

WORLD TELECOMMUNICATION
DEVELOPMENT CONFERENCE



ITU WTDC
BAKU2025

17–28 November 2025
Baku, Azerbaijan

Regulatory Roundtable

Objectives and priorities for regulators
in the digital era – next generation
regulations- sharing experiences

Session 1: Digital markets and
competition regulation to ensure
fair market conditions in the digital
environment

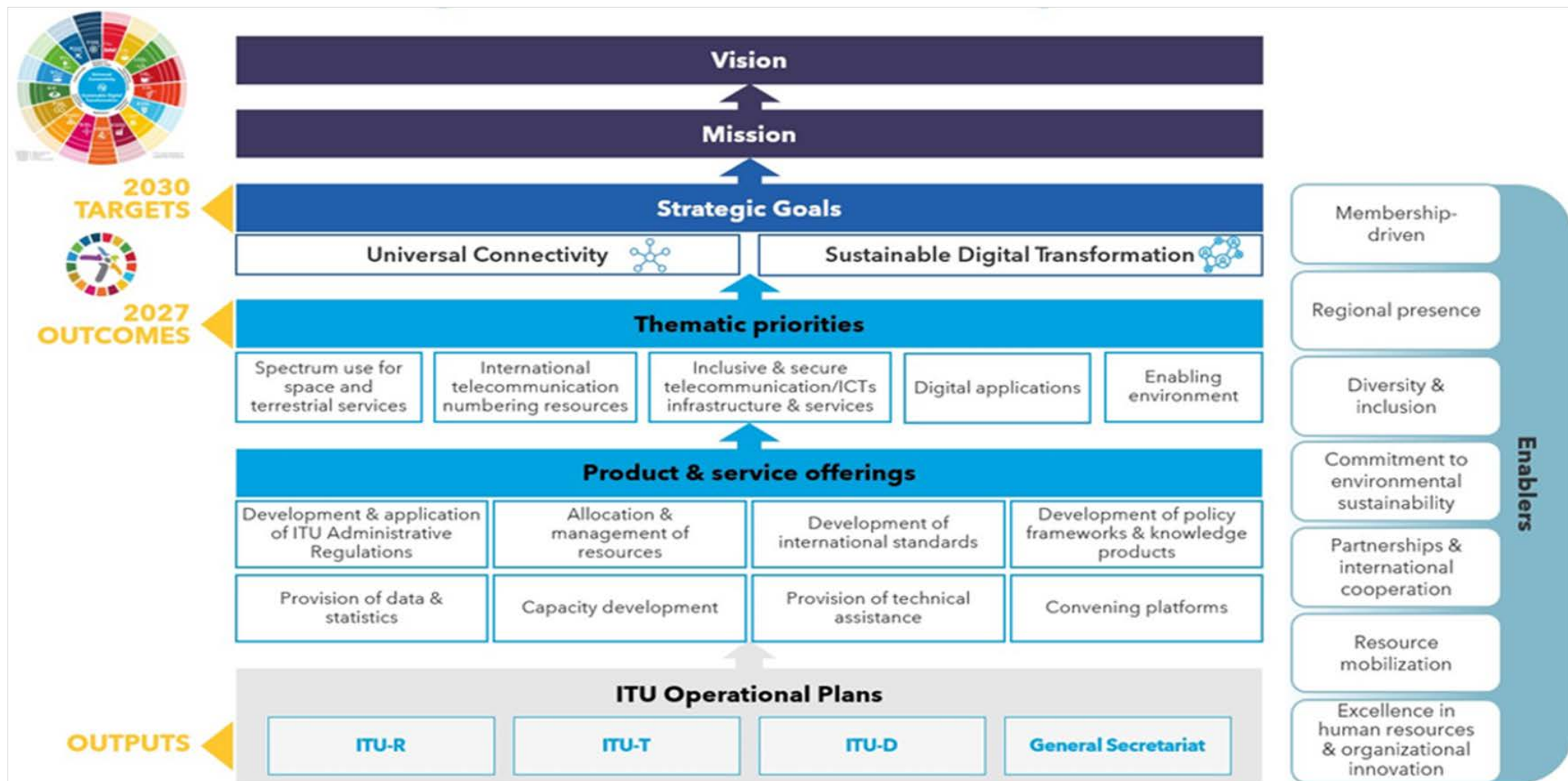


ITU is the oldest United Nations
**Specialized Agency for Digital
Technologies**

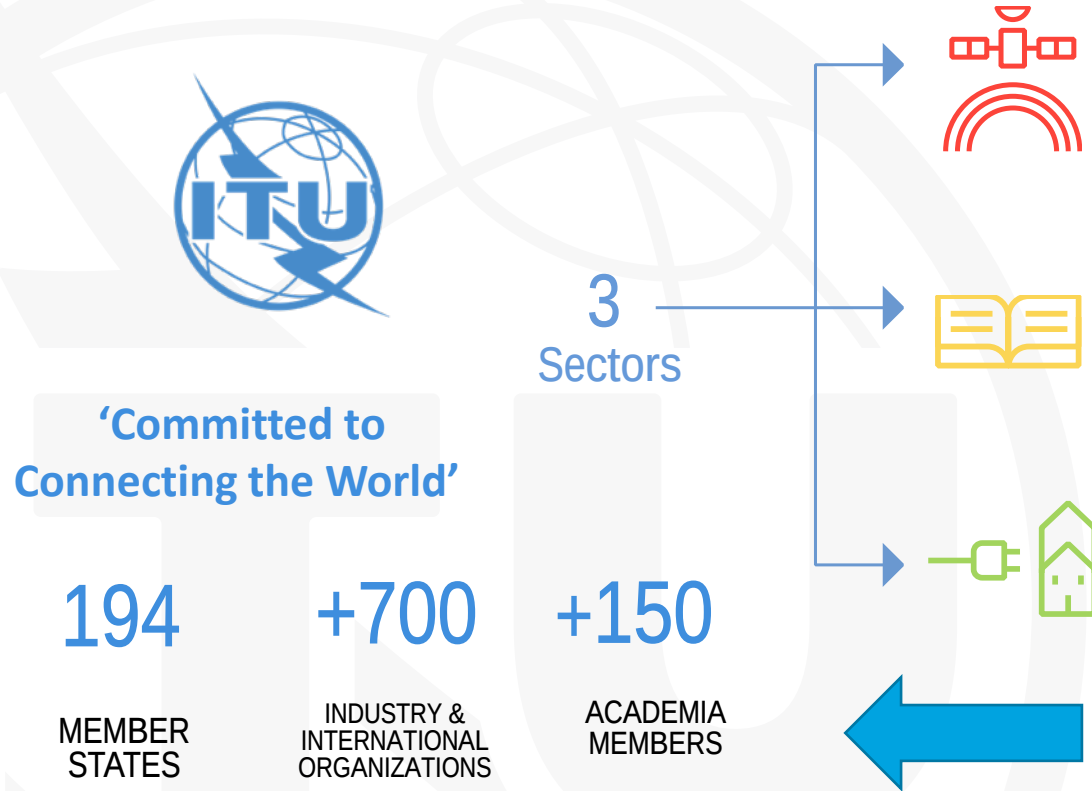


WTDC-22 outcomes fit within the broader ITU framework

ITU Strategic Plan 2024-2027



What we do



ITU Radiocommunication

Coordinating radio-frequency spectrum and **assigning** orbital slots for satellites

ITU Standardization

Establishing global standards

ITU Development

Bridging the digital divide

MEMBERSHIP

Digital Economy and Markets

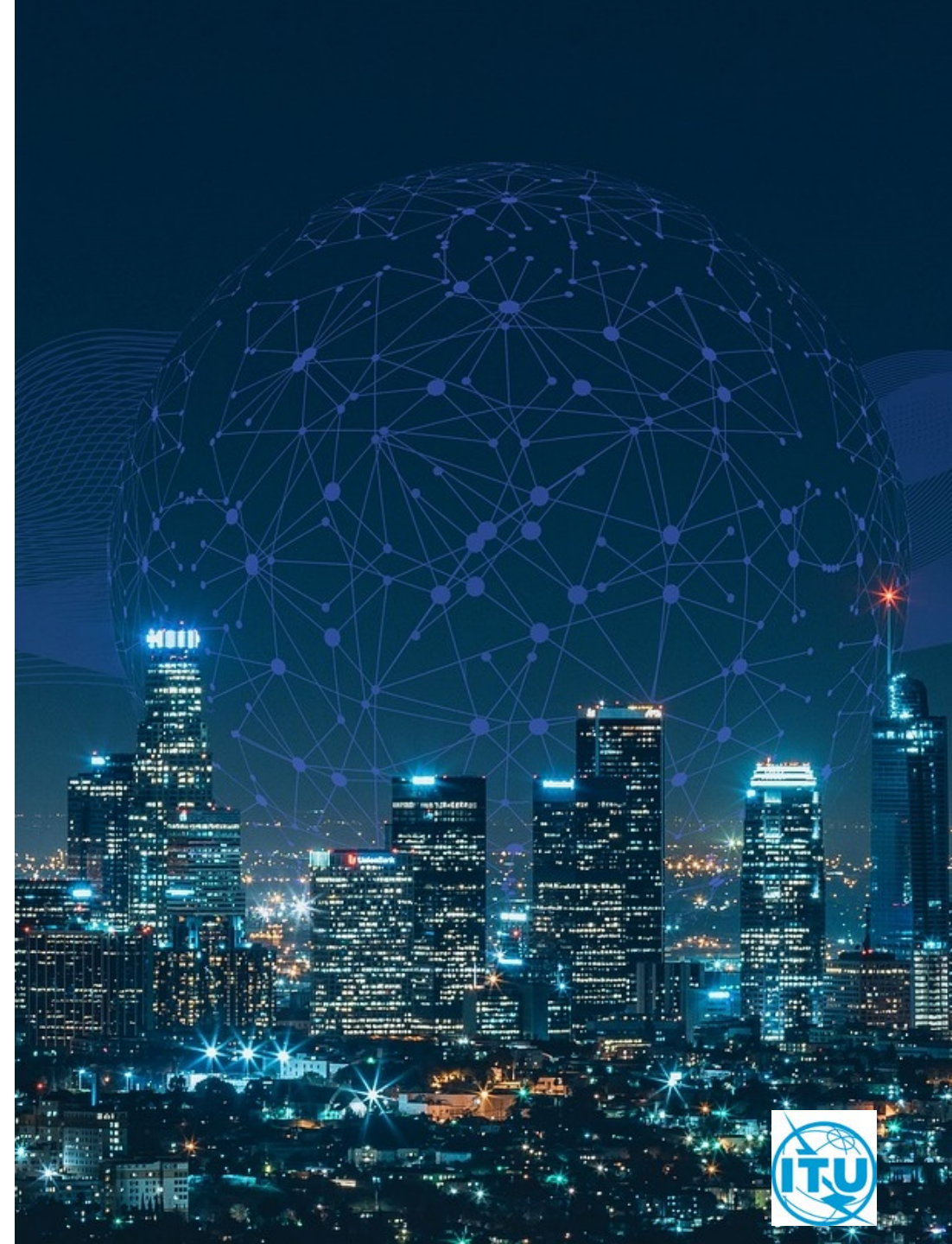
ITU is working on policy and regulatory research, collecting data on the evolution of the Digital Ecosystem and the impact of ICTs on the national and international economy



