

Setting international standards worldwide

For a better future for all

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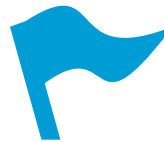


ITU is Global



The [International Telecommunication Union \(ITU\)](#) is the United Nations specialized agency for information and communication technologies (ICTs)

ITU regional presence



193

Member states



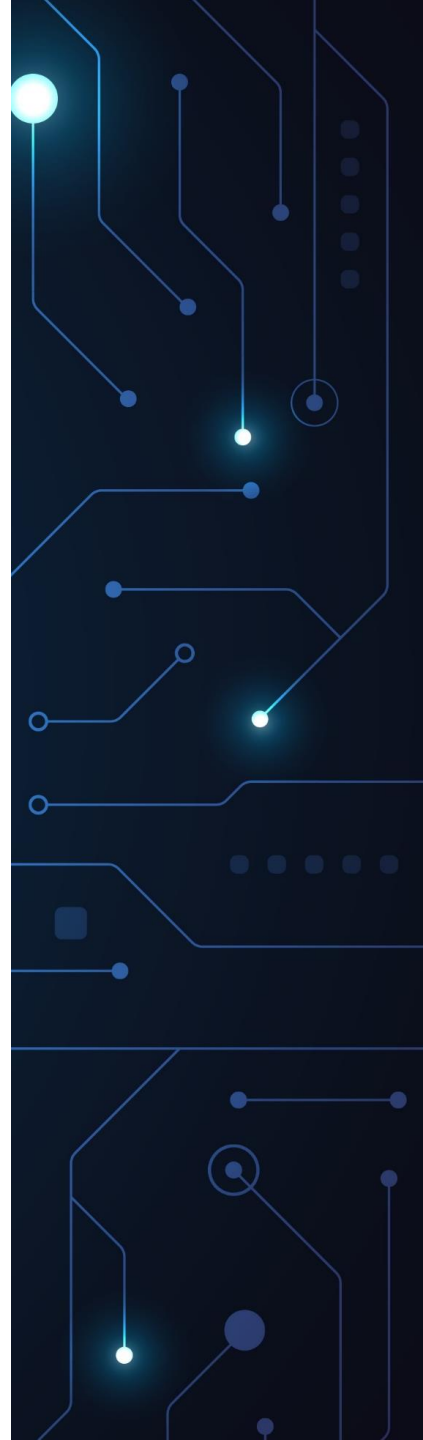
+700

Private sector organizations

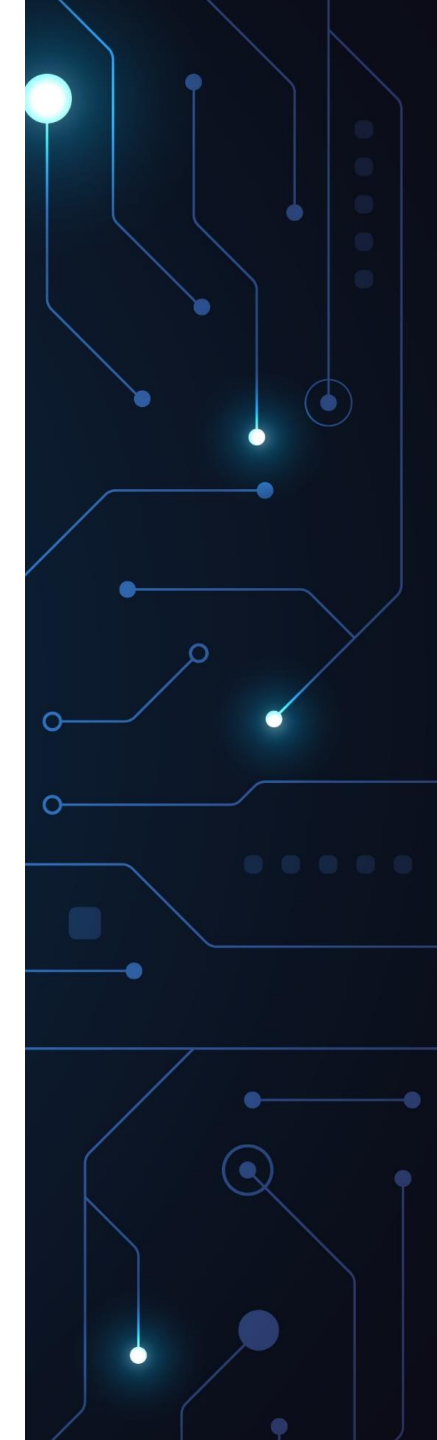
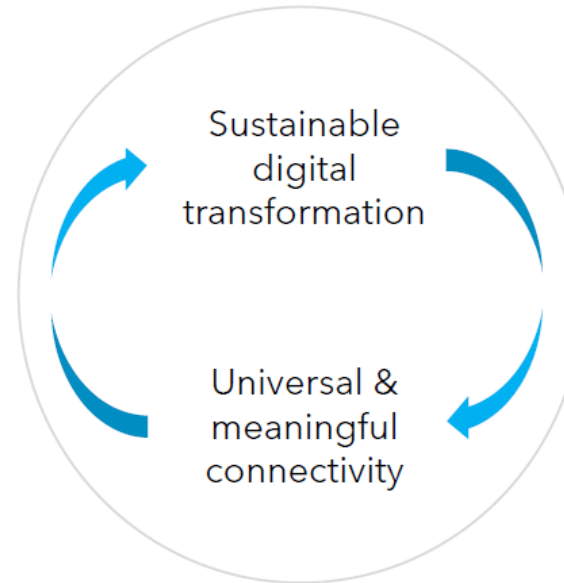
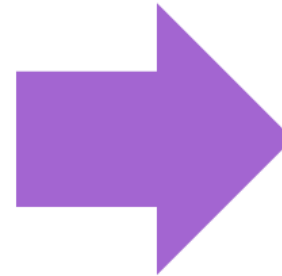


