

# Activity report

TSAG, May 2025





## Study groups

**381 new and revised ITU-T Recommendations and related texts (July 2024-May 2025).**

Executive summaries of ITU-T study group meetings: [Homepages >](#)

[SG2](#): Geneva, 5-14 February 2025

[SG3](#): Geneva, 8-17 April 2025

[SG11](#): Geneva, 19-28 February 2025

[SG12](#): Geneva, 14-23 January 2025

[SG13](#): 15-26 July 2024 and Geneva, 3–14 March 2025

[SG15](#): Geneva, 17-28 March 2025

[SG17](#): Geneva, 2-6 September 2024; Geneva, 8-17 April 2025

[SG20](#): Geneva, 13-24 January 2025

[SG21](#): Geneva, 13-24 January 2025

SG5 will hold its meeting on 3-12 June 2025.



## Focus groups

**1. AI native for telecom networks** established by SG13 in July 2024 has held two meetings:

- 1st FG-AINN meeting, Virtual, 6-7 November 2024
- 2nd FG-AINN meeting, 14-15 April 2025, Istanbul, Türkiye

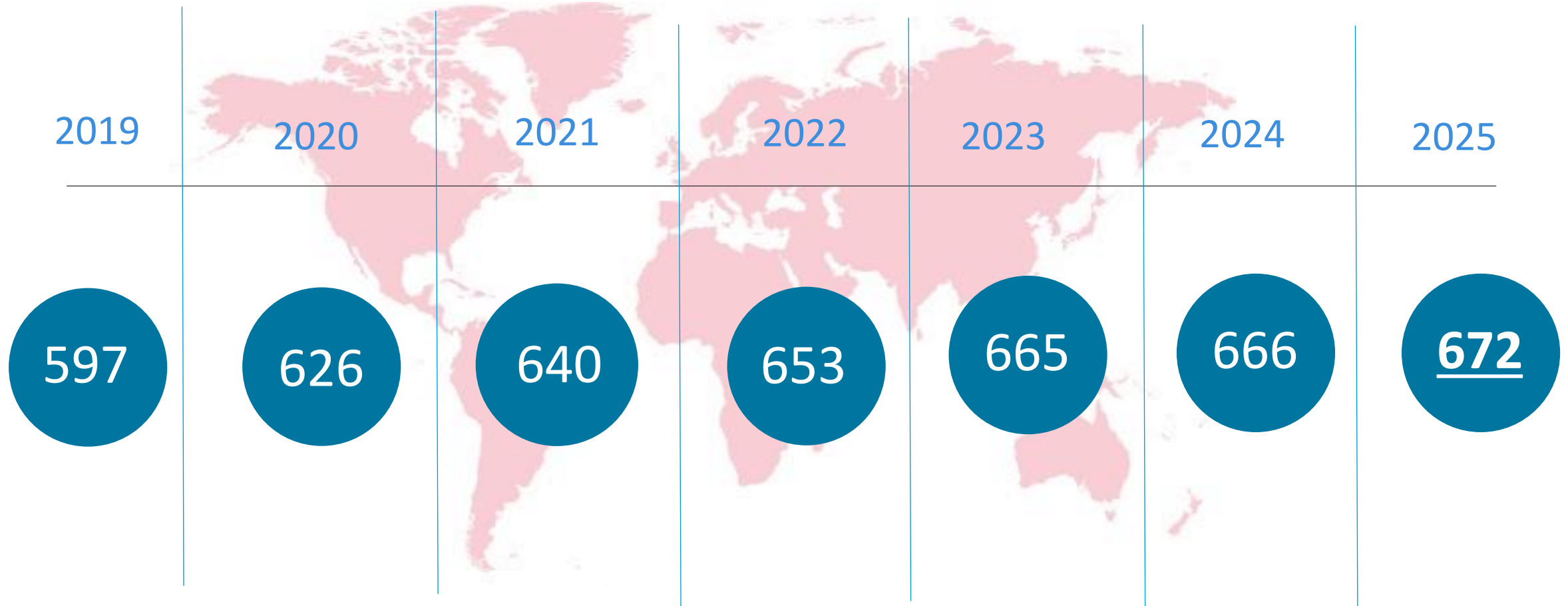
## 2. Costing models for affordable data services

- Established in March 2023 continues its work
- Lifetime extended to October 2025