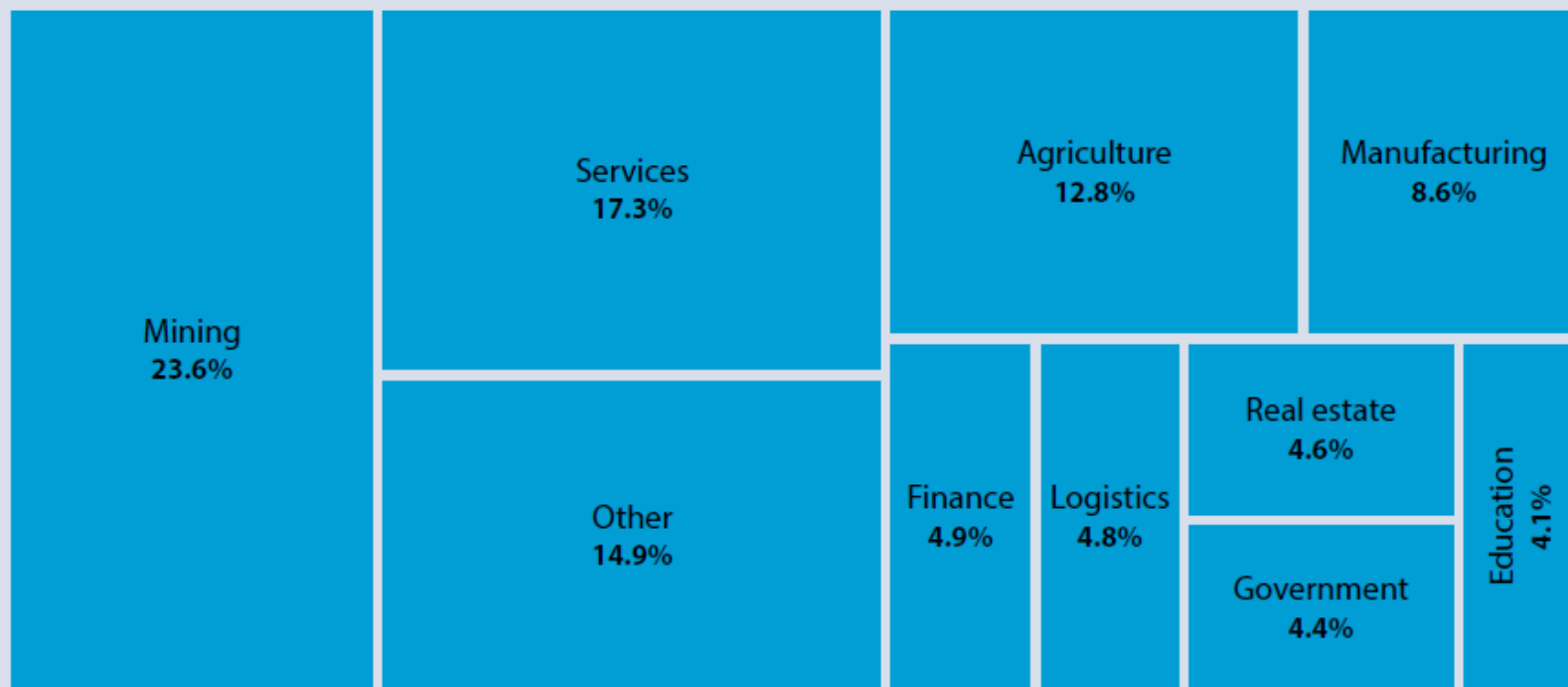
https://www.itu.int/en/ITU-D/Regulatory-Market/pages/collaborative_regulation/app_economy.aspx

The future of digital transformation in Asia-Pacific

- Infrastructure gaps in low-income countries and remote Pacific islands hinder progress.
- Affordability and digital literacy needed for meaningful connectivity.
- Cybersecurity threats, misinformation, and privacy concerns demand urgent action.
- E-waste and rising energy consumption require sustainable ICT policies.

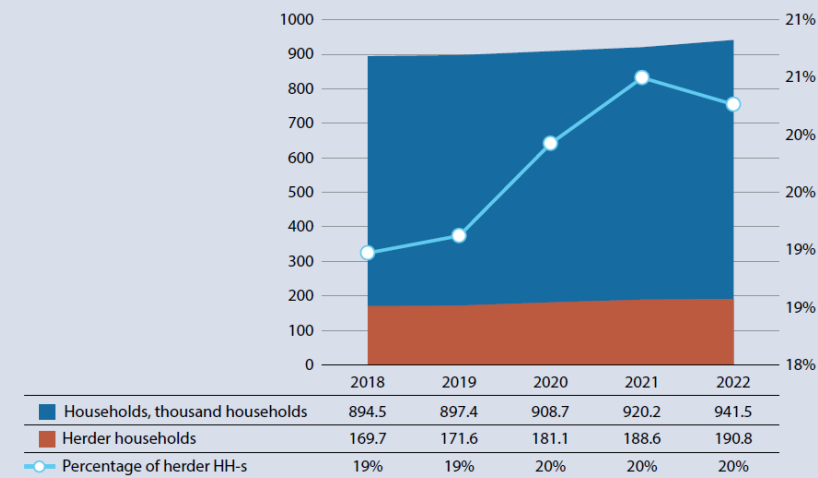


SECTOR-WISE CONTRIBUTION TO MONGOLIA'S GDP.



Source: National Statistics Office (NSO) of Mongolia. Gross Domestic Product. 2023 [6].

OVERALL VS SHARE OF HERDER HOUSEHOLD IN MONGOLIA.



MONGOLIA'S RANK IN INNOVATION INDEX (2020-23).

	GII Position	Innovation Inputs	Innovation Outputs
2020	58th	65th	54th
2021	58th	65th	55th
2022	71st	81st	64th
2023	68th	79th	60th

Source: WIPO. Global Innovation Index. 2023 [34].