+150

Academia members

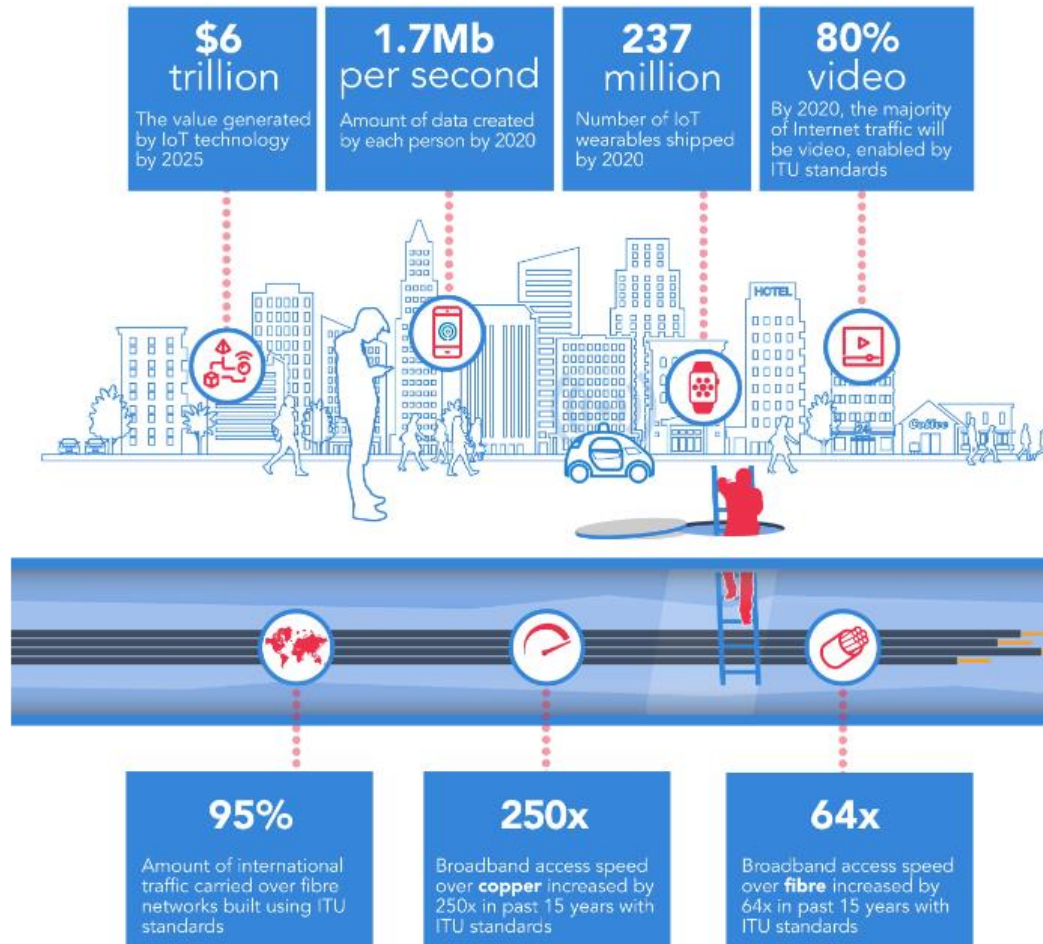


Our starting point: the strategic goals



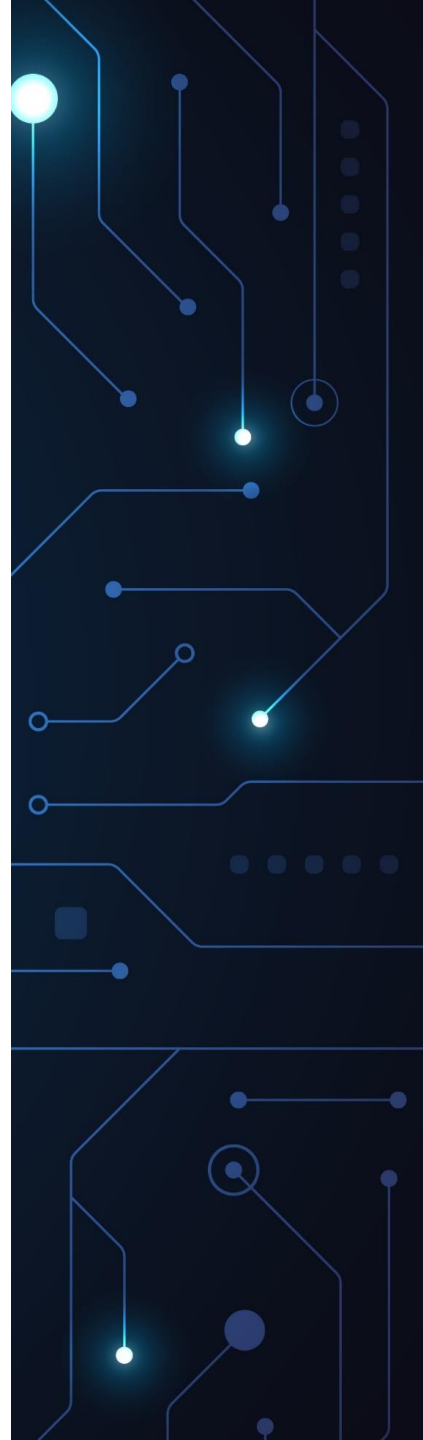
ITU-T: Setting the Standard

ITU's international standards provide common platforms for ICT growth and innovation



