



WORLD TELECOMMUNICATION  
STANDARDIZATION ASSEMBLY



**ITU**WTSA

NEW DELHI**2024**

15-24 October 2024  
New Delhi, India

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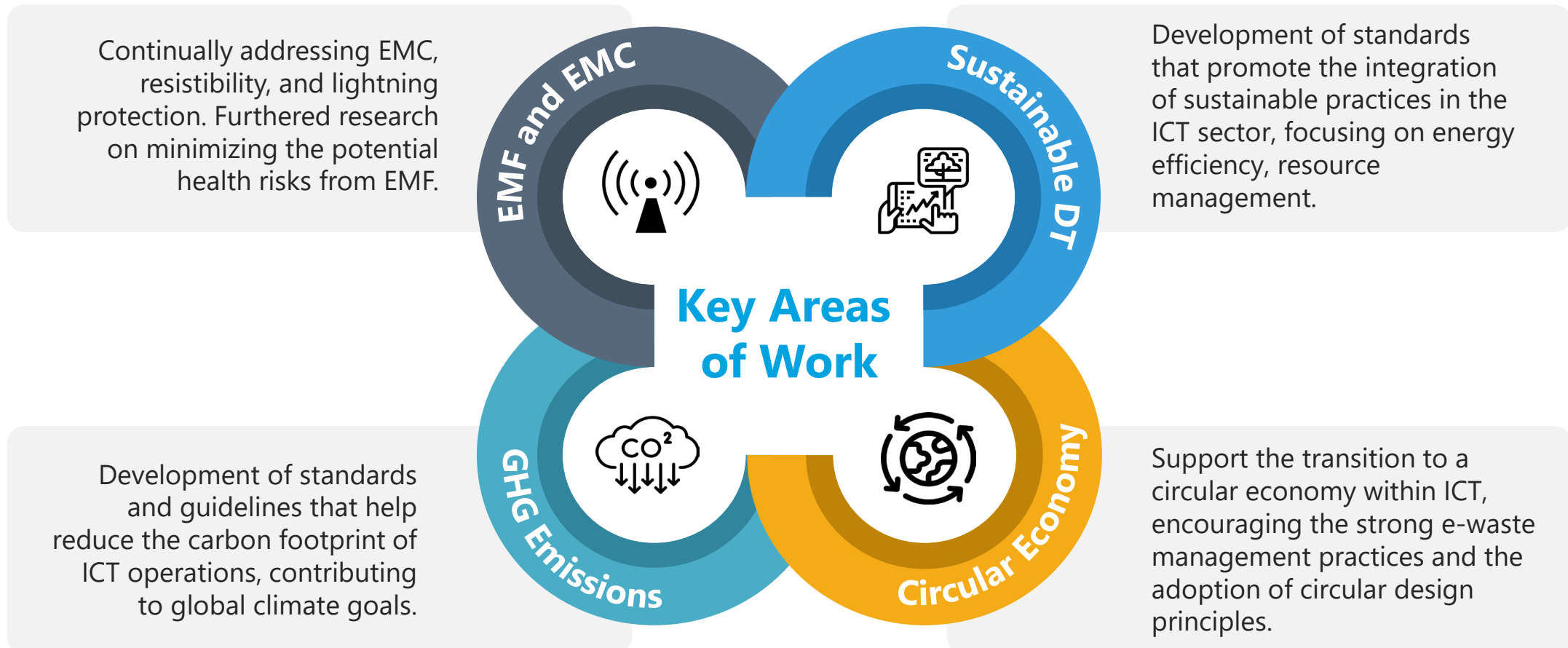
## **Overview of ITU-T Study Group 5 during the Study Period 2022-2024**

Dominique Würges  
Chair, ITU-T Study Group 5


October 2024



## ITU-T SG5: Key Areas of Work during 2022-2024



## ITU-T SG5: Key ITU-T Recommendations



**Guidance on determining the compliance boundaries (exclusion zones) of radio transmitter installations**

ITU-T K.153




**Energy saving technologies and best practices for 5G radio access network (RAN) equipment**

ITU-T L.1390



**Implementation of a virtual micro power station at base station sites**

ITU-T L.1384



**Electromagnetic compatibility requirements and test methods for satellite communication terminal equipment**

ITU-T K.157



**Carbon data intensity for network energy performance monitoring**

ITU-T L.1333



**Assess the enablement effect of ICTs in other sectors**

ITU-T L.1480

## Main Achievements

# ITU-T SG5: Main Achievements

01

Digital Product Passport

02

Regional Workshops on Key Topics

03

Guidance on Scope 3 Emissions for Operators

04

AI and the Environment

05

Argentina Case Study



Hosted by:



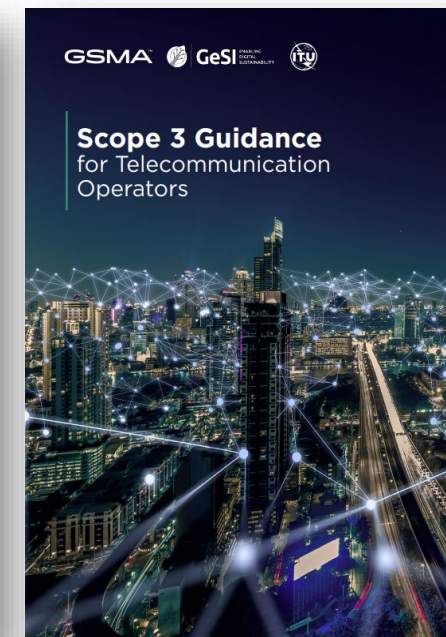
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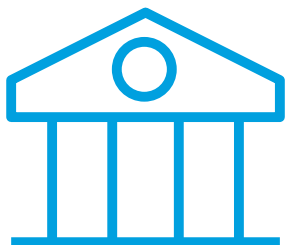
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## SG5 Ongoing and New Collaborations

### Electromagnetic Fields and Human Health Exposure



### Technically Aligned Standards



### Green Standards: Green Digital Action Initiative



### Climate Action



BASEL CONVENTION



GeSI  
ENABLING  
DIGITAL  
SUSTAINABILITY



One planet  
handle with care

## ITU-T SG5: Results



**7** SG5 meetings + WP



**23** Events



**39** New Recommendations



**600** Contributions



**29** Revised  
Recommendations



**264** Rapporteur E-Meetings



**4** Publications



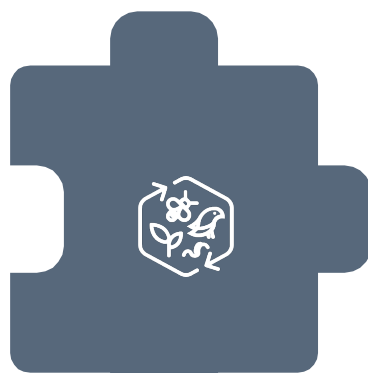
**6** Regional Group Meetings

## ITU-T SG5: Future Topics in 2025-2028

*ITU-T SG5's work does not stop here*



**Climate Action &  
Energy Efficiency**



**Biodiversity &  
Environmental  
Resilience**



**E-Waste &  
Circular Economy**



**Safety &  
Reliability**

## ITU-T SG5: Conclusion



“

I'm proud of our role in setting the standards that guide environmental and climate action in the ICT sector. With climate change affecting us all, the relevance of our work has never been more critical.

The ICT sector must be part of the solution, and SG5 is leading the charge in driving sustainable digital transformation. Through our collaborative efforts, we're ensuring that technology becomes a powerful tool in the fight against climate change.

- Dominique Würges, SG5 Chair

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**Thank you**