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
الاسكوا
ESCWA

Shared Prosperity Dignified Life

Outlines

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

© Copyright ESCWA. All rights reserved. No part of this presentation in all its property may be used or reproduced in any form without written permission

UNITED NATIONS
الاسكوا
ESCWA

Shared Prosperity Dignified Life

Technology and Innovation

© Copyright ESCWA. All rights reserved. No part of this presentation in all its property may be used or reproduced in any form without written permission

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

© Copyright ESCWA. All rights reserved. No part of this presentation in all its property may be used or reproduced in any form without written permission

ICT Development Index (IDI)

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

© Copyright ESCWA. All rights reserved. No part of this presentation in all its property may be used or reproduced in any form without written permission

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.

© Copyright ESCWA. All rights reserved. No part of this presentation in all its property may be used or reproduced in any form without written permission

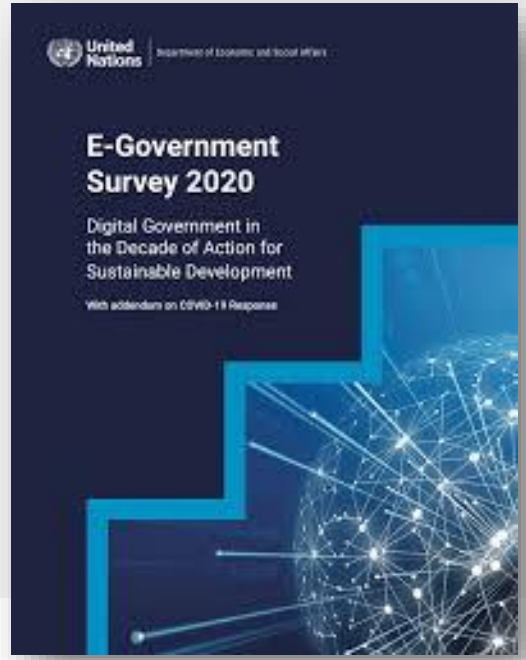
e-Government Development Index (e-GDI)

- 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)

© Copyright ESCWA. All rights reserved. No part of this presentation in all its property may be used or reproduced in any form without written permission

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



© Copyright ESCWA. All rights reserved. No part of this presentation in all its property may be used or reproduced in any form without written permission

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)

© Copyright ESCWA. All rights reserved. No part of this presentation in all its property may be used or reproduced in any form without written pe

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

© Copyright ESCWA. All rights reserved. No part of this presentation in all its property may be used or reproduced in any form without written permission

UNITED NATIONS
الاسكوا
ESCWA

Shared Prosperity Dignified Life

Inequality

© Copyright ESCWA. All rights reserved. No part of this presentation in all its property may be used or reproduced in any form without written permission

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)

© Copyright ESCWA. All rights reserved. No part of this presentation in all its property may be used or reproduced in any form without written permission