# ITU-T Sector Members, ITU-T Associates and ITU Academia

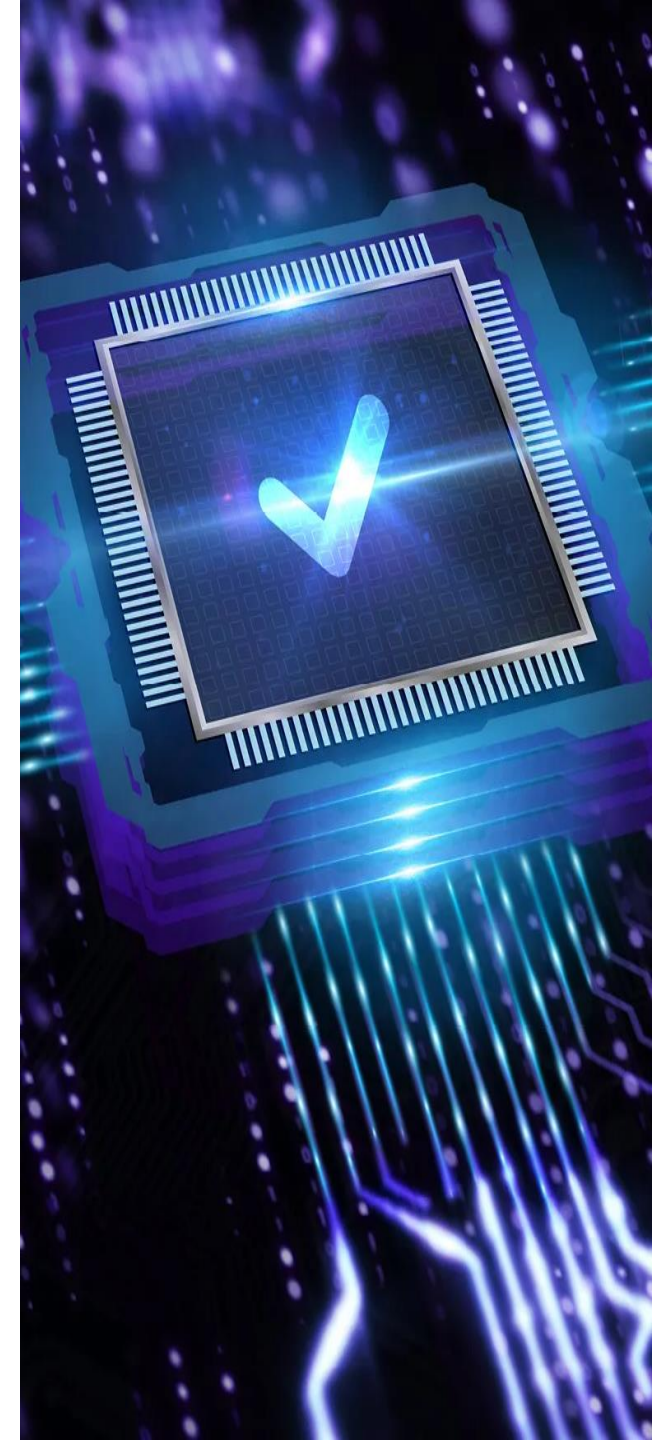


**77 Associates** now participating under the **reduced SME fee structure**

## 5th version of MyWorkspace

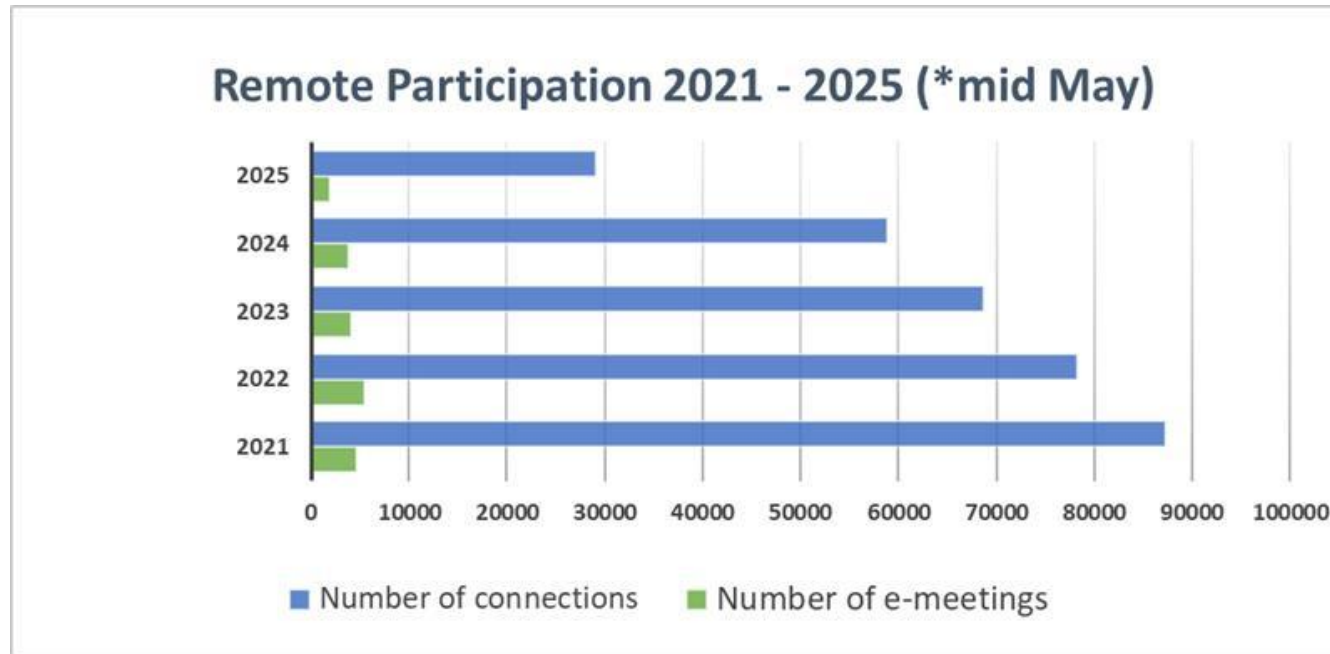
### [MyWorkspace >](#)

- Architecture enabling faster addition of new apps
  - Enhanced user experience, new look, faster response times
  - Distinction between apps specific to ITU-T and ITU-wide apps
  - Enhanced “Calendar” app with more filtering options
  - “Work Programme” app with direct access to ITU Work Programme
  - AI-based SDGs mapping for ITU-T Publications and Recommendations
  - “Standards” app with direct access to ITU-T Recommendations and Supplements
  - “Test signals” app centralizes over 30GB of in-force ITU-T test signals for audio, images and video into a single database
  - See [TSAG-TD11](#) for additional information
- Feedback always welcome!**