What are Standards

- ✓ Voluntarily Developed
- ✓ Developed by Experts
- ✓ Consensus-based / Public Consultation
- ✓ Documented Good Practice
- ✓ Voluntarily Applied
- ✓ Tested Vigorously





Building blocks for modern communication

- For over 150 years, the ITU has been at the centre of advances in communications and today ITU's standards are at play in virtually every facet of modern communication



Optical transport
beyond 100 Gbit/s



High-speed
broadband
access



Multimedia



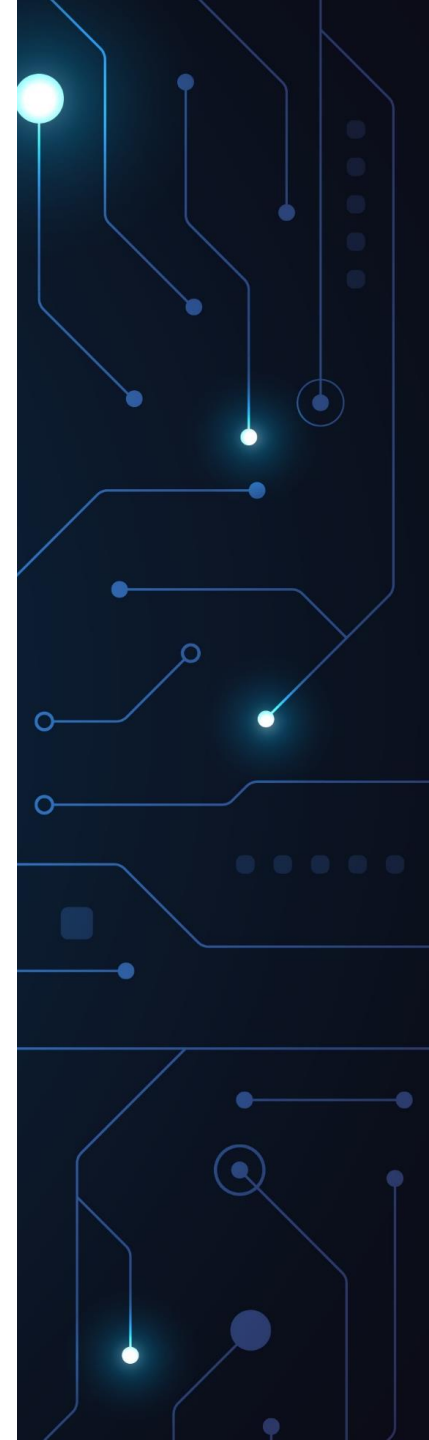
High-quality
VoLTE



Numbering &
emergency
comms

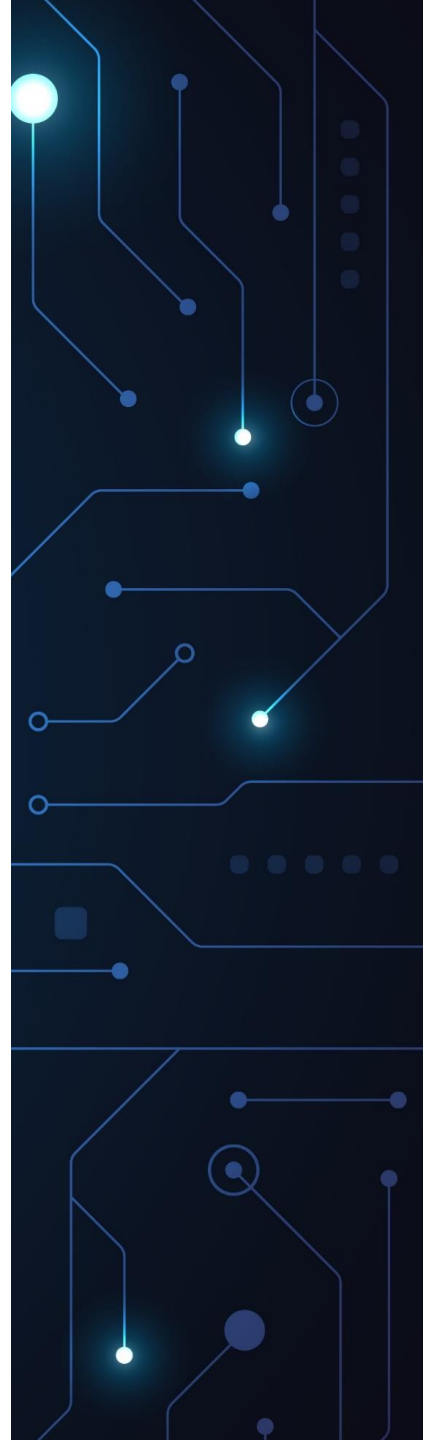
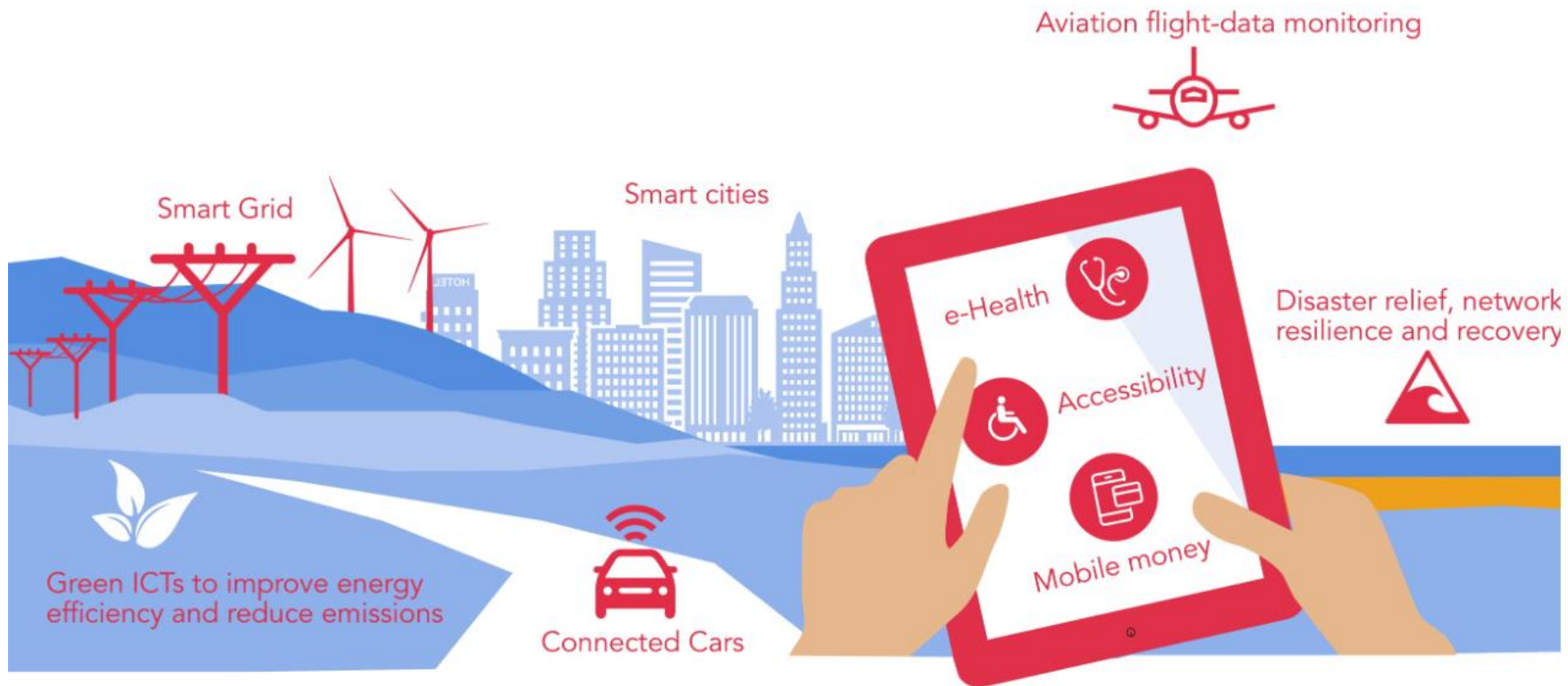