UNITED NATIONS
الاسكوا
ESCWA

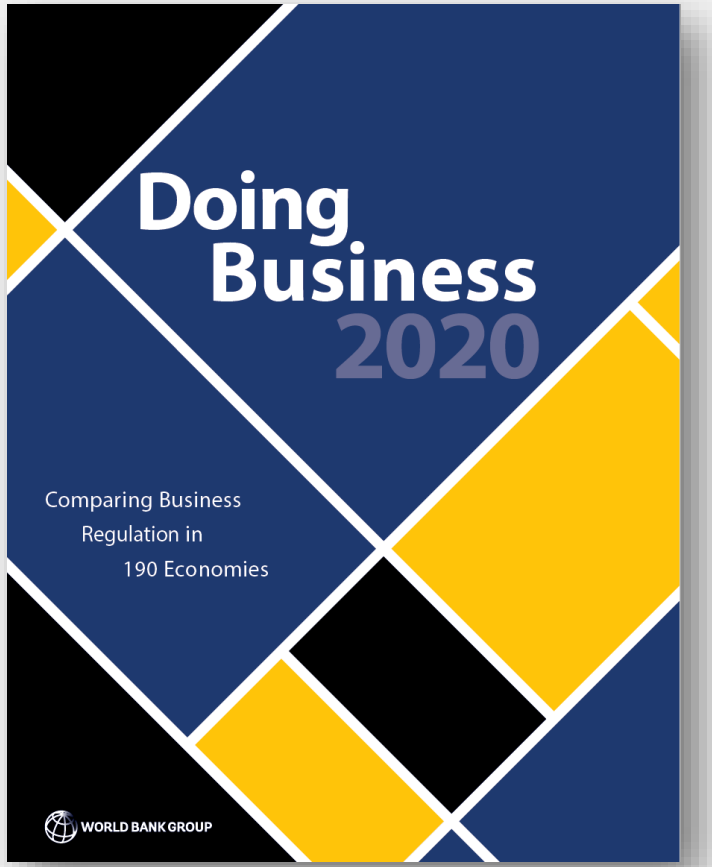
Shared Prosperity Dignified Life

Economic Diversification and Competitiveness

© Copyright ESCWA. All rights reserved. No part of this presentation in all its property may be used or reproduced in any form without written permission

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)



© Copyright ESCWA. All rights reserved. No part of this presentation in all its property may be used or reproduced in any form without written permission

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

© Copyright ESCWA. All rights reserved. No part of this presentation in all its property may be used or reproduced in any form without written permission

UNITED NATIONS
الاسكوا
ESCWA

Shared Prosperity Dignified Life

ISPAR platform

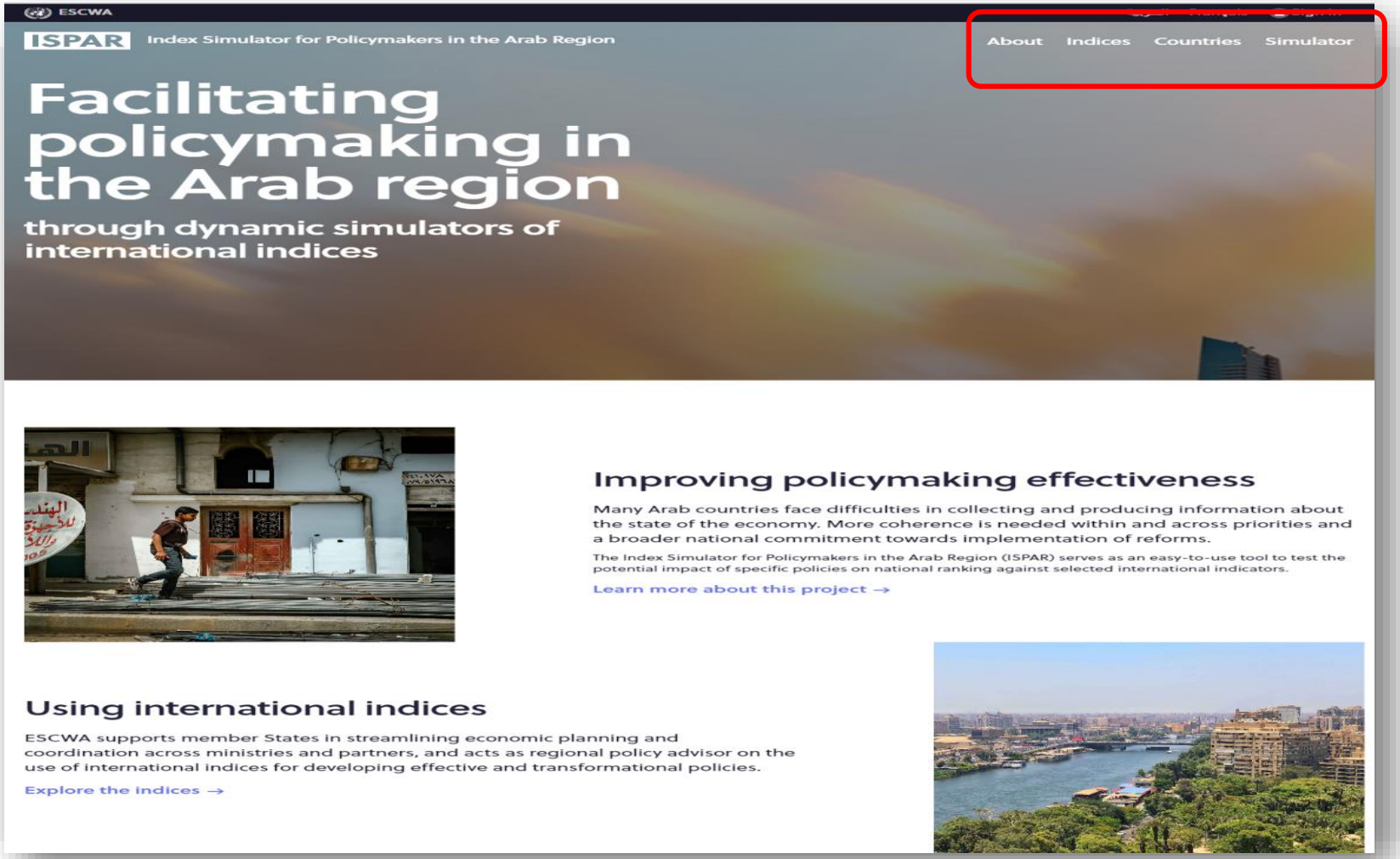
© Copyright ESCWA. All rights reserved. No part of this presentation in all its property may be used or reproduced in any form without written permission

