

# Mongolia - Telecom Connectivity

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Ulaanbaatar, Mongolia  
14 August 2024



# ITU Strategic Plan 2024-2027: Strategic framework visual



# 2.6

billion people offline  
in the world in 2023

# 5.4


billion people online  
in the world in 2023

Source : ITU, *Facts and Figures 2023*

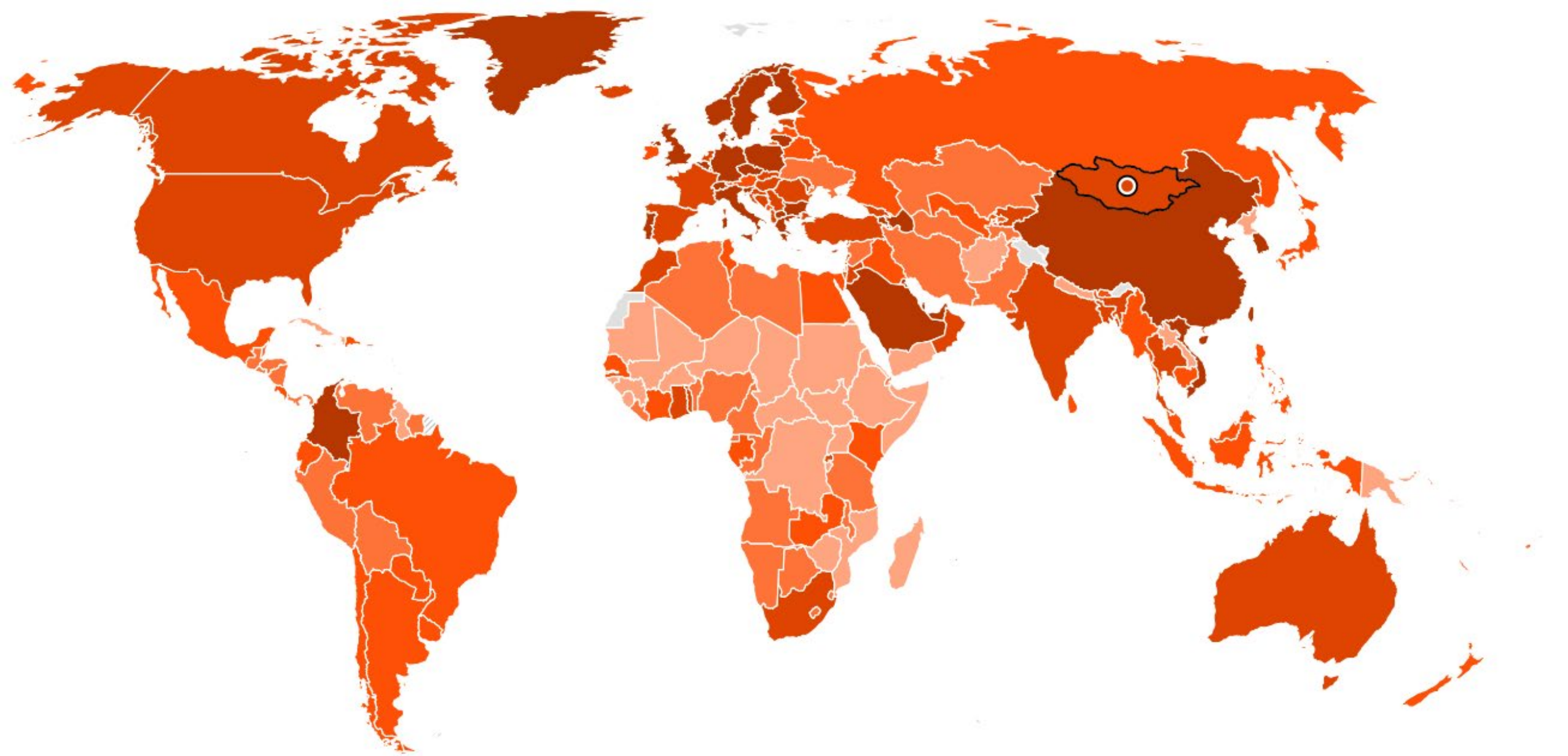
Note : being *online* means having used  
the Internet in the last three months



# ICT Development Index 2024

Economy	Region	Income Group	Income IDI score			IDI score & group average		Universal Score	Meaningful Score
			2023	2024	Change	Income	Region		
Mongolia	ASP	LMI	85.9	87.0	+1%		82.9	91.1	