Cybersecurity

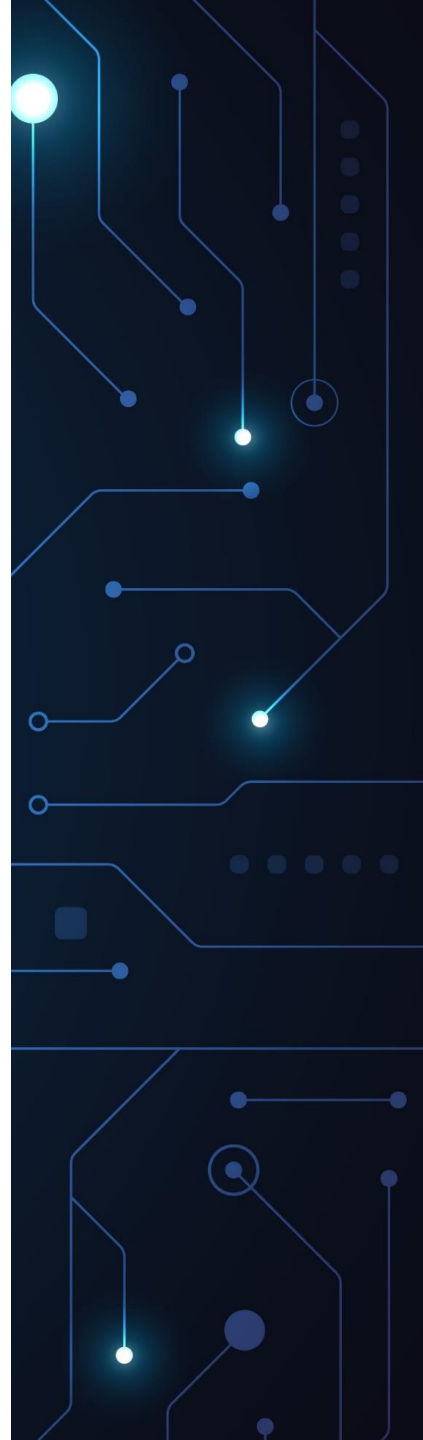
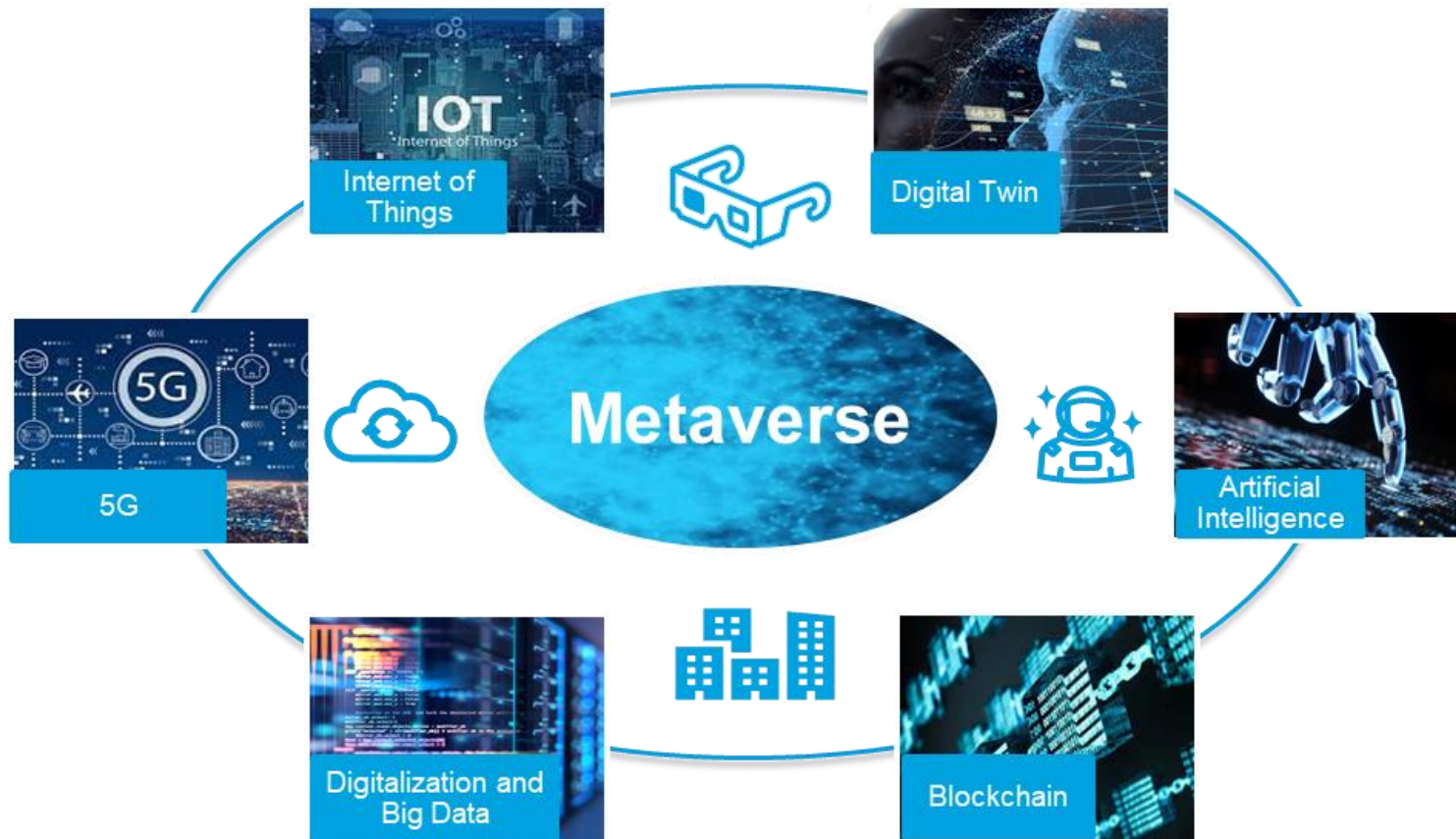


