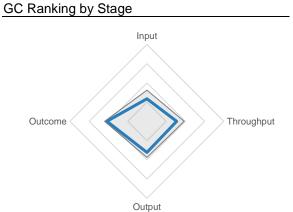
69/89

	Rank/89	Score(0-1)	Capital City Dhaka
2016-17 Government Competitiveness	69	0.401	Population 162,951,560 (2016 est.)
2015-16 GC	65	0.422	GDP (PPP) 583,479,693,959 USD (2016 est.)
2014-15 GC	73	0.423	Unemployment rate 4.26% (2013 est.)
2013-14 GC	55	0.373	Constitutional Form Republic

GC Ranking by Area



■ Bangladesh ■ Non-OECD Avg.



	Bangladesn	Non-OECD Avg.
	Rank	Score
Input	81	0.293
Throughput	68	0.387
Output	66	0.403
Outcome	60	0.520

	Rank	Score	Subgroup	Rank
		0.461	Agriculture Resources	2
Agriculture &	40		Food Quality & Safety	78
Food	40	0.401	Institution & Finance	31
			Productivity	31
			Economic Equity	16
Economy	50	0.471	Economic Fundamental	21
			Economic Institution & Policy	83
			Education Diversity	43
Education	72	0.341	Education Infrastructure	72
Education	12	0.341	Education Performance	68
			Government Involvement	85
			Air & Water Quality	69
Environment	84	0.365	Environment Behavior	42
Environment	04	0.365	Natural Resources	81
			Renewable Energy	49
	75	0.372	Democracy	65
Governance			Government Competency	64
			Rule of Law	81
		0.559	Child Welfare	72
Health &	- -		Disease Management	41
Welfare	57		Health & Welfare System	66
			Life & Death	3
			ICT Promotion	63
ICT	67	0.252	ICT Scale	73
			ICT Utilization	60
	70	0.070	Infrastructure Investment	82
Infrastructure	73	0.278	Infrastructure Utility	66
		2 0.509	Crime & Warfare	56
Safety	52		Natural Disaster Management	58
			Safety and Health	58

Malawi 70/89

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	70	0.384
2015-16 GC	70	0.395
2014-15 GC	67	0.438
2013-14 GC	_	_

Capital City Lilongwe
Population 18,091,575 (2016 est.)

GDP (PPP) 21,154,727,200 USD (2016 est.)

Unemployment rate 6.44% (2013 est.)

Rank Score

0.388

0.541

0.153

85

60

Constitutional Form Republic

Agriculture &

Environment 29

ICT

Food

GC Ranking by Area



Economic Equity 71 0.437 **Economic Fundamental** 74 Economy 65 Economic Institution & Policy 67 **Education Diversity** 70 Education Infrastructure 5 Education 64 0.397 **Education Performance** 72 Government Involvement 37

Subgroup

Agriculture Resources

Food Quality & Safety

Institution & Finance

Air & Water Quality

Environment Behavior

Productivity

Rank

17

81

61 7

72

23

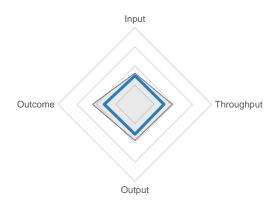
74

89

83

GC Ranking by Stage

Malawi



Non-OECD Avg.

			Natural Resources	23
			Renewable Energy	27
Governance 50 0.445	Democracy	35		
	Government Competency	54		
			Rule of Law	61
Health & 64 0.520 Welfare		Child Welfare	68	
	0.506	Disease Management	66	
	04	0.526	Health & Welfare System	69
			Life & Death	13

ICT Promotion

ICT Utilization

ICT Scale

Malav	ı 🗆 iv	■ Non-OECD Avg.			
	Rank	Score			
Input	62	0.372			
Throughput	75	0.378			
Output	70	0.388			
Outcome	79	0.398			

Infrastructure	71	0.278	Infrastructure Investment	
IIIIIaStructure	74	0.276	Infrastructure Utility	73
	Safety 82 0.2		Crime & Warfare	69
Safety		0.293	Natural Disaster Management	71
			Safety and Health	79

Timor-Leste

71/89

	Rank/89	Score(0-1)	Capital City Dili
2016-17 Government Competitiveness	71	0.384	Population 1,268,671 (2016 est.)
2015-16 GC	72	0.379	GDP (PPP) 2,842,268,279 USD (2015 est.)
2014-15 GC	72	0.427	Unemployment rate 3.05% (2010 est.)
2013-14 GC	45	0.423	Constitutional Form Republic

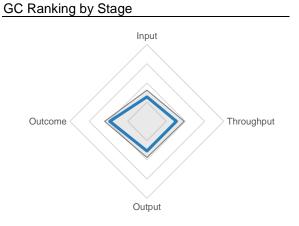
GC Ranking by Area



■ Timor-Leste



■ Non-OECD Avg.



