ITU

Committed to connecting the world

ITU Regional Office for Asia and the Pacific
Contact e-mail: ituasiapacificregion@itu.int
Website: www.itu.int/itu-d/sites/asiapacific
@ITUAsiaPacific   ITU Regional Office for Asia and the Pacific

ITU is the United Nations **specialized agency for information and communication technologies** (ICTs)

Our sectors

*Each sector has a **separate mandate**, but all work towards **connecting the world***

ITU Radiocommunication
Coordinating radio-frequency spectrum and assigning orbital slots for satellites

ITU Standardization
Establishing international standards

ITU Development
Bridging the digital divide

Since 1865, the International Telecommunication Union (ITU) has worked to improve connectivity around the world -- from telegraphy through to the modern world of satellites, mobile phones and the Internet.

Governments and industry working together since 1870s

ITU regional presence

🟡 **Regional offices**
  . Brasilia
  . Addis Ababa
  . Cairo
  . Geneva
  . Moscow
  . Bangkok

🔵 **Area offices**
  . Tegucigalpa
  . Santiago
  . Bridgetown
  . Dakar
  . Yaounde
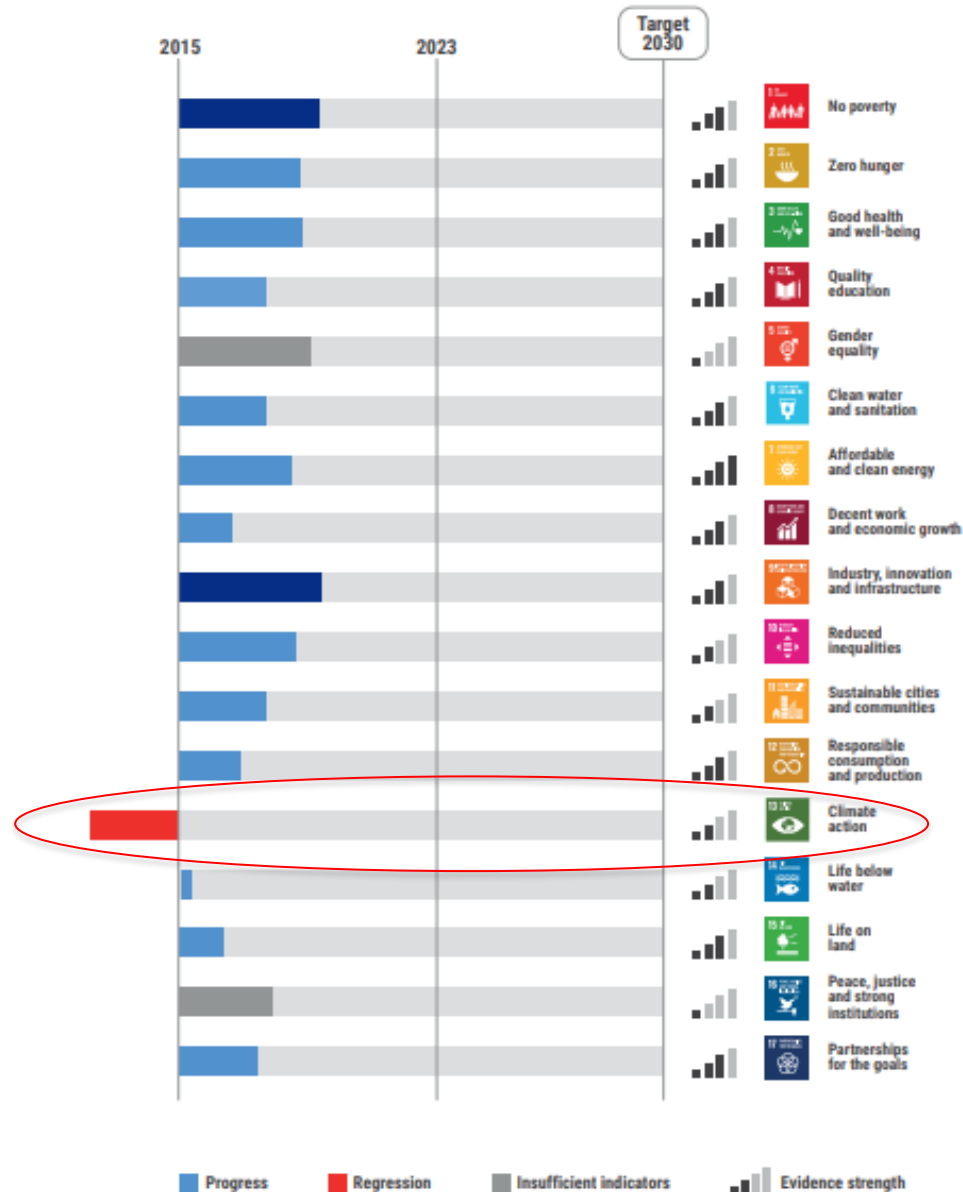 . Harare
  . Jakarta
  . Delhi

🟣 **UN office**
  . New York

ITU Won the 2023 Engineering, Science and Technology Emmy Award for its recommendation on High-Dynamic-Range Television or HDR-TV

▼ Progress towards the SDGs in the Asia-Pacific region

Source: ESCAP (2024)
ASIA AND THE PACIFIC
SDG PROGRESS
REPORT

https://www.unescap.org/kp/2024/asia-and-pacific-sdg-progress-report-2024

2.6 billion people offline in the world in 2023

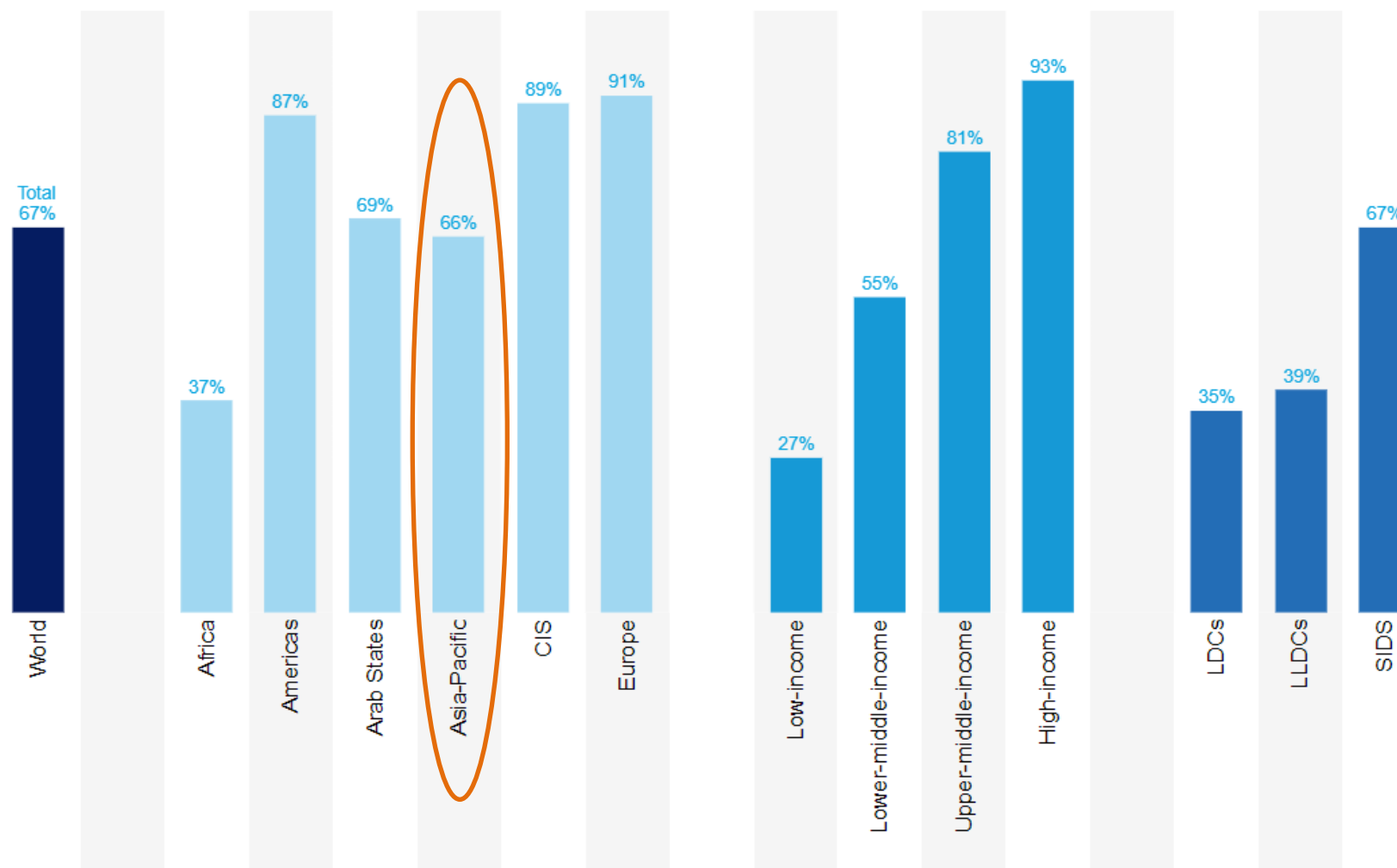**5.4** billion people online in the world in 2023