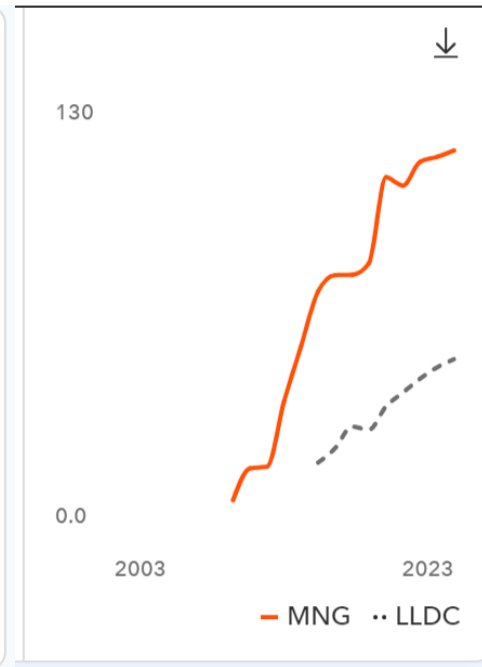
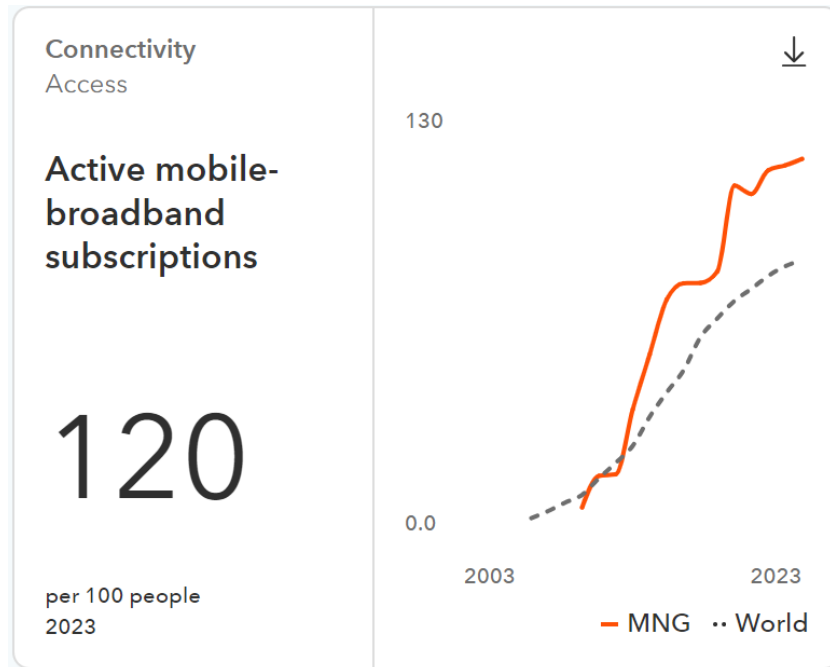
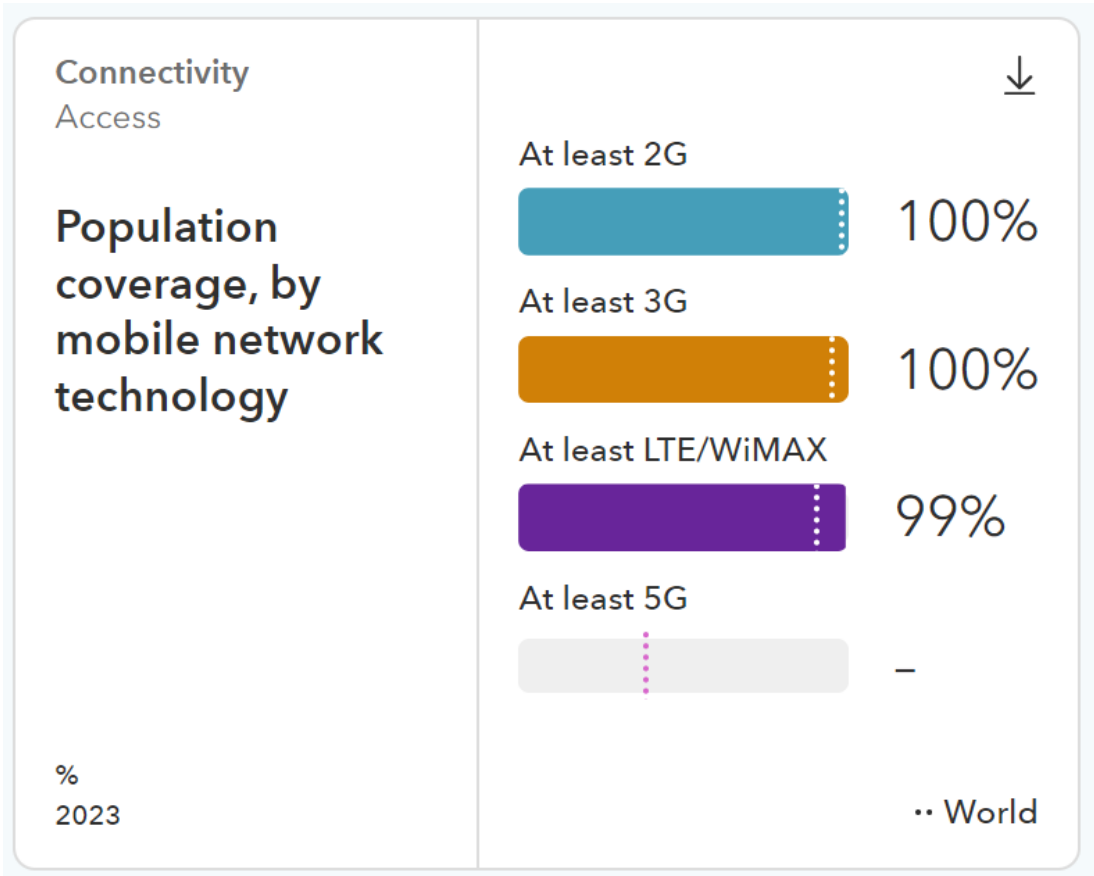
Country	Indicator values									
	Individuals using the Internet (%)	Households with Internet access at home (%)	Mobile broadband subscriptions per 100 inhabitants	Percentage of the population covered by at least a 3G mobile network	Percentage of the population covered by at least a 4G/LTE mobile network	Mobile broadband Internet traffic per mobile broadband subscription (GB)	Fixed broadband Internet traffic per fixed broadband subscription (GB)	Mobile data and voice high consumption basket price (as % of GNI per capita)	Fixed broadband Internet basket price (as % of GNI per capita)	Individuals who own a mobile phone (%)
Mongolia	81.6	80.0	117.6	100.0	99.0	120.2	1'678.3	1.9	1.7	91.3