_	I imor-Leste	Non-OECD Avg.
	Rank	Score
Input	75	0.318
Throughput	72	0.384
Output	72	0.385
Outcome	66	0.482

	Rank	Score	Subgroup	Rank
		0.282	Agriculture Resources	53
Agriculture &	0.1		Food Quality & Safety	67
Food	81		Institution & Finance	-
			Productivity	60
			Economic Equity	36
Economy	84	0.392	Economic Fundamental	35
			Economic Institution & Policy	86
			Education Diversity	3
Education	60	0.454	Education Infrastructure	73
Education	60		Education Performance	49
			Government Involvement	22
		0.489	Air & Water Quality	48
Environment	56		Environment Behavior	88
Environment	30		Natural Resources	57
			Renewable Energy	-
			Democracy	7
Governance	16	0.569	Government Competency	76
			Rule of Law	82
			Child Welfare	83
Health &	88	0.399	Disease Management	85
Welfare	00	0.399	Health & Welfare System	80
			Life & Death	33
			ICT Promotion	79
ICT	84	0.160	ICT Scale	70
			ICT Utilization	85
	00	0.000	Infrastructure Investment	43
Infrastructure	68	0.299	Infrastructure Utility	56
		0.411	Crime & Warfare	47
Safety	65		Natural Disaster Management	62
			Safety and Health	66

Cameroon

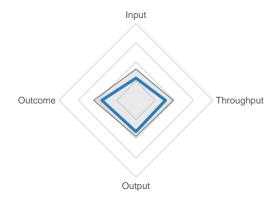
72/89

	Rank/89	Score(0-1)	Capital City Yaounde
2016-17 Government Competitiveness	72	0.381	Population 23,439,189 (2016 est.)
2015-16 GC	69	0.398	GDP (PPP) 77,014,883,946 USD (2016 est.)
2014-15 GC	78	0.396	Unemployment rate 4.11% (2010 est.)
2013-14 GC	58	0.347	Constitutional Form Republic

GC Ranking by Area



☐ Cameroon ☐ Non-OECD Avg.



	Cameroon	■ Non-OECD Avg.	
	Rank	Score Score	
Input	82	0.289	
Throughput	71	0.385	
Output	65	0.407	
Outcome	72	0.443	

	Rank	Score	Subgroup	Rank
		0.399	Agriculture Resources	82
Agriculture &	54		Food Quality & Safety	49
Food	54	0.399	Institution & Finance	55
			Productivity	18
			Economic Equity	60
Economy	64	0.440	Economic Fundamental	22
			Economic Institution & Policy	77
			Education Diversity	62
Education	60	0 272	Education Infrastructure	56
Education	69	0.373	Education Performance	66
			Government Involvement	73
	46	0.510	Air & Water Quality	51
Covironment			Environment Behavior	12
Environment			Natural Resources	41
			Renewable Energy	40
			Democracy	67
Governance	77	0.368	Government Competency	66
			Rule of Law	79
			Child Welfare	52
Health &	70	0.402	Disease Management	69
Welfare	73	0.492	Health & Welfare System	68
			Life & Death	76
			ICT Promotion	49
ICT	68	0.250	ICT Scale	74
			ICT Utilization	72
Infractruot	60	0.200	Infrastructure Investment	47
Infrastructure	69	0.298	Infrastructure Utility	68
		0.299	Crime & Warfare	83
Safety	81		Natural Disaster Management	76
			Safety and Health	73
-				

Uganda

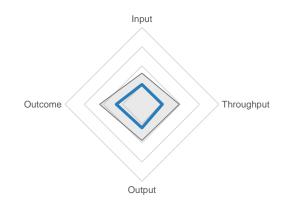
73/89

	Rank/89	Score(0-1)	C	Capital City	Kampala
2016-17 Government Competitiveness	73	0.380	F	Population	41,487,965 (2016 est.)
2015-16 GC	73	0.377	(GDP (PPP)	76,702,400,286 USD (2016 est.)
2014-15 GC	74	0.418	ι	Jnemployment rate	1.91% (2013 est.)
2013-14 GC	48	0.412	C	Constitutional Form	Republic

GC Ranking by Area



☐ Uganda ☐ Non-OECD Avg.



_	Uganda	Non-OECD Avg.			
	Rai	nk Score			
Input	72	2 0.330			
Throughput	58	0.440			
Output	8	0.345			
Outcome	76	0.406			

	Rank	Score	Subgroup	Rank
		0.408	Agriculture Resources	8
Agriculture &	51		Food Quality & Safety	71
Food	31		Institution & Finance	53
			Productivity	76
			Economic Equity	89
Economy	83	0.396	Economic Fundamental	75
			Economic Institution & Policy	39
			Education Diversity	87
Education	71	0.352	Education Infrastructure	16
Education	/ 1		Education Performance	69
			Government Involvement	79
	44	0.516	Air & Water Quality	82
Environment			Environment Behavior	22
Environment			Natural Resources	37
			Renewable Energy	79
	56	0.436	Democracy	42
Governance			Government Competency	71
			Rule of Law	80
		0.400	Child Welfare	65
Health &	74		Disease Management	75
Welfare	74	0.490	Health & Welfare System	73
			Life & Death	39
			ICT Promotion	38
ICT	63	0.291	ICT Scale	80
			ICT Utilization	53
La fore a torrestrone	00	0.000	Infrastructure Investment	74
Infrastructure	83	0.229	Infrastructure Utility	69
			Crime & Warfare	74
Safety	80	0.304	Natural Disaster Management	78
			Safety and Health	83

Zimbabwe

74/89

	Rank/89	Score(0-1)	Capital City Harare
2016-17 Government Competitiveness	74	0.379	Population 16,150,362 (2016 est.)
2015-16 GC	76	0.367	GDP (PPP) 32,403,678,096 USD (2016 est.)
2014-15 GC	83	0.353	Unemployment rate 11.32% (2014 est.)
2013-14 GC	-	-	Constitutional Form Republic

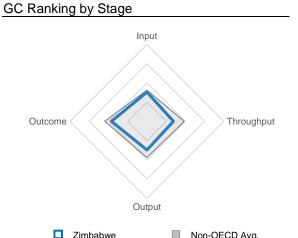
GC Ranking by Area



Zimbabwe



■ Non-OECD Avg.



