

Economic and Social Commission for Western Asia

# Index Simulator for Policymakers in the Arab Region (ISPAR)

## *Introduction to the Platform*

*Expert Group Meeting*

Beirut, 10 Dec 2020



UNITED NATIONS

الاسواق  
ESCWA

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# Outlines

- ✓ Selected ISPAR **Indicators**
- ✓ ISPAR Platform **Design**
- ✓ **Final** word





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# Technology and Innovation

# Global Cyber Security Index (GCI)

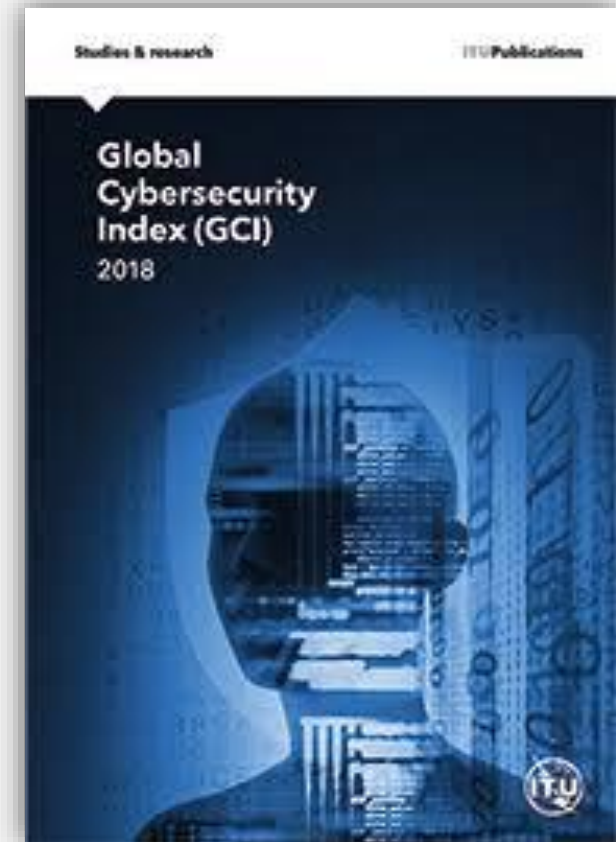
- Issued: International Telecom Union (ITU)

- Cybersecurity: imperative with the use of digital platforms

- **Objective:** measures the commitment of countries to cybersecurity

- **Pillars**

- Legal Measures
- Technical Measures
- Organizational Measures
- Capacity Building
- Cooperation



# ICT Development Index (IDI)

- Issued: [ITU](#)
- **Aim:** Monitor and compare [developments](#) in ICT in the World
- **Pillars:** [access](#), [use](#), and [impact](#)
- **Structure:** 11 indicators



# Network Readiness Index (NRI)

- Developed: [Portulans Institute](#)
- **Aim:** to measure the availability of appropriate [infrastructure](#), skilled [human resources](#), adequate [governance](#) and [impact](#) on national development
- **Structure:** 4 pillars (Technology, People, Governance and Impact), 60 variables.



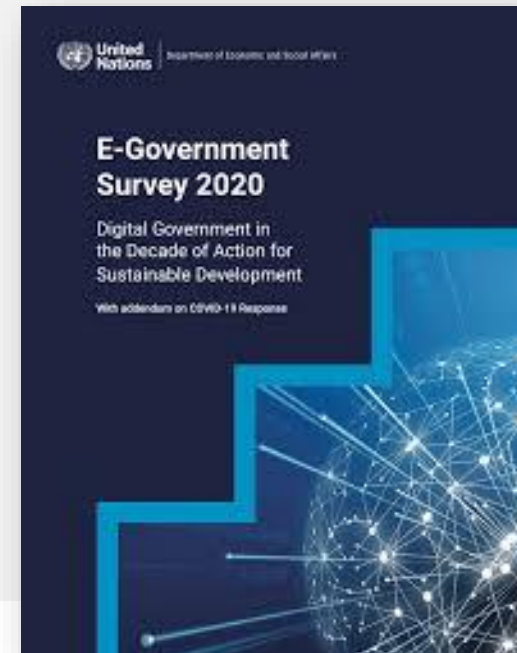
# e-Government Development Index (e-GDI)

- Issued: UN Department of Economic and Social Affairs ([UN-DESA](#))
- **Aim:** measures the [digital government](#) development (strengths, challenges, opportunities, policies and strategies)
- **Structure:** 3 pillars ([Online Service Index](#), [Telecom Infrastructure Index](#), [Human Capital Index](#))