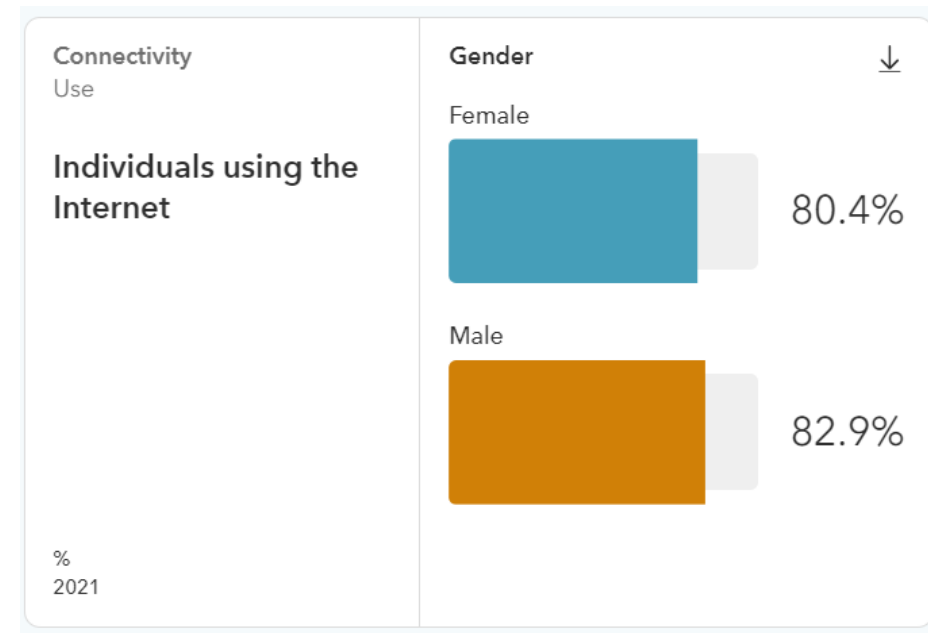
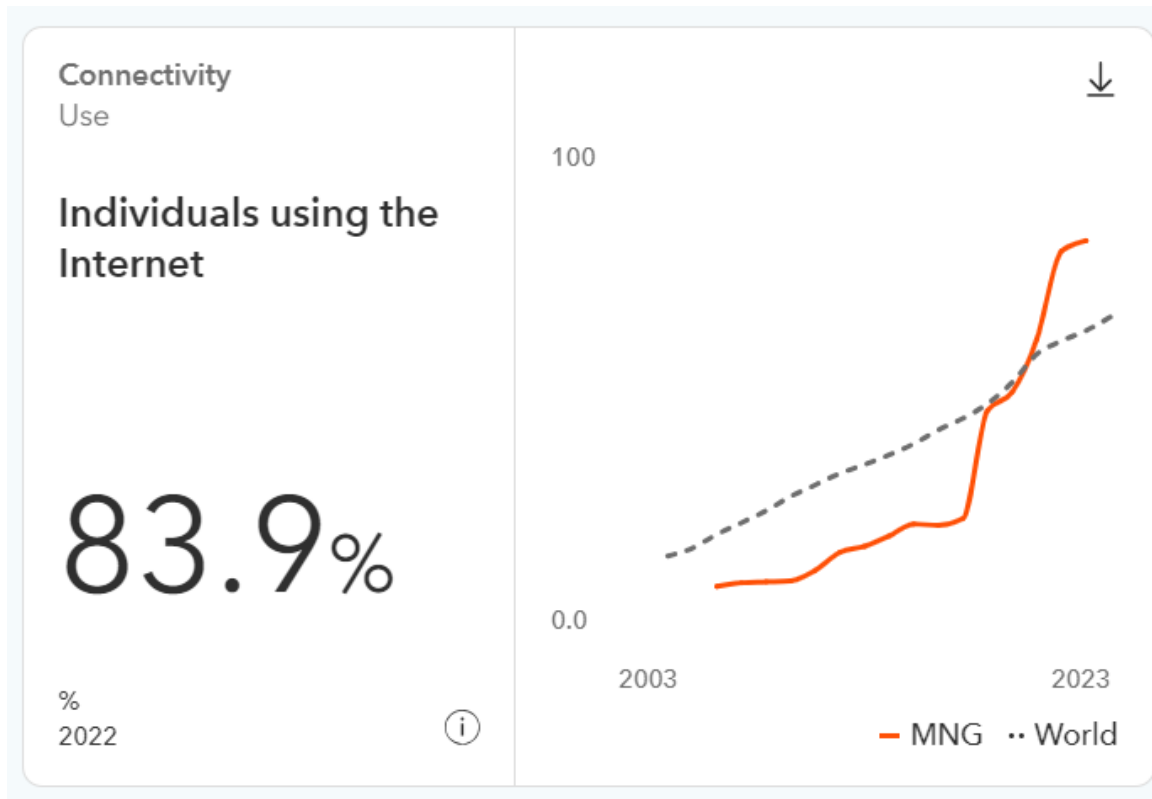
Population coverage, by 4G mobile network



