

Agenda item 4(a) v. Digital Technologies

Proposal on the organization of work under Digital Technologies for the period of 2026–2027

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

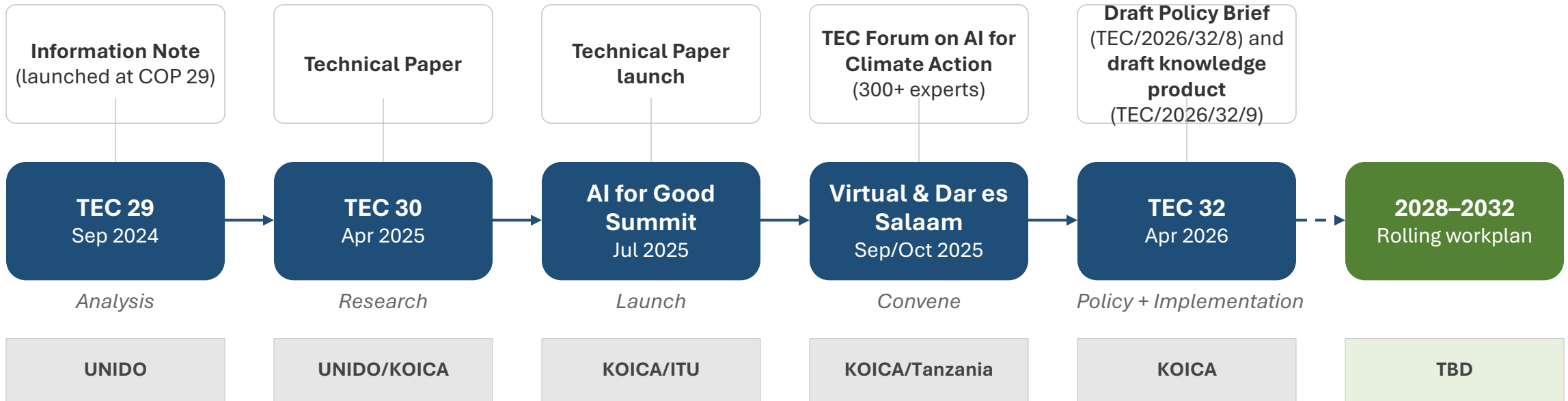


United Nations Climate Change
Technology Executive Committee

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Technology Executive Committee

Digital Technologies: AI Workstream - Evolution from Research to Implementation



Lead partner on AI for climate action since 2025: **KOICA**



Current workplan deliverables for 2026–2027

2026

1. Policy Brief *TEC/2026/32/8*

Opportunities, risks and challenges of AI for climate action

2. Knowledge Product on practical means to support AI implementation *TEC/2026/32/9*

Practical means to support AI implementation for transformative climate solutions in developing countries

3. Knowledge product/event on the local development of AI-powered solutions for climate action in LDCs and SIDS

2027

No activities



Proposal: Continue the organization of the TEC AI for Climate Action Forum in 2026 & 2027

Building on the successful organization of the Forum with KOICA in 2025, the Forum would continue to:

- **Raise awareness** of opportunities, challenges and risk of the use of AI for climate action
- **Enhance the capacity** of stakeholders regarding the use of AI for climate action in developing countries
- **Identify practical means** for addressing identified needs, including through match-making of government entities with technology and support providers
- **Consider perspectives of women, indigenous, youth and marginalized groups** on the use of AI for climate action

Format: In-person event

Dates: Sep/Oct 2026 and Sep/Oct 2027

Participants : Policy-makers, start-ups, academia, youth & women organizations, Indigenous Peoples, financial institutions & development agencies

Locations: TBC



Proposal: Continue the organization of the Technology Mechanism AI for Climate Action Award in 2026 & 2027

Building on the successful organization of the Award with KOICA in 2025, the Award would continue to:

- **Identify and promote impactful solutions** that use the power of AI for effective adaptation and mitigation action in LDCs and SIDS
- **Make open-source solutions available on the Technology Mechanism AI Climate Application Hub** (upon finalization)
- **Inform the TEC AI Forum** and other work of the TEC and the CTCN on this matter

Format: Same as for the 2025 Award:

- Call for submissions
- Review by expert panel of judges
- Capacity-building activities for semi-finalists and finalists
- Award ceremony at COP 31 and COP 32

Dates: Award 2026 (May-Nov) & Award 2027 (Mar-Nov)



Revised workplan deliverables for 2026–2027

2026

1. Policy Brief TEC/2026/32/8

2. Knowledge Product on practical means to support AI implementation TEC/2026/32/9

► Proposed activities in 2026 (if agreed by TEC)

TEC AI for Climate Action Forum 2026
2026 – replaces knowledge product/event on LDCs/SIDS

Technology Mechanism AI for Climate Action Award 2026
2026 – new joint activity for inclusion in the Technology Mechanism AI Initiative workplan

ITU-TEC joint publication on digital technologies and NDCs

2027

► Proposed new activities in 2027 (if agreed by TEC)

TEC AI for Climate Action Forum 2027
New activity

Technology Mechanism AI for Climate Action Award 2027
2027 – new joint activity for inclusion in the Technology Mechanism AI Initiative workplan



Thank you.



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