_	Zimbabwe	Non-OECD Avg.	
	Rank	Score	
Input	60	0.380	
Throughput	81	0.345	
Output	76	0.372	
Outcome	68	0.461	

	Rank	Score	Subgroup	Rank
			Agriculture Resources	66
Agriculture &	88	0.213	Food Quality & Safety	76
Food	00	0.213	Institution & Finance	-
			Productivity	81
			Economic Equity	74
Economy	67	0.426	Economic Fundamental	56
			Economic Institution & Policy	81
			Education Diversity	41
Education	34	0.551	Education Infrastructure	36
Education	34	0.551	Education Performance	61
			Government Involvement	4
			Air & Water Quality	57
Environment	15	0.583	Environment Behavior	33
Environment	15	0.563	Natural Resources	10
			Renewable Energy	3
			Democracy	80
Governance	87	0.282	Government Competency	85
			Rule of Law	85
			Child Welfare	64
Health &	75	0.407	Disease Management	79
Welfare	75	0.487	Health & Welfare System	74
			Life & Death	59
			ICT Promotion	77
ICT	72	0.226	ICT Scale	61
			ICT Utilization	77
Infrastructure	70	0.293	Infrastructure Investment	10
mirastructure	70	0.293	Infrastructure Utility	76
			Crime & Warfare	39
Safety	71	0.347	Natural Disaster Management	87
			Safety and Health	72

Benin 75/89

	Rank/89	Score(0-1)	Capi	tal City	Porto-Novo
2016-17 Government Competitiveness	75	0.368	Рори	ulation	10,872,298 (2016 est.)
2015-16 GC	74	0.375	GDP	(PPP)	23,573,429,668 USD (2016 est.)
2014-15 GC	66	0.440	Uner	mployment rate	1.04% (2010 est.)
2013-14 GC	-	-	Cons	stitutional Form	Republic

GC Ranking by Area Rank Score Subgroup Rank Agriculture Resources 47 Agriculture & Food Food Quality & Safety 62 Agriculture & 61 0.381 Food Safety Economy Institution & Finance 65 Productivity 13 82 **Economic Equity** Infrastructure Education **Economic Fundamental** Economy 70 0.424 38 **Economic Institution & Policy** 61 ICT Environment **Education Diversity** 82 **Education Infrastructure** Health & 38 Governance Education 78 0.291 73 **Education Performance** Government Involvement 68 Benin Non-OECD Avg. Air & Water Quality 70 **Environment Behavior** 55 GC Ranking by Stage Environment 34 0.538 Natural Resources 12 Input 22 Renewable Energy 50 Democracy **Government Competency** 47 Governance 35 0.491 Rule of Law 69 Child Welfare 55 Throughput Outcome Disease Management 61 Health & 72 0.500 Welfare Health & Welfare System 81 Life & Death 65 **ICT** Promotion 56 Output ICT Scale 76 ICT 80 0.185 ICT Utilization 84 Benin Non-OECD Avg. Rank Score Infrastructure Investment 55 Infrastructure 80 0.238 Input Infrastructure Utility 81 73 0.328 Throughput Crime & Warfare 77 73 0.382 Output Safety 85 0.268 Natural Disaster Management 89 73 0.384 Outcome Safety and Health 78 82 0.380

Safety and Health

80

Burkina Faso

	Rank/89	Score(0-1)	Capital City Ouagadougou
2016-17 Government Competitiveness	76	0.366	Population 18,646,433 (2016 est.)
2015-16 GC	77	0.367	GDP (PPP) 32,074,131,886 USD (2016 est.)
2014-15 GC	77	0.397	Unemployment rate 3.30% (2007 est.)
2013-14 GC	54	0.381	Constitutional Form Republic

GC Ranking by Area Rank Score Subgroup Rank Agriculture Resources 50 Agriculture & Food Food Quality & Safety 70 Agriculture & 75 0.319 Food Safety Economy Institution & Finance 70 Productivity 25 **Economic Equity** 73 Infrastructure Education **Economic Fundamental** 47 Economy 0.445 61 **Economic Institution & Policy** 58 Environment **Education Diversity** 66 **Education Infrastructure** 3 Health & Governance Education 83 0.265 Welfare **Education Performance** 88 Government Involvement 57 Burkina Faso Air & Water Quality 86 Non-OECD Avg. **Environment Behavior** 54 GC Ranking by Stage Environment 37 0.536 Natural Resources 36 Input Renewable Energy 1 53 Democracy **Government Competency** 55 Governance 53 0.442 Rule of Law 52 Child Welfare 70 Outcome Throughput Disease Management 42 Health & 0.516 67 Welfare Health & Welfare System 88 Life & Death 25 **ICT** Promotion 67 Output ICT Scale 78 **ICT** 79 0.186 ICT Utilization 75 Burkina Faso Non-OECD Avg. Rank Score Infrastructure Investment 18 Infrastructure 72 0.283 Input Infrastructure Utility 70 79 0.297 Throughput Crime & Warfare 65 66 0.420 Output Safety 0.307 Natural Disaster Management 75 82 0.344