How to Use?

- Select a country:

  Either View its ranking in all covered indicators

  Or: Simulate what is needed to enhance performance



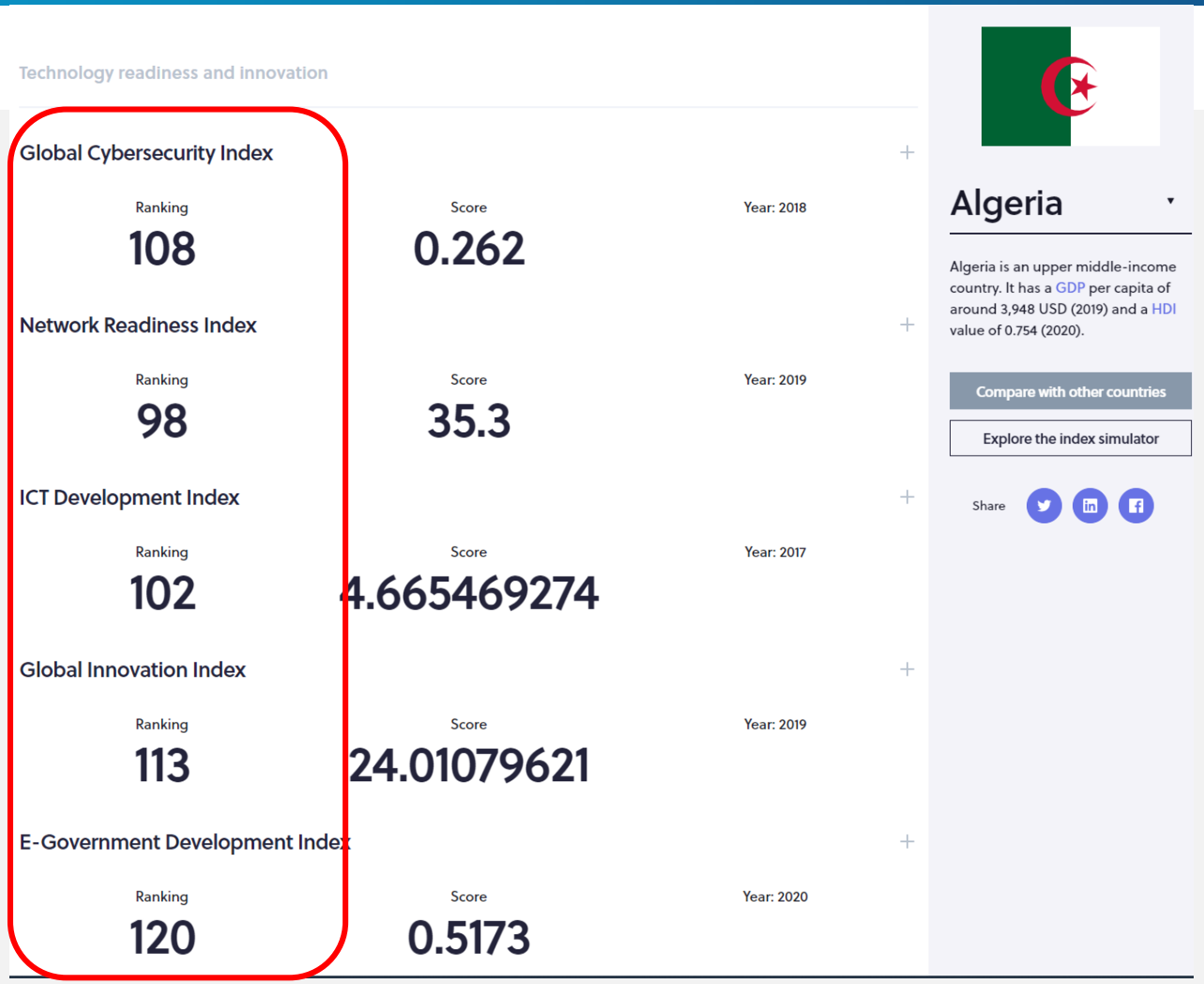
© Copyright ESCWA. All rights reserved. No part of this presentation in all its property may be used or reproduced in any form without written permission

