

Panel on GHG Trajectories



ICT sector GHG Trajectories : Ongoing work with GeSI, GSMA, IEA, SBTi

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ICT sector GHG Trajectories



The ITU : a Unique Public / Private partnership

The UN agency for ICTs

193 Member States (Governments and regulatory bodies)

+800 Private Sector (Sector Members and Associates)

+150 Academia

Cooperating on GHG trajectories with :



Progress status relatively to ICT sector trajectories



L.1450 Recommendation freely and publicly available

Methodologies for the assessment of the environmental impact of the information and communication technology sector

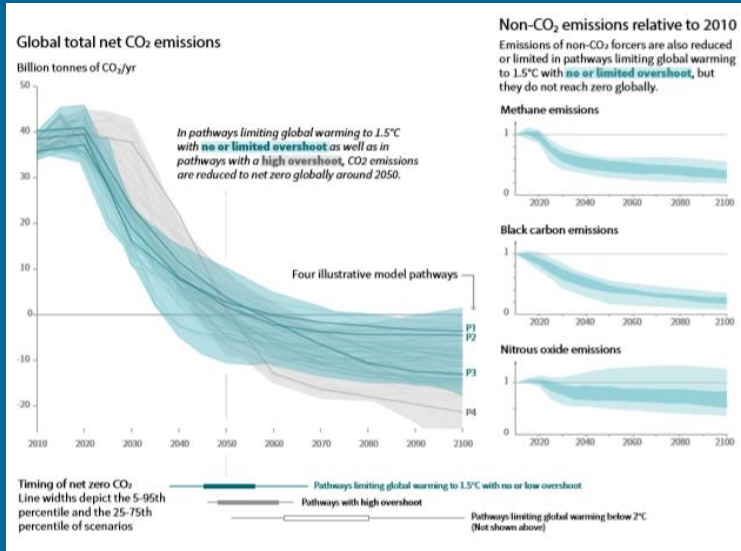
Ongoing work on ICT sector and ICT sub-sectors trajectories worldwide in cooperation with GeSI, GSMA, IEA, SBTi:

- ICT end-user goods
- ICT fixed networks
- ICT mobile networks
- Data centres
- ICT services

Progress status



The baseline year for the quantification of ICT sector GHG emissions is set as 2015.
Assessment on ICT sector and sub-sectors GHG emissions in 2015 under review

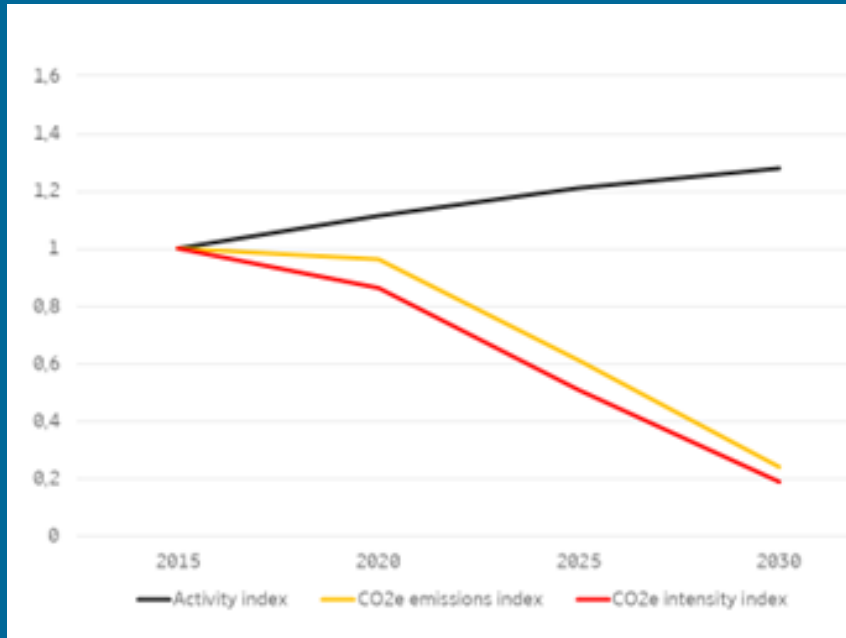


If an absolute contraction approach is followed,
GHG ICT sector in 2025 c/to 2015 : - 20%
GHG ICT sector in 2030 c/to 2015 : - 50%
GHG ICT sector in 2050 c/ to 2015 : - 88.5%

NOTE :

The remaining emissions in 2050 should be « net zeroed » by GHG removals set up by the ICT sector itself

Example of an ICT sub-sector trajectory prepared for the current SG5 Meeting



Consistent with SBTi SDA Trajectories

Trajectories have been prepared based on extensive datasets for :

- Mobile networks
- Fixed networks
- Datacenters
- User Devices

they include Activity, CO₂e emissions, CO₂e intensity

Will be discussed during the present SG5 meeting

Categories of actions to reach such ambitious targets



CATEGORIES:

OPERATING ENERGY-EFFICIENT NETWORK

1. Multiple power saving features
2. Alternative energy supply
3. Consolidation and virtualization
4. Free cooling & location optimization

EFFICIENCY IN BUILDINGS AND SERVICES

5. Monitoring solutions for efficient buildings
6. Focus on energy conservation measures
7. Alternative mobility concepts
8. Videoconferencing and audioconferencing

ALTERNATIVE ENERGY

9. Self-production of renewable energies
10. Purchasing renewable energy with the certificate of origin & PPA
11. Energy supply innovation

APPLICATION OF THE CIRCULAR ECONOMY PRINCIPLES

12. Eco-design of products and services
13. Reuse of network equipment
14. Optimizing the life cycle and end-of-life of customer products and services
15. Selling repairable products

Next steps



Expression of Interest, together with GeSI, sent to SBTi

Approval of a document on ICT sector and ICT Sub-sectors trajectories during the SG5 next meeting expected in September 2019

Development of a company level guidance, supported by a tool, with GeSI



Thank you !