Outcome

77

0.405

Ethiopia

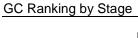
77/89

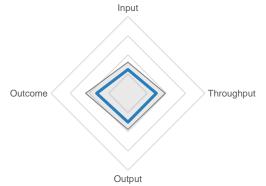
	Rank/89	Score(0-1)	Capital City Addis Ababa
2016-17 Government Competitiveness	77	0.365	Population 102,403,196 (2016 est.)
2015-16 GC	78	0.366	GDP (PPP) 177,661,171,828 USD (2016 est.)
2014-15 GC	75	0.414	Unemployment rate 17.64% (2014 est.)
2013-14 GC	49	0.411	Constitutional Form Republic

GC Ranking by Area



1	Ethiopia		Non-OECD Avg





Ethiopia		Non-OECD Avg.
	Rank	Score
Input	76	0.310
Throughput	77	0.370
Output	75	0.374
Outcome	75	0.406

	Rank	Score	Subgroup	Rank
			Agriculture Resources	78
Agriculture &	71	0.336	Food Quality & Safety	84
Food	/ 1	0.330	Institution & Finance	46
			Productivity	9
			Economic Equity	5
Economy	41	0.499	Economic Fundamental	27
			Economic Institution & Policy	84
			Education Diversity	67
Education	75	0.318	Education Infrastructure	20
Education	75	0.316	Education Performance	80
			Government Involvement	45
			Air & Water Quality	68
Environment	59	0.483	Environment Behavior	11
Environment	59	0.463	Natural Resources	38
			Renewable Energy	73
			Democracy	79
Governance	83	0.327	Government Competency	80
			Rule of Law	86
			Child Welfare	78
Health &	63	0.530	Disease Management	65
Welfare	03	0.550	Health & Welfare System	56
			Life & Death	5
			ICT Promotion	47
ICT	77	0.207	ICT Scale	86
			ICT Utilization	66
Infractruotura	. 06	0.204	Infrastructure Investment	65
Infrastructure	86	0.204	Infrastructure Utility	85
			Crime & Warfare	80
Safety	69	0.382	Natural Disaster Management	66
			Safety and Health	71

Pakistan 78/89

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	78	0.364
2015-16 GC	79	0.364
2014-15 GC	81	0.366
2013-14 GC	57	0.353

GC Ranking by Area Rank Score Subgroup Rank Agriculture Resources 21 Agriculture & Food Food Quality & Safety 65 Agriculture & 43 0.443 Food Safety Economy Institution & Finance 43 Productivity 22 **Economic Equity** 27 Infrastructure Education **Economic Fundamental** 54 Economy 69 0.424 **Economic Institution & Policy** 82 Environment **Education Diversity** 76 **Education Infrastructure** Health & 15 Governance Education 73 0.340 Welfare **Education Performance** 76 Government Involvement 66 Pakistan Air & Water Quality 56 Non-OECD Avg. **Environment Behavior** 47 GC Ranking by Stage Environment 76 0.413 Natural Resources 71 Input 9 Renewable Energy 71 Democracy **Government Competency** 88 Governance 85 0.295 Rule of Law 83 Child Welfare 77 Outcome Throughput Disease Management 78 Health & 82 0.447 Welfare Health & Welfare System 78 Life & Death 43 **ICT** Promotion 66 Output ICT Scale 79 **ICT** 76 0.207 ICT Utilization 69 Pakistan Non-OECD Avg. Rank Score Infrastructure Investment 70 Infrastructure 63 0.331 Input Infrastructure Utility 62 86 0.260 Throughput Crime & Warfare 87 79 0.354 Output Safety 0.372 Natural Disaster Management 69 78 0.355 Outcome Safety and Health 68

65

0.485

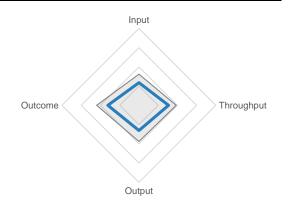
Mali 79/89

	Rank/89	Score(0-1)	Capital City	Bamako
2016-17 Government Competitiveness	79	0.353	Population	17,994,837 (2016 est.)
2015-16 GC	83	0.343	GDP (PPP)	38,098,995,999 USD (2016 est.)
2014-15 GC	82	0.364	Unemployment rate	8.07% (2010 est.)
2013-14 GC	56	0.367	Constitutional Form	Republic

GC Ranking by Area



☐ Mali ☐ Non-OECD Avg.