Affordability
ICT prices

Mobile data and
voice low-
consumption
basket

0.69%

% GNI per capita
2024

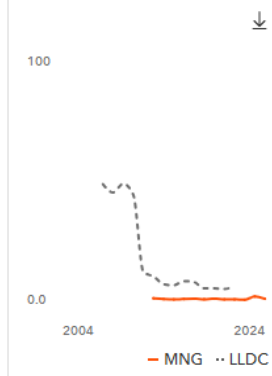


Affordability
ICT prices

Fixed-broadband
Internet basket

2.12%

% GNI per capita
2024

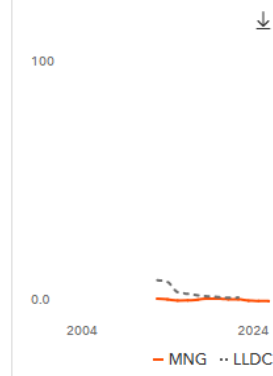


Affordability
ICT prices

Data-only mobile
broadband
basket

1.16%

% GNI per capita
2024

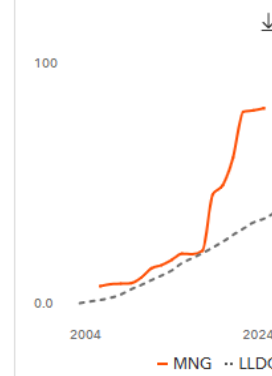


Connectivity
Use

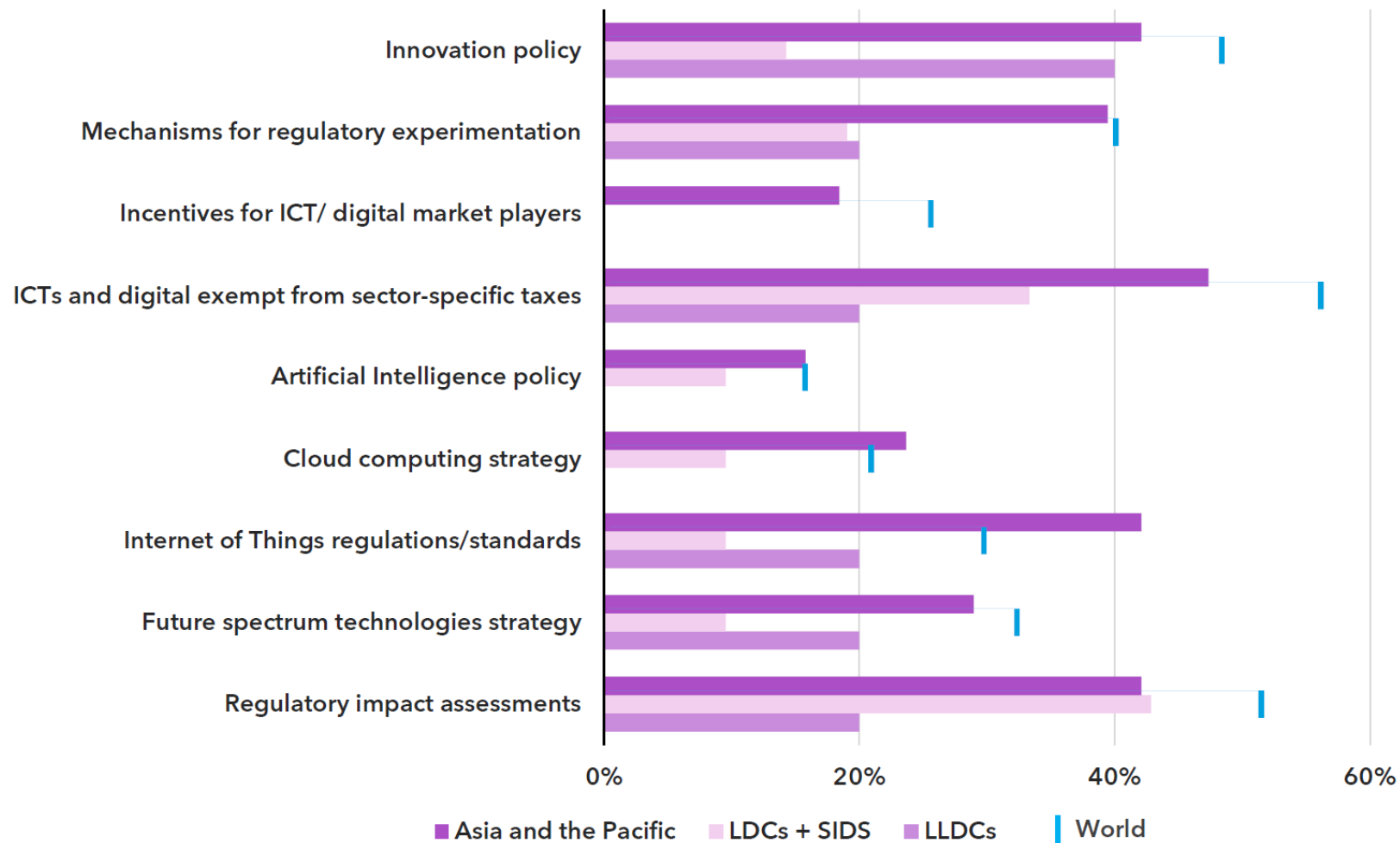
Individuals using
the Internet

83%

%
2023



Enabling environment for emerging technologies, Asia and the Pacific, 2023



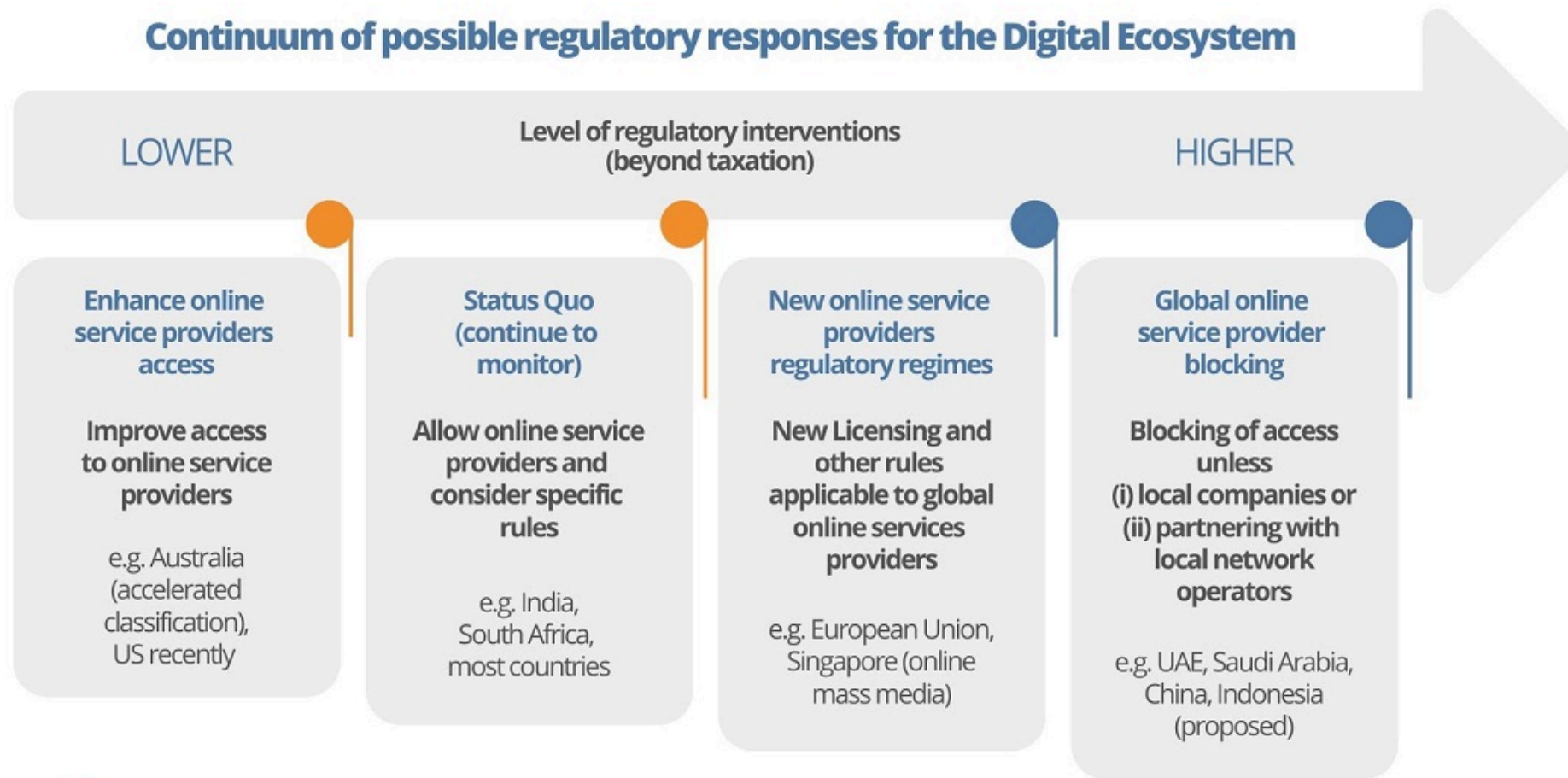
Source: ITU, State of digital development and trends in Asia and the Pacific: Challenges and opportunities



Note: The regions' average scores for key indicators in the national digital agenda, legal instruments for digital markets, stakeholder engagement and good governance under the ITU Unified Framework are compared to the averages for LDCs and SIDS (combined) and for LLDCs in the region, and to the world average.

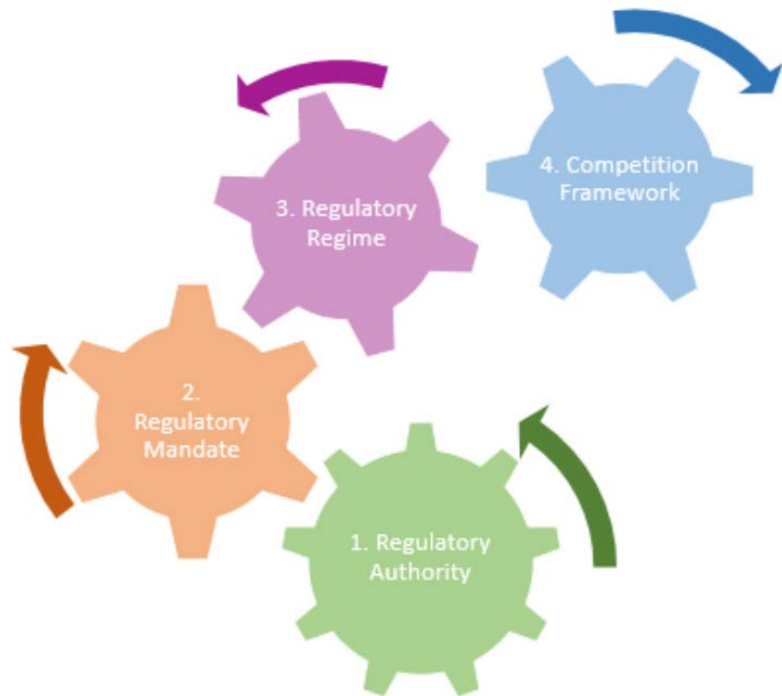
Continuum of possible regulatory responses for the New Digital Ecosystem

Continuum of possible regulatory responses for the Digital Ecosystem



https://www.itu.int/en/ITU-D/Regulatory-Market/pages/collaborative_regulation/app_economy.aspx

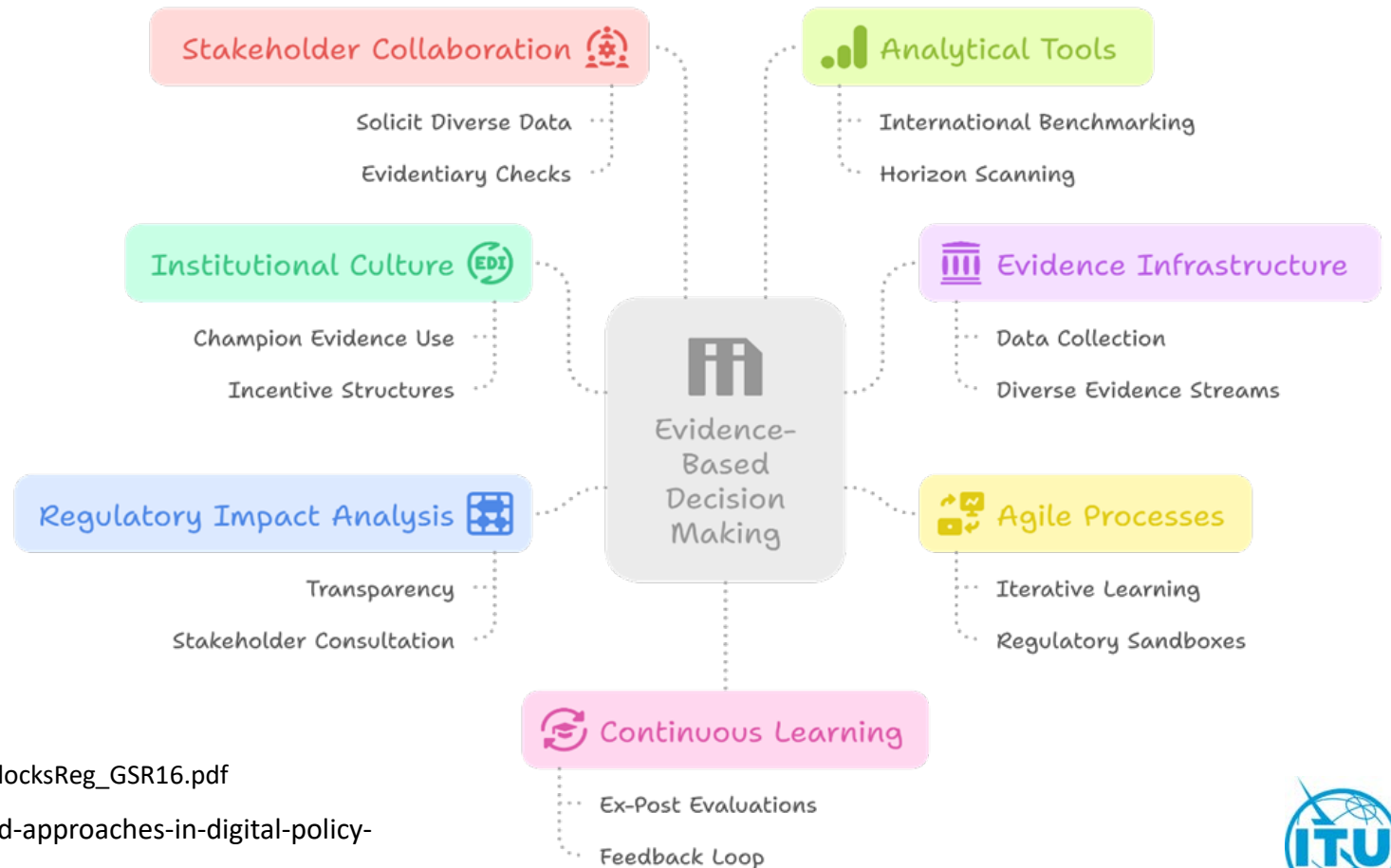
Guidelines for ICT regulators to apply evidence-based decision making



https://www.itu.int/en/ITU-D/Conferences/GSR/Documents/ITU_BuildingBlocksReg_GSR16.pdf