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

ITUPublications

International Telecommunication Union
Development Sector

Measuring digital development
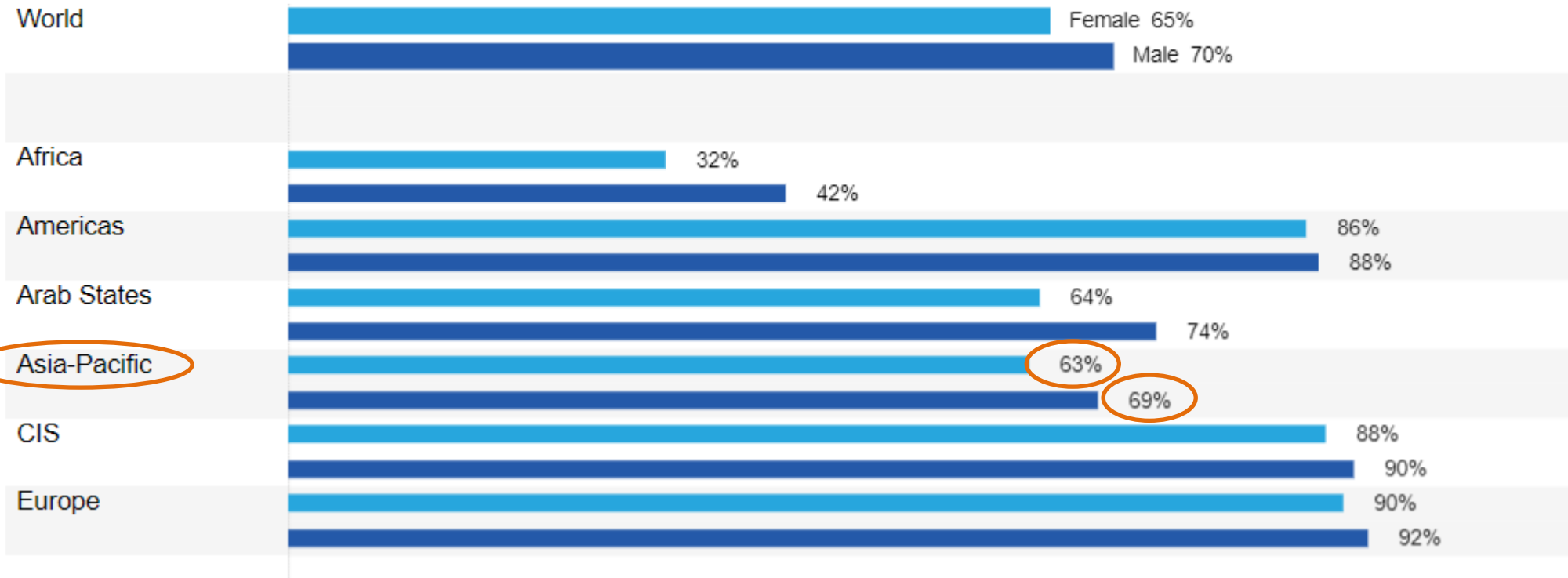**Facts and Figures**
2023

Percentage of individuals using the Internet by region, 2023

Gender Digital Divide Remains

Percentage of female and male population using the Internet, 2023

World
- Female 65%
- Male 70%

Africa
- 32%
- 42%

Americas
- 86%
- 88%

Arab States
- 64%
- 74%

Asia-Pacific
- 63%
- 69%

CIS
- 88%
- 90%

Europe
- 90%
- 92%

ITU Development Work

10

Networks & digital infrastructure

Cybersecurity

Emergency telecommunications

Digital policy & regulation

Digital innovation ecosystems

Capacity development

Statistics

Digital services & applications

Digital inclusion

Environment

Achieving universal and meaningful digital connectivity in the decade of action

Aspirational targets for 2030

Achieving universal and meaningful digital connectivity –the possibility for everyone to enjoy a safe, satisfying, enriching, productive and affordable online experience– is key for enabling digital transformation and meeting the Sustainable Development Goals.

As part of the implementation of the UN Secretary-General's Roadmap for Digital Cooperation, the International Telecommunication Union and the Office of the UN Secretary-General's Envoy on Technology have established a set of aspirational targets for 2030 to help prioritize interventions, monitor progress, evaluate policy effectiveness, and galvanize efforts around achieving universal and meaningful connectivity by the end of the decade.

More information:
www.itu.int/umc2030

Notes [1] Mobile network of the latest technology is the most advanced technology available in the country with at least 40% of the population already covered. | [2] Parity is deemed reached when the share of women using the internet/owning a mobile phone/using a mobile phone/with specific digital skills, among the female population is equal to the share of men. | [3] Download speed. Mb/s = megabits per second. | [4] kb/s = kilobits per second.

Universality targets

100%
- of population aged 15+ uses the Internet
- of households have Internet access
- of businesses use the Internet
- of schools are connected to the Internet
- of population is covered by a mobile network of the latest technology [1]
- of population aged 15+ owns a mobile phone

>70% of population aged 15+ has basic digital skills

>50% of population aged 15+ has intermediate digital skills

Gender parity is achieved for Internet use, mobile phone ownership and use, and digital skills [2]

Technology targets

100% of fixed-broadband subscriptions are 10 Mb/s or faster [3]

20 Mb/s Minimum download speed at every school

50 kb/s Minimum download speed available per student [4]

200 GB Minimum data allowance for every school

Affordability targets

2%
- Entry-level broadband subscription costs less than 2% of gross national income per capita
- Entry-level broadband subscription costs less than 2% of average income of the bottom 40% of population

United Nations Office of the Secretary-General's Envoy on Technology

ITU

Network and Digital Infrastructure

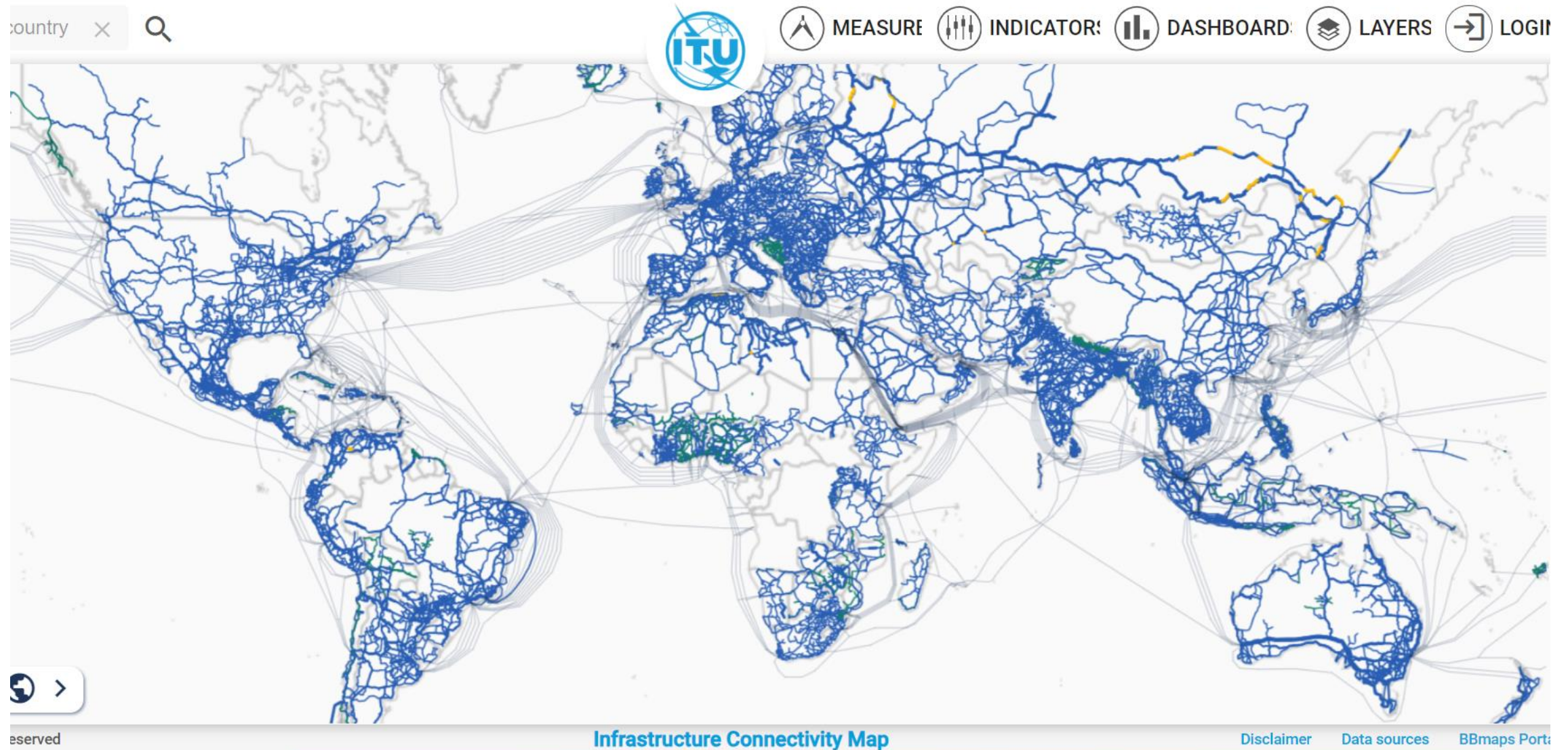|	
Spectrum Management	• NTFA updates • Spectrum Master plan • Spectrum capacity building study
Broadcasting	• Regional event Future of TV in ASP
Next Generation Networks	• IXP related engagements • Multiple engagements on 5G related issues e.g. EMF
Broadband networks	• ICT connectivity and Policy Gap assessments
Rural-Communications,	• GIGA • LMC toolkit launch
Bridging the Standardization Gap and C&I	• CoE events
International Connectivity	• ITU BB Maps update • Study on National mapping system

ITU interactive transmission map

Infrastructure Connectivity Map

MEASURE · INDICATORS · DASHBOARDS · LAYERS · LOGIN

Disclaimer · Data sources · BBmaps Portal

Source: https://bbmaps.itu.int/bbmaps/

4 Pillars of Early Warning Systems

Pillar 1: UNDRR

Disaster risk knowledge
Systematically collect data
and undertake risk assessments

- Are the hazards and the vulnerabilities well known by the communities?
- What are the patterns and trends in these factors?
- Are risk maps and data widely available?

Pillar 2: WMO

Detection, observations, monitoring, analysis and forecasting of hazards
Develop hazard monitoring and early warning services

- Are the right parameters being monitored?
- Is there a sound scientific basis for making forecasts?
- Can accurate and timely warnings be generated?