Country Selection

Functionalities

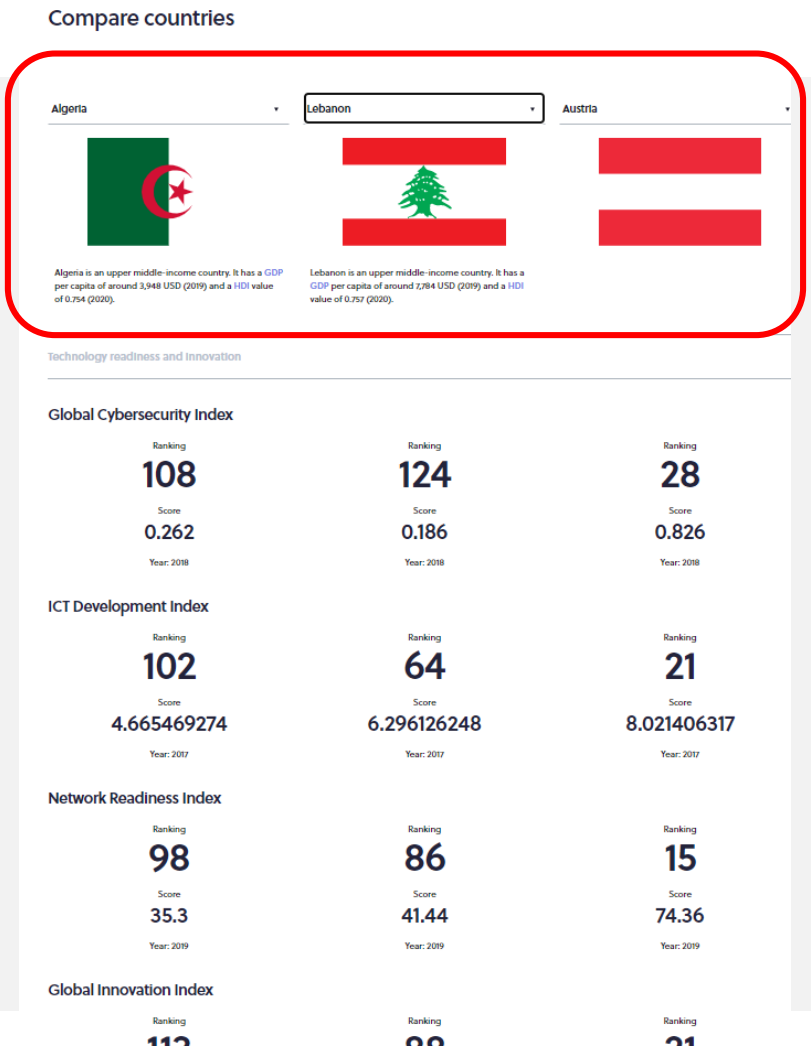
© Copyright ESCWA. All rights reserved. No part of this presentation in all its property may be used or reproduced in any form without written permission

View Scores



© Copyright ESCWA. All rights reserved. No part of this presentation in all its property may be used or reproduced in any form without written permission

Compare Countries



© Copyright ESCWA. All rights reserved. No part of this presentation in all its property may be used or reproduced in any form without written permission

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

© Copyright ESCWA. All rights reserved. No part of this presentation in all its property may be used or reproduced in any form without written permission.

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 !

© Copyright ESCWA. All rights reserved. No part of this presentation in all its property may be used or reproduced in any form without written permission

UNITED NATIONS
الاسكوا
ESCWA

Shared Prosperity Dignified Life

Dr. Nawar Al-Awa
Regional Adviser
Technology for Development

alawa@un.org

Thank You