# e-Participation Index (ePI)

- Issued: [UN-DESA](#)
- **Aim:** use of online services to facilitate [provision of information](#) by governments to citizens (“e-information sharing”), [interaction with stakeholders](#) (“e-consultation”), and engagement in [decision-making processes](#) (“e-decision making”)
- **Impact:** to improve citizen’s engagement and participation





# Digital Accessibility Rights Evaluation Index (DARE)

- Developed: Global Initiative for Inclusive ICT ([G3ict](#)) - UNDESA
- **Aim:** measures country progress in making [ICT accessible](#) for all, in compliance with Article 9 of the Convention on the Rights of [Persons with Disabilities](#) (CRPD)
- **Impact:** Allowing [persons with disability](#) to access digital devices to enhance socio-economic impact
- **Structure:** [3](#) pillars, [20](#) variables (legal, governance & standards, applications)



# Global Innovation Index (GII)

- Issued: World Intellectual Property Organization ([WIPO](#))
- **Aim:** measures the [innovation ecosystem](#) by covering 3 dimensions: innovation [input](#), innovation [output](#) and innovation [efficiency](#)
- **Structure:** [80](#) variables





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# Inequality

# Global Gender Gap Index (GGGI)

- Issued: World Economic Forum (WEF)
- **Aim:** a means to benchmark progress on **gender equality**. It focuses on measuring **gaps** (not levels) **in outcomes** variables (not inputs)
- **Impact:** create global **awareness** of the **challenges** and **opportunities** of gender
- **Structure:** 4 sub indexes (**Economic** participation and opportunity, **Educational** attainment, **Health** and survival, **Political** empowerment)





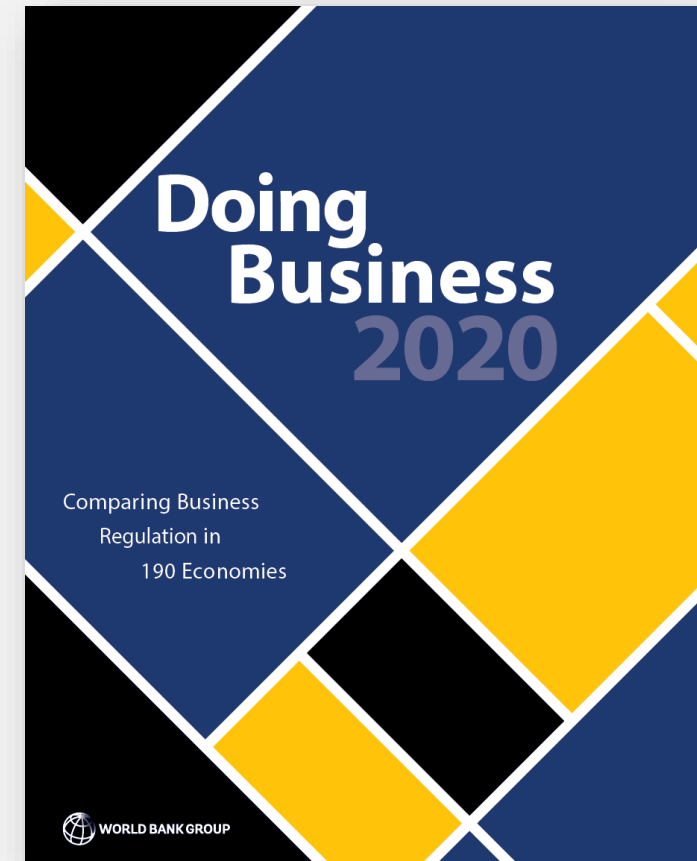
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# Economic Diversification and Competitiveness

# Doing Business

- Issued: [World Bank](#)
- **Aim:** measures the regulations that [enhance business activity](#) and those that constrain it
- **Structure:** [12](#) areas of business regulations ([starting](#) a business, dealing with [construction](#) permits, getting [electricity](#), registering [property](#), getting [credit](#), protecting minority [investors](#), paying [taxes](#), [trading](#) across borders, enforcing [contracts](#), and resolving [insolvency](#))



# Global Competitiveness Index (GCI)

- Issued: World Economic Forum (WEF)
- **Aim:** to provide insights about **economic growth**
- **Impact:** to explore relationship between **competitiveness**, shared **prosperity** and **environmental** sustainability
- **Structure:** 4 dimensions (**enabling** environment, **human** capital, **markets**, **innovation** ecosystem), 12 pillars





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# ISPAR platform



# How to Use?

- Select a [country](#):

  - Either [View](#) its ranking in all covered indicators

  - Or: [Simulate](#) what is needed to enhance performance


ESCWA

ISPAR Index Simulator for Policymakers in the Arab Region

About Indices Countries Simulator

## Facilitating policymaking in the Arab region

through dynamic simulators of international indices



### Using international indices

ESCWA supports member States in streamlining economic planning and coordination across ministries and partners, and acts as regional policy advisor on the use of international indices for developing effective and transformational policies.