Preparedness and response capabilities
Build national and community response capabilities

- Are response plans up to date and tested?
- Are local capacities and knowledge made use of?
- Are people preapred and ready to react to warnings?

Warning dissemination and communication
Communicate risk information and early warnings

- Do warnings reach all of those at risk?
- Are the risks and warnings understood?
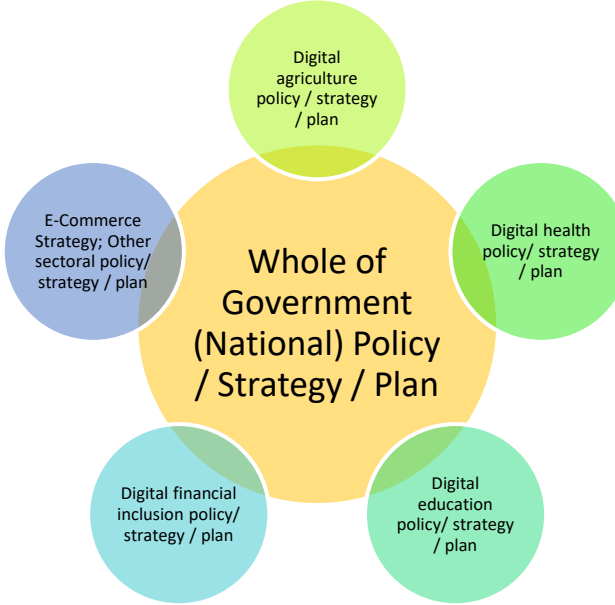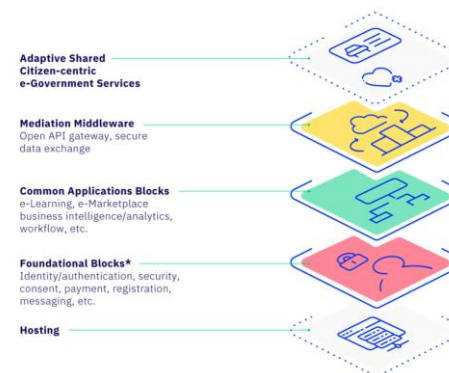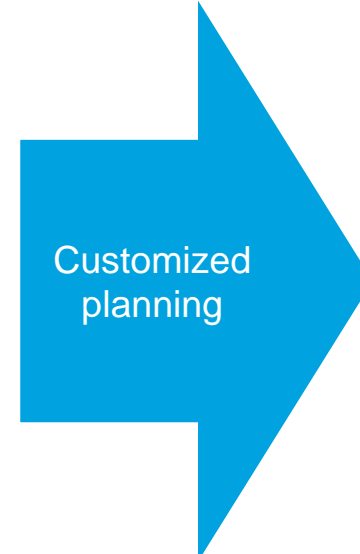- Is the warning information clear and usable?

Pillar 4: IFRC

Pillar 3: ITU

Whole-of-government approach for digital development

National Vision and SDG implementation plan

Digital agriculture policy / strategy / plan

E-Commerce Strategy; Other sectoral policy/ strategy / plan

Digital health policy/ strategy / plan

Whole of Government (National) Policy / Strategy / Plan

Digital financial inclusion policy/ strategy / plan

Digital education policy/ strategy / plan

Legislations Regulations

SDG

Customized planning

Smart city
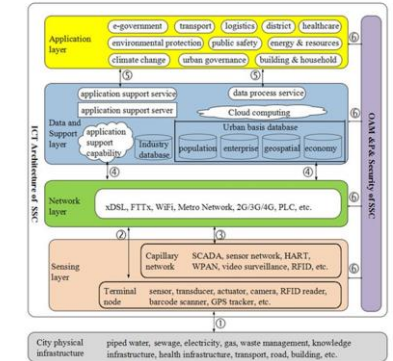
Smart village

Smart Islands

GovStack

Adaptive Shared Citizen-centric e-Government Services

Mediation Middleware
Open API gateway, secure data exchange

Common Applications Blocks
e-Learning, e-Marketplace business intelligence/analytics, workflow, etc.

Foundational Blocks*
Identity/authentication, security, consent, payment, registration, messaging, etc.

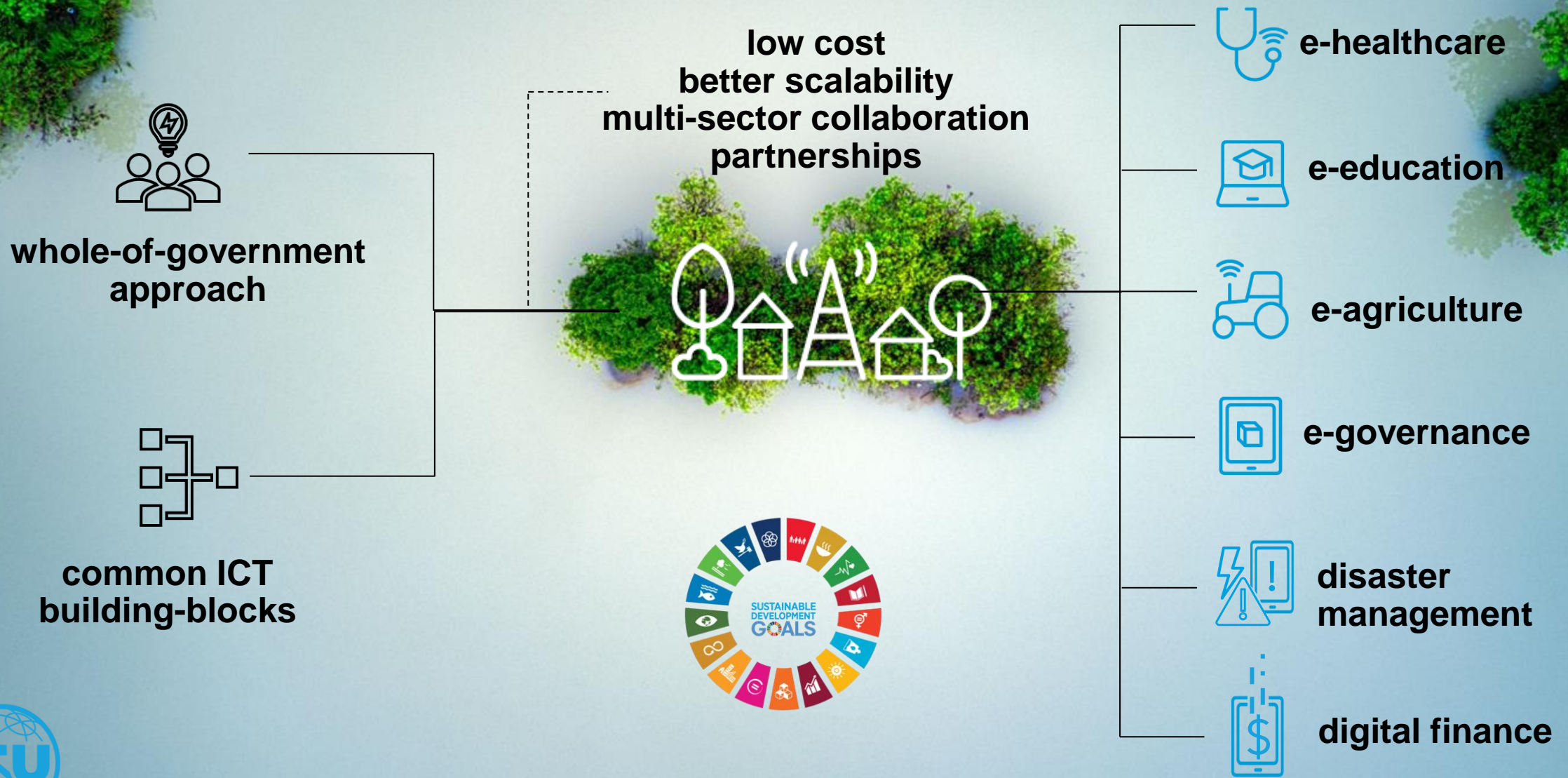Hosting

Concept of Smart Villages and Smart Islands

GovStack's Whole-of-Government approach

There is growing evidence that a whole-of-government approach to digital infrastructure investment can deliver reusable digital services at scale with a greater return on investment.

The approach takes advantage of economies of scale that are not available when taking a piece-meal approach.

ℹ️ Instead of creating unique and disparate solutions, use a common reusable stack of Building Blocks to form the core platform engine and contextualize various e-government services on top.
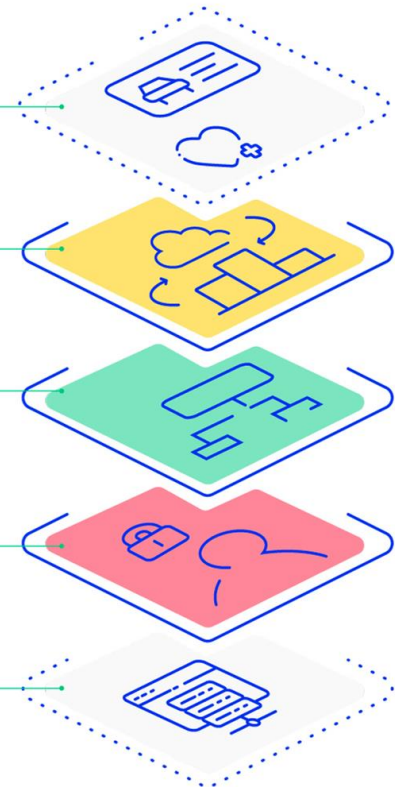
Adaptive Shared Citizen-centric e-Government Services

Mediation Middleware
Open API gateway, secure data exchange

Common Applications Blocks
e-Learning, e-Marketplace business intelligence/analytics, workflow, etc.

Foundational Blocks*
Identity/authentication, security, consent, payment, registration, messaging, etc.