	Mali	■ Non-OECD Avg.
	Rank	Score
Input	80	0.295
Throughput	69	0.385
Output	84	0.327
Outcome	78	0.404

	Rank	Score	Subgroup	Rank
			Agriculture Resources	81
Agriculture &	63	0.379	Food Quality & Safety	60
Food	03	0.379	Institution & Finance	58
			Productivity	8
			Economic Equity	64
Economy	80	0.401	Economic Fundamental	77
			Economic Institution & Policy	65
			Education Diversity	78
Education	86	0.233	Education Infrastructure	59
Education	00	0.233	Education Performance	89
			Government Involvement	54
			Air & Water Quality	84
Environment	60	0.451	Environment Behavior	28
Environment	68	0.451	Natural Resources	63
			Renewable Energy	7
			Democracy	37
Governance	65	0.407	Government Competency	83
			Rule of Law	55
			Child Welfare	63
Health &	77	0.472	Disease Management	71
Welfare	77	0.472	Health & Welfare System	87
			Life & Death	68
			ICT Promotion	41
ICT	70	0.234	ICT Scale	63
			ICT Utilization	78
	70	0.007	Infrastructure Investment	32
Infrastructure	76	0.267	Infrastructure Utility	71
			Crime & Warfare	68
Safety	75	0.330	Natural Disaster Management	83
			Safety and Health	82

Mozambique

80/89

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	80	0.347
2015-16 GC	75	0.372
2014-15 GC	79	0.395
2013-14 GC	52	0.393

 Capital City
 Maputo

 Population
 28,829,476 (2016 est.)

 GDP (PPP)
 35,088,683,802 USD (2016 est.)

 Unemployment rate
 25.30% (2014 est.)

Constitutional Form Republic

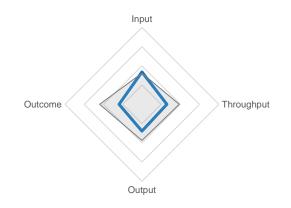
GC Ranking by Area



■ Non-OECD Avg.

GC Ranking by Stage

Mozambique



	Mozambique	■ Non-OECD Avg.	
	Rank	Score	
Input	42	0.421	
Throughput	82	0.325	
Output	80	0.347	
Outcome	89	0.297	

	Rank	Score	Subgroup	Rank
			Agriculture Resources	79
Agriculture &	0.5	0.054	Food Quality & Safety	89
Food	85	0.251	Institution & Finance	64
			Productivity	24
			Economic Equity	77
Economy	52	0.468	Economic Fundamental	80
			Economic Institution & Policy	68
			Education Diversity	80
Education	77	0.297	Education Infrastructure	10
Luucalion	,,	0.291	Education Performance	84
			Government Involvement	24
			Air & Water Quality	74
Environment	49	0.507	Environment Behavior	5
LIMIOIIIIEII	49	0.507	Natural Resources	34
			Renewable Energy	43
			Democracy	56
Governance	69	0.392	Government Competency	72
			Rule of Law	66
	86	0.430	Child Welfare	71
Health &			Disease Management	82
Welfare	80	0.430	Health & Welfare System	89
			Life & Death	56
			ICT Promotion	65
ICT	78	0.192	ICT Scale	82
			ICT Utilization	79
la facatamento as	67 0.316	0.040	Infrastructure Investment	2
Infrastructure		0.316	Infrastructure Utility	88
			Crime & Warfare	67
Safety	84	0.273	Natural Disaster Management	85
			Safety and Health	85

Liberia 81/89

	Rank/89	Score(0-1)	Capital City Monrovia
2016-17 Government Competitiveness	81	0.342	Population 4,613,823 (2016 est.)
2015-16 GC	80	0.351	GDP (PPP) 3,750,515,525 USD (2016 est.)
2014-15 GC	64	0.444	Unemployment rate 3.71% (2010 est.)
2013-14 GC	_	-	Constitutional Form Republic

GC Ranking by Area Rank Score Subgroup Rank Agriculture Resources 65 Agriculture & Food Food Quality & Safety 87 Agriculture & 86 0.243 Food Safety Economy Institution & Finance Productivity 46 **Economic Equity** 68 Infrastructure Education **Economic Fundamental** Economy 46 0.485 63 **Economic Institution & Policy** 76 ICT Environment **Education Diversity** 73 **Education Infrastructure** Health & 80 Governance Education 87 0.231 **Education Performance** 85 Government Involvement 87 Liberia Air & Water Quality 81 Non-OECD Avg. **Environment Behavior** 1 GC Ranking by Stage Environment 70 0.437 Natural Resources 74 Input 65 Renewable Energy 19 Democracy **Government Competency** 77 Governance 61 0.412 Rule of Law 74 Child Welfare 69 Outcome Throughput Disease Management 83 Health & 83 0.445 Welfare Health & Welfare System 86 Life & Death 14 **ICT** Promotion 51 Output ICT Scale 83 **ICT** 75 0.211 ICT Utilization 74 Liberia Non-OECD Avg. Rank Score Infrastructure Investment 1 Infrastructure 61 0.340 Input Infrastructure Utility 86 64 0.368 Throughput Crime & Warfare 62 85 0.282 Output Safety 0.277 Natural Disaster Management 86 85 0.326 Outcome Safety and Health 84 73 0.416

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	82	0.334
2015-16 GC	82	0.344
2014-15 GC	76	0.402
2013-14 GC	-	-

Capital City Freetown
Population 7,396,190 (2016 est.)