## Events

**94 workshops, webinars and symposia** were organized, in addition to the near-daily programming of the AI for Good digital platform. [Workshop homepage >](#)



**2025 (until May): over 1800 e-meetings with over 29000 connections**  
(Membership-privileged events as well as open events)





## AI and multimedia authenticity

- 31 May 2024 - [Workshop Detecting deepfakes and Generative AI: Standards for AI watermarking and multimedia authenticity](#)
- Establishment of the *AI and multimedia authenticity standards collaboration* (under WSC)
  - global forum for dialogue on priority topics for discussion across standards organisations in the area of AI and multimedia authenticity
  - Monthly meetings since September 2024

## Detecting deepfakes and generative AI: Report on standards for AI watermarking and multimedia authenticity workshop

The need for standards collaboration on AI and multimedia authenticity

2024 Report



# AI for Good

## AI for Good Global Summit 2025: [Homepage >](#)

- Geneva, 8-11 July, organized by ITU, 50+ UN partners and co-convened by government of Switzerland
- Co-located with [WSIS+20 meeting](#)
- Showcasing innovations in AI, robotics, and brain-machine interfaces, quantum, virtual worlds to solve global challenges
- Emphasizes importance of technical standards and capacity building to global AI governance

## All year, always online: [AI for Good digital platform >](#)

- [Neural network](#) now hosts over 43,000 participants
- [Near-daily programming](#) in 3 streams: Learn, Build, Connect



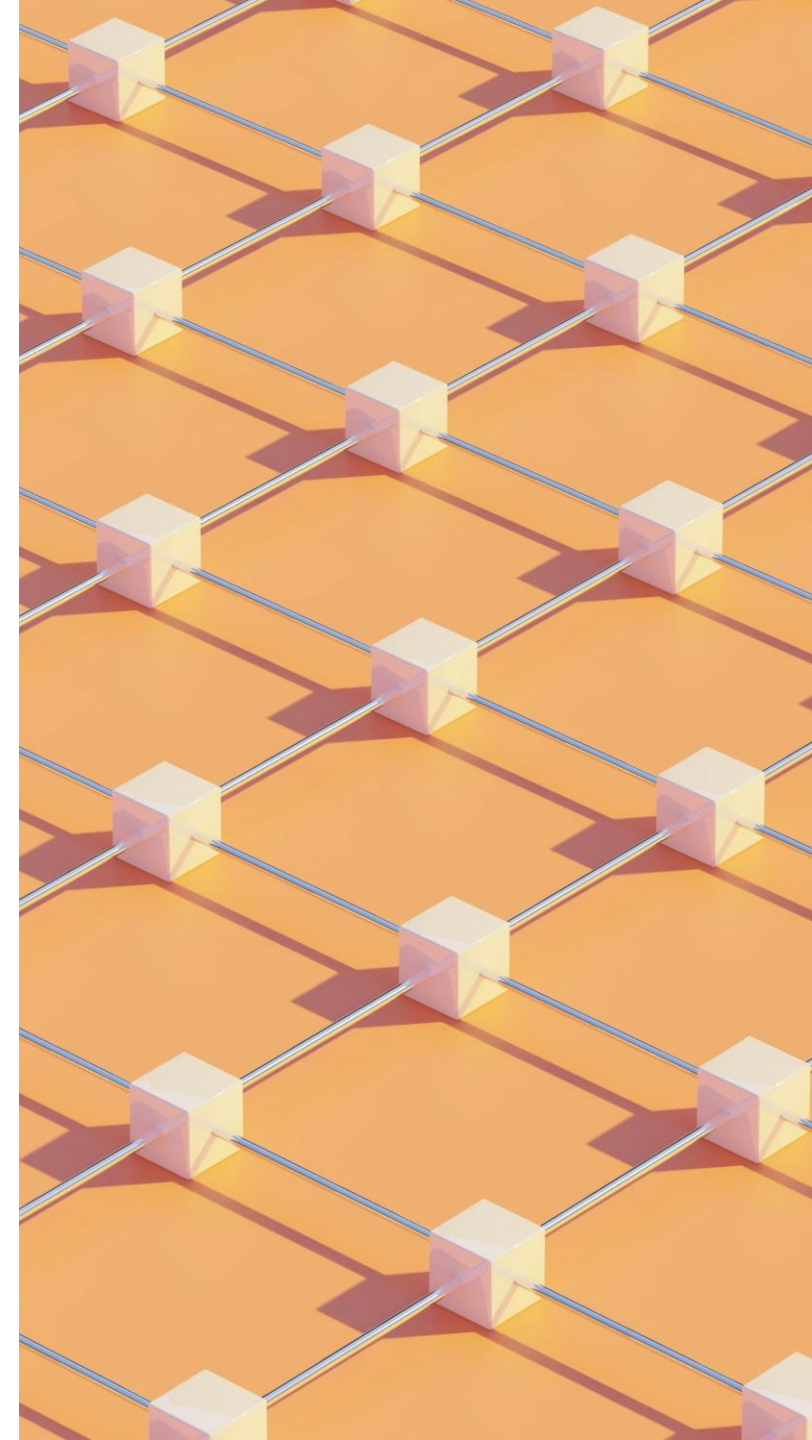


## Digital financial inclusion and fintech

### DFS Security Lab

[Homepage>](#)

- 13 security clinics (January 2024-February 2025):  
[Homepage>](#)
- Knowledge transfer programme supporting telecom regulators in emerging economies
- Technical assistance to implement DFS Security Recommendations (Recommendation ITU-T X.1150) to conduct the security audits of mobile payment apps based on the standard methodology