Enabling next-generation apps and services

- ITU standards support a wide array of industry sectors in their use of ICTs as enabling technologies and assist in meeting the challenges of the 21st century



Technologies that enable digital transformation



ITU standardization: Global community



Study Groups

Membership-driven study groups develop international standards



Focus Groups

Open-to-all focus groups define new directions in ITU standardization

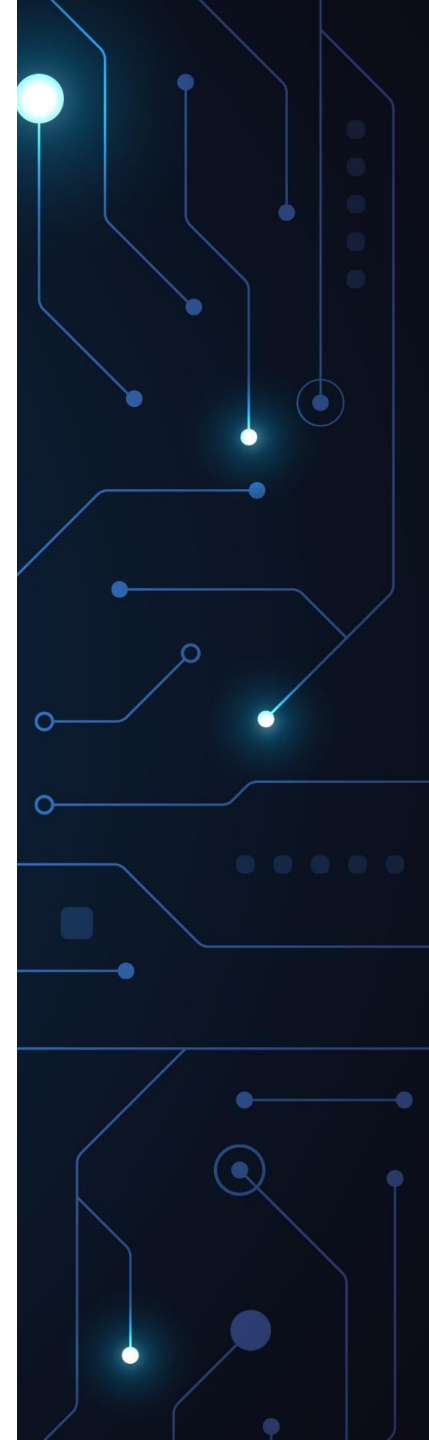


Forums & Workshops

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



Reduced ITU membership fees available for academia, start-ups and SMEs, and companies of all sizes in developing countries