[Explore the indices →](#)

### Improving policymaking effectiveness

Many Arab countries face difficulties in collecting and producing information about the state of the economy. More coherence is needed within and across priorities and a broader national commitment towards implementation of reforms.

The Index Simulator for Policymakers in the Arab Region (ISPAR) serves as an easy-to-use tool to test the potential impact of specific policies on national ranking against selected international indicators.

[Learn more about this project →](#)



# Country Selection

Select a country to get started



Algeria



Bahrain



Comoros



Djibouti



Iraq



Jordan



Kuwait



Lebanon



Libya



Mauritania



Morocco



Oman



State of Palestine



Qatar



Saudi Arabia



Somalia



Sudan



Syria



Tunisia



United Arab Emirates



Yemen

# Functionalities

## Algeria

[View the international index rankings](#)

[Compare with other countries](#)

[Read our country analysis](#)

### Advanced

[Explore the index simulator](#)

# View Scores

Technology readiness and innovation

Global Cybersecurity Index				+
Ranking	108	Score	0.262	Year: 2018
Network Readiness Index				+
Ranking	98	Score	35.3	Year: 2019
ICT Development Index				+
Ranking	102	Score	4.665469274	Year: 2017
Global Innovation Index				+
Ranking	113	Score	24.01079621	Year: 2019
E-Government Development Index				+
Ranking	120	Score	0.5173	Year: 2020



Algeria

Algeria is an upper middle-income country. It has a [GDP](#) per capita of around 3,948 USD (2019) and a [HDI](#) value of 0.754 (2020).

[Compare with other countries](#)

[Explore the index simulator](#)

Share [Twitter](#) [LinkedIn](#) [Facebook](#)

# Compare Countries

## Compare countries

Algeria  Austria



Algeria is an upper middle-income country. It has a GDP per capita of around 3,948 USD (2019) and a HDI value of 0.754 (2020).

Lebanon is an upper middle-income country. It has a GDP per capita of around 2,784 USD (2019) and a HDI value of 0.757 (2020).

### Technology readiness and Innovation

#### Global Cybersecurity Index

Ranking  
**108**  
Score  
**0.262**  
Year: 2018

Ranking  
**124**  
Score  
**0.186**  
Year: 2018

Ranking  
**28**  
Score  
**0.826**  
Year: 2018

#### ICT Development Index

Ranking  
**102**  
Score  
**4.665469274**  
Year: 2017

Ranking  
**64**  
Score  
**6.296126248**  
Year: 2017

Ranking  
**21**  
Score  
**8.021406317**  
Year: 2017

#### Network Readiness Index

Ranking  
**98**  
Score  
**35.3**  
Year: 2019

Ranking  
**86**  
Score  
**41.44**  
Year: 2019

Ranking  
**15**  
Score  
**74.36**  
Year: 2019

#### Global Innovation Index

Ranking  
**112**

Ranking  
**88**

Ranking  
**21**

# Simulation

## Results for Algeria

Get Shareable Link

Export to Excel

Export to PDF

	2017	2018	Simulator projection
Rank	37	108	108
Score	0.29	0.26	0.26

### Comparison benchmarks

Select comparison benchmarks

KPI ⓘ

2018

Aspirational value ⓘ Algeria

## Legal Aspects

Cybercriminal Legislation

5.763905325 5.76

Cybersecurity Regulation

6.143293886 6.14

Containement or curbing of spam

4.256410256 4.26

## Technical Measures

CIRT, CSIRT or CERT

0 0

## Index Global Highlightss

### Select international groups

### Global Details

Global Average		0.44
Developed Economies Average		0.79
Developing Economies Average		0.48
Highest Ranked Country	Country	United Kingdom
	Score	0.93
	Global Rank	1
Lowest Ranked Country	Country	Maldives
	Score	0
	Global Rank	175
Highest Ranked Developed Country	Country	United Kingdom
	Score	0.93
	Global Rank	1
Lowest Ranked Developed Country	Country	Iceland
	Score	0.45
	Global Rank	87
Highest Ranked Developing Country	Country	Singapore
	Score	0.9
	Global Rank	6

# Final Word

## Possible use cases:

- Identify the **areas** that need to be strengthened on national level
- Identify the **target** value to attain in specific variables/indicators
- Simulate the impact of a **specific policy** on one indicator (using one or multiple variables)
- Simulate the impact of **integrated plan** on several indicators
- ,... more to come !





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# Thank You