# Metaverse, Virtual worlds and AI

## Global Initiative on Virtual Worlds - Discovering the CitiVerse:

[Homepage >](#)

- Launched at 1<sup>st</sup> [UN Virtual Worlds Day](#) in Geneva, 14 June 2024, organized by ITU together with 17 UN partners
- **Led by ITU, UN International Computing Centre and Digital Dubai**
- Launched on 13 February 2025, the [1st UN CitiVerse Challenge](#) is co-organized by ITU alongside 16 global partners to reimagine the future through the citiverse and digital public infrastructure
- [2<sup>nd</sup> UN Virtual Worlds Day](#) will be held on 11-12 June 2025 in Turin, Italy

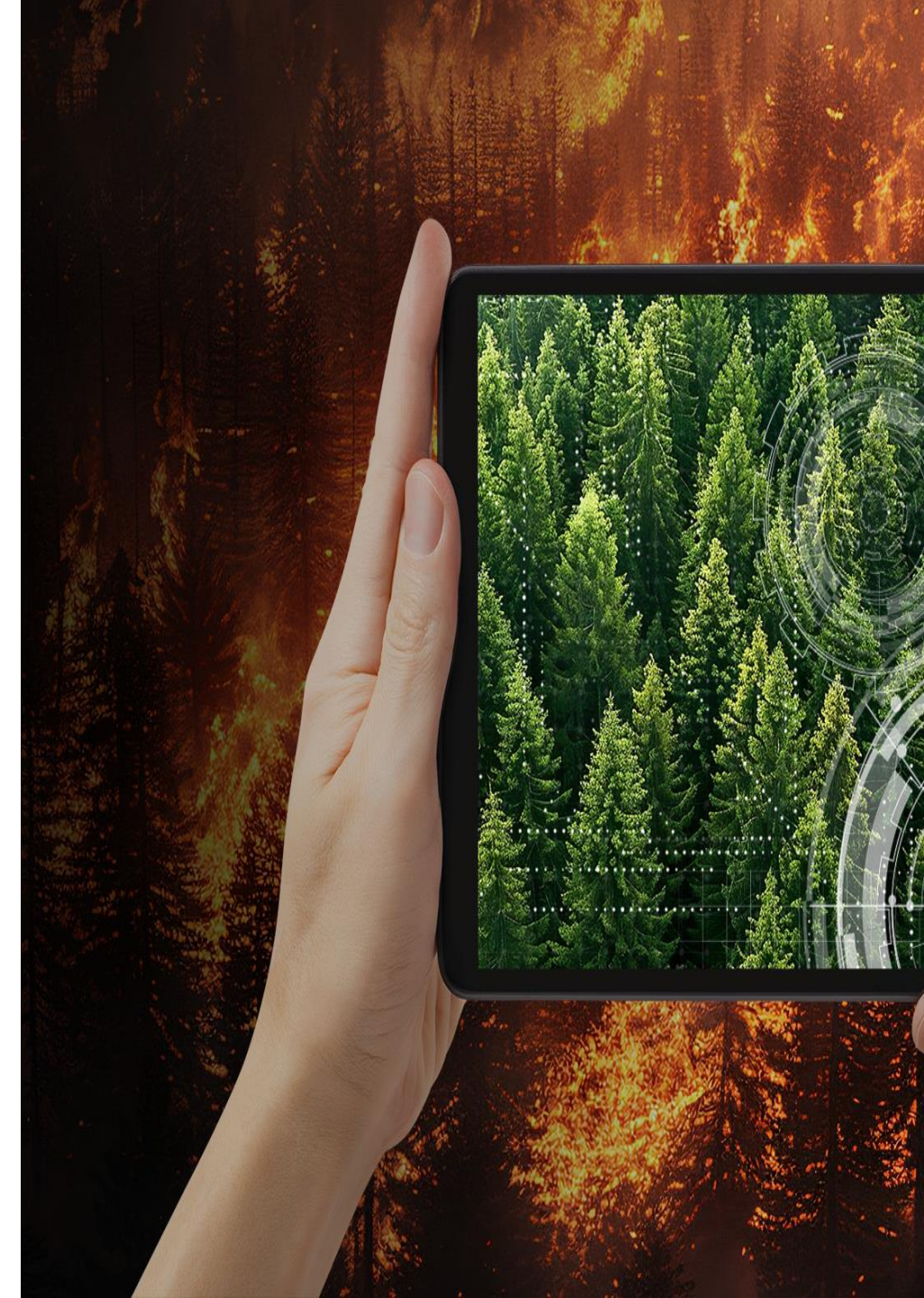




# Resilience to natural hazards

## Global Initiative on Resilience to Natural Hazards through AI solutions

- To support research, innovation, and standards development
- **Led by ITU, the UN Environment Programme, UN Framework Convention on Climate Change, the Universal Postal Union and the World Meteorological Organization**
- Two meetings held:
  - 1st Meeting, Barcelona (Spain) – hosted by the Barcelona Supercomputing Centre, 6 November 2024
  - 2nd Meeting, Frascati (Italy) – hosted by the European Space Agency (ESA), 9 May 2025



## Intelligent transport systems

24-27 March 2025, online: [Future Networked Car Symposium](#)  
organized by ITU and the UN Economic Commission for Europe  
[Expert group on communications technology for automated driving](#)  
(under ITU-led [Collaboration on ITS Communication Standards](#))

The Expert Group has the following Working Groups which are organizing monthly online meetings:

- WG1: Vehicular communications for merging automatically into congested lanes
- WG2: Vehicular communications for advanced emergency braking, including to protect VRUs