Hosting

A "platform of platforms" that can be used by any government agency, department across different sectors to build new government digital services without having to design, test and operate the underlying systems and infrastructure themselves

*Creating a
Circular Economy*

E-waste

THE GLOBAL E-WASTE MONITOR 2024

Authors: Cornelis P. Baldé, Ruediger Kuehr, Tales Yamamoto, Rosie McDonald, Elena D'Angelo, Shahana Althaf, Garam Bel, Otmar Deubzer, Elena Fernandez-Cubillo, Vanessa Forti, Vanessa Gray, Sunil Herat, Shunichi Honda, Giulia Iattoni, Deepali S. Khetriwal, Vittoria Luda di Cortemiglia, Yuliya Lobuntsova, Innocent Nnorom, Noémie Pralat, Michelle Wagner

Image: Muntaka Chasant for Fondation Carmignac

unitar — United Nations Institute for Training and Research

ITU

FONDATION CARMIGNAC | PHOTO-JOURNALISM AWARD

What is E-waste

Electronic waste, or e-waste, refers to electrical and electronic equipment (EEE) that is waste, including all components, sub-assemblies and consumables that are part of the equipment at the time the equipment becomes waste
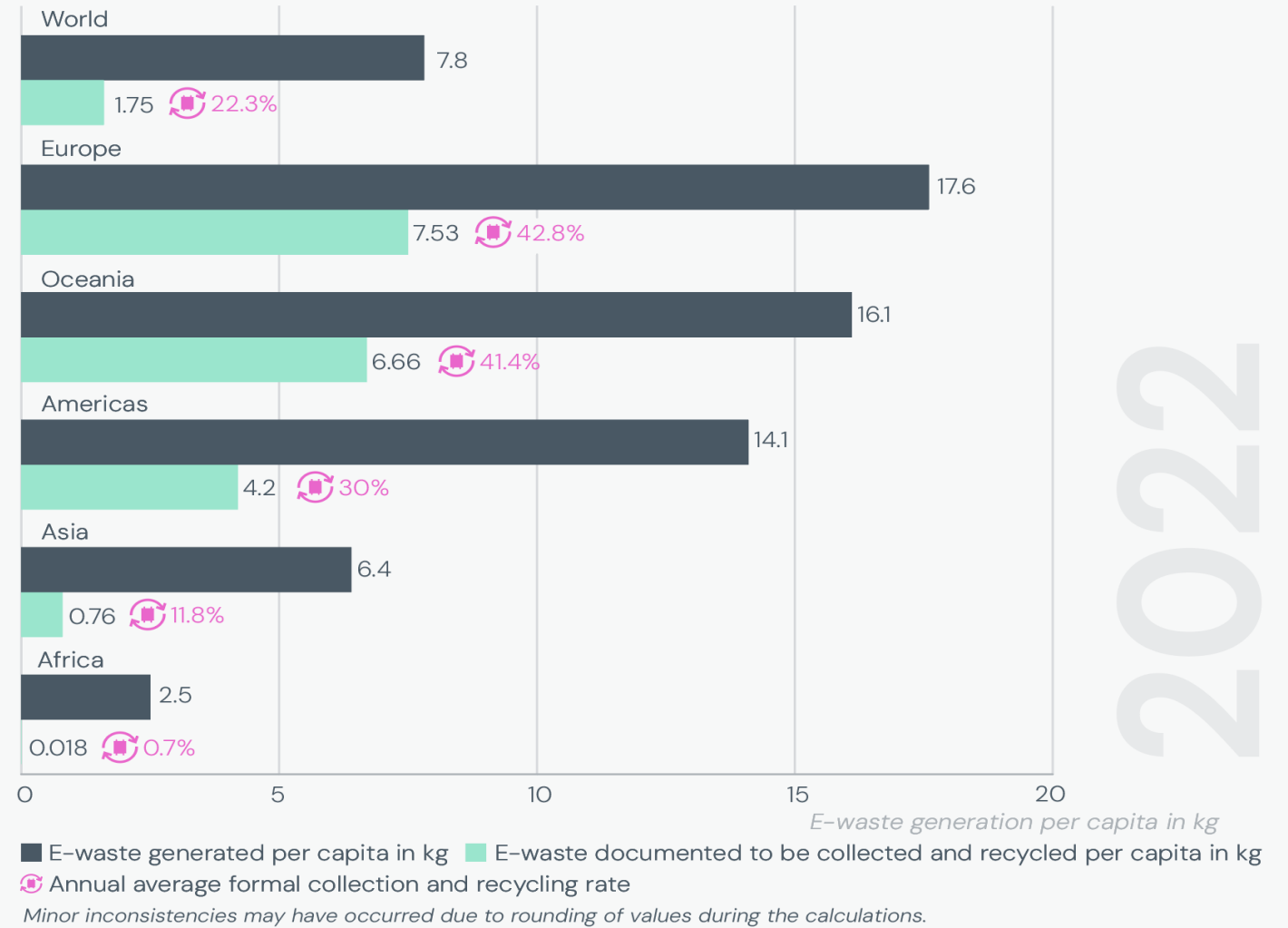
- This includes a broad range of products with circuitry or electrical components with power or battery supply that have been discarded **without the intent of reuse**

- E-waste, also known as Waste Electrical and Electronic Equipment (WEEE), is one of the **fastest-growing waste streams in the world**

- A substantial amount of e-waste includes waste derived from discarded ICT equipment such as **mobile phones, personal computers, printers, telephones, laptops and routers**. At the same time, a growing number of other types of products such as temperature exchange equipment and white goods are functioning as 'smart technologies', relying on sensors and connectivity to other devices

Muntaka Chasant for Fondation Carmignac

E-waste Generated and Documented as Formally Collected and Recycled by Region

World	7.8	
	1.75 🔄 22.3%	
Europe	17.6	
	7.53 🔄 42.8%	
Oceania	16.1	
	6.66 🔄 41.4%	
Americas	14.1	
	4.2 🔄 30%	
Asia	6.4	
	0.76 🔄 11.8%	
Africa	2.5	
	0.018 🔄 0.7%	

E-waste generation per capita in kg

■ E-waste generated per capita in kg   ■ E-waste documented to be collected and recycled per capita in kg
🔄 Annual average formal collection and recycling rate
Minor inconsistencies may have occurred due to rounding of values during the calculations.

2022

Source: The Global E-waste Monitor 2024

Highlights of E-Waste Project

- **Creating a Circular Economy for Electricals and Electronics in Thailand and Mongolia**

- This project aims to **create sound recommendations for a legal regime, administrative arrangements and financing mechanism for the governance of e-waste management under extended producer responsibility (EPR) in Thailand and Mongolia**

- Expected result: **Technical proposal reports** on the implementation of e-waste regulation and EPR for the electricals and electronics (EEE)

- Activities:
    - Situational analyses
    - Stakeholder consultation workshops
    - Validation process
    - Technical proposal report

- Beneficiary country: Thailand and Mongolia

- Project timeline: 31 Jan. 2024-15 Mar. 2026 estimated

- Project manager: Sameer Sharma
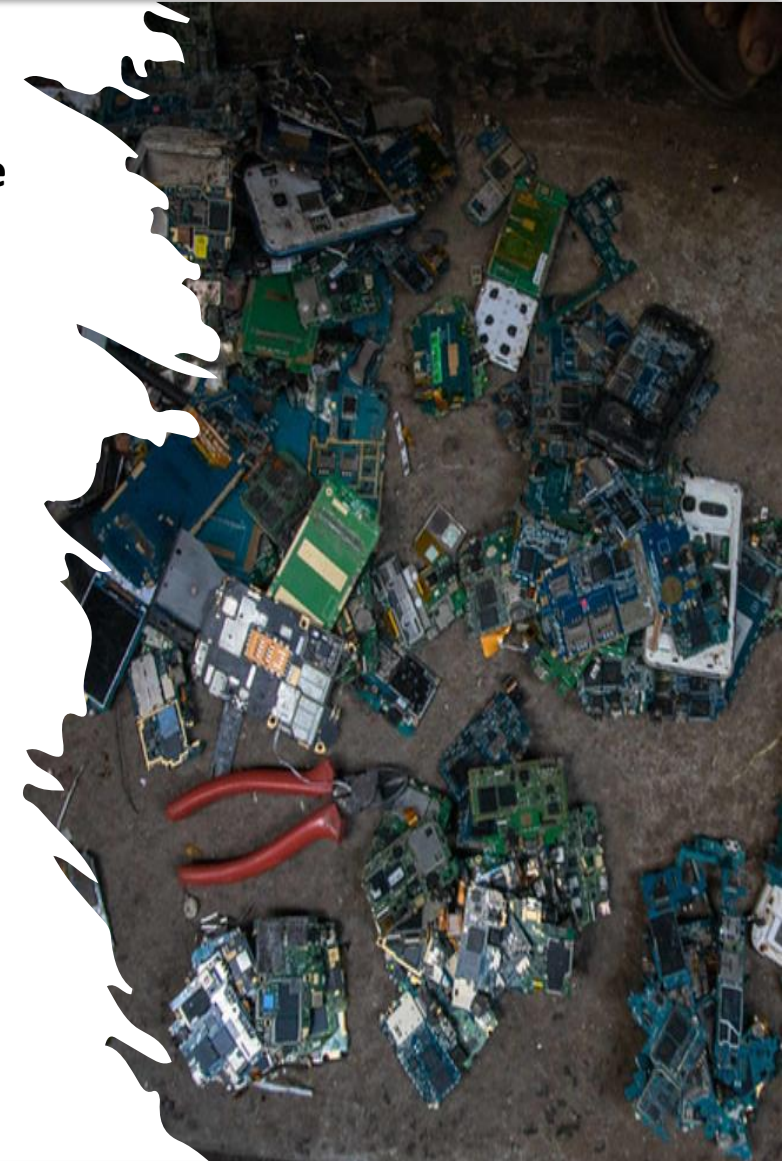
ITU Capacity Development Partnerships: Closing the Digital Skills Gap

Capacity and Digital Skills Development Division
Telecommunication Development Bureau (BDT)
International Telecommunication Union

Capacity Development Programme

The ITU-D Capacity Development programme aims at achieving a digitally competent society and improve livelihoods by boosting knowledge and skills on digital technologies. Its efforts are focused in the following areas:

Its efforts are focused in the following areas:

Develop the capacity of **ICT policy-makers and professionals**

Boost digital literacy and skills of **citizens**

Foster **knowledge and collaboration** on digital skills

Discover the ITUAcademy

ITU's online learning platform offers a diverse range of courses to bolster skills and advance career in the field of ICTs and digital development.
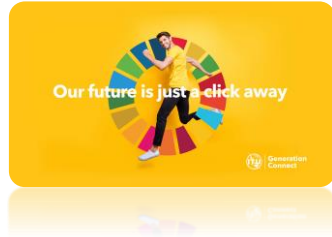

45'000+ users* from the entire digital sector:

- Policymakers, regulators, government officials
- ICT professionals
- Professionals from academia and civil society

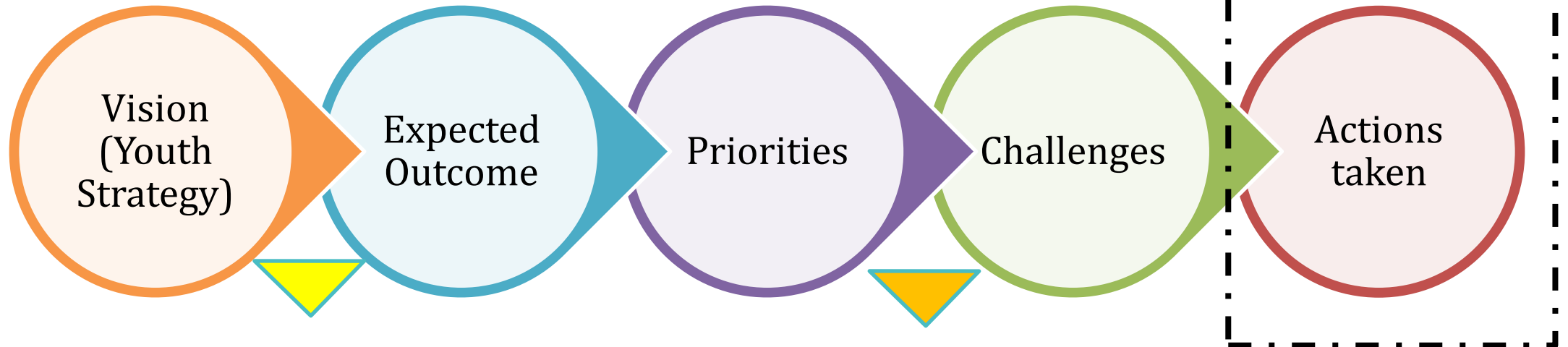**67%** of participants are from developing countries

From Youth Strategy to GC-ASP Action Plan 2022-2025

Vision (Youth Strategy) → **Expected Outcome** → **Priorities** → **Challenges** → **Actions taken**

- ➤ Engage in the work of ITU-ASP
- ➤ Contribute to the decision-making processes
- ➤ Promote ICT youth-related policies within ITU Member States
- ➤ Regular dialogue and consultations
- ➤ Incorporate a youth perspective in the implementation of the ITU strategic plan

① Cybersecurity
② Digital Services and Applications
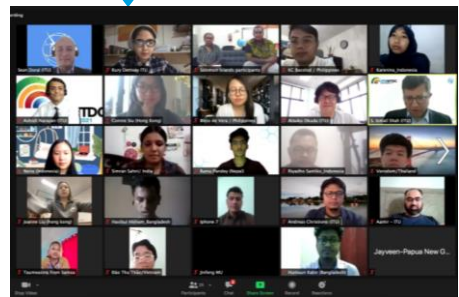③ Digital Inclusion
④ Capacity Development

Engagements including:
- ✓ Smart villages and smart islands
- ✓ Girls in ICT Day
- ✓ Child Online Protection
- ✓ E-waste
- ✓ EU-STREIT PNG Programme
- ✓ WTDC, TDAG, Council, PP, GCY, RDF...

GC-ASP Members inputs

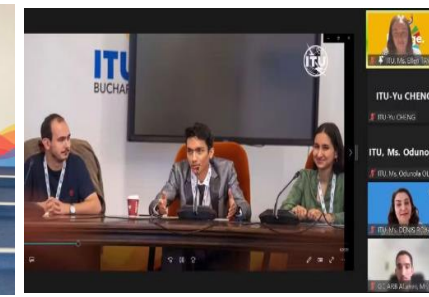# Generation Connect Asia and the Pacific Youth Envoys' Engagements (2021-2023)

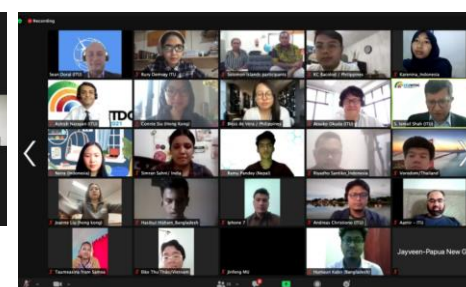**Establishment of GC ASP**

GC ASP at WTDC &Youth Summit

GC ASP at ITU PP

GC ASP at GICT

GC ASP at TDAG

ITU Council

COP & GICT

GC-ASP: Walk into ICT Industry

Partnership with Huawei: Seeds for the Future 2022-2023

Generation Connect – Asia and the Pacific Youth Envoys 2024 (21 ASP youth envoys from 7 countries)

Len Solinda, 20
Cambodia

HUT Chanborey, 22
Cambodia

Whatanak Kean, 21
Cambodia

Ly Saovty, 22
Cambodia

Jiameng Li, 24
China

Zhuoyong Shi, 22
China

Feng Yu'ang, 23
China

Kailai Feng, 23
China

Adita Rachmadina Sule,
22, Indonesia

Adi Supriyadi, 23
Indonesia

Bintang Maranatha
Utama,21, Indonesia

Vinia Salsabila, 23
Indonesia

Coreen Samuelu, 24
Samoa

Fareti Amosa, 24
Samoa

Coreen Samuelu, 24
Samoa

Shania Ann A. Jimenez,
22, Philippines

Zoe Angeli Uy, 18
Philippines

Sandro M. Chica, 21
Philippines
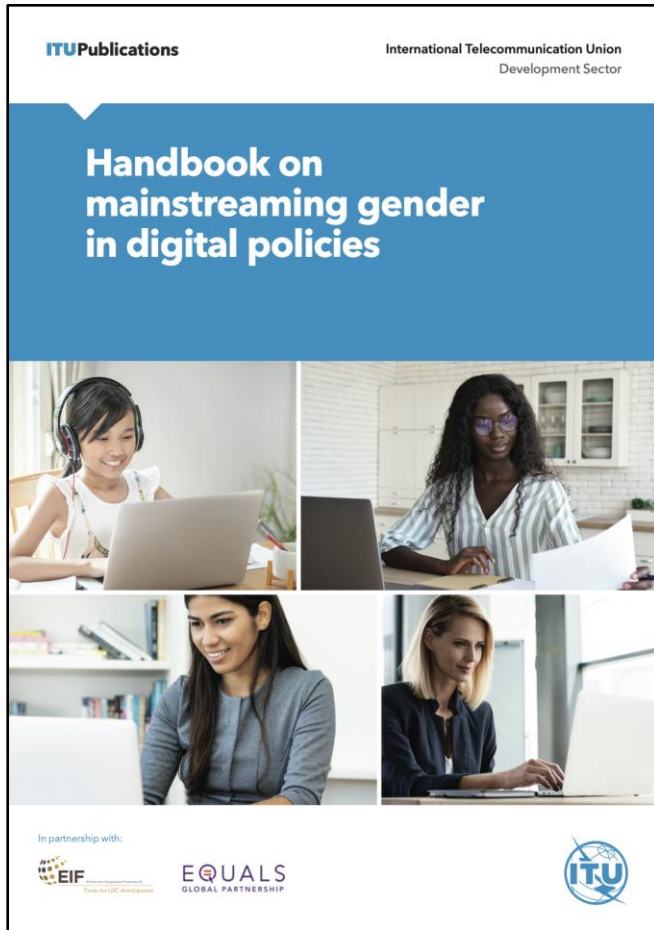
Julius Atienza Aala, 22
Philippines

Yearin Lee, 23
Republic of Korea

Tran Trung Kien,
23, Viet Nam

Digital inclusion: Gender

ITU Handbook on
mainstreaming gender in digital policies

Available now at:
https://www.itu.int/hub/publication/d-hdb-gender-2023-01/

Network of Women in ITU-D

Visit the website at
itu.int/NOW4WTDC

EQUALS Global Partnerships

Visit the website at
equalsintech.org

Digital inclusion: Gender
Girls in ICT Day 2024: *"Leadership"*

Girls in ICT Networking event by Forum Global at the
10th Asia-Pacific Spectrum Management Conference,
Indonesia 24 April 2024.
- Participants: **30 delegates of the conference
including women and young women** from Indonesia
and Asia-Pacific region.

International Girls in ICT Day
Manila, Philippines, (hybrid mode), 25 April 2024
- Participants: approximately **800 girls, boys, and
women** worldwide.

**Opening ceremony of the
Girls in ICT Day Thailand 2024**
Bangkok, Thailand, (hybrid mode), 25 April 2024
- Participants: **over 650 girls, boys, young women, and teachers** from
across the country.