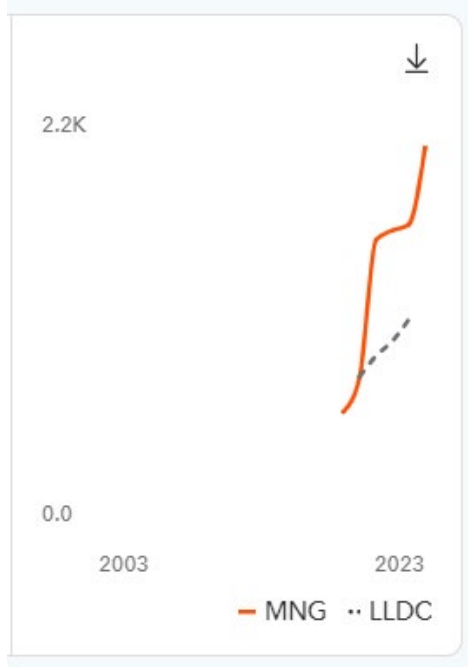
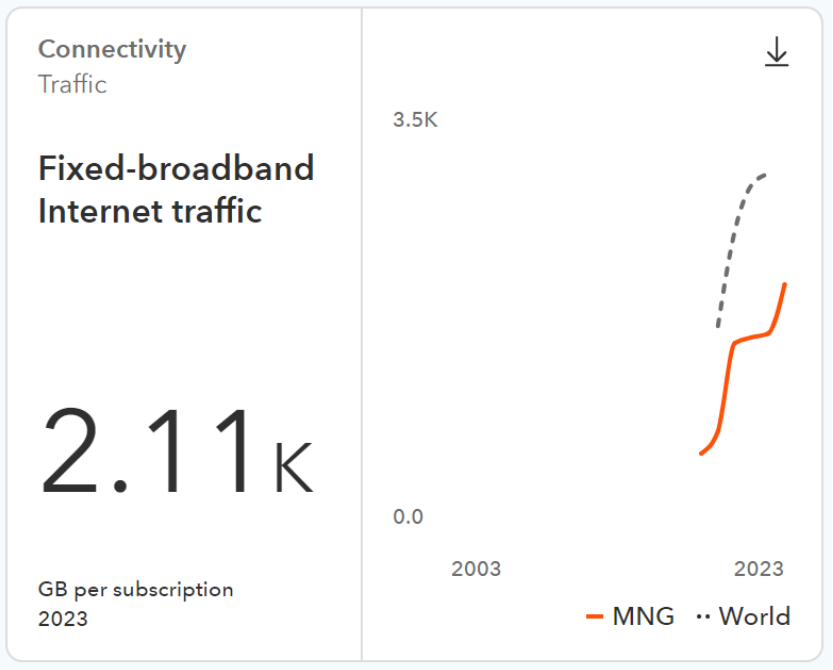
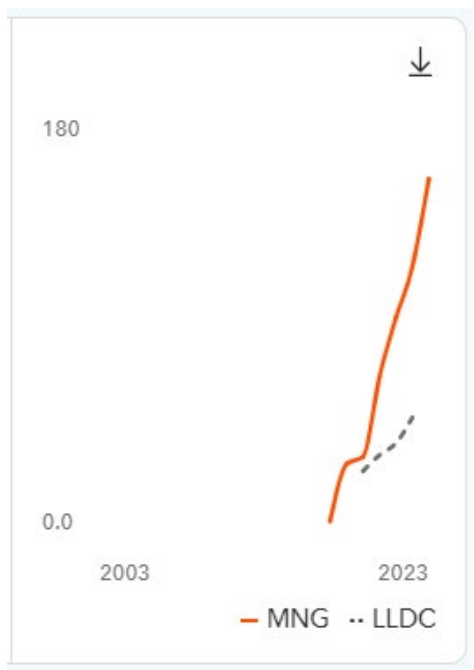
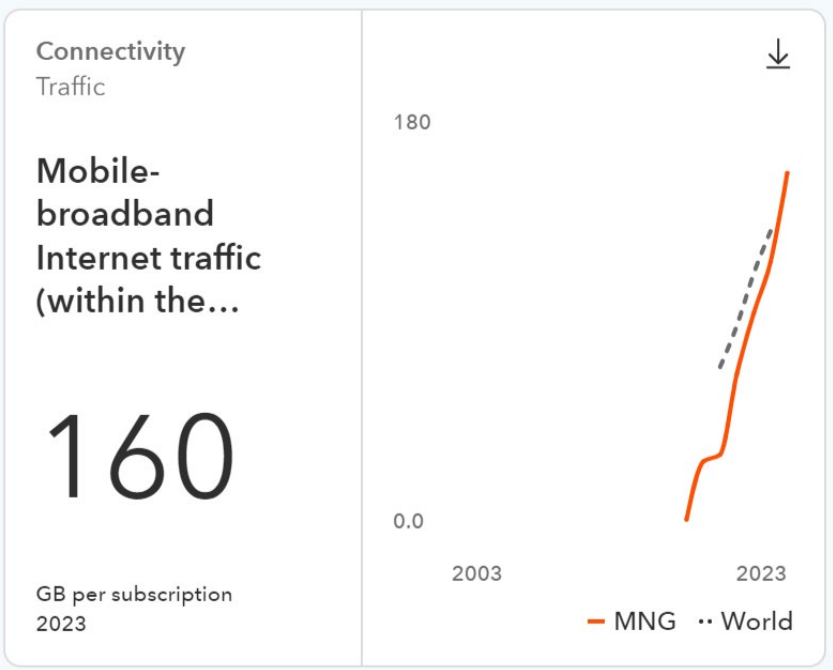
Source: ITU



Economy	Trend	Value	Year
Mongolia		99% ⓘ	2023
Land Locked Developing Countries (LLDC)		54%	2023



Economy	Trend	Value	Year
Mongolia		83.9% ⓘ	2022
Land Locked Developing Countries (LLDC)		39.2%	2023





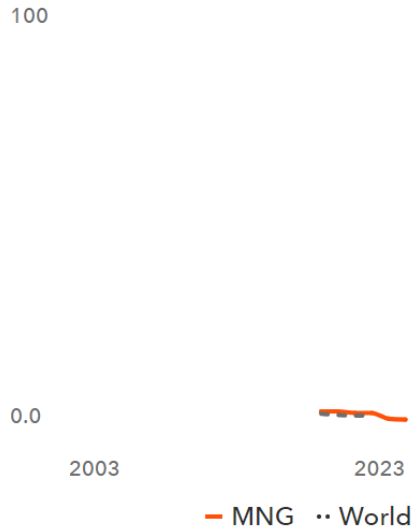
Affordability  
ICT prices



Mobile data and  
voice low-  
consumption  
basket

0.92%

% GNI per capita  
2023



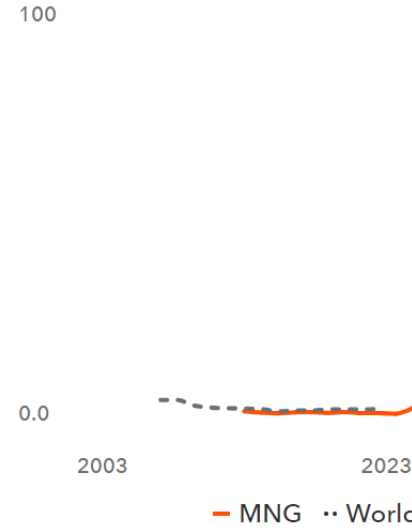
Affordability  
ICT prices



Fixed-broadband  
Internet basket

3.08%

% GNI per capita  
2023



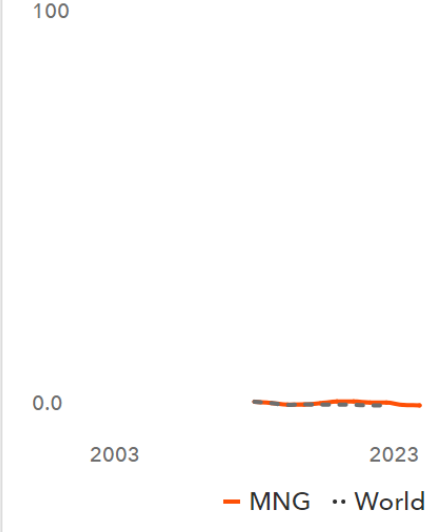
Affordability  
ICT prices



Data-only mobile  
broadband basket

1.23%

% GNI per capita  
2023



100

0.0

2003

2023

MNG LLDC

100

0.0

2003

2023

MNG LLDC

100

0.0

2003

2023

MNG LLDC

## The ITU Global Cybersecurity Index is a composite index that measures key aspects of state-level cybersecurity practices