# Digital transformation for cities and communities

**United for Smart Sustainable Cities (U4SSC):** [Homepage >](#)

- U4SSC backed by 19 UN partners committed to SDG11
- 200+ cities evaluating progress towards smart-city objectives and the SDGs with U4SSC Key Performance Indicators based on ITU standards
- Four new [Reports](#) published

## ITU Digital Transformation Dialogues

- Webinars, fireside chats and ask the expert sessions
- 6 episodes (July 2024-March 2025): [All episodes >](#)



## Green Digital Action

### COP-29 (November 2024)

- First Digitalization Day at COP
- Adoption of GDA Declaration
- Six sessions on GDA and standards

### AI and the Environment Report ([2024](#))

### AI Action Summit

- Launch of [Report on Standardization for AI Environmental Sustainability – Towards a coordinated global approach](#)



# Green Digital Action



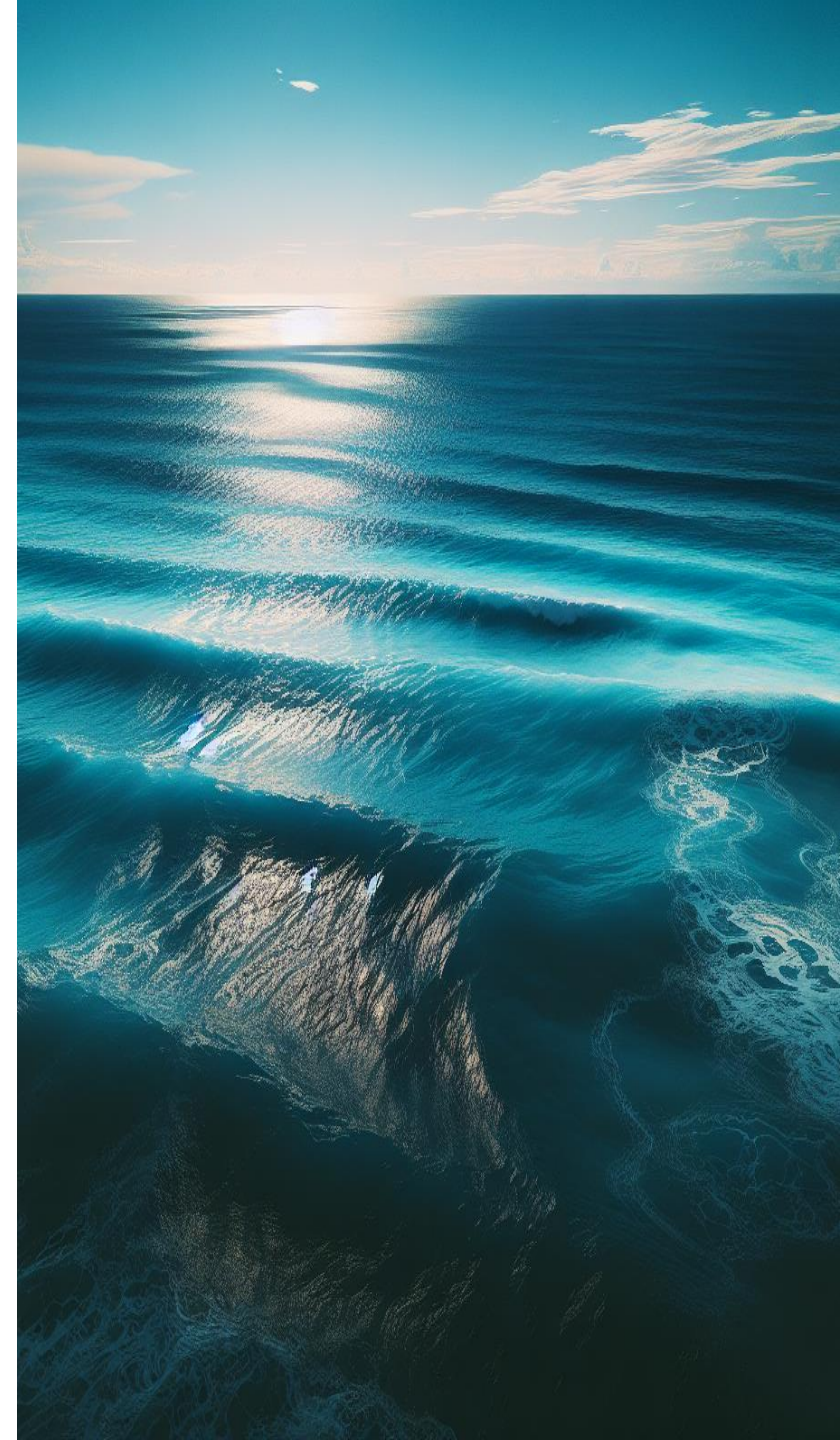
# Smart cable systems

## Joint Task Force on SMART cable systems

- Dedicated to advancing 'Science Monitoring And Reliable Telecommunications (SMART) cables
- Collaboration with WMO and UNESCO-IOC (Intergovernmental Oceanographic Commission)

## ITU-T SG15

- Approved first standard on SMART cables (G.9730.2) and dedicated (i.e without telecommunication) scientific sensing submarine cable system (G.9730.1)
- Projects for deployment of SMART cables are underway