Pacific Girls in ICT Day
Port Villa, Vanuatu (hybrid mode), 2 May 2024
- Participants: **150 girls, boys, and women** from
**Australia, FSM, Kiribati, Papua New Guinea, Samoa, Tonga,
Tuvalu, Vanuatu**

Girls in ICT Day Samoa
Apia, Samoa, 7 May 2024
- Participants: **100 girls, boys, and women from** across the
country

Girls in ICT Day India
New Delhi, India, 15 May 2024
- Participants: **1000 girls, boys, and women from** across the
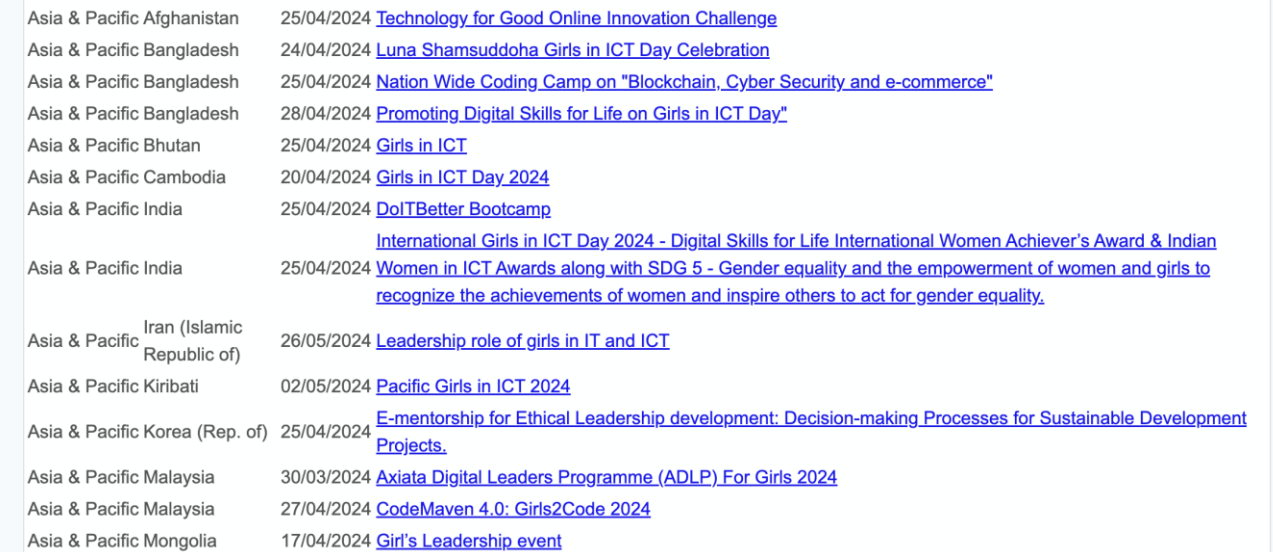country

29

girlsinict-asiapacific.org

Girls in ICT Asia-Pacific Website

Home   News   Our Story   Countries ⌄

https://girlsinict-asiapacific.org/

ITU Girls in ICT portal

World wide celebrations at a glance

The designations employed and the presentation of material on this [map/infographic] do not imply the expression of any opinion whatsoever on the part of ITU and of the Secretariat of the ITU concerning the legal status of the country, territory, city or area or its authorities, or concerning the delimitation of its frontiers or boundaries.

Girls in ICT celebrations across the world on 25 April and throughout the year

Region	Country	Date	Event
Asia & Pacific	Afghanistan	25/04/2024	Technology for Good Online Innovation Challenge
Asia & Pacific	Bangladesh	24/04/2024	Luna Shamsuddoha Girls in ICT Day Celebration
Asia & Pacific	Bangladesh	25/04/2024	Nation Wide Coding Camp on "Blockchain, Cyber Security and e-commerce"
Asia & Pacific	Bangladesh	28/04/2024	Promoting Digital Skills for Life on Girls in ICT Day"
Asia & Pacific	Bhutan	25/04/2024	Girls in ICT
Asia & Pacific	Cambodia	20/04/2024	Girls in ICT Day 2024
Asia & Pacific	India	25/04/2024	DoITBetter Bootcamp
Asia & Pacific	India	25/04/2024	International Girls in ICT Day 2024 - Digital Skills for Life International Women Achiever's Award & Indian Women in ICT Awards along with SDG 5 - Gender equality and the empowerment of women and girls to recognize the achievements of women and inspire others to act for gender equality.
Asia & Pacific	Iran (Islamic Republic of)	26/05/2024	Leadership role of girls in IT and ICT
Asia & Pacific	Kiribati	02/05/2024	Pacific Girls in ICT 2024
Asia & Pacific	Korea (Rep. of)	25/04/2024	E-mentorship for Ethical Leadership development: Decision-making Processes for Sustainable Development Projects.
Asia & Pacific	Malaysia	30/03/2024	Axiata Digital Leaders Programme (ADLP) For Girls 2024
Asia & Pacific	Malaysia	27/04/2024	CodeMaven 4.0: Girls2Code 2024
Asia & Pacific	Mongolia	17/04/2024	Girl's Leadership event

Once, you have finalized your **Girls in ICT** events, please **submit** and **share** the details on the event portal in the *following link* or **scan** the QR code at:

https://www.itu.int/women-and-girls/girls-in-ict/international-girls-in-ict-day-2024/girls-in-ict-2024-events-worldwide/

Why does ICT accessibility matter: facts and figures?

9.8 billion is the estimated World Population in 2050

- 1.1 billion **people with disabilities** are excluded if the digital environment is not accessible.

- 1.1 billion young people are at risk of losing their hearing because of unsafe listening practices and systems.

- 2.1 billion people over the age of 60 by 2050 – face **age-related disabilities**

- 0.47 billion **Indigenous people**

- 0.77 billion **illiterates**

- 0.28 billion **migrants**

4,3 to 5,82 billion people

About half of the world's population will need accessible ICTs in the next 30 years!

None of us are getting any younger.

ITU Area Office for South Asia and Innovation Centre

- The ITU Area Office for South Asia and Innovation Centre was inaugurated at the highest levels by ITU's Secretary General and the PM of India on 22nd March 2023.

- It is fully funded and hosted by the Government of India.

- The objectives of the area office are:

    - Promoting the introduction of advanced technologies

    - Contributing to the development of ICT/telecommunication networks and services

    - Providing TA to infrastructure, e-governance, and cross-sectoral ICT applications

    - Assisting with human resources and capacity development

    - Conducting other activities related to ITU's mandate to connect the world

Mainstreaming emerging technologies and digital innovation in critical aspects of inclusive and sustainable digital transformation regionally and globally to reduce technological inequities

1. A global center to reduce technological inequities
2. Spotlight the Indian ecosystem
3. Support ITU's mission with new capabilities
4. Accelerate Digital Development

ECOSYSTEM

ENTREPRENEURS

FINANCE

ENTREPRENEURIAL SUPPORT

PUBLIC SECTOR

ACADEMIA

PRIVATE SECTOR

Innovation Centre
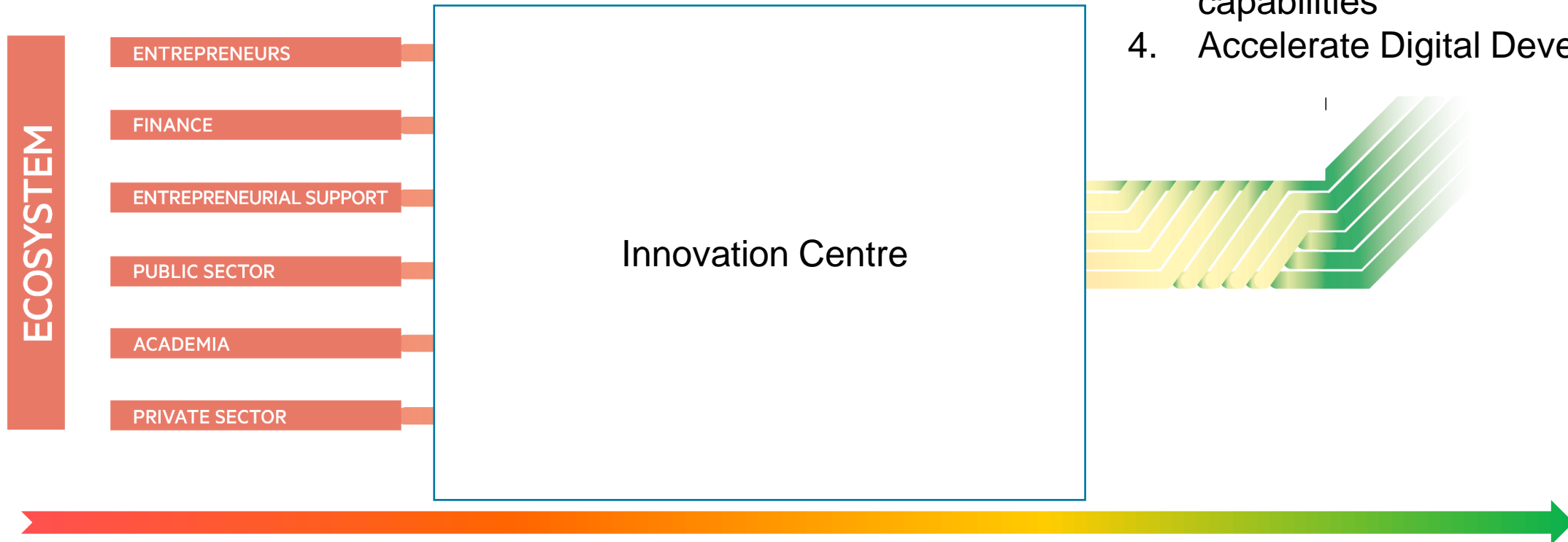
Cybersecurity

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

Global Cybersecurity Index 2020

Cybersecurity commitments in Asia-Pacific vary significantly

Cybersecurity

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

Creating a trusted cyberspace for all

ITU's Child Online Protection Initiative

In 2020, ITU has released a new set of COP Guidelines: updated, re-thought and re-written by an expert multi-stakeholder working group.

