



COMMITTED TO
IMPROVING THE STATE
OF THE WORLD

The Networked Readiness Index

UAE TRA/ITU Regional Forum on ICT Measurement

Dubai 13.12.-15.12.16

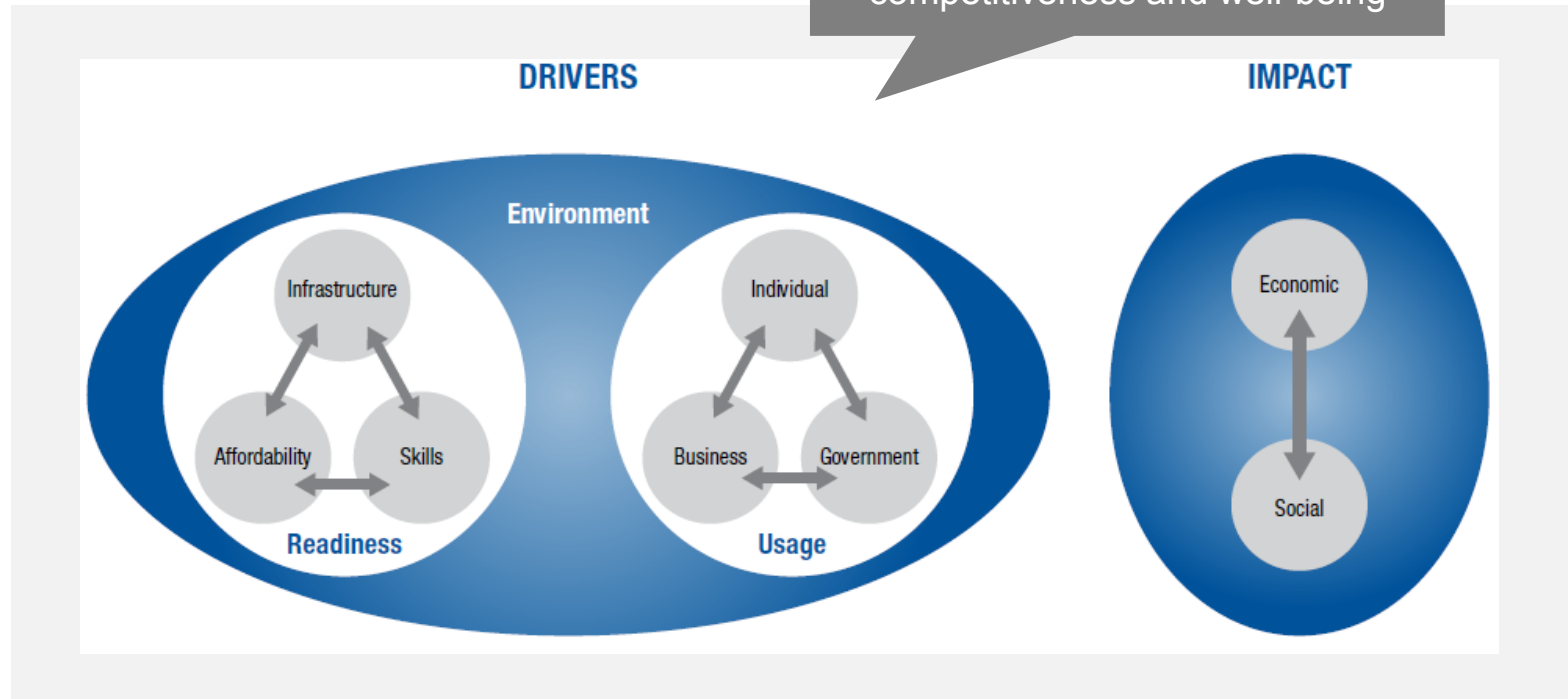
The Networked Readiness Index



- Published by the World Economic Forum since 2001 together with INSEAD & Cornell
- Benchmarking exercise of technology readiness for 140+ countries to guide governments' ability to leverage ICT to drive economic progress
- NRI as a tool for helping countries to
 - (i) identify gaps
 - (ii) structure policy dialogue
 - (iii) catalyse action
 - (iv) increase transparency and accountability by allowing to track progress over time
- Evolution of the NRI since 2001: from inputs to outputs