<https://digitalregulation.org/evidence-based-approaches-in-digital-policy-regulation-and-governance/>

Guidelines for ICT Regulators in Evidence-Based Decision Making



Digital Economy – AI Driven Economy

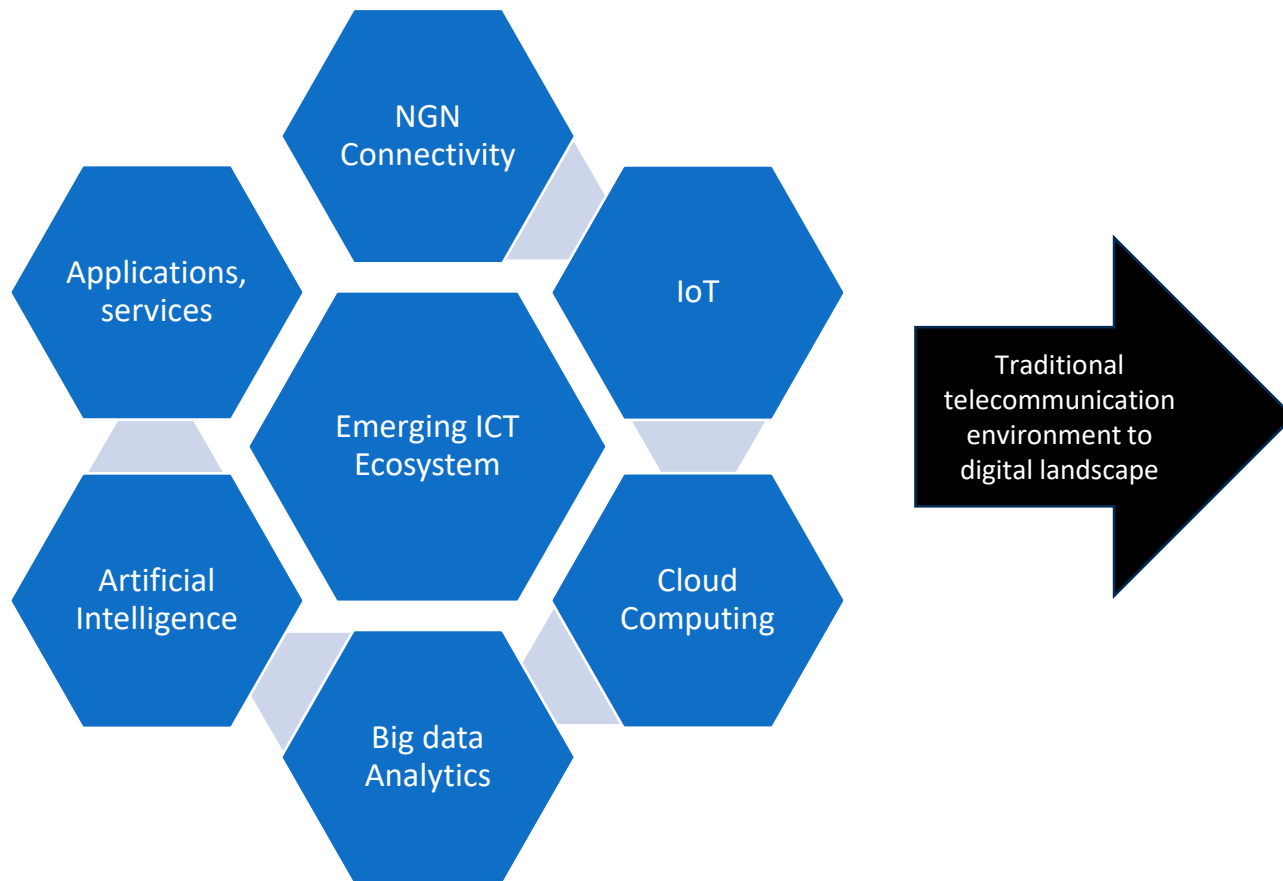
A guide towards collaborative AI frameworks

<https://digitalregulation.org/a-guide-towards-collaborative-ai-frameworks/>

National AI Governance Framework Development



Factors influencing the optimal strategic infrastructure development path



OECD: The core underpinnings of digital transformation merit dedicated policy attention

	Connectivity and infrastructure
	Data and data flows
	AI and emerging technologies
	Safety and security
	Measurement

STARTING POINT

- population, income, geographic
- existing infrastructure
- mobile, broadband penetration

STRATEGIC INFRASTRUCTURE DEVELOPMENT PATH

- new technologies
- regulatory innovation
- economic development
- carriers and competition
- changing consumer behaviour

PLANNING TARGETS

- infrastructure targets
- mobile, broadband penetration targets
- access targets

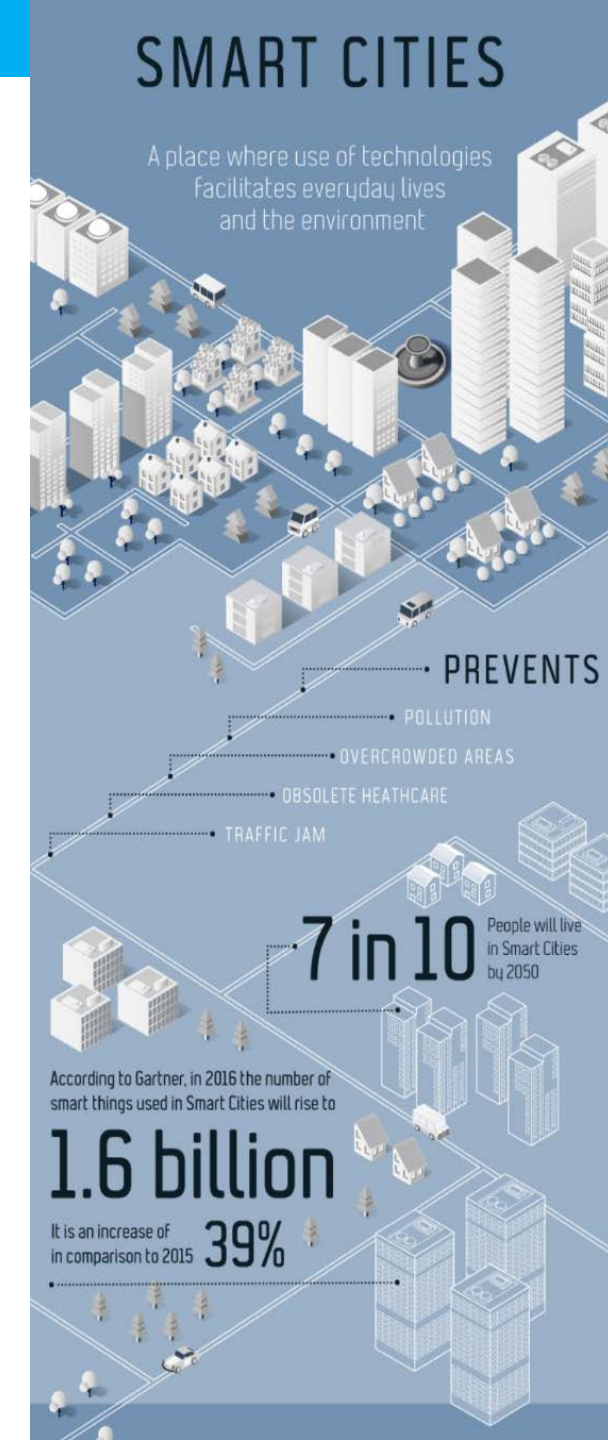
Source: ITU (Digital Regulation Handbook; ITU Publication: Digital Infrastructure Policy and Regulation in the Asia-Pacific Region; [OECD - digital-transformation](#))

Implementation of comprehensive and technology-specific digital strategies

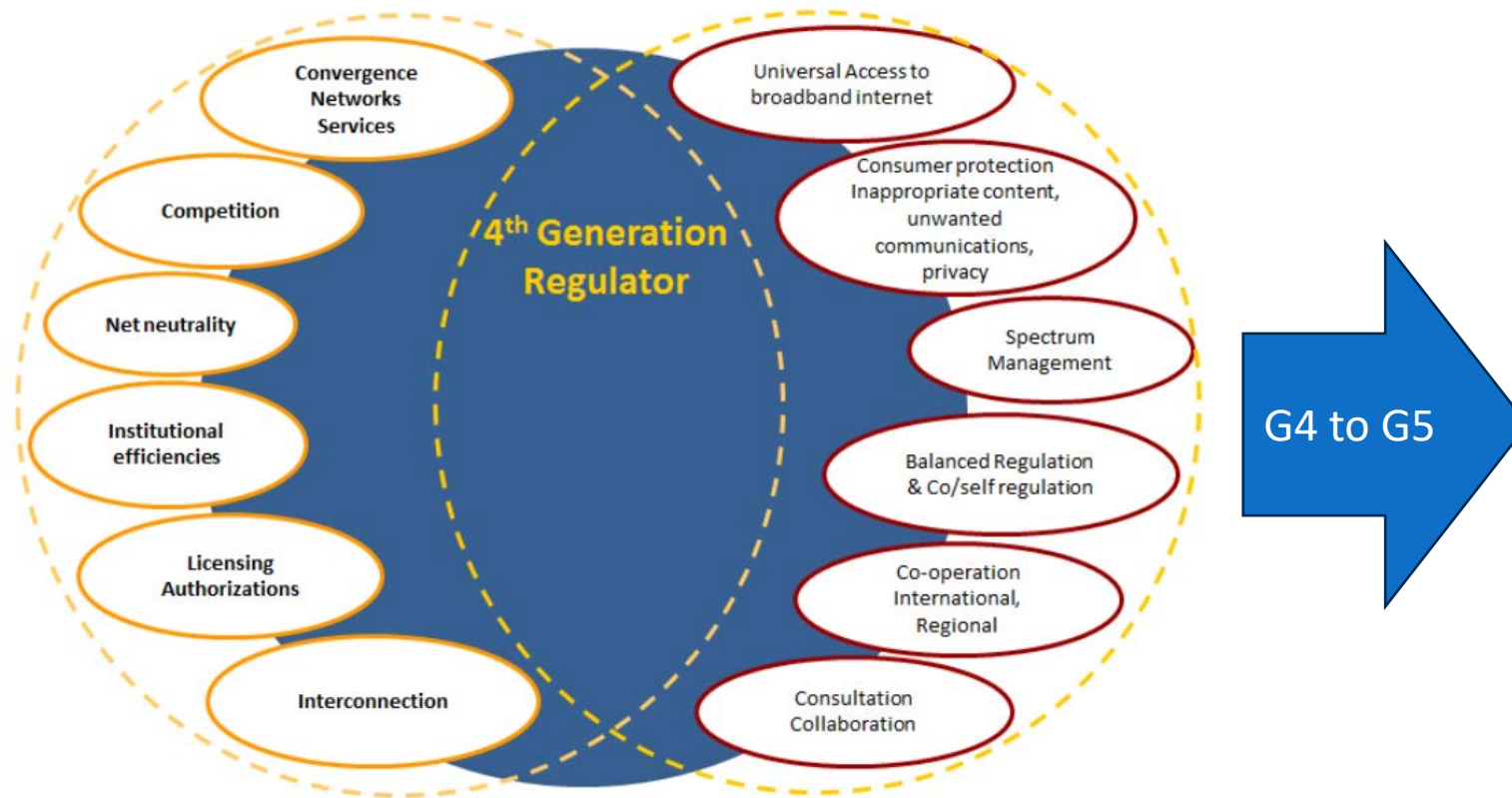
Digital economy – Smart Sustainable Cities

“A smart sustainable city is an innovative city that uses ICTs and other means to improve quality of life, efficiency of urban operation and services, and competitiveness, while ensuring that it meets the needs of present and future generations with respect to economic, social, environmental as well as cultural aspects”

Source: ITU Publication: Digital Infrastructure Policy and Regulation in the Asia-Pacific Region



Moving from 4th Generation Regulation to Collaborative Regulation



Collaborative regulation design principles

ITU core design principles for collaborative regulation (GSR-19)

Policy and Regulation should be

1. Holistic, employing approaches such as cross-sectoral collaboration, co-regulation, and self-regulation.
2. Consultation- and collaboration-based.
3. Evidence-based.
4. Outcome-based.
5. Incentive-based.
6. Adaptive, balanced, and fit for purpose.
7. Focus on building trust and engagement.