GDP (PPP) 10,897,574,492 USD (2016 est.)

Unemployment rate 3.42% (2004 est.)

Constitutional Form Republic

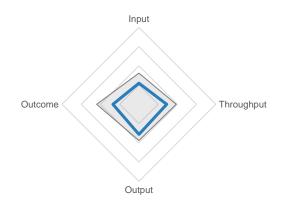
GC Ranking by Area



nance	Education

GC Ranking by Stage

■ Sierra Leone



■ Non-OECD Avg.

ш	Sierra Leone.	■ Non-OECD Avg.
	Rank	Score
Input	85	0.275
Throughput	78	0.361
Output	69	0.390
Outcome	85	0.338

	Rank	Score	Subgroup	Rank
Agriculture &			Agriculture Resources	41
	64	0.275	Food Quality & Safety	80
Food	64	0.375	Institution & Finance	67
			Productivity	1
			Economic Equity	66
Economy	59	0.451	Economic Fundamental	37
			Economic Institution & Policy	75
			Education Diversity	4
Education	84	0.261	Education Infrastructure	88
Luucalion	04	0.201	Education Performance	77
			Government Involvement	77
			Air & Water Quality	88
Environment	60	0.471	Environment Behavior	19
LIMIOIIIIEII	00	0.471	Natural Resources	49
			Renewable Energy	-
	62	0.411	Democracy	43
Governance			Government Competency	60
			Rule of Law	56
	80		Child Welfare	74
Health &		0.457	Disease Management	68
Welfare	80		Health & Welfare System	77
			Life & Death	82
			ICT Promotion	-
ICT	87	0.095	ICT Scale	66
			ICT Utilization	88
la facation atoms	0.4	0.007	Infrastructure Investment	9
Infrastructure	84	0.227	Infrastructure Utility	84
			Crime & Warfare	61
Safety	86	0.254	Natural Disaster Management	81
			Safety and Health	88

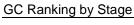
Nigeria 83/89

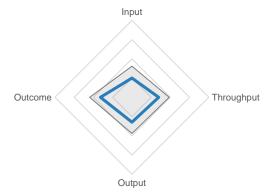
	Rank/89	Score(0-1)	Capital City	Abuja
2016-17 Government Competitiveness	83	0.333	Population	185,989,640 (2016 est.)
2015-16 GC	81	0.350	GDP (PPP)	1,091,227,625,574 USD (2016 est.)
2014-15 GC	80	0.377	Unemployment rate	4.31% (2015 est.)
2013-14 GC	59	0.320	Constitutional Form	Republic

GC Ranking by Area



■ Nigeria ■ Non-OECD Avg.





	Nigeria	Non-OECD Avg.			
	Rank	Score			
Input	88	0.251			
Throughput	80	0.348			
Output	86	0.323			
Outcome	74	0.408			

	Rank	Score	Subgroup	Rank
Agriculture &		0.400	Agriculture Resources	18
	44		Food Quality & Safety	55
Food	44	0.439	Institution & Finance	51
			Productivity	57
			Economic Equity	62
Economy	88	0.369	Economic Fundamental	84
			Economic Institution & Policy	73
			Education Diversity	74
Education	81	0.273	Education Infrastructure	85
Education	01	0.273	Education Performance	82
			Government Involvement	70
		0.466	Air & Water Quality	64
Environment	62		Environment Behavior	38
Environment	02		Natural Resources	48
			Renewable Energy	57
		0.373	Democracy	58
Governance	74		Government Competency	74
			Rule of Law	72
			Child Welfare	56
Health &	87	0.420	Disease Management	86
Welfare	07	0.420	Health & Welfare System	63
			Life & Death	88
			ICT Promotion	70
ICT	73	0.224	ICT Scale	68
			ICT Utilization	68
	00	0.477	Infrastructure Investment	84
Infrastructure	88	0.177	Infrastructure Utility	80
		37 0.253	Crime & Warfare	86
Safety	87		Natural Disaster Management	84
			Safety and Health	89

Mauritania

84/89

Rank

75

88

19

49

76

78

64

53

83

80

79

49

82

72

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	84	0.318
2015-16 GC	86	0.301
2014-15 GC	84	0.352
2013-14 GC	-	-

Capital City Nouakchott

4,301,018 (2016 est.) Population

GDP (PPP) 16,574,121,951 USD (2016 est.)

Unemployment rate 10.10% (2012 est.)

Rank Score

83

Constitutional Form Republic

Agriculture &

ICT

GC Ranking by Area



0.267 Food Institution & Finance Productivity **Economic Equity** 0.396 **Economic Fundamental** Economy 82 Economic Institution & Policy **Education Diversity** Education Infrastructure Education 85 0.254 Education Performance

Subgroup

Agriculture Resources

Food Quality & Safety

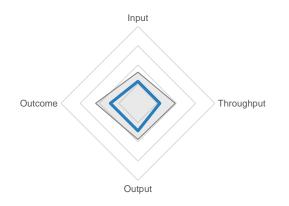
Government Involvement

Air & Water Quality

Environment Rehavior

GC Ranking by Stage

Mauritania.



Non-OECD Avg.