## Bridging the standardization gap

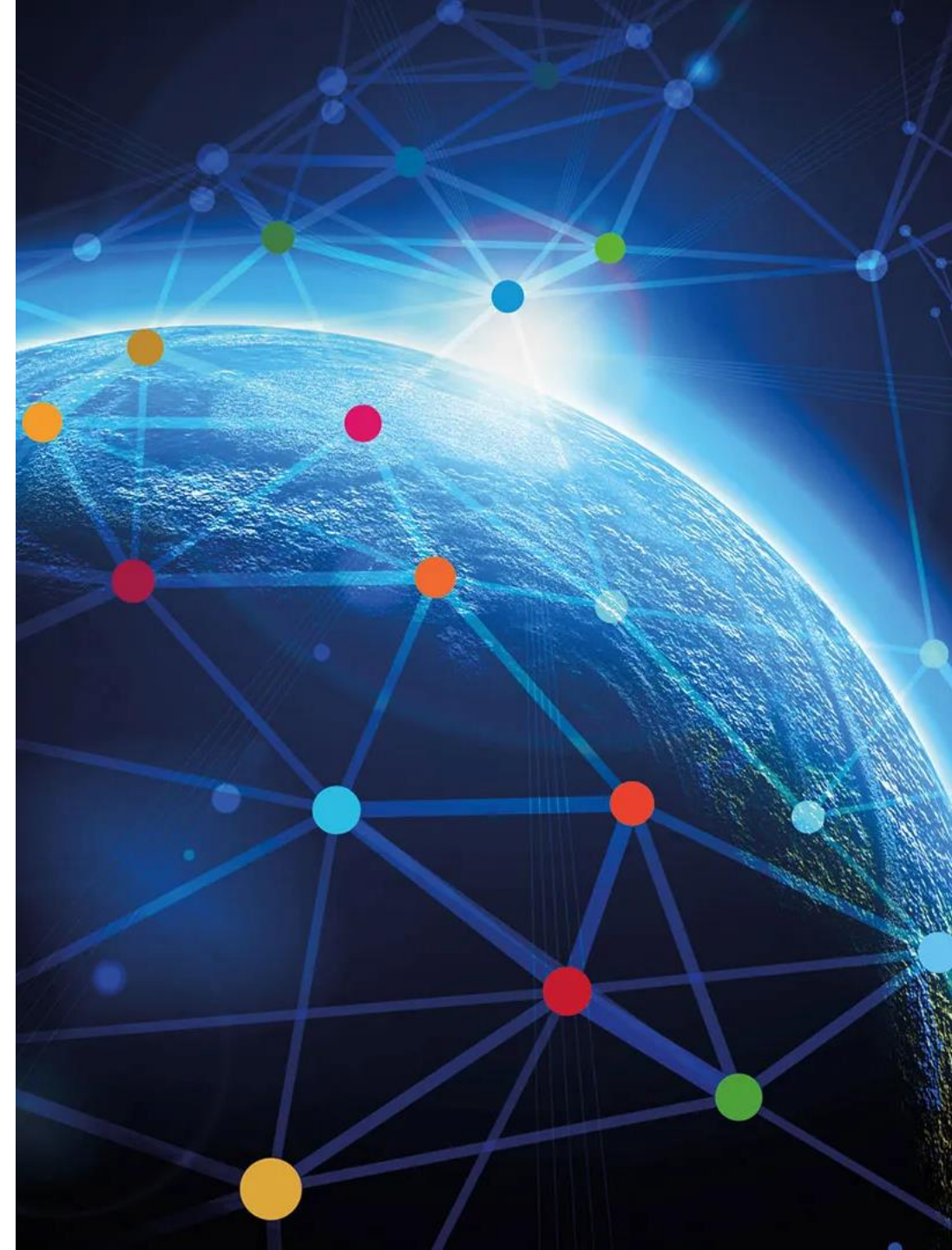
**BSG Programme:** [Homepage >](#)

### **BSG capacity building activities**

- BSG activities including capacity building relevant to standards development, WTSA and electronic working methods and tools
- 288 delegates attended (January-March 2025)