Source: [Global Symposium for Regulators \(GSR\) 2019 Best Practice Guidelines](#)

World Telecommunication Development Conference 2025 (WTDC-25)



The World
Telecommunication
Development Conference
2025 (WTDC-25) will be
hosted by the Government
of Azerbaijan in Baku from
17 to 28 November 2025
under the theme
“Universal, meaningful, and
affordable connectivity for
an inclusive and sustainable
digital future”.

Practical Information: <https://wtdc2025.az/>

Thank You



Contact Us

ITU Regional Office for Asia and
the Pacific:

ITU-ro-asiapacific@itu.int



X URL:
<https://twitter.com/ITUAsiaPacific>
Official X account:
[@ITUAsiaPacific](https://twitter.com/ITUAsiaPacific)

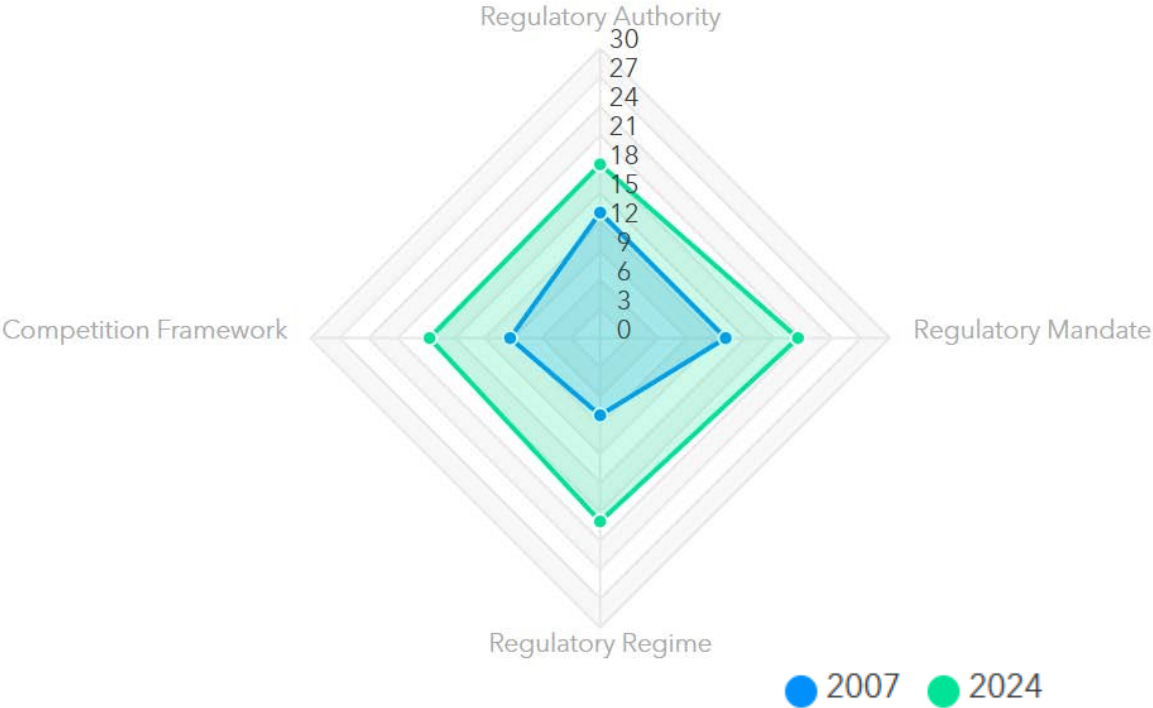


Official LinkedIn account:
ITU Regional Office
for Asia and the Pacific

Maturity of Telecom/ICT Regulation

ICT Regulatory Tracker

75.17

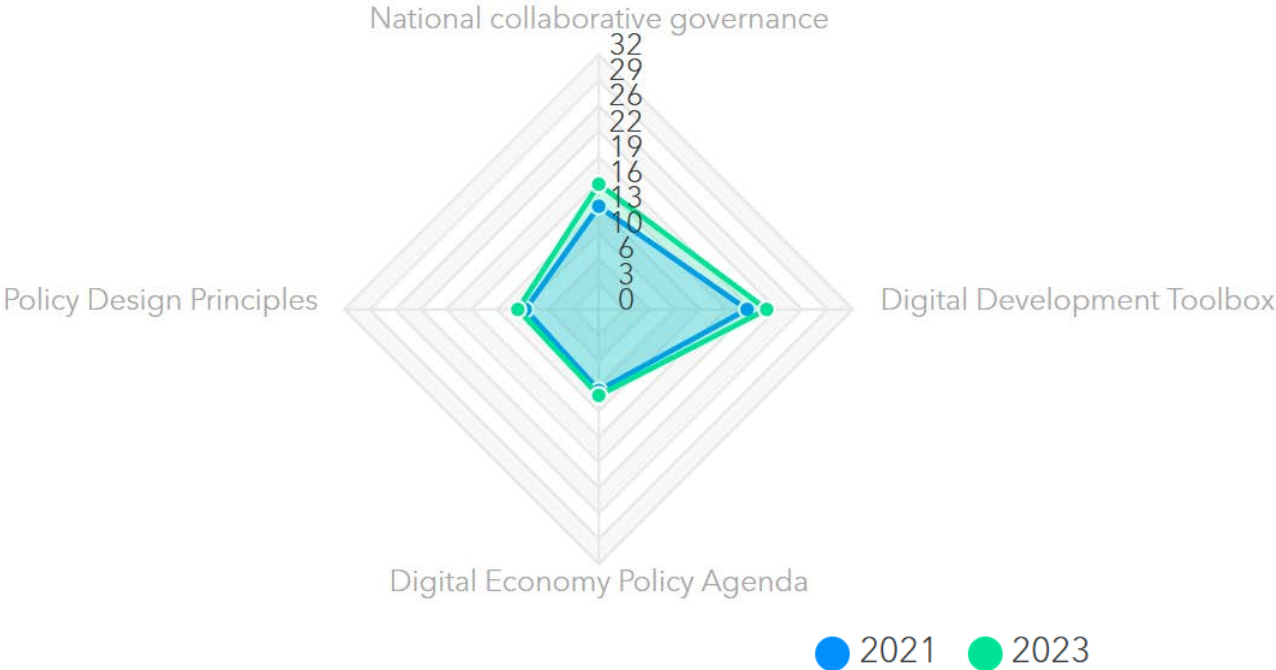


National Digital Policies, Legal and Governance Frameworks



Collaborative Digital Regulation
G5 Benchmark

57.87



Generations of regulation model

Enabling digital transformation through policy, regulation and collaborative governance



ITU Implementing the Global Digital Compact

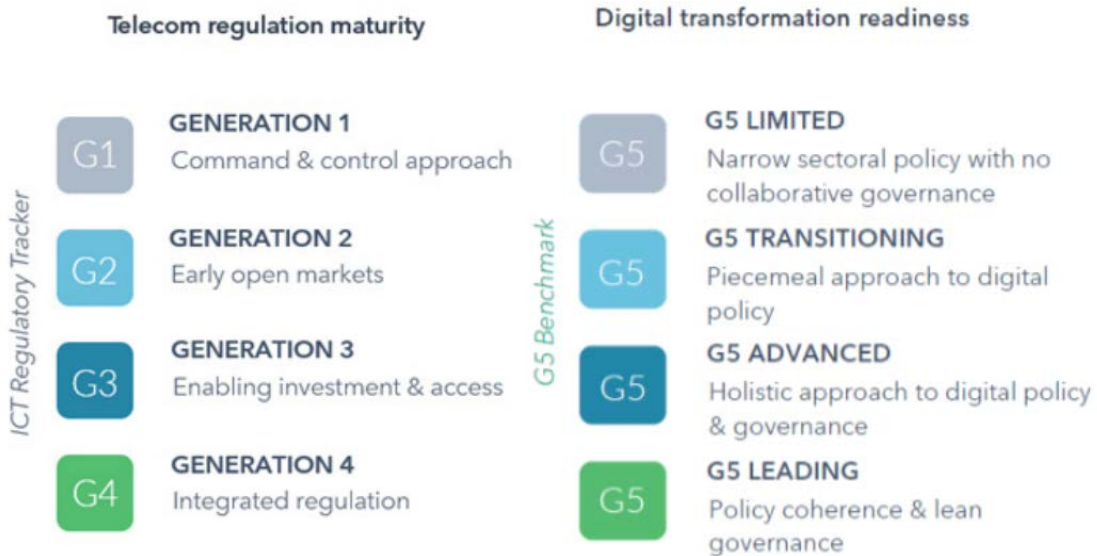
- **ITU's Action Plan:** Aligning with the GDC to enhance digital standards, connectivity, and sustainability through ITU's existing and new initiatives, including WSIS Action Lines and WSIS+20.
- **Key ITU Contributions:** Focused on closing digital divides, advancing AI standards, promoting human rights, and building digital capacity.
- **WSIS+20 Review (2025):** Will assess digital progress and align WSIS with the GDC, with ITU and United Nations Group on the Information Society for Digital Transformation (UNGIS) leading the process.
- **ITU's UN Engagement:** Active in the UNSG's Steering Committee for the Pact and co-chairs the Working Group on Digital Technologies.
- **Geneva Digital Kitchen:** Fosters collaboration with Geneva-based organizations to support GDC implementation.
- **Commitment to Digital Transformation:** ITU advances GDC principles to accelerate SDGs and build a sustainable, inclusive digital future.