Environment 89	0.311	Environment Behavior	78	
Environment	09	0.311	Natural Resources	89
			Renewable Energy	41
Governance 73		0.373	Democracy	61
	73		Government Competency	84
			Rule of Law	84
			Child Welfare	50
Health & Welfare	00	0.512	Disease Management	74
	68		Health & Welfare System	76

Life & Death

ICT Scale

ICT Promotion

	Mauritania		Non-OECD Avg.	
		Rank	Score	
Input		83	0.286	
Throughput		84	0.285	
Output		77	0.357	
Outcome		84	0.358	

			ICT Utilization	86
Infrastructura	71	0.284	Infrastructure Investment	8
IIIIIastructure	Infrastructure 71 0.284	0.204	Infrastructure Utility	79
	Safety 73 0.333	Crime & Warfare	25	
Safety		0.333	Natural Disaster Management	67
			Safety and Health	76

0.134

86

Angola 85/89

	Rank/89	Score(0-1)	Capital City Luanda
2016-17 Government Competitiveness	85	0.312	Population 28,813,463 (2016 est.)
2015-16 GC	84	0.321	GDP (PPP) 187,260,629,535 USD (2016 est.)
2014-15 GC	85	0.351	Unemployment rate 18.90% (1986 est.)
2013-14 GC	-	-	Constitutional Form Republic

GC Ranking by Area Rank Score Subgroup Rank Agriculture Resources 87 Agriculture & Food Food Quality & Safety 75 Agriculture & 69 0.342 Food Safety Economy Institution & Finance 58 Productivity 3 44 **Economic Equity** Infrastructure Education **Economic Fundamental** 86 0.378 85 Economy **Economic Institution & Policy** 85 ICT Environment **Education Diversity** 89 **Education Infrastructure** Health & 54 Governance Education 76 0.301 79 **Education Performance** Government Involvement 88 Angola Air & Water Quality 80 Non-OECD Avg. **Environment Behavior** 51 GC Ranking by Stage Environment 87 0.337 Natural Resources 62 Input 64 Renewable Energy 60 Democracy **Government Competency** 65 Governance 72 0.378 Rule of Law 75 Child Welfare 54 Outcome Throughput Disease Management 88 Health & 89 0.361 Welfare Health & Welfare System 79 Life & Death 89 **ICT** Promotion 83 Output ICT Scale 81 ICT 82 0.162 ICT Utilization Angola 82 Non-OECD Avg. Rank Score Infrastructure Investment 41 Infrastructure 81 0.234 Input Infrastructure Utility 83 74 0.324 Throughput Crime & Warfare 63 89 0.226

Safety

0.315

Natural Disaster Management

Safety and Health

Output

Outcome

83

83

0.337

0.360

68

77

Madagascar

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	86	0.310
2015-16 GC	85	0.310
2014-15 GC	89	0.301
2013-14 GC	-	-

Capital City Antananarivo

Population 24,894,551 (2016 est.)

GDP (PPP) 37,491,426,440 USD (2016 est.)

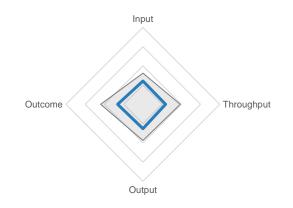
Unemployment rate 1.80% (2015 est.)

Constitutional Form Republic

GC Ranking by Area



Madagascar	Non-OECD Avg.



	Madagascar	Non-OECD Avg.
	Rank	Score
Input	78	0.303
Throughput	83	0.295
Output	88	0.315
Outcome	88	0.328

	Rank	Score	Subgroup	Rank
		0.000	Agriculture Resources	74
Agriculture & Food	07		Food Quality & Safety	86
	87	0.238	Institution & Finance	68
			Productivity	44
			Economic Equity	85
Economy	75	0.416	Economic Fundamental	55
			Economic Institution & Policy	72
			Education Diversity	53
Education	90	0.200	Education Infrastructure	86
Education	80	0.280	Education Performance	75
			Government Involvement	86
		0.348	Air & Water Quality	89
Environment	85		Environment Behavior	45
Environment			Natural Resources	66
			Renewable Energy	61
			Democracy	54
Governance	52	0.443	Government Competency	58
			Rule of Law	60
			Child Welfare	84
Health &	0.5	0.420	Disease Management	80
Welfare	85	0.438	Health & Welfare System	85
			Life & Death	9
			ICT Promotion	76
ICT	83	0.161	ICT Scale	88
			ICT Utilization	76
la fan a tarretran	00	0.404	Infrastructure Investment	61
Infrastructure	89	0.124	Infrastructure Utility	89
			Crime & Warfare	59
Safety	72	0.345	Natural Disaster Management	77
			Safety and Health	81
-				

Guinea 87/89

	Rank/89	Score(0-1)	(Capital City	Conakry
2016-17 Government Competitiveness	87	0.300	F	Population	12,395,924 (2016 est.)
2015-16 GC	87	0.281	(GDP (PPP)	16,247,178,969 USD (2016 est.)
2014-15 GC	86	0.340	ι	Jnemployment rate	N/A
2013-14 GC	_	-	(Constitutional Form	Republic