### The GCI is designed to

- ✓ Drive awareness global cybersecurity
- ✓ Share best practices
- ✓ Drive continuous cybersecurity improvement
- ✓ Build capacity in ITU Members

### Key Statistics

First released: **2015**

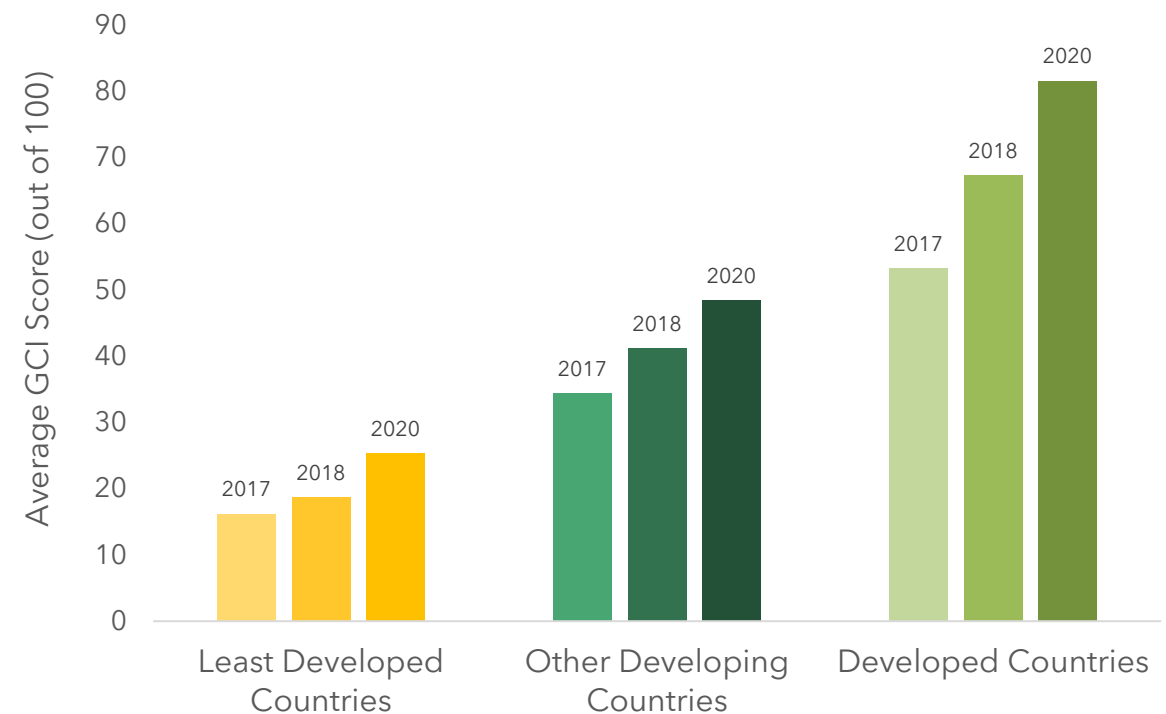
Member States Participating: **169 (of 194)**

Mentions in scholarly articles: **>1 300\***

Current questionnaire: **82 questions**

**GCI 2020 Report Available at [itu.int/gci](https://itu.int/gci)**

### ITU Global Cybersecurity Index (2017-2020)



# Global Cybersecurity Index 2020

Country Name	Overall Score	Regional Rank
Korea (Rep. of)	98.52	1
Singapore	98.52	1
Malaysia	98.06	2
Japan	97.82	3
India	97.49	4
Australia	97.47	5
Indonesia	94.88	6
Viet Nam	94.55	7
China	92.53	8
Thailand	86.5	9
New Zealand**	84.04	10
Bangladesh	81.27	11
Iran (Islamic Republic of)	81.06	12
Philippines	77	13
Pakistan	64.88	14
Sri Lanka	58.65	15
Brunei Darussalam	56.07	16
Nepal (Republic of)	44.99	17
Myanmar	36.41	18

Country Name	Overall Score	Regional Rank
Samoa	29.33	19
Fiji	29.08	20
Papua New Guinea**	26.33	21
Mongolia	26.2	22
Nauru**	21.42	23
Tonga**	20.95	24
Lao P.D.R.	20.34	25
Cambodia**	19.12	26
Bhutan	18.34	27
Kiribati	13.84	28
Vanuatu	12.88	29
Solomon Islands	7.08	30
Tuvalu**	5.78	31
Afghanistan	5.2	32
Marshall Islands**	4.9	33
Timor-Leste**	4.26	34
Maldives**	2.95	35
Dem. People's Rep. of Korea**	1.35	36
Micronesia*	0	37

