

Agenda item 4(a) v. Digital Technologies

Digital Technologies and NDCs

Draft Annotated Outline for the ITU-TEC Joint Publication

TEC/2026/32/10

TEC 32 & Joint session of the TEC - CTCN Advisory Board
14 – 16 and 17 April 2026 | Songdo, Republic of Korea



United Nations Climate Change
Technology Executive Committee

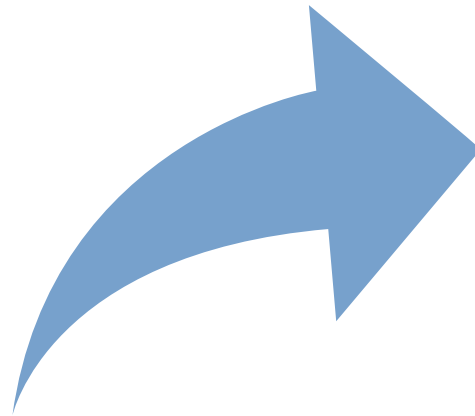
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Report structure

- Executive summary
- Introduction, Definitions, Methodology
- Digital technologies in 2035 NDCs (core findings)
- Digital sector in 2035 NDCs
- Notable use cases
- Annexes
- References



- **References** to digital technologies for climate action + digital sector
- Official NDC submissions with **2035 targets** in the stated time window
- **Descriptive** (not evaluative)

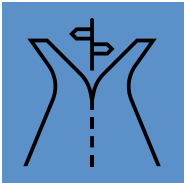
Digital technology references

Most commonly referenced

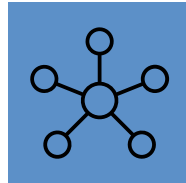
- Early warning systems (multi-hazard, sector-specific, risk communication framing)
- MRV / emissions tracking / transparency systems
- Data platforms, registries, dashboards
- Decision-support tools

Emerging/less common

- AI applications
- Digital tools in loss-and-damage-related contexts



**Mitigation vs
adaptation
references**



**Sectors where
digital solutions
appear**



**Multi-level
governance/local**

Key figures



Total NDCs (+140)



References



Increase from baseline

Additional indicators

Implementation characteristics in NDC language

- Targets/milestones/quantified references tied to digital measures
- Costing/budgets

Enablers and support mechanisms

- Links to financing instruments
- Technology transfer language
- Conditionality
- Technology Needs Assessments

Inclusion and social dimensions

- Digital inclusion / closing the digital divide
- R&D / pilots / innovation ecosystems
- Just transition mentions
- Gender considerations

NDCs references
to the ICT/digital
sector

Digital sector in 2035
NDCs



Use cases

Selection principles: regional diversity, sector variety, intervention types

Context

- (1) Initial situation/context
- (2) Opportunities for digital solutions

Solution

- (3) Digital solution description
- (4) Results obtained (descriptive)

Post-analysis

- (5) Challenges faced
- (6) Lessons learned

Indicative long-list: Albania, Antigua & Barbuda, Argentina, Bangladesh, Cambodia, Capo Verde, Chad, Comoros, Djibouti, Ecuador, Ethiopia, Fiji, Guatemala, Guyana, Haiti, Iraq, Kiribati, Liberia, Madagascar, Macedonia, Malaysia, Mauritius, Montenegro, Mozambique, Nepal, Niger, Sao Tome, Senegal, Solomon Islands, Somalia, South Africa, Tanzania, Tonga, and Uganda.



Next steps & milestones

- Final draft before TEC33: full report (tables/figures from dataset; narrative synthesis)
- Reviewer input is needed (structure, category choices, use case selection)



June Bonn Conference



AI for Good Summit



COP 31



Thank you.



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