ITU standardization: ITU-T Study Groups



SG2: Operational aspects



SG3: Economic and policy issues



SG5: Environment, EMF and circular economy



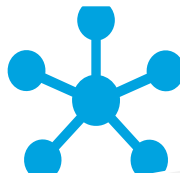
SG9: Broadband cable and TV



SG11: Protocols, testing & combating counterfeiting



SG12: Performance, QoS and QoE



SG13: Future networks



SG15: Transport, access and home



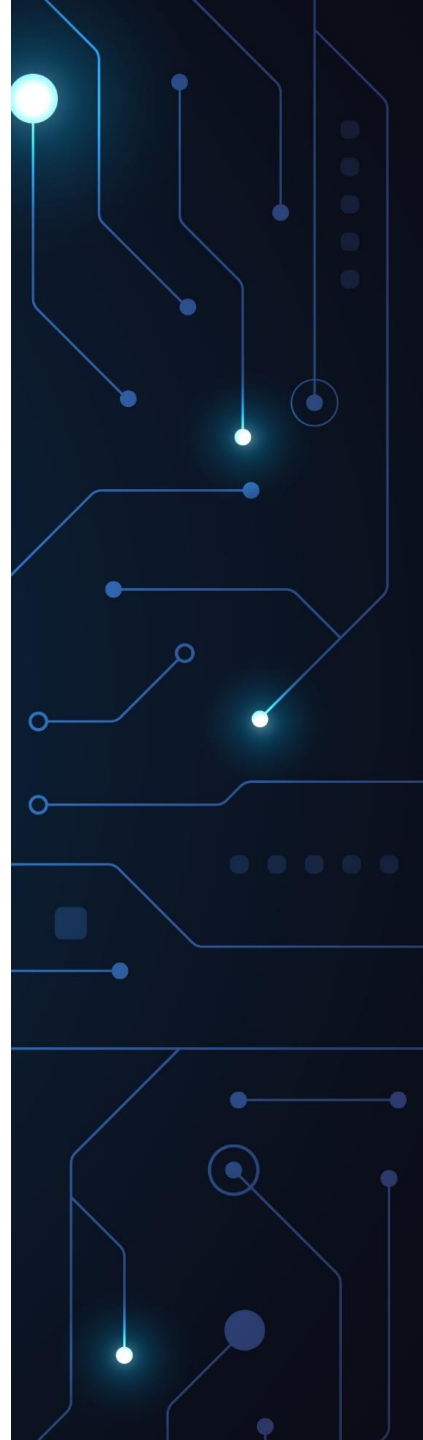
SG16: Multimedia & digital technologies



SG17: Security



SG20: IoT, smart cities & communities



ITU standardization: ITU-T Focus Groups



Autonomous Networks
([FG-AN](#)) / SG13



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



Metaverse
([FG-MV](#)) / TSAG



AI for Health
([FG-AI4H](#)) / SG16



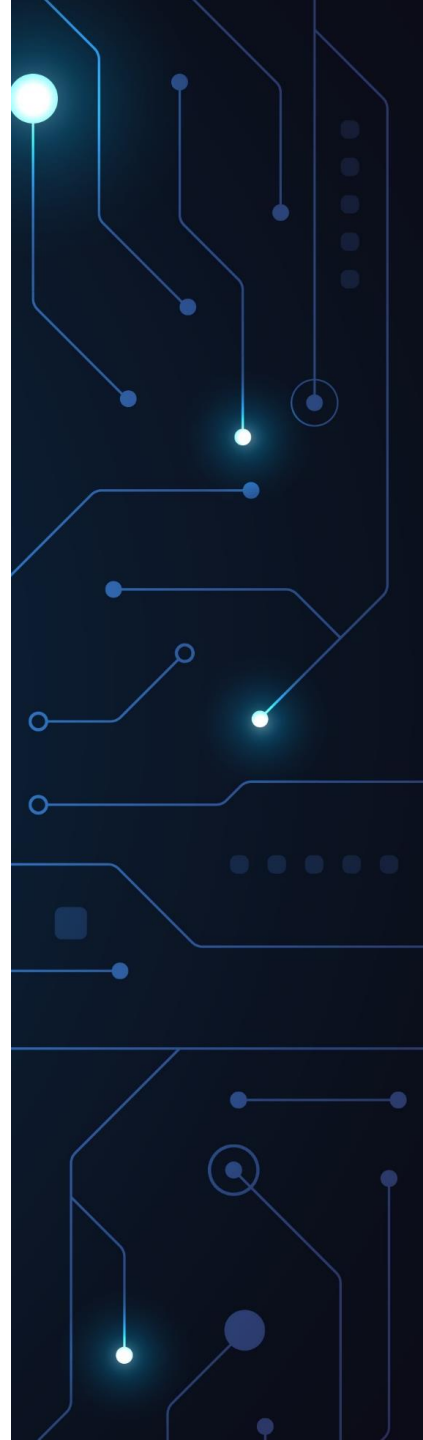
AI & IoT for Agriculture
([FG-AI4A](#)) / SG20



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



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



ITU-T and Academia



ITU Academia members participate with reduced membership fees in ITU expert groups responsible for radiocommunication, standardization, and development