The new Guidelines include:
➢ The special situation of children with disabilities
➢ Issues around new technological developments

4 sets of guidelines for
- Policy-makers
- Industry
- Parents and educators
- Children
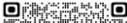
www.itu-cop-guidelines.com
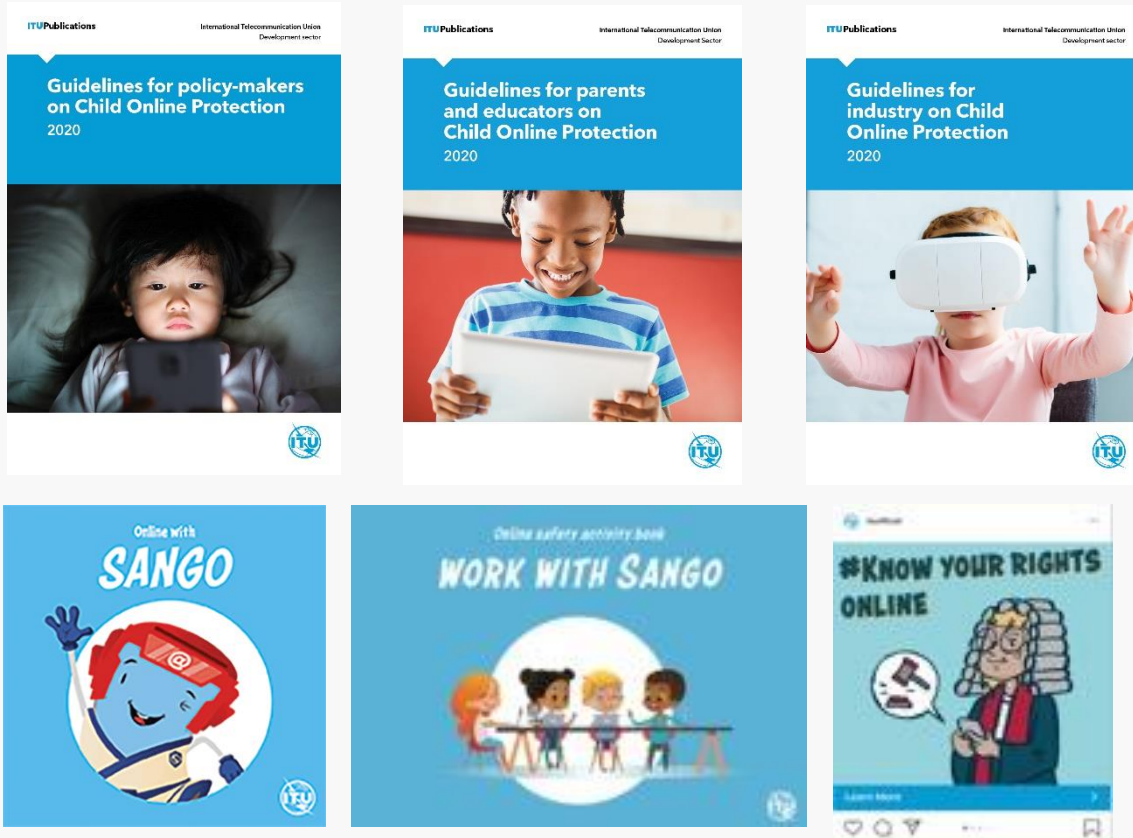
Child Online Protection for Asia and the Pacific

2023-2024 COP Movements

Outputs

Beneficiary Countries

Outcomes

- **Translated versions of the ITU COP Guidelines** (Bahasa Indonesian, Mongolian and Thai). Bhutan **localized version of the ITU COP Guidelines**.

- 3 **UN2UN Agreements** on COP with UNICEF Thailand, Bhutan and Mongolia deployed COP in the countries.

- Organized a series of **national COP conferences, focus group discussions, workshops and trainings.**

- **4 COP National Assessment Reports** with policy recommendations for Bhutan, Mongolia, Pakistan and Thailand. Support the development of the presidential COP Roadmap in Indonesia.

COP ASP website

Bhutan, Thailand, Mongolia, Indonesia, Pakistan, Cambodia, Timor-Leste

Ongoing: India, Nepal

COP ASP Regional Concluding Workshop 2023

- **Strengthened capability of stakeholders** in building safety and security for protecting children online.

- **Increased awareness at regional and national level** on the importance of child online protection in the digital economy.

- **Improved engagement of stakeholders and cooperation** amongst the government and academia, international organizations, industry and media, civil society, and parents and educators

ASEAN Regional Conference on COP

Statistics: Resources

DataHub

Data explorer   Indicator catalogue   Data query   About   Login

Select an indicator or dashboard   →   Select an economy   →   Select a comparison   →

The world's richest source of ICT statistics and regulatory information

Track the digital transformation with the ITU DataHub, featuring hundreds of ICT indicators on connectivity, markets, affordability, trust governance, and sustainability. Find, compare, and download data for nearly 200 economies.

https://datahub.itu.int/

ICT Development Index:
https://www.itu.int/itu-d/reports/statistics/idi2024/

Facts and Figures 2023:
https://www.itu.int/itu-d/reports/statistics/facts-figures-2023/

Dashboard for Universal and Meaningful Connectivity (UMC):
Tracking progress towards the UMC targets
https://www.itu.int/umcdashboard

Facts and Figures SIDS:
https://www.itu.int/itu-d/reports/statistics/facts-figures-for-sids/

Facts and Figures LLDCs:
https://www.itu.int/itu-d/reports/statistics/facts-figures-for-lldc/

www.itu.int

Study Questions for the 2022-2025 study period

Study Questions

ITU-D Study Groups

Study Group 1
Enabling environment for meaningful connectivity

Learn more at
itu.int/itu-d/sites/studygroups

Q1/1	Strategies and policies for the deployment of broadband in developing countries
Q2/1	Strategies, policies, regulations and methods of migration to and adoption of digital technologies for broadcasting, including to provide new services for various environments
Q3/1	The use of telecommunications/ICTs for disaster risk reduction and management
Q4/1	Economic aspects of national telecommunications/ICTs
Q5/1	Telecommunications/ICTs for rural and remote areas
Q6/1	Consumer information, protection and rights
Q7/1	Telecommunication/ICT accessibility to enable inclusive communication, especially for persons with disabilities

Study Questions

ITU-D Study Groups

Study Group 2
Digital Transformation

Learn more at
itu.int/itu-d/sites/studygroups

Q1/2	Sustainable smart cities and communities
Q2/2	Enabling technologies for e-services and applications, including e-health and e-education
Q3/2	Securing information and communication networks: Best practices for developing a culture of cybersecurity
Q4/2	Telecommunication/ICT equipment: Conformance and interoperability, combating counterfeiting and theft of mobile devices
Q5/2	Adoption of telecommunications/ICTs and improving digital skills
Q6/2	ICTs for the environment
Q7/2	Strategies and policies concerning human exposure to electromagnetic fields

ITU-D Study Groups: Scope of work for the 2022-2025 study period

Study Group 1: Enabling environment for meaningful connectivity[1]

- National policy and regulatory aspects of **broadband** telecommunication/ICT development
- **Economic aspects** in the field of national telecommunications/ICTs, including facilitating the implementation of the digital economy and the provision of telecommunication/ICT services, including for rural and remote areas
- National approaches for providing access to **telecommunications/ICTs in rural and remote areas**, with special focus on developing countries, including least developed countries, small island developing states, landlocked developing countries and countries with economies in transition
- Access to telecommunication/ICT services to enable **inclusive communications**, especially for persons with disabilities and persons with specific needs
- Migration and adoption of digital technologies for **broadcasting** for different environments
- Use of telecommunications/ICTs for **disaster risk reduction and management**, particularly in developing countries
- **Consumer information, protection and rights** for telecommunication/ICT services, especially for vulnerable groups.

1 Meaningful connectivity is a level of connectivity that allows users to have a safe, satisfying, enriching and productive online experience at an affordable cost.

Study Group 2: Digital transformation

- Telecommunications/ICTs for **e-services**, including e-health and e-education
- Building **confidence and security** in the use of ICTs
- Using telecommunications/ICTs for monitoring and mitigating the impact of **climate change**, and consideration of circular economy and safe disposal of **electronic waste**
- Combating **counterfeit telecommunication/ICT devices** and **theft of mobile telecommunication devices**
- Implementation of **conformance and interoperability** testing for telecommunication/ICT devices and equipment
- Human exposure to **electromagnetic fields**
- Challenges and prospects for developing countries in the access to **emerging technologies**, platforms, applications and use cases
- Using telecommunications/ICTs to create **smart cities** and the information society
- **Adoption** of telecommunications/ICTs and improving **digital skills**.

For more information:
see Annex 1 of WTDC Resolution 2

Leading quadrennial policy conference to shape the future of digital development.

Setting strategies & objectives.

Developing innovative models of collaboration.

Next WTDC:

17-28 November 2025, in Azerbaijan

ITU Standardisation Work

ITU standardization: Technical foundations

Transport, access and home networks

Multimedia

Service quality
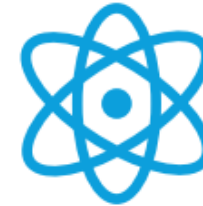
Numbering & emergency comms

Artificial intelligence

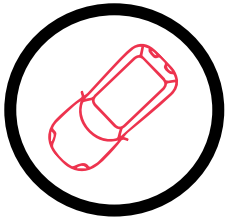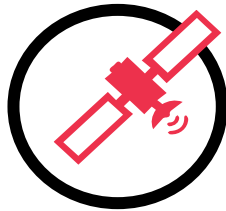Cybersecurity

Internet of Things

Environmental efficiency

Quantum information tech

Accessibility

Welcoming new communities

ITU-T family has been growing over the recent years.
Now it includes a variety of industries:

Automotive Space Fintech IoT/M2M Quantum UAVs OTTs
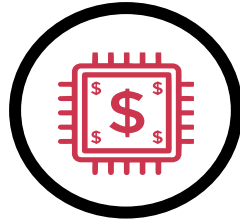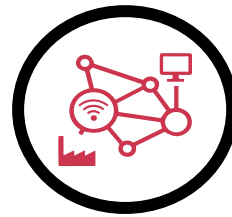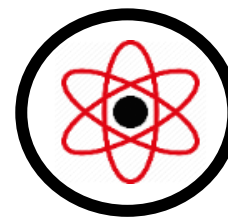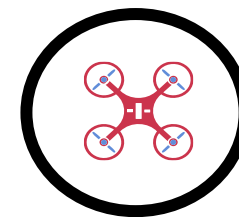
MVNOs/MVNEs Smart cities Utilities Esports LiFi Blockchain IP speed
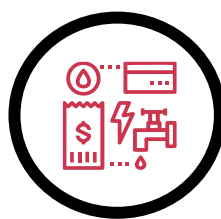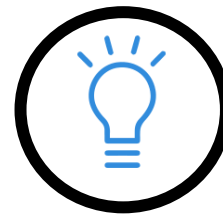
ITU-T standards community
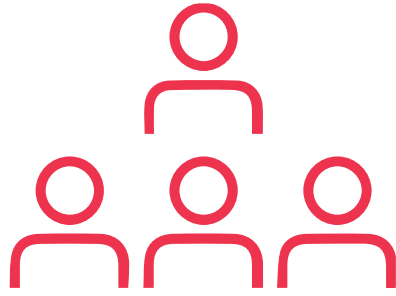
Study Groups

Membership-driven Study Groups develop international standards.