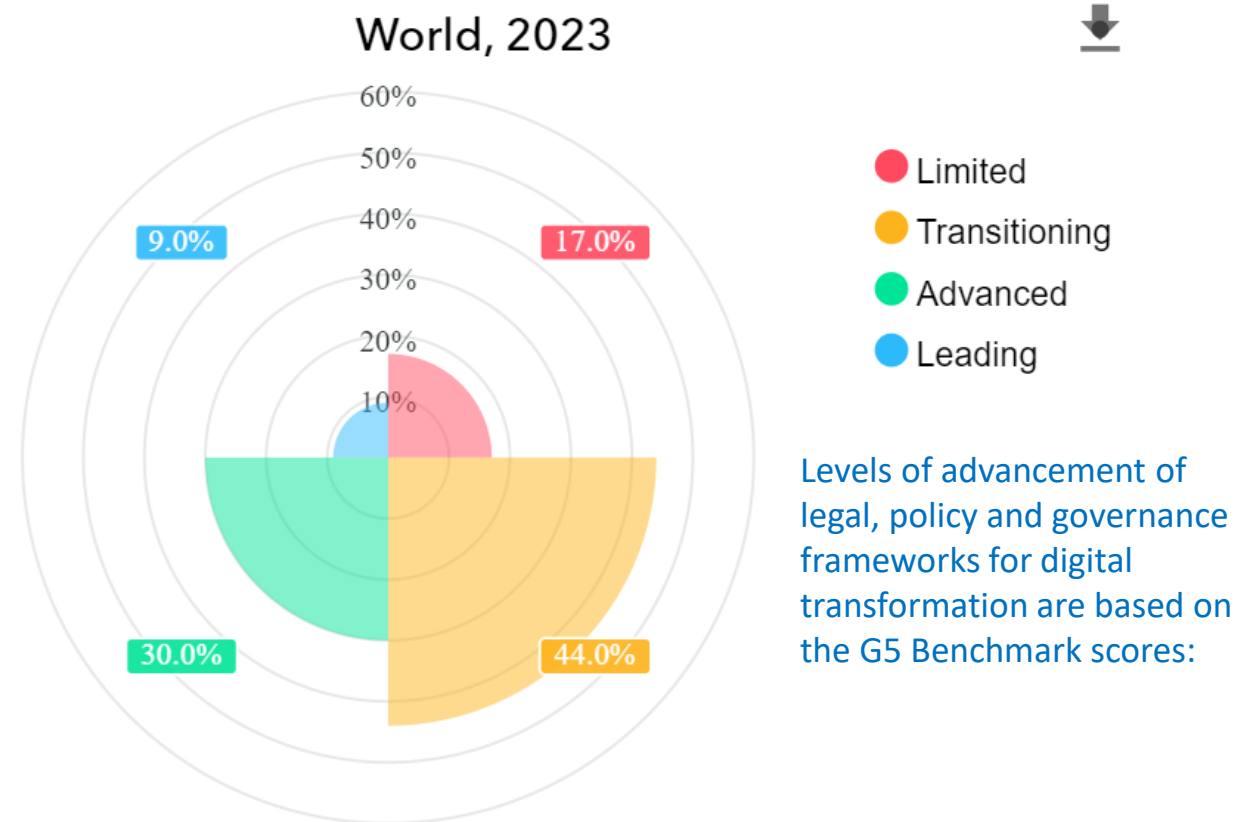
Generations of Regulation – ICT Regulatory Tracker

Fifth-generation (G5) collaborative digital regulation - A new approach to assess regulation to support the advancement of digital transformation

- Pillar I: National collaborative governance
- Pillar II: Policy design principles
- Pillar III: Digital development toolbox
- Pillar IV: Digital economic policy agenda



Evolution of the generations of ICT regulation worldwide



Source: ITU

ITU capacity development resource to support digital skills

OUR RESOURCES

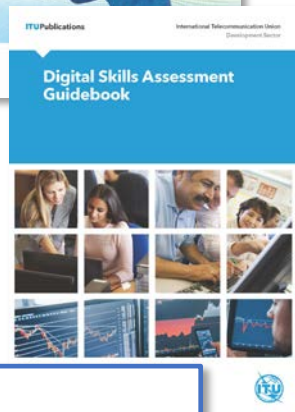
DIGITAL SKILLS INSIGHTS

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



DIGITAL SKILLS TOOLKIT

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



OUR DIGITAL SKILLS INITIATIVES



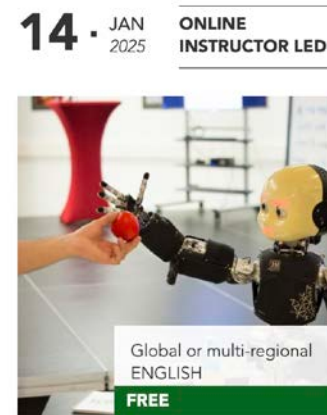
Main online gateway to ITU's capacity development activities



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



Artificial intelligence for the public sector

[Click here to access training](https://academy.itu.int/)



Digital Transformation Centres

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

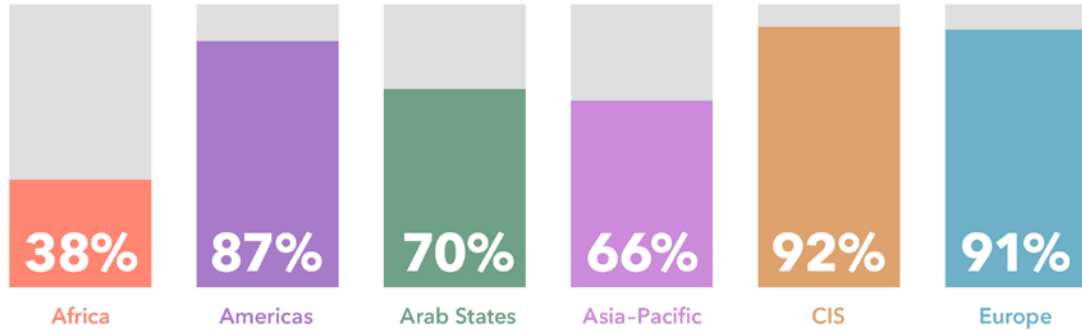
Name of institution	Country
ICT Training and Development Center (BPPTIK)	Indonesia
Virtual University of Pakistan	Pakistan
Papua New Guinea University of Technology (UNITECH)	Papua New Guinea
Department of Information and Communication Technology (DICT)	The Philippines



For more information visit: <https://academy.itu.int/>

Internet use by region*

Percentage of individuals using the Internet in 2024

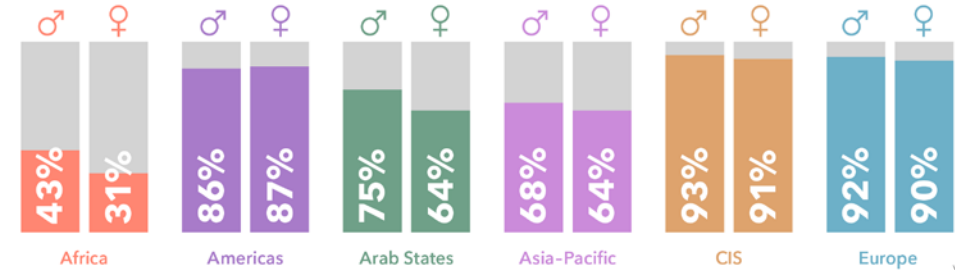
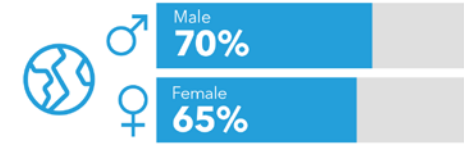


Source : ITU, Facts and Figures 2024
www.itu.int/factsandfigures2024/
 *ITU-D regions



Global gender gap

Percentage of individuals using the Internet in 2024

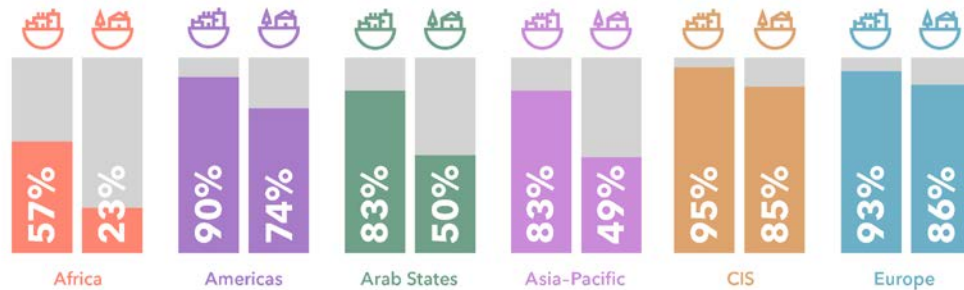
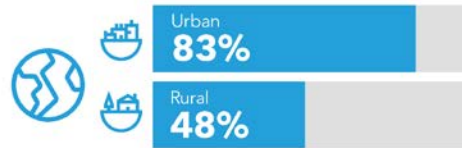


Source : ITU, Facts and Figures 2024
www.itu.int/factsandfigures2024/
 Note : ITU-D regions



Urban/rural divide

Percentage of individuals using the Internet in 2024

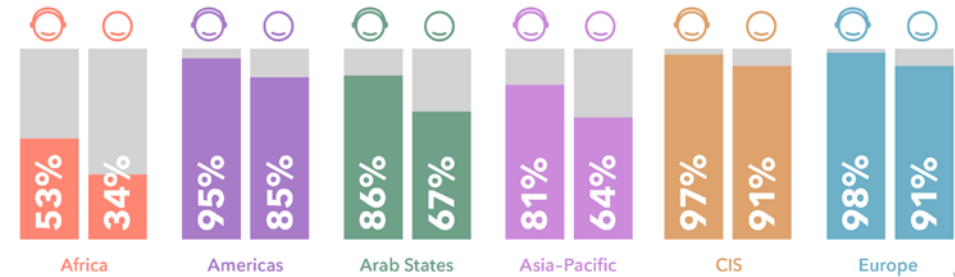
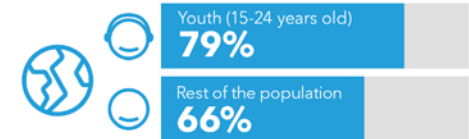


Source : ITU, Facts and Figures 2024
www.itu.int/factsandfigures2024/
 Note : ITU-D regions



Digital generational gap

Percentage of individuals using the Internet in 2024



Source : ITU, Facts and Figures 2024
www.itu.int/factsandfigures2024/
 Note : ITU-D regions



ITU Regional Initiatives 2023-2025

Asia and the Pacific

ASP1

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

ASP2

Harnessing information and communication technologies to support the digital economy and inclusive digital societies

ASP3

Fostering development of infrastructure to enhance digital connectivity and connecting the unconnected

