



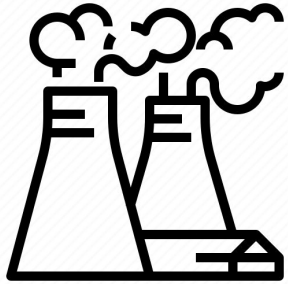
Sustainability Standards in ICT

Noelia Garcia Nebra
Head of Sustainability, ISO

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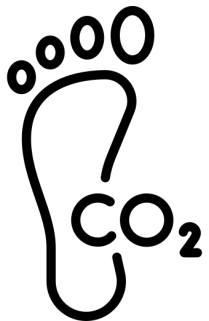
iso.org

Why sustainability is important for ICT



Environmental impact: The information and technology sector contributes nearly 4 per cent of global greenhouse gas emissions, a figure on par with the aviation industry.

E-waste: The world generates a staggering 50 million tonnes of electronic waste annually, with only a meager 20 per cent of this e-waste being recycled.



Carbon Footprint: Energy sector generates 40% of global emissions (13.6 Gt CO_2), with expected increases due to AI and digital growth.



International Standards deliver actionable solutions to global climate challenges



International Standards drives innovation in sustainability



Quality and Trust

- International standards catalyze sustainable innovation by ensuring product quality and safety while achieving technological advancements



Circularity

- International standards promote modularity, repairability, and recyclability, enabling circular design principles to be integrated into operations



Collaboration and Scalability

- International standards create a common language for global industries, enabling collaboration across borders and facilitating the scalable adoption of innovative sustainable practices.



International standards drives sustainability in ICT

Management Framework for Sustainability

Standards helps create a structured framework and plan to implement sustainable practices ensuring responsible resource use and minimizing environmental impact.

Interoperability

Standardization ensures compatibility among technologies and systems, facilitating the integration green solutions across various platforms.

Walking the Talk

The ISO, IEC and ITU as World Standards Cooperation have committed to include sustainability to be built into development of standards by design.

ISO, IEC, and ITU will host the inaugural International AI Standards Summit to mobilize the community and focus on how international standards for AI can foster innovation and growth **responsibly** and **sustainably**.

Save the date 2025 International AI Standards Summit



2-3 December



Seoul, South Korea

#AIstandardsSummit





Thank you.

Making lives *easier*, *safer* and *better*.