\* no data  
 \*\* no response to the questionnaire/data collected by GCI Team



Cybersecurity commitments in Asia-Pacific vary significantly

# ITU's role in providing capacity building and technical assistance



Areas of intervention

Incident Response

Cybersecurity Strategy

Cybersecurity Inclusion

Data and Advocacy

Areas of developing impact

CIRTs

NCS Development

Child Online Protection

GCI

CyberDrills

Action Plan Development

Women in Cyber

Global Partnerships

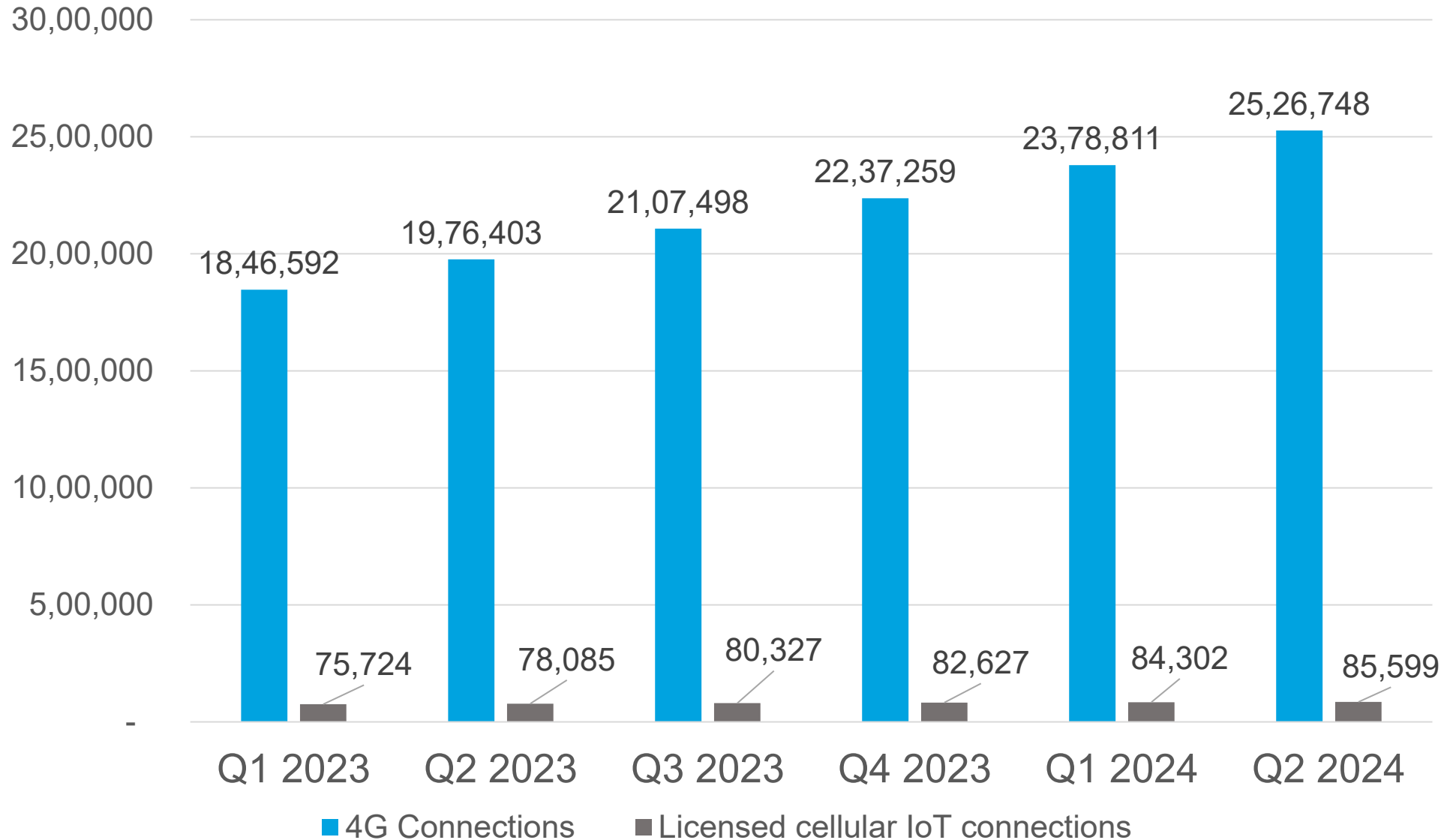
Guides and Frameworks

Benchmarking

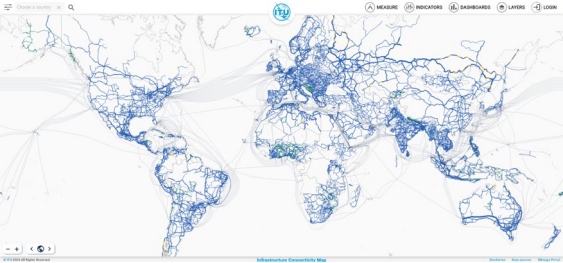
Youth for Cyber

Reports

# 4G and Licensed Cellular IoT Connections



# Examples of initiatives in focus in the region to implement WTDC resolutions and regional initiatives with partners



ITU infrastructure maps and analysis



Gov Stack



ITU Academy  
TRAINING CENTRES



Digital Transformation Centres



Early Warnings for All



Thematic reports ITUPublications

ITU Guidelines for national emergency telecommunication plans

ITU

ITU Guidelines for national emergency telecommunication plans

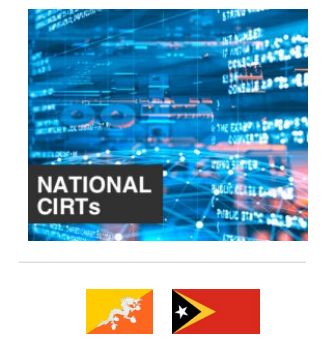


Girls in ICT  
#GirlsinICT

Over 5000 Participants (GICT ASP in Q3 2024)



Circular Economy and E-Waste Project



NATIONAL CIRTs



Smart Villages and Smart Islands



Connect2Recover

Regional project benefitting the Asia Pacific region

## Partner to Connect

Cambodia, **Mongolia** AI for Good Summit

Standards and Frameworks for Critical Technologies in Southeast Asia (ITU-DFAT) 2021-2024

AI Regional Workshop, *Indonesia*;  
NBTC-ITU Training on AI, *Thailand*

Cyber Analysis, *ASEAN CERT*  
Cyber Security Capacity Building, *Cambodia*  
Regional ITU Cyber Drill, *Brunei*