GC Ranking by Area Rank Score Subgroup Rank Agriculture Resources 48 Agriculture & Food Food Quality & Safety 79 Agriculture & 79 0.292 Food Safety Economy Institution & Finance 71 Productivity 36 **Economic Equity** 80 Infrastructure Education **Economic Fundamental** 72 Economy 77 0.409 **Economic Institution & Policy** 71 ICT Environment **Education Diversity** 85 **Education Infrastructure** Health & 62 Governance Education 89 0.180 Welfare **Education Performance** 86 Government Involvement 82 Guinea Air & Water Quality 83 Non-OECD Avg. **Environment Behavior** 14 GC Ranking by Stage Environment 38 0.533 Natural Resources 24 Input 50 Renewable Energy 68 Democracy **Government Competency** 78 Governance 86 0.288 Rule of Law 88 Child Welfare 61 Outcome Throughput Disease Management 84 Health & 81 0.452 Welfare Health & Welfare System 83 Life & Death 37 **ICT** Promotion 81 Output 0.080 ICT Scale 84 ICT 89 ICT Utilization 89 Guinea Non-OECD Avg. Rank Score Infrastructure Investment 73 Infrastructure 85 0.219 Input Infrastructure Utility 75 84 0.276 Throughput Crime & Warfare 76 88 0.241 Output Safety 0.252 Natural Disaster Management 88 79 0.354 Outcome Safety and Health 87 87 0.332

Sudan 88/89

	Rank/89	Score(0-1)	Capital City Khartoum
2016-17 Government Competitiveness	88	0.293	Population 39,578,828 (2016 est.)
2015-16 GC	88	0.270	GDP (PPP) 187,219,415,769 USD (2016 est.)
2014-15 GC	87	0.310	Unemployment rate 13% (2009 est.)
2013-14 GC	_	-	Constitutional Form Republic

GC Ranking by Area Rank Score Subgroup Rank Agriculture Resources 86 Agriculture & Food Food Quality & Safety 63 Agriculture & 78 0.292 Food Safety Economy Institution & Finance 69 Productivity 40 **Economic Equity** 51 Infrastructure Education **Economic Fundamental** Economy 89 0.326 83 **Economic Institution & Policy** 88 ICT Environment **Education Diversity** 65 **Education Infrastructure** Health & Governance Education 88 0.182 Welfare **Education Performance** 87 Government Involvement 83 Sudan Non-OECD Avg. Air & Water Quality 71 **Environment Behavior** 31 GC Ranking by Stage Environment 88 0.334 Natural Resources 82 Input 38 Renewable Energy 74 Democracy **Government Competency** 89 Governance 89 0.216 Rule of Law 87 Child Welfare 82 Throughput Outcome Disease Management 43 Health & 61 0.535 Welfare Health & Welfare System 72 Life & Death 20 **ICT** Promotion Output ICT Scale 64 ICT 81 0.176 ICT Utilization 80 Sudan Non-OECD Avg. Rank Score Infrastructure Investment 81 Infrastructure 78 0.245 Input Infrastructure Utility 74 89 0.225 Throughput Crime & Warfare 88 87 0.241 Output Safety 0.331 Natural Disaster Management 79 87 0.320 Outcome Safety and Health 67

80

0.398

Congo, Dem. Rep.

<mark>89</mark>/89

	Rank/89	Score(0-1)
2016-17 Government Competitiveness	89	0.285
2015-16 GC	89	0.259
2014-15 GC	88	0.302
2013-14 GC	60	0.250

 Capital City
 Kinshasa

 Population
 78,736,153 (2016 est.)

 GDP (PPP)
 63,048,097,765 USD (2016 est.)

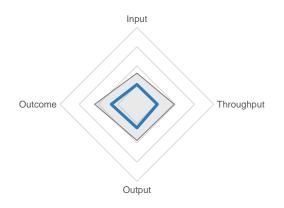
Unemployment rate 3.68% (2005 est.)

Constitutional Form Republic

GC Ranking by Area



☐ Congo, Dem. Rep. ☐ Non-OECD Avg.



	Congo, Dem. Rep.	Non-OECD Avg.
	Rank	Score
Input	87	0.258
Throughput	86	0.266
Output	89	0.305
Outcome	86	0.333

	Rank	Score	Subgroup	Rank
		0.153	Agriculture Resources	88
Agriculture & Food	89		Food Quality & Safety	85
	09	0.133	Institution & Finance	72
			Productivity	78
			Economic Equity	72
Economy	85	0.390	Economic Fundamental	46
			Economic Institution & Policy	87
			Education Diversity	84
Education	00	0.066	Education Infrastructure	4
Education	82	0.266	Education Performance	78
			Government Involvement	84
			Air & Water Quality	76
Environment	25	0.537	Environment Behavior	3
Environment	35		Natural Resources	13
			Renewable Energy	51
		0.223	Democracy	81
Governance	88		Government Competency	86
			Rule of Law	89
			Child Welfare	79
Health &	76	0.483	Disease Management	64
Welfare	70	0.463	Health & Welfare System	82
			Life & Death	55
			ICT Promotion	-
ICT	88	0.080	ICT Scale	87
			ICT Utilization	87
la face day of the	0.7	0.000	Infrastructure Investment	52
Infrastructure	87	0.202	Infrastructure Utility	87
		0.234	Crime & Warfare	89
Safety	89		Natural Disaster Management	63
			Safety and Health	86
-				

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