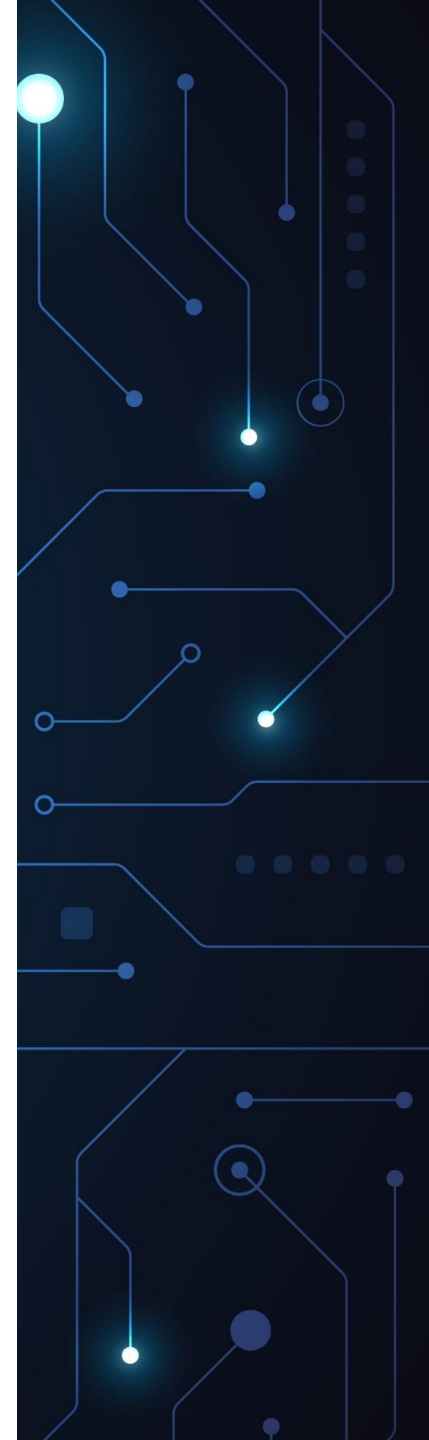
ITUKALEIDOSCOPE

Annual Kaleidoscope conferences highlight research into key strategic topics for ITU standardization

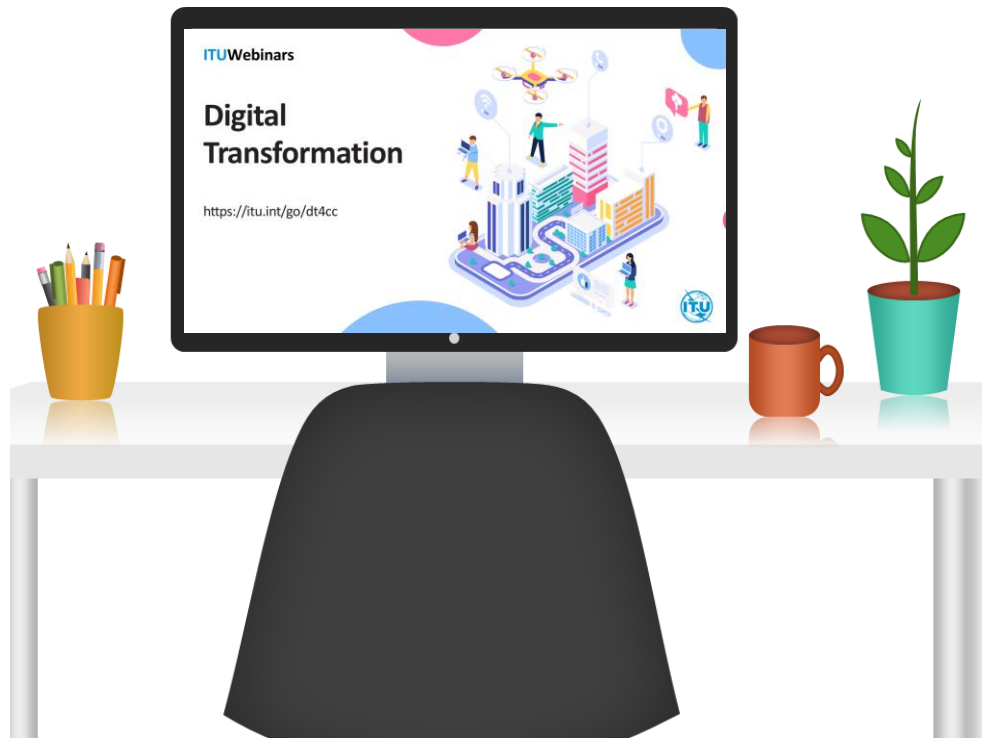


ITU Journal
Future and evolving technologies

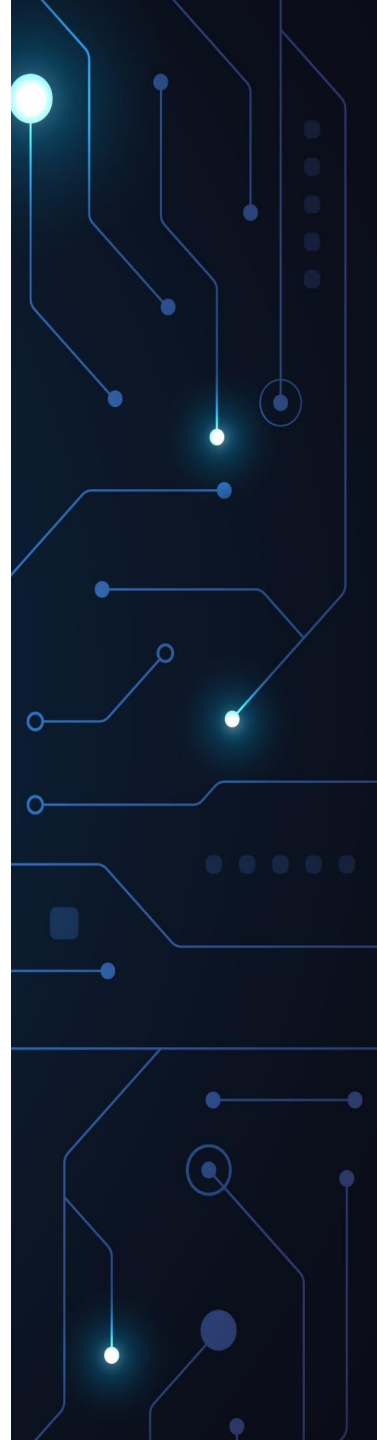
The ITU Journal – free of charge to both readers and contributors – offers comprehensive coverage of communications and networking paradigms