Child Online Protection (COP)  
*Cambodia, Indonesia, Thailand*

Generation Connect Youth Envoys *Cambodia, Indonesia, Philippines, Vietnam*

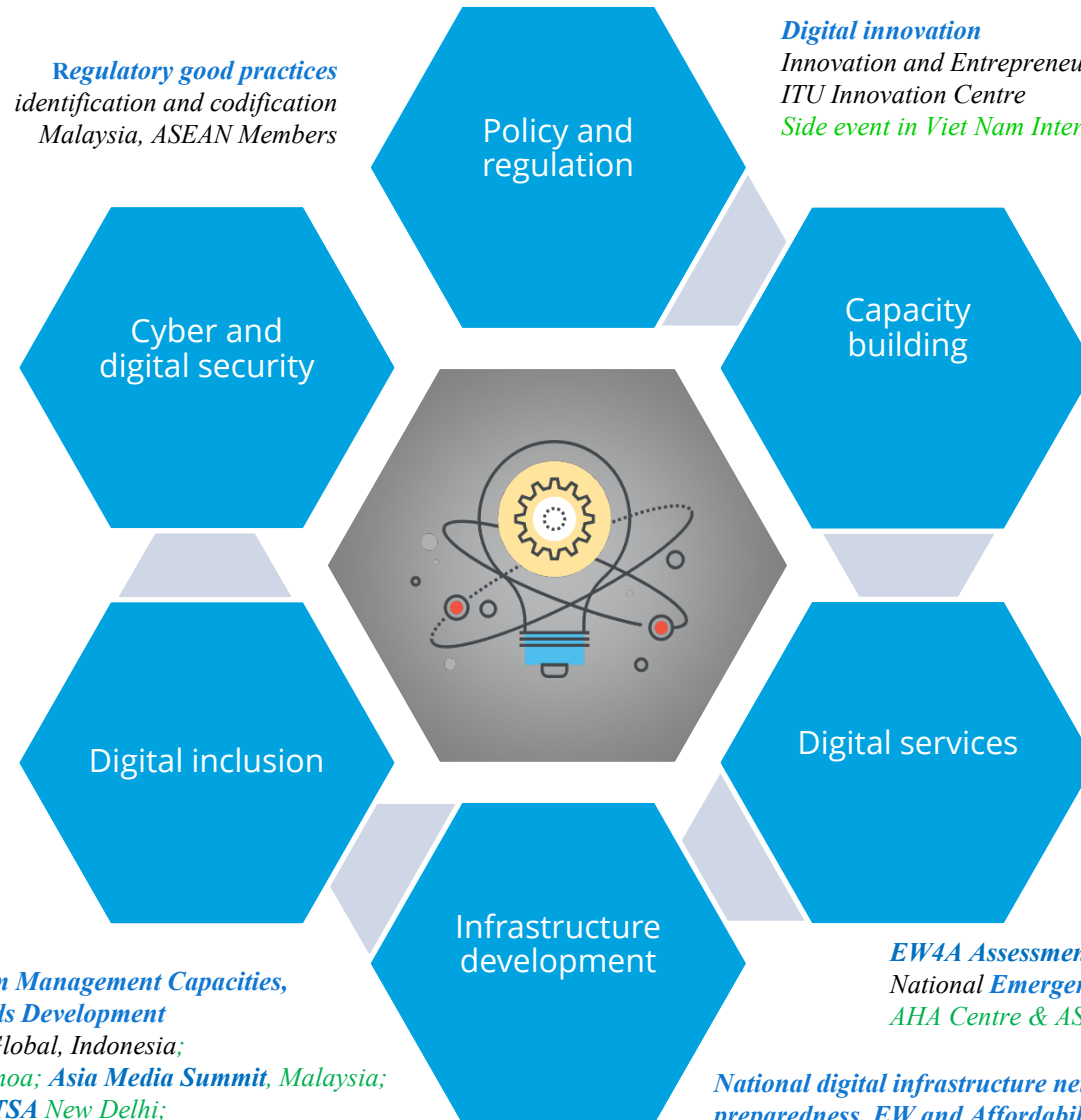
International Girls in ICT Day *Philippines*

GICT *Thailand, Asia Pacific (Forum Global)*  
Financial Inclusion and Digital Safety, *Thailand*

ESCAP ITU Regional Policy Review ICT accessibility  
*ASEAN*

Spectrum Management Capacities,  
Standards Development  
*Forum Global, Indonesia*;  
RRS *Samoa*; Asia Media Summit, *Malaysia*;  
GSS, WTSA *New Delhi*;  
**ITLLDC Seminar, Mongolia**

5G Rollout Experience Sharing  
Webinar Series  
**E-Waste stocktaking Mongolia, Thailand**



Regulatory good practices  
identification and codification  
*Malaysia, ASEAN Members*

Digital innovation  
Innovation and Entrepreneurship Alliance for Digital Development,  
ITU Innovation Centre  
*Side event in Viet Nam International Digital Week 2024 event*

ITU Academy  
Digital Transformation Centres  
*Indonesia, Philippines*  
Global DTC Workshop, *Indonesia*

Digital Transformation For Small States Training *Singapore*

Digital Skills Guideline for migrants  
*Thailand*

ITU WHO mAgeing (*Thailand*)

Digital government, Gov Stack  
*Cambodia, Lao PDR, ASEAN (Brunei), [Vietnam TBC]*

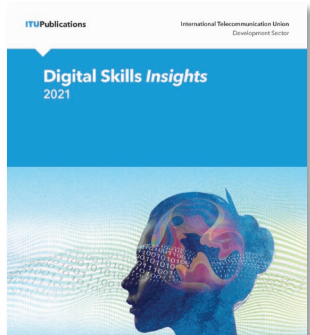
Smart Village and Smart Island *Philippines, Indonesia*

EW4A Assessments and Gap Analysis  
National Emergency Telecommunication Plans (NETP)  
*AHA Centre & ASEAN Member States*

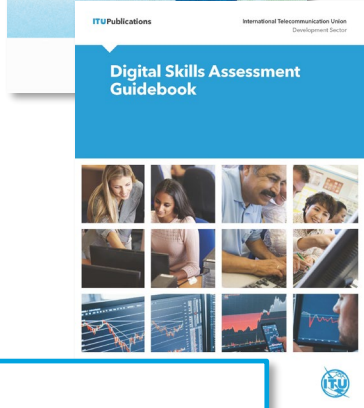
National digital infrastructure network resilience,  
preparedness, EW and Affordability assessments  
*Lao, Philippines [New interest Vietnam, Indonesia, Thailand]*

# ITU capacity development resource to support digital skills

## OUR RESOURCES



**DIGITAL SKILLS INSIGHTS**  
an online publication of scholarly articles focusing on the impact of digital transformation on capacity and skills development.