Focus Groups

Open to all interested parties, Focus Groups define new directions in ITU standardization.
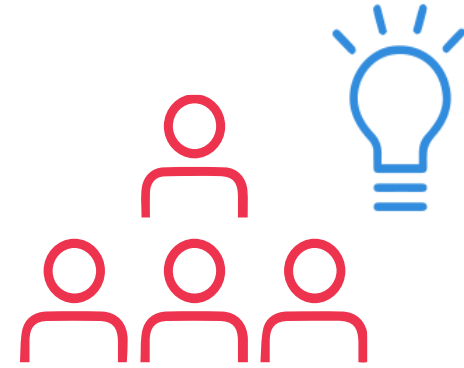
Workshops and symposia

Open-to-all events analyze emerging trends and encourage peer-learning

ITU-T Focus Groups - Open to all

Autonomous Networks
(FG-AN) / SG13

Testbeds Federations
for IMT-2020 & beyond
(FG-TBFxG) / SG11

Metaverse
(FG-MV) / TSAG

AI for Health
(FG-AI4H) / SG16

AI & IoT for Agriculture
(FG-AI4A) / SG20

AI for Natural Disaster
Management
(FG-AI4NDM) / SG2

Cost models for affordable data
services
(FG-CD) / SG3

ITU-T Study Groups

SG2: Operational aspects

SG3: Economic and policy issues

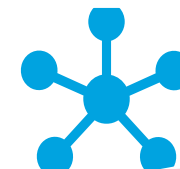SG5: Environment, EMF and circular economy

SG9: Broadband cable and TV

SG11: Protocols, testing & combating counterfeiting

SG12: Performance, QoS and QoE

SG13: Future networks

SG15: Transport, access and home

SG16: Multimedia & digital technologies

SG17: Security

SG20: IoT, smart cities & communities

World Telecommunication Standardization Assembly WTSA-24

- First WTSA-24 in Asia to be held at International Exhibition cum Convention Centre at **Pragati Maidan, New Delhi**

- **14 October 2024**, Global Standardization Assembly **GSS-24**

- **15-24 October 2024**, World Telecommunication Standardization Assembly, **WTSA-24**

- **Side events** – India Mobile Congress (16-18 Oct), Network of Women (17 Oct), WHO-ITU Safe Listening Workshop (17 Oct), AI4GOOD India Impact Summit (18 Oct), Kaleidoscope (21-23 Oct), Robotics for Youth Challenge, Hackathon

- **24 October** UN Day, participation from UNCT
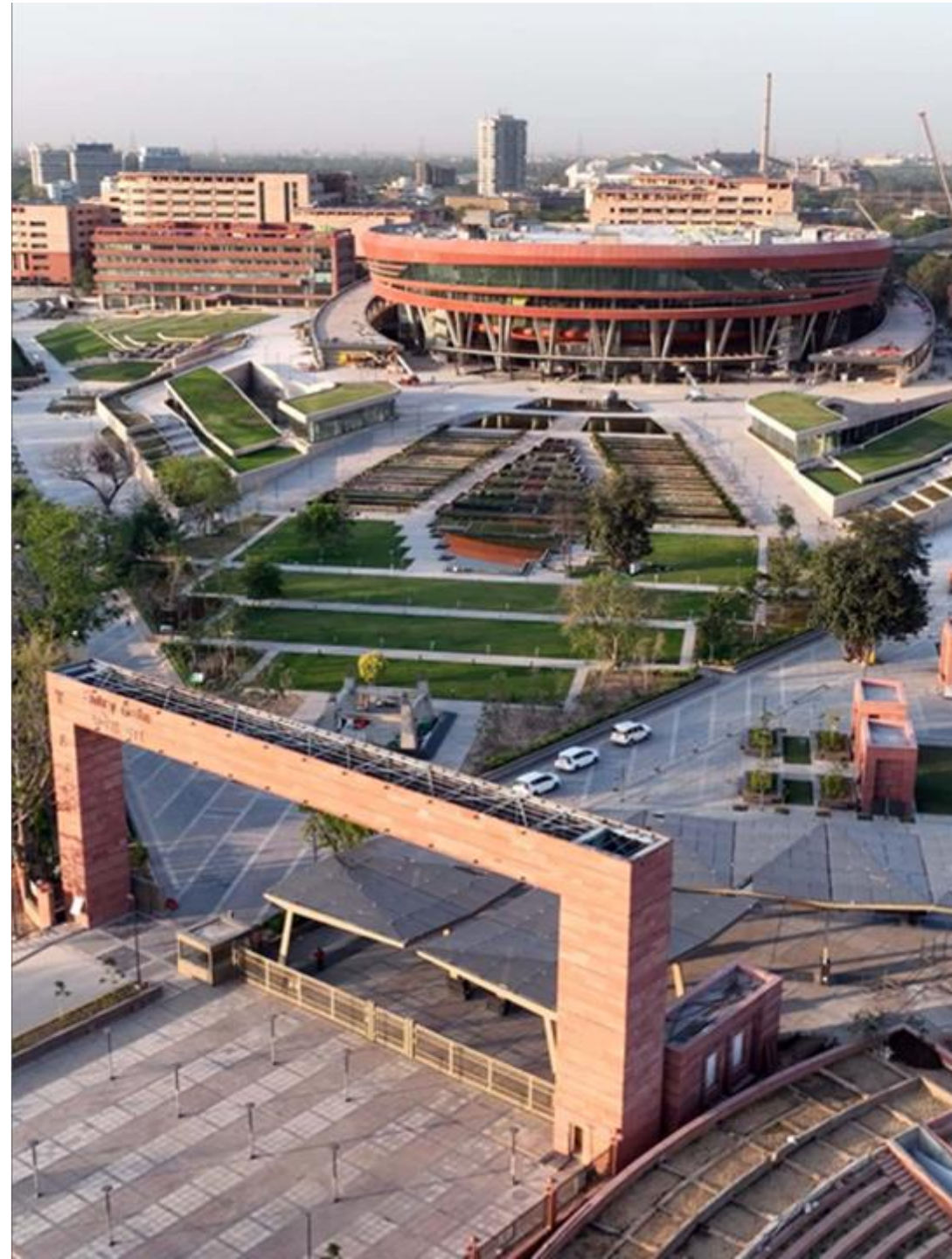
ITU WTSA NEW DELHI 2024

Partner2Connect Digital Coalition

ITU | Partner2Connect

Follow us on social media: **#Partner2Connect**
Visit us on: www.itu.int/partner2connect
Contact us: Partner2Connect@itu.int

2.6 billion people offline in the world in 2023

5.4 billion people online in the world in 2023

Universal connectivity is a central focus for the UN in creating an inclusive and secure digital future. The **UN Secretary-General's Roadmap for Digital Cooperation** prioritizes providing **safe** and **affordable Internet access** to every individual by 2030.

Partner2Connect (P2C) plays a crucial role in implementing this vision by driving collaborative efforts to accelerate connectivity, ensuring that no one is left behind.

P2C Pledges in Asia-Pacific
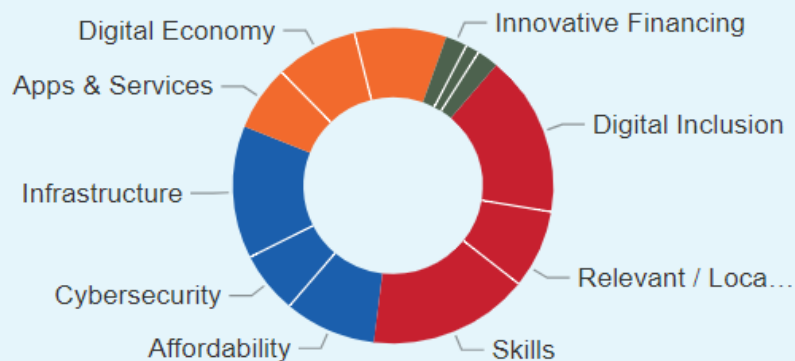
232 Pledges received

$16.66bn Estimated Value

128 Entities

47 Countries of pledge-makers

Pledges by Focus Areas and Pillars

- Digital Economy
- Apps & Services
- Infrastructure
- Cybersecurity
- Affordability
- Skills
- Relevant / Loca…
- Digital Inclusion
- Innovative Financing

- **232 pledges** worth **$16.66 Billion** to be implemented in Asia-Pacific
- Submitted by **128 entities** from government, private sector, NGOs, academia from **47 different countries**
- Pledges' Focus Areas **match** Regional Initiatives' clusters

P2C Focus Areas match Asia-Pacific' RI 2023-2025

ASP 1: Addressing special needs of least developed countries, small island developing states, including Pacific Island countries, and landlocked developing countries

ASP 2: Harnessing ICTs to support the digital economy and an inclusive digital society

ASP 3: Fostering development of infrastructure to enhance digital connectivity

ASP 4: Enabling policy and regulatory environments

ASP 5: Contributing to a secure and resilient environment

Thank You

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