ASP4

Enabling policy and regulatory environments to accelerate digital transformation

ASP5

Contributing to a secure and resilient ICT environment

Learn more at
www.itu.int/AsiaPacific

Thematic priorities

ICTs now form the backbone of today's digital economy. As an **ITU-D** member, you can partner with member states, local partners and academia, **maximizing our unique contributions to the SDGs.**



CAPACITY DEVELOPMENT

Develop skills and knowledge to become a competent digital citizen



CYBERSECURITY

Facilitating a trusted cyberspace for all



DIGITAL INCLUSION

Ensuring inclusive, equal access and use of ICTs for all



DIGITAL INNOVATION ECOSYSTEMS

Unlock the potential to accelerate digital transformation of society



DIGITAL SERVICES AND APPLICATIONS

Delivering digital solutions to improve well-being and catalyze development



EMERGENCY TELECOMMUNICATIONS

Disaster-resilient ICT infrastructure for saving lives and reducing damages



ENVIRONMENT

Creating a Circular Economy for Electronics through the Management of E-waste



NETWORK AND DIGITAL INFRASTRUCTURE

Reliable Connectivity to Everyone



POLICY AND REGULATION

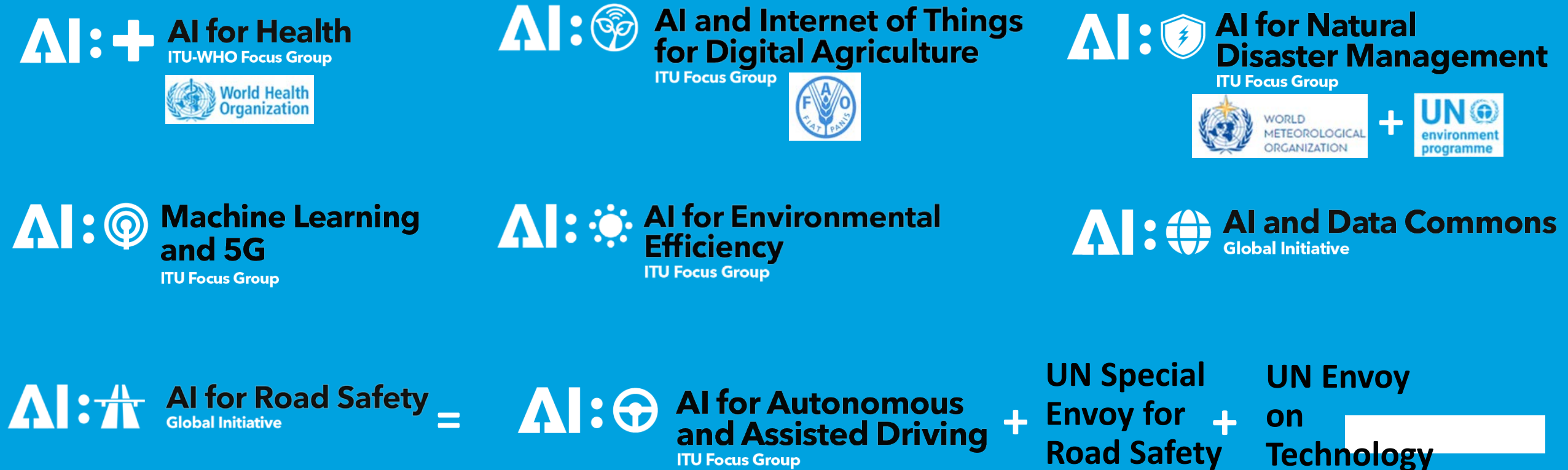
Enabling policy and regulatory frameworks for digital development



STATISTICS

Data and analytics: taking the pulse of the information society

AI-Related Focus Groups & Initiatives



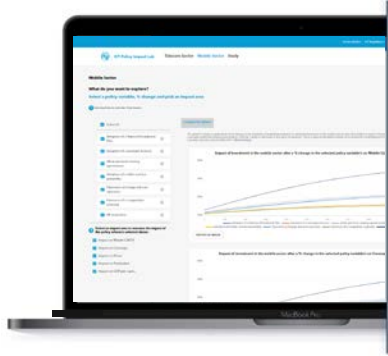
Our thematic priorities

10

-  Networks & digital infrastructure
-  Cybersecurity
-  Emergency telecommunications
-  Digital policy & regulation
-  Digital innovation ecosystems
-  Capacity development
-  Statistics
-  Digital services & applications
-  Digital inclusion
-  Environment

Digital Regulation

Use our data to inform your decisions & track your growth



G5 Accelerator

ICT Regulatory Tracker

G5 Benchmark

ICT Policy Impact Lab

Share your experiences and see what works and where

Global Symposium for Regulators

Regulatory Associations Portal

ITU Digital Ecosystem Portal

ITU Infrastructure Development and Connectivity Portal
and more...

ITU Global Symposium for Regulators (GSR) 2023

ITU GSR
SHARM EL-SHEIKH 2023

Best Practice Guidelines
Regulatory and economic incentives for an inclusive sustainable digital future


Dr. Carlos Luyken Zayas
Executive Director (ITU)
International Telecommunication Union (ITU)

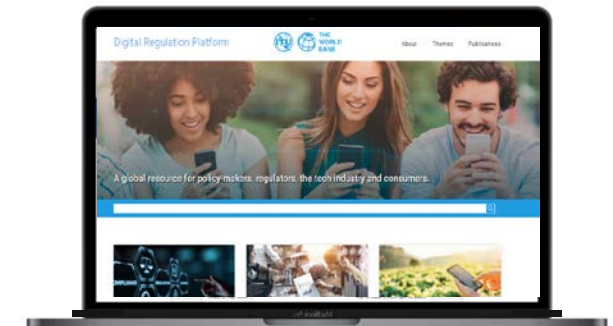
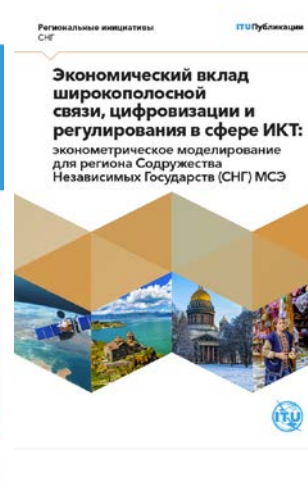

Eng. Hassan El Gamal
Executive President and CEO of the
National Telecom Regulatory Authority (NTRA)
Egyptian Telecom Regulator

The future of sustainable and inclusive digital transformation will depend on the right regulatory and economic incentives, encouraging innovation, creating a level playing field for all stakeholders, will foster social welfare and economic growth contributing to a better digital future for all.

Digital has become increasingly important in today's society. The lack of connectivity, inclusive access to and adoption of digital services can be a significant barrier to socio-economic development, making regulatory and economic incentives essential to stimulating sustainable infrastructure deployment, innovative solutions, and affordable use.

5-6 June 2023 | Sharm El Sheikh, Egypt

Read our research on best practices related to all current and future challenges



The digital regulation interactive platform



<https://www.itu.int/itu-d/sites/regulatory-market/>

ITU Resources - Appendix

Toolkits, Reports and Frameworks for Digital Transformation Strategies
(a limited view)

AI, ICT Infrastructure, Cyber Security, Green ICTs, Digital Skills, Research & Innovation, Policy & Regulation, Digital Inclusion, Emergency Communication, Spectrum, Business Models



Digital Transformation Enablers	Key Products and Resources
Artificial Intelligence	• Emerging Technology trends: AI and big data for development 4.0 • Transformative Technologies (AI) challenges and principles of Regulation • AI Ready – Analysis Towards a Standardized Readiness Framework Version 1.0 September 2024 • AI and the Environment - International Standards for AI and the Environment 2024 Report • Crowdsourcing AI and Machine Learning solutions for SDGs ITU AI/ML Challenges 2024 Report • AI for Good Global Summit Snapshot report • AI for Good-Innovate for Impact Final Report 2024
	• Advanced intelligent transport systems radiocommunications Report ITU-R M.2228 • Intelligent transport systems Recommendation ITU-R M.1890 • Intelligent Transport System ITU-R Land Mobile Handbook Vol.4 • Improvement of national radio spectrum management practices and techniques Resolution ITU-R 22-4 • Spectrum monitoring evolution Report ITU-R SM.2355 • Technical and operational guidelines for earth stations on mobile platforms communicating with geostationary space stations in the fixed-satellite service in the frequency bands 19.7-20.2 GHz and 29.5-30.0 GHz Report ITU-R S.2357 • Broadband access by fixed-satellite service systems Report ITU-R S.2361 • Studies on implementation and use of CRS (Cognitive Radio Systems) Resolution ITU-R 58-1 • Definitions of Software Defined Radio (SDR) and Cognitive Radio System (CRS) Report ITU-R SM.2152 • Spectrum management principles, challenges and issues related to dynamic access to frequency bands by means of radio systems employing cognitive capabilities Report ITU-R SM.2405 • Introduction to cognitive radio systems in the land mobile service Report ITU-R M.2225 • Cognitive radio systems specific for International Mobile Telecommunications systems Report ITU-R M.2242 • Cognitive radio systems (CRSs) in the land mobile service Report ITU-R M.2330 • Studies to achieve harmonization for SRDs Resolution ITU-R 54-2 • Studies related to wireless systems and applications for the development of the Internet of Things Resolution ITU-R 66 • Broadcast emission: Network planning, System monitoring and diagnosis • Artificial intelligence systems for programme production and exchange Report ITU-R BT.2447

Digital Transformation Enablers	Key Products and Resources
Artificial Intelligence	• Towards natural disaster management: ITU-T Focus Group on Artificial Intelligence for Natural Disaster Management AI for communications - Technical Report (02/2023) : Technical Report – AI for Communications: Towards Natural Disaster Management (itu.int) FG-AI4NDM deliverable: • Focus Group on Artificial Intelligence for Natural Disaster Management FG-AI4NDM WG-Modeling FG-AI4NDM deliverable: Technical Report – AI for Communications: Towards Natural Disaster Management (itu.int) • Disaster Management: The Standards Perspective (ITU/WMO/UNEP Focus Group on AI for Natural Disaster Management (FG-AI4NDM)) • Technical Report on Transformative AI Models for Natural Disaster Management FG-AI4NDM deliverable: Technical Report – AI for Communications: Towards Natural Disaster Management (itu.int)
	• Detecting deepfakes and generative AI: Report on standards for AI watermarking and multimedia authenticity workshop • 2024 AI Standardization Roundtable Report: The future of AI, regulation and industry development • Glossary - Artificial Intelligence (AI) and Internet of Things (IoT) for Digital Agriculture ITU-T Focus Group (FG-AI4A) FG-AI4A WG-GLOSS – Artificial Intelligence (AI) and Internet of Things (IoT) for Digital Agriculture (itu.int)
	• Ethical Legal, and regulatory Considerations relating to the use of AI for agriculture: A European Perspective Working Group: Ethical, Legal, and regulatory Considerations relating to the use of AI for agriculture FG-AI4A Deliverable: Technical Report on “Ethical Legal, and regulatory Considerations relating to the use of AI for agriculture”: A European Perspective (itu.int) • Data Modelling for digital agriculture Working Group: Data Modelling for digital agriculture FG-AI4A Deliverable: Technical Report on “Data Modelling for digital agriculture (itu.int) • Use Cases for AI and IoT for Digital Agriculture Working Group: Digital Agriculture Use Cases and Solutions - Technical Report - FG-AI4A-UseCase (itu.int) • Standardization gaps and roadmap for AI and IoT in digital agriculture Working Group: Mapping and Analyzing AI and IoT standards related Activities in Digital Agriculture FG-AI4A Deliverable: Standardization gaps and roadmap for AI • Technical Report on “Ethical Legal, and regulatory Considerations relating to the use of AI for agriculture”: A European Perspective (itu.int)