**ASSESSMENT GUIDEBOOK**  
a comprehensive, practical step-by-step tool for national digital skills assessments of supply-demand gaps to develop policies future digital skills requirements



**TOOLKITS**  
Practical information, examples, and step-by-step guidance for policy makers to develop a national digital skills strategy.

## OUR DIGITAL SKILLS INITIATIVES



Main online gateway to ITU's capacity development activities



ITU's new flagship programme to develop the capacity of ICT professionals across the globe

### Focus Areas

-  Policy and regulation
-  Network infrastructure
-  Spectrum management
-  Cybersecurity
-  Digital inclusion
-  Digital services



**Digital Transformation Centres**

Supporting countries to strengthen digital capacities of citizens, particularly in the underserved communities

Name of institution	Country
ICT Training and Development Center (BPPTIK)	Indonesia
Virtual University of Pakistan	Pakistan
Papua New Guinea University of Technology (UNITECH)	Papua New Guinea
Department of Information and Communication Technology (DICT)	The Philippines





Digital Transformation Enablers	Key Products	Related Products
<p><b>Digital infrastructure and access &amp; Emergency Communications</b></p>	<ul style="list-style-type: none"> <li>• Toolkit on Digital Transformation for people-oriented cities and communities (T);</li> <li>• Gov Stack – Building-block Approach for Digital Gov Infrastructure &amp; Playbooks;</li> <li>• Smart Village &amp; Smart Island (SVSI) Needs Assessment Methodology and Toolkit;</li> <li>• ICT Infrastructure Business Planning Toolkit for 5G Networks;</li> <li>• Last-Mile Connectivity Internet Solutions Guide and Broadband Connectivity Toolkit;</li> <li>• Universal Service Financing Efficiency Toolkit</li> <li>• Green Data Centres Guide (T)</li> <li>• ITU Handbook for IMT (R)</li> <li>• Partner 2 Connect (P2C)</li> </ul>	<p>Toolkit on digital inclusion implementation;                      A practical guide on ICT/Digital accessibility for experts and agencies on SVSI; Sustainable Procurement Guide for ICTs;                      BDT Handbook on Emergency Communications;                      NETP Guidelines;                      Emergency Telecom Preparedness Checklist;                      Network Resilience Checklist;                      KPIs for SSCs (U4SSCs); United for Smart Sustainable Cities (U4SSC) Maturity level (T) ; Digital Agriculture Strategy; Digital Health Strategy;                      Digital Transformation Strategies (Country specific);</p>
<p><b>Digital safety and trust</b></p>	<ul style="list-style-type: none"> <li>• National Cybersecurity Strategy Guide; Global Cyber Security Index</li> <li>• Readiness Assessment for National CIRTs;</li> <li>• CoP Guidelines; Tabletop Exercises for Executives; Technical Skills-based Trainings for incident responders;</li> <li>• Digital Financial Services Security Assurance Framework;</li> <li>• Cyber Security Resilience Assessment toolkit for Digital Financial Services Critical Infrastructure</li> </ul>	
<p><b>Digital skills</b></p>	<ul style="list-style-type: none"> <li>• ITU Academy;</li> <li>• National Digital Skills Assessment Framework - Digital Skills Toolkit and Digital Skills Assessment Guidebook</li> <li>• Digital Transformation Centres</li> </ul>	
<p><b>Research and innovation</b></p>	<ul style="list-style-type: none"> <li>• Digital Innovation Profiling;</li> <li>• Innovation &amp; Entrepreneurship Alliance - Digital Development Playbooks;</li> </ul>	
<p><b>Policies and regulations</b></p>	<ul style="list-style-type: none"> <li>• Digital Regulation Platform</li> <li>• Guidance Document on Ethics and governance of artificial intelligence for health (T)</li> <li>• Unified Framework for Policy &amp; Regulation</li> <li>• Key 5G Enablers Study</li> <li>• Collaborative Regulation and G5 Tracker</li> <li>• GSR Best practices</li> <li>• ITU Handbook on Manstreaming gender in Digital Policies</li> </ul>	<ul style="list-style-type: none"> <li>• [Digital Kit for Digital Transformation; ITU-D SG 2 submission from BDT]</li> </ul>
<p><b>Data availability and use</b></p>	<ul style="list-style-type: none"> <li>• ITU Data-Hub</li> <li>• Big Data, IIoT &amp; Industry 4.0: Approaches &amp; Security Considerations;</li> <li>• AI Technical Standards (T)</li> </ul>	

## Contact us

### **ITU REGIONAL OFFICE FOR ASIA AND THE PACIFIC BANGKOK (THAILAND)**

Regional coordination and national engagement

E-mail: [itu-ro-asiapacific@itu.int](mailto:itu-ro-asiapacific@itu.int)

### **ITU AREA OFFICE FOR SOUTH EAST ASIA JAKARTA (INDONESIA)**

Sub-regional and national engagement

E-mail: [bdt-ao-jakarta@itu.int](mailto:bdt-ao-jakarta@itu.int)

### **ITU AREA OFFICE FOR SOUTH ASIA AND INNOVATION CENTRE NEW DELHI (INDIA)**

Sub-regional and national engagement

E-mail:

**Area Office : [itu-ao-southasia@itu.int](mailto:itu-ao-southasia@itu.int)**

**Innovation Centre : [itu-ic-southasia@itu.int](mailto:itu-ic-southasia@itu.int)**

# Thank You



Contact Us

ITU Regional Office for Asia and the Pacific:

[ituasiapacificregion@itu.int](mailto:ituasiapacificregion@itu.int)



**Twitter URL:**

<https://twitter.com/ITUAsiaPacific>

**Official Twitter account:**

@ITUAsiaPacific



**Official LinkedIn account:**

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for Asia and the Pacific