### **Regional groups within study groups**

- ITU-T hosts 26 regional groups

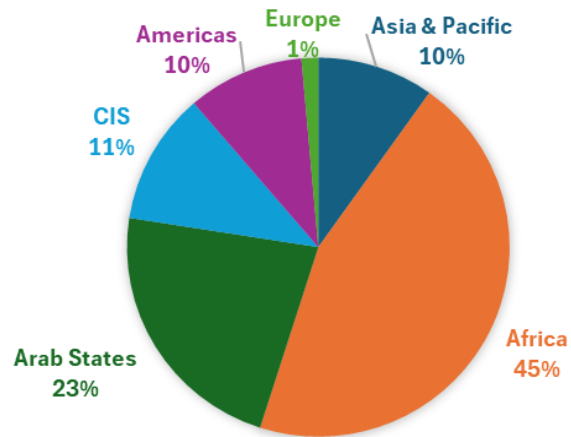




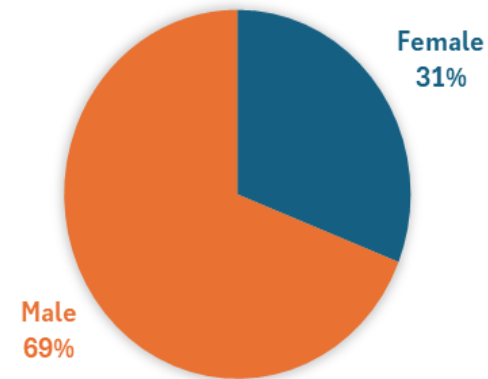
# Fellowships

**162 fellowships requested** and **71 awarded** from January to April 2025

Awarded fellowships by region



Awarded fellowships by gender



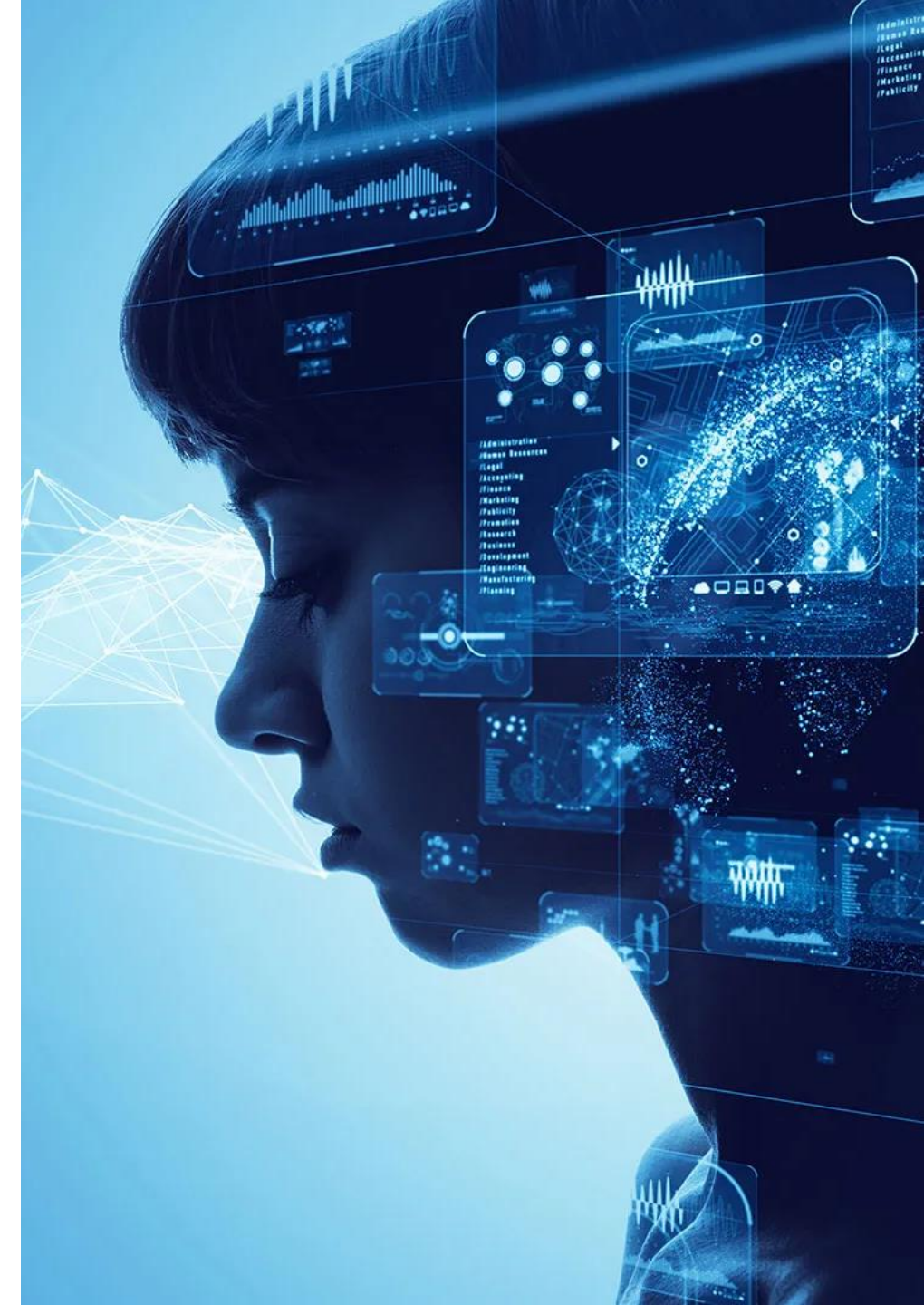
# Gender

## Network of Women (NoW) in ITU-T: [Homepage >](#)

- Results of Gender Survey issue to ITU-T Membership is contained in TD77
- NoW activities include a training programme
- [Sign up](#) for the NoW in ITU-T mailing list, [nowinitut@lists.itu.int](mailto:nowinitut@lists.itu.int)
- Number of women in key leadership roles (Chair and Vice Chairs of SGs, TSAG, SVC) increased by 24% compared to the previous study period