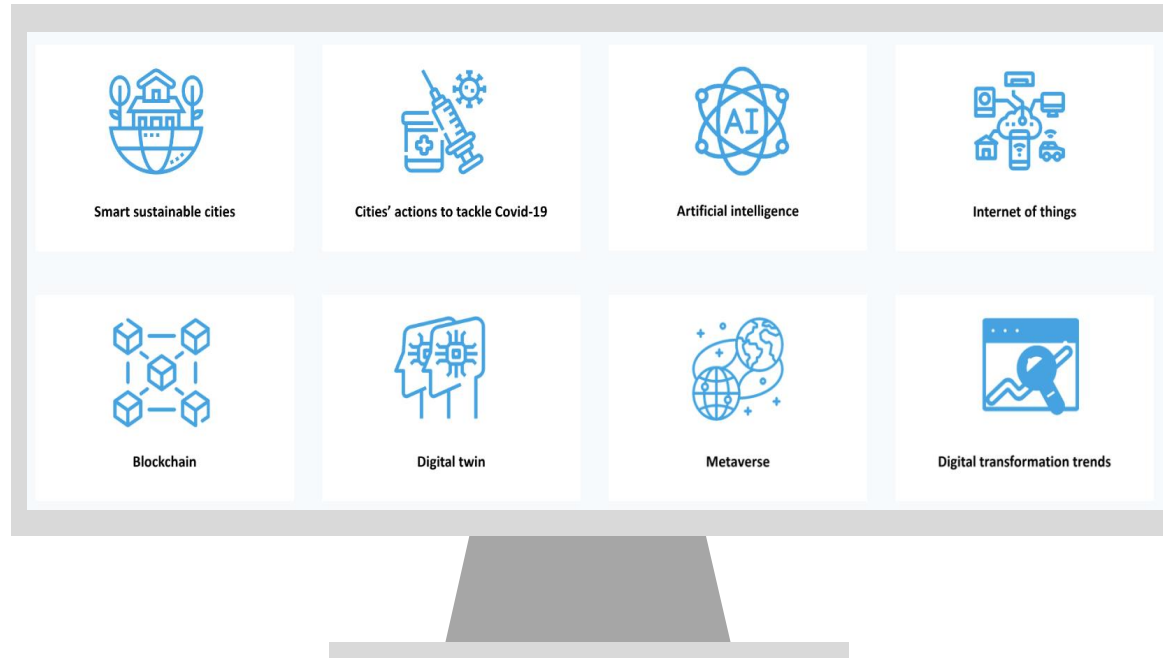
ITU's Digital Transformation Webinar Series



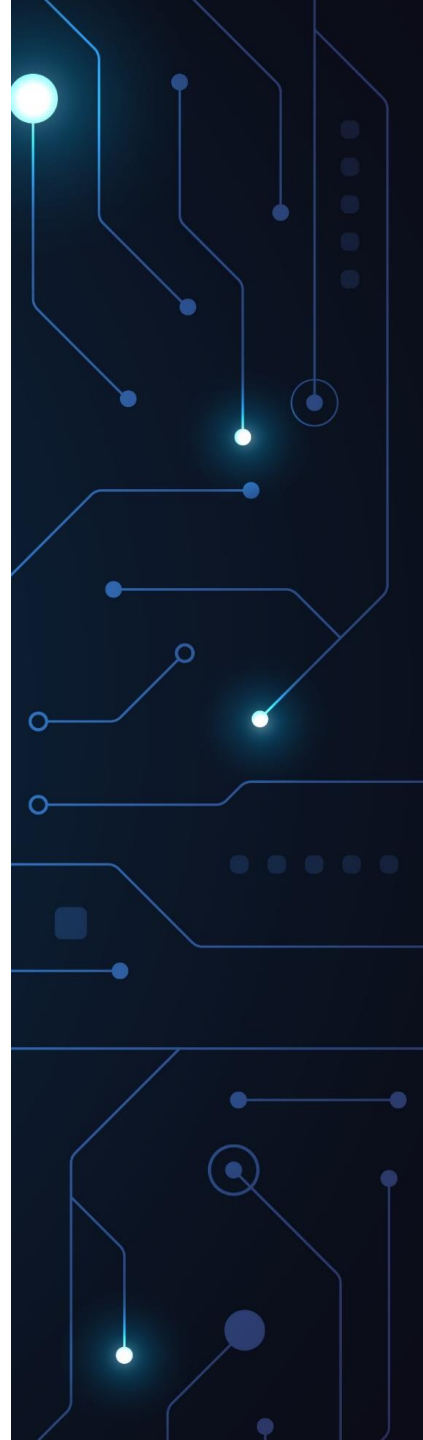
- Episode on Digital transformation of testing: federated testbeds as a service (21 June 2023)
- Episode on Digital transformation and Ethical use of technology for animals (26 July 2023)
- Episode on Decade of healthy aging: role of digital technologies (22 August 2023)
- Episode on ChatGPT: risks and rewards of generative AI in cities (4 September 2023)
- Episode on Digital tourism: bridging the gap between communities and destinations (27 September 2023)
- Episode on “Fashioning” the metaverse to accelerate digital transformation: what has gone out of style (2 October 2023)
- Episode on Disaster risk reduction in the digital transformation age (13 October 2023)
- Episode on World cities day: digital transformation for a better urban life (31 October 2023)
- Episode on Digital transformation in the pharma Industry (14 November 2023)
- Episode on Buildings in action: the intersection of digital transformation smart technology and sustainability in cities (28 November 2023)
- Episode on Harnessing digital transformation for smart manufacturing (12 December 2023)



Interested in Exploring More?



Visit ITU's Digital Transformation Resource Hub!





Thank you!



Email

digitaltransformation@itu.int



Website

[ITU-T, Smart Sustainable Cities](https://www.itu.int/ITU-T/smart)