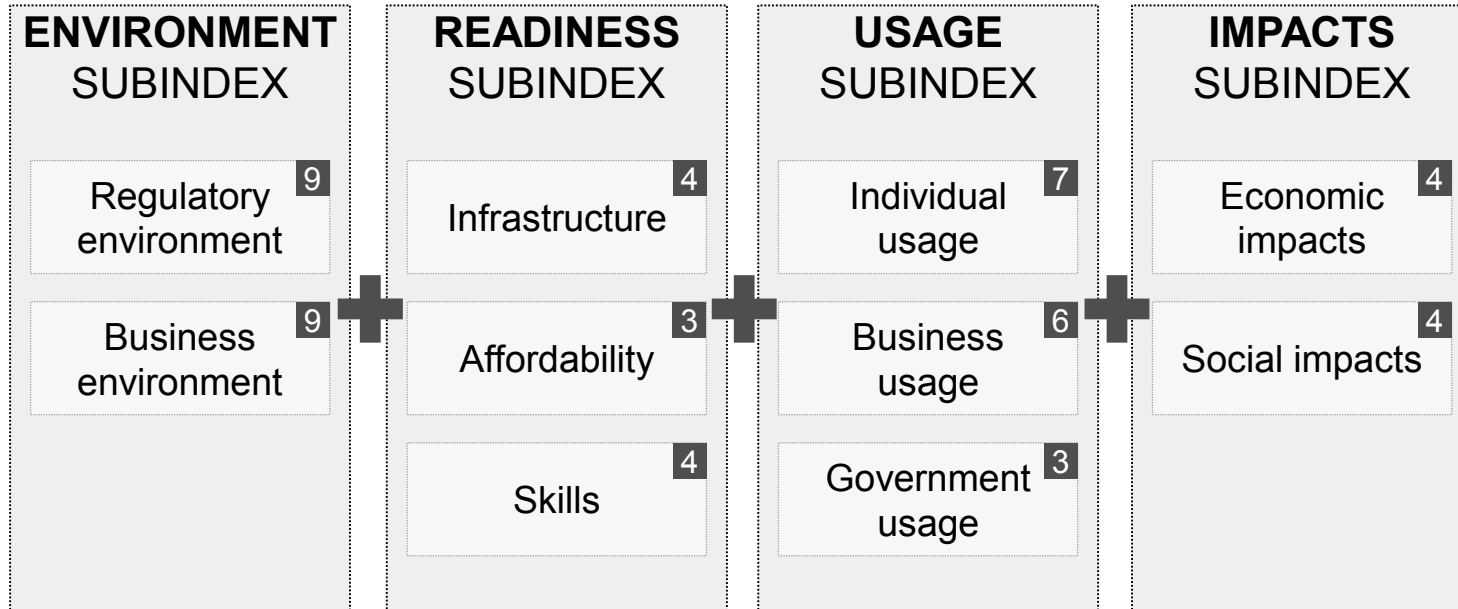
The Networked Readiness Framework

The set of factors that determine a country's capacity to use information and communication technologies (ICTs) for increased competitiveness and well-being



NETWORKED READINESS INDEX

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- In 2016 covered 139 economies accounting for 98.1% of world GDP
- 53 individual indicators
- **27 indicators sourced from various international organizations, including:**

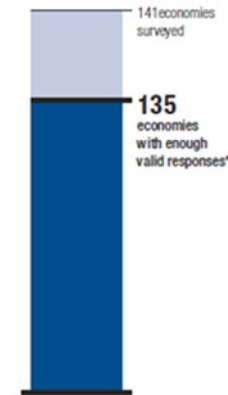


- **26 indicators derived from World Economic Forum's Executive Opinion Survey**

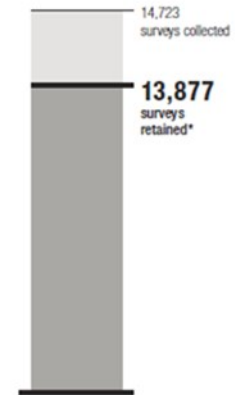
The World Economic Forum's Executive Opinion Survey

- Broad coverage makes it unique: 14,000 surveys of 52 questions collected in 140+ economies, representing 98% of global GDP
- Important role for Partner Institutes
 - Network of 160 organizations worldwide
 - Recognized research or academic institutes, business organizations, national competitiveness councils

NUMBER OF ECONOMIES



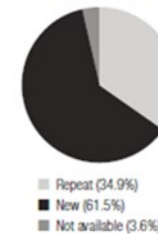
NUMBER OF SURVEYS



Administration method



Repeat and new respondents*



Source: World Economic Forum, Executive Opinion Survey, 2016 edition.

Note: Not all charts are drawn to scale.

* Following data treatment. See text for details.

Key issues to consider:

- Refinements of current indicators
- A broader set of indicators
 - How to capture distributional impact?
 - How to get a better understanding of the demand side?
 - How to anticipate the 4IR?
- Leveraging new data sources

Process for NRI review:

- Expert consultations open to feedback from governments of countries covered by the Report
- Timeline: Q1-Q4 2017

- **Tracking progress:** Standard measures for internet usage are currently provided by the ITU (% individuals using the internet, # households with internet access, fixed broadband internet subscriptions, mobile broadband subscriptions) and GSMA (mobile). What complementary data is out there that could help us track usage in more dimensions – both at the micro level (what services are used) and the macro level (traffic/network usage)?
- **Identifying remaining bottlenecks:** What are the main reasons for non-adoption when there is coverage? Affordability, lack of local content, lack of hardware, missing platforms? Progress here requires household surveys.
- **Tracking impact:** To what extent are digital technologies helping to advance the SDGs? What is their impact on GDP and beyond? What data do we have to show the impact?
- **Measuring effectiveness of individual programs and policies on digital inclusion:** What have we learned about the effectiveness of various policies and programs on increasing the number of internet users? What hard data is there?



How can private-public collaboration realize digital technology's potential to benefit humankind?

The aim of the Forum's system initiative on **Shaping the Future of Digital Economy and Society** is to cultivate a shared, trusted digital environment that is a driver of inclusion, economic development and social progress.

Shaping the Future of Digital Economy and Society System Initiative

Issues

We work across four thematic issues

Transformation

Explore the impact of digitalization on business and society
Quantify value at stake for both industry and society

Policy and Governance

Ensure new digital business models through agile governance frameworks

Access & Adoption

Bring Internet access and adoption to the next 3-4 billion and ensure the creation of local content and infrastructure

Trust & Resilience

Increase awareness, understanding and action on cyber risk by embedding cyber risk into a fully integrated strategic business risk assessment

Outcomes

We work with a systemic approach to effect change