Digital Transformation Enablers	Key Products and Resources
Digital infrastructure and access	• Digital Infrastructure Policy and Regulation in the Asia-Pacific Region • Toolkit on Digital Transformation for people-oriented cities and communities (T); • Gov Stack – Building-block Approach for Digital Gov Infrastructure & Playbooks; • Smart Village & Smart Island (SVSI) Needs Assessment Methodology and Toolkit; • Last-Mile Connectivity Internet Solutions Guide and Broadband Connectivity Toolkit; • Universal Service Financing Efficiency Toolkit • Green Data Centres Guide (T) • ITU Handbook for IMT (R) • KPIs for SSCs (U4SSCs); United for Smart Sustainable Cities (U4SSC) Maturity level (T) • From electricity grid to broadband Internet: Sustainable and innovative power solutions for rural connectivity
Digital safety and trust	• Systems approach to understanding national cybersecurity educational capacity • National Cybersecurity Strategy; Guide to developing a national cybersecurity strategy - Strategic engagement in cybersecurity • Global Cyber Security Index 2024 • Readiness Assessment for National CIRTs; • CoP Guidelines; Tabletop Exercises for Executives; Technical Skills-based Trainings for incident responders; • Digital Financial Services Security Assurance Framework; • Cyber Security Resilience Assessment toolkit for Digital Financial Services Critical Infrastructure • Big Data, IIoT & Industry 4.0: Approaches & Security Considerations; • Guiding principles for ICT Regulators to enhance cyber resilience
Digital skills	• ITU Academy; • Digital Skills Assessment Guidebook • Digital skills toolkit 2024 • Digital Transformation Centres

Digital Transformation Enablers	Key Products and Resources
Research and innovation	• Digital Innovation Profiling; • Bridging the Digital Innovation Divide: A toolkit for developing sustainable ICT-centric ecosystem projects, October 2020 • Innovation & Entrepreneurship Alliance - Digital Development Playbooks; • From electricity grid to broadband Internet: Sustainable and innovative power solutions for rural connectivity • Big Data, IIoT & Industry 4.0: Approaches & Security Considerations; • Regional good practices: Accelerating innovation, entrepreneurship and digital transformation in the Asia-Pacific region, October 2021
Policies and regulations	• Digital Regulation Platform • Guidance Document on Ethics and governance of artificial intelligence for health (T) • Unified Framework for Policy & Regulation • Key 5G Enablers Study • Benchmark of fifth-generation collaborative digital Regulation 2023: Global and regional Trends • GSR Best practices 2024 • ITU Handbook on Mainstreaming gender in Digital Policies • Policy brief – the affordability of ICT services 2023 • Digital policy action areas for a connected ASEAN • Collaborative Digital Regulation Country Reviews • Handbook on mainstreaming gender in digital policies • Digital Regulation Network • Regulation of NGSO Satellite Constellations • Guiding principles for ICT Regulators to enhance cyber resilience
Data availability and use	• ITU Data-Hub • ICT Development Index - IDI • Facts and Figures: Focus on LLDC • Measuring digital development – Facts and Figures: Focus on Small Island Developing States • ICT Regulatory Tracker • G5 Benchmark

Digital Transformation Enablers	Key Products and Resources
Digital infrastructure Investment	• Partner 2 Connect (P2C) • ICT Infrastructure Business Planning Toolkit for 5G Networks; • 21st Century Financing Models for Bridging Broadband Connectivity Gap • 2019 Digital Infrastructure Policy and Regulation in Asia-Pacific Region • From electricity grid to broadband Internet: Sustainable and innovative power solutions for rural connectivity
Green ICTs	• Greening Digital Companies 2024 – Monitoring emissions and climate commitments; • Circular and Sustainable Procurement Guide for ICTs; • The Global e-Waste Monitor 2024 • Measuring the Emissions and Energy Footprint of the ICT Sector: Implications for Climate Action • Digital transformation and early warning systems for saving lives – Background paper • Circular and sustainable public procurement - ICT equipment guide • From electricity grid to broadband Internet: Sustainable and innovative power solutions for rural connectivity • Green Data Centres Guide (T) • AI and the Environment - International Standards for AI and the Environment 2024 Report
Digital Inclusion	• Toolkit and Global Standard for safe listening devices and systems • Artificial Intelligence and Information Communication Technology Accessibility • Standards in the Procurement of Accessible Products and Services • Model ICT Accessibility Policy Report • Universal Service Funds and Digital Inclusion for All • Handbook on Mainstreaming gender in Digital Policies • Towards building inclusive digital communities”: ITU toolkit and self-assessment for ICT accessibility implementation • Making Mobile Phones and Services Accessible for Persons with Disabilities • ITU - ILO Guidebook on accessibility of online job application and recruitment systems

Digital Transformation Enablers	Key Products and Resources
Emergency Communication	• Emergency Communication Tabletop Guide • Disaster Connectivity Maps; • National Emergency Telecommunication Plan (NETP) Guidelines; • Emergency Telecom Preparedness Checklist; • Network Resilience Checklist; • SADC Model National Emergency Telecommunications Plan (NETP)
Consumer Protection and Affordability	• Best practices being adopted on fit-for-purpose digital regulation tools for consumer protection • Policy brief – the affordability of ICT services 2023
Spectrum	• SMS4DC (SMS4DC Version 5.2 –Spectrum Management System for Developing Countries 2022) (SW) • Radio regulations

Digital Transformation Enablers	Key Products and Resources
Artificial Intelligence	ITU-T Y.3172: This standard provides an architectural framework for integrating machine learning into future networks, including 5G (IMT-2020). It outlines components such as the machine learning pipeline and management functions, facilitating the incorporation of AI into network operations.
	ITU-T Y.3173: Building upon Y.3172, this recommendation offers a framework for evaluating the intelligence levels of future networks. It defines methods for assessing network intelligence and provides an architectural perspective for such evaluations.
	ITU-T Y.3176: This standard specifies requirements and an architecture for integrating machine learning marketplaces into future networks, enabling the sharing and deployment of machine learning models across different network environments.
	ITU-T Y.3181: This recommendation describes the architectural framework for a machine learning sandbox in future networks. It addresses challenges in integrating AI/ML into network operations, emphasizing transparency, reliability, and performance maintenance during deployment.
	ITU-T M.3383: This standard introduces requirements for log analysis in telecom management using artificial intelligence. It includes a functional framework for analyzing logs to enhance network management and operational efficiency.
	ITU-T Y.4494: This recommendation provides a reference architecture



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Standardization Sector

Supplement
ITU-T Y Suppl. 72 (11/2022)

SERIES Y: Global information infrastructure, Internet protocol aspects, next-generation networks, Internet of Things and smart cities

ITU-T Y.3000-series – Artificial intelligence standardization roadmap

<https://www.itu.int/ITU-T/recommendations/rec.aspx?rec=15249&lang=en>

ITU-T AI Standards

ITU-T Y.3170	ITU-T Y.3182	ITU-T F.ADT4MM	ITU-T L.Sup48	ITU-T J.1302
ITU-T Y.3175	ITU-T Y.3183 (Y.ML-IMT2020-VNS)	ITU-T F.AICP-GA	ITU-T P.1402	ITU-T Q.5001
ITU-T Y.3180	ITU-T F.749.13	ITU-T F.748.17	ITU-T P.565	ITU-T Q.5023
ITU-T Y.3531	ITU-T F.749.4	ITU-T F.AI-CPP	ITU-T P.565.1	ITU-T Q.5024
ITU-T Y.3172	ITU-T H.862.5	ITU-T F.747.11	ITU-T E.475	ITU-T Q.3646
ITU-T Y.3654	ITU-T F.748.13	ITU-T F.AI-MKGDS	ITU-T E.AIQ	ITU-T Q.5025
ITU-T Y.3174	ITU-T F.742.1	ITU-T F.AI-RPAS	ITU-T P.SAMD	ITU-T Q.IMT2020-SAO
ITU-T Y.Sup55	ITU-T FSTP-ACC-AI	ITU-T F.AI-RSRSreqs	ITU-T P.Sup28	ITU-T M.3381
ITU-T Y.3156	ITU-T F.CDN-AINW	ITU-T F.748.21	ITU-T X.Sup37	ITU-T M.3080
ITU-T Y.3176	ITU-T F.748.11	ITU-T F.REAIOCR	ITU-T TR.sgfdm	ITU-T M.3382
ITU-T Y.3115	ITU-T F.748.12	ITU-T F.TCEF-FML	ITU-T XSTR-SEC-AI	ITU-T M.rla-AI
ITU-T Y.3177	ITU-T F.748.20	ITU-T F.Med-Data-QC	ITU-T X.gdsml	ITU-T M.rmnoc-AI
ITU-T Y.3178	ITU-T F.748.19	ITU-T F.747.12	ITU-T Y.4470	ITU-T M.rfmls
ITU-T Y.3173	ITU-T F.746.16	ITU-T F.AI-SF	ITU-T Y.Sup63	ITU-T M.il-AITOM
ITU-T Y.3812	ITU-T F.AI-SCS	ITU-T F.FML-TS-FR	ITU-T Y.CDML-arc	ITU-T M.rsca
ITU-T Y.Sup70	ITU-T F.746.13	ITU-T L.1305	ITU-T Y.RA-FML	ITU-T M.rsmca
ITU-T Y.3814 (Y.QKDN-ml-fra)	ITU-T F.Sup4	ITU-T L.Sup41	ITU-T Y.AI-DECCS	ITU-T M.rODFos
ITU-T Y.IMT2020-DJLML	ITU-T F.746.11	ITU-T L.Sup42	ITU-T J.1600	ITU-T M.ilef-AITOM
ITU-T Y.ML-IMT2020-MLFO	ITU-T H.AI-SaMD-Req	ITU-T L.Sup43	ITU-T J.pcnp-char	ITU-T M.tsm-rest
ITU-T Y.3181	ITU-T HSTP.Med-AI-CCTA	ITU-T L.Sup53	ITU-T J.1611	ITU-T M.la-AI-ia