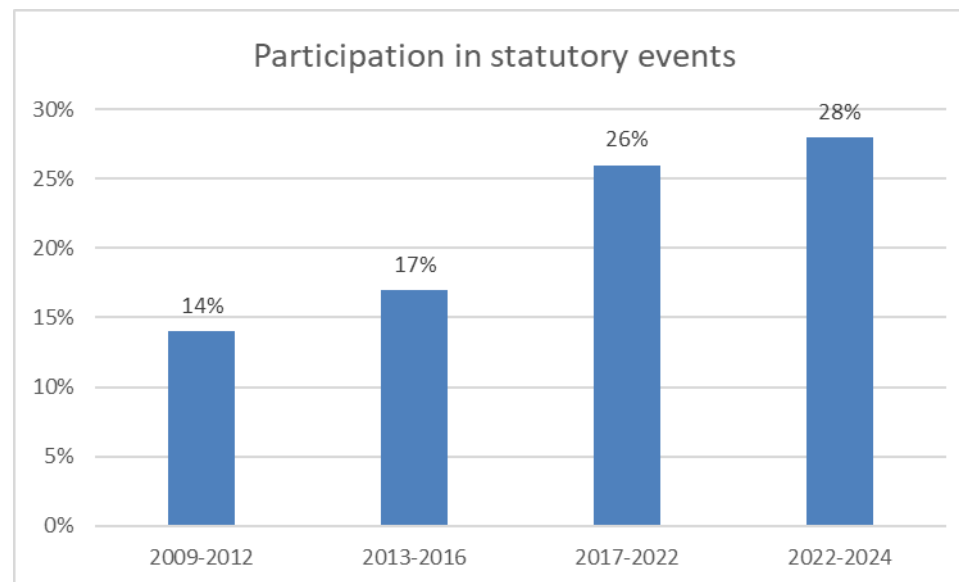
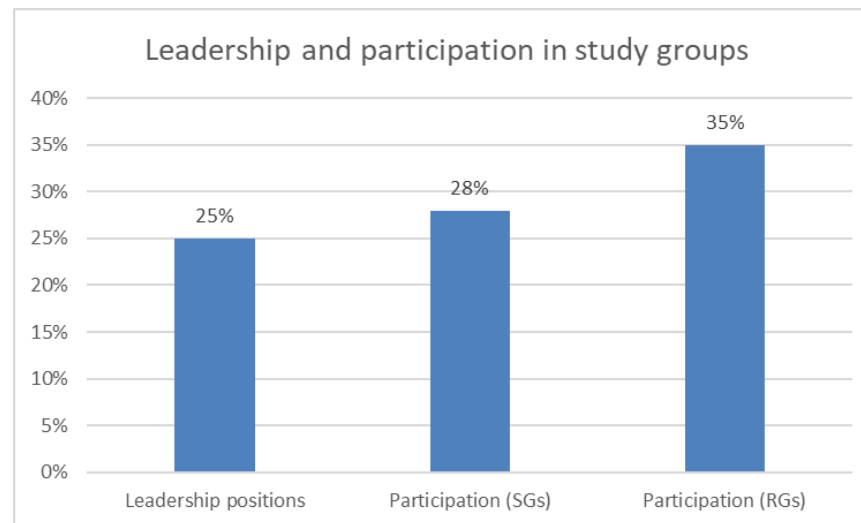
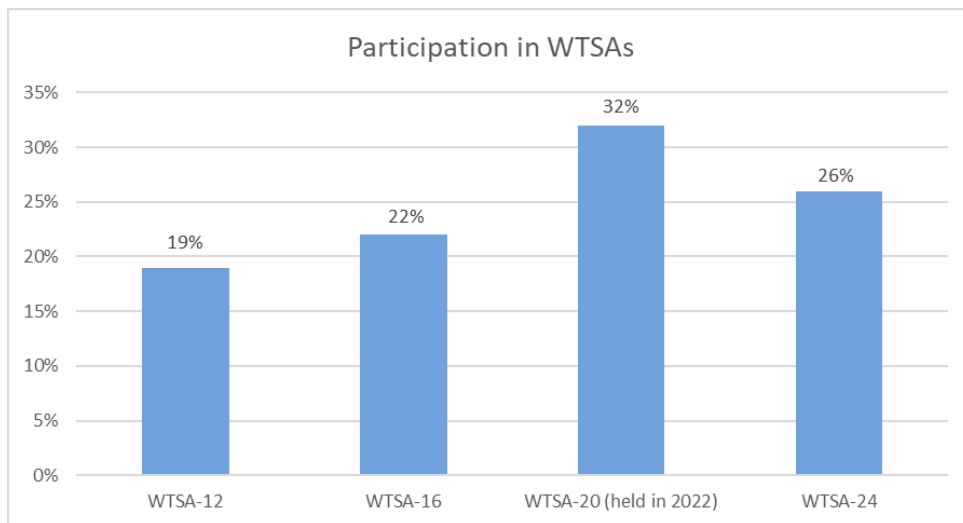
## NOW4WTSA-24 campaign

- Campaign activities, events and training sessions were conducted across regions; and,
- [NoW Special event](#) was organized during WTSA-24 on 17 October 2024, New Delhi, India





## Gender stats



# Human rights and standards development

- Launched **Global AI Standards Exchange Initiative** with ISO and IEC to create a centralized repository of AI standards through the lens of AI safety and human rights
- **AI for Good platform** continues to drive conversation on rights aligned governance and responsible innovation
- TSB works closely with OHCHR on the topic of human rights and aims to integrate human rights into technical standards





**Quarterly issues published:**

- Volume 5, Issue 3: Intelligent technologies for future networking and distributed systems
- Volume 5, Issue 4: AI/ML solutions in 5G and future networks

**Upcoming issues in 2025**

- Energy-efficient and environmentally sustainable edge computing and communications for artificial intelligence
- Privacy and security challenges of generative AI

**Webinars with researchers and industry leaders**

- 10 webinars in 2024 and 11 planned for first half of 2025: [Webinar series >](#)

**All papers published and issues inviting submissions:** [Homepage >](#)



## ITU Kaleidoscope 2024

### [ITU Kaleidoscope 2024: Innovation and digital transformation for a sustainable world](#)

- Held in New Delhi, India, 21-23 October 2024 in conjunction with WTSA-24
- Focused on advancing digital technologies to address global challenges
- Over 140 submissions received
- Programme featured 56 papers, two invited papers, one keynote session and two special sessions highlighting the role of youth in global standards
- Three best papers shared a prize fund of 6,000 CHF
- All accepted and presented papers are [Kaleidoscope Proceedings](#) and the [IEEE Xplore Digital Library](#)





# Join us in Palexpo, Geneva

## 8-11 July 2025



Organizers



50+ UN Organizations



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Co-Covener