

Update on the Implementation of the Joint Work Programme of the Technology Mechanism

Technology Mechanism Initiative on AI for Climate Action

Maia Tskhvaradze

Programme Officer, UN Climate Change

Valentin Rudloff

Climate Technology Specialist, CTCN



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1.

TEC Activities under the Initiative in 2026



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TEC activities in 2026

Knowledge product

Practical means to support AI implementation for transformative climate solutions

Policy Brief

Opportunities, risks and challenges of AI for climate action

ITU-TEC Joint Publication

Digital technologies and NDCs

Inputs on AI

Contributions to other TEC knowledge products

TEC AI for Climate Action Forum 2026

Local development of AI-powered solutions in LDCs and SIDS



TEC activities in 2026

- **Venue:** Shangri-la Hotel, Phnom Penh, Cambodia
- **Dates:** 13-14 October 2026
- **Participants:** Policy-makers, start-ups, academia, youth & women organizations, Indigenous Peoples, international financial institutions & development agencies, UN agencies



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Agenda and further information at: https://unfccc.int/ttclear/tec/aica_forum2026



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2.

CTCN Activities under the Initiative in 2026



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Technical Assistance Examples

Asia-Pacific

Enhancing weather and climate data management Innovation in **Tajikistan** through an AI- and Observation-Based High-Resolution Data Management Platform
(under preparation)

Africa

Riverine Flood Early Warning and Agricultural Climate Information System for Smallholder Farmers along the Shabelle and Juba River Basins in Somalia *(under preparation)*

Latin America and the Caribbean

Artificial Intelligence Pilot for Non-Revenue Water Reduction in Tocopilla, **Chile** *(under preparation)*

Eastern Europe

Wildfire Information System Enhancement Project in **North Macedonia** *(under implementation)*



Capacity Building – In person

Activities in 2026 - 1.2.5. Capacity-building of NDEs on AI for climate action

- Asia (8-9 July): Matchmaking 18 NDEs and 17 NDAs with Network members with AI expertise – ClimateProbit, W.plat
- SIDS (16-17 September): 10 NDEs - Education sessions on AI application in Energy sector, partnered with GGGI and Google DeepMind. Speakers included World bank and Palantir.



Capacity Building - Online

Activities in 2026 - 1.2.5. Capacity-building of NDEs on AI for climate action

- 23 April: Hybrid session on “Delivering AI for Climate Action in LDCs and SIDS” at the Climate Week
- 12-14 May: Online workshop on “Strengthening All-of-Society Capacities for Disaster Risk and Climate Resilience: Inclusive Governance and Innovative Mechanisms” co-hosted with UNDRR, UNOPS, UNITAR



The image shows a banner for an online workshop. The banner includes the logos of the United Nations, Department of Economic and Social Affairs, unitar, cifal, UNDRR, MCR 2030, Making Cities Resilient, UN environment programme, and CTCN. The text on the banner reads: "Online Workshop", "Strengthening Whole-of-Society Capacities for Disaster Risk Reduction and Climate Resilience: Inclusive Governance and Innovative Mechanisms", "12 - 14 May 2026", and "Joint Certificate Programme". It also lists the times for the workshop in Seoul, Bangkok, and New York. To the right of the banner is a grid of video feeds showing participants in the workshop.



Youtube recording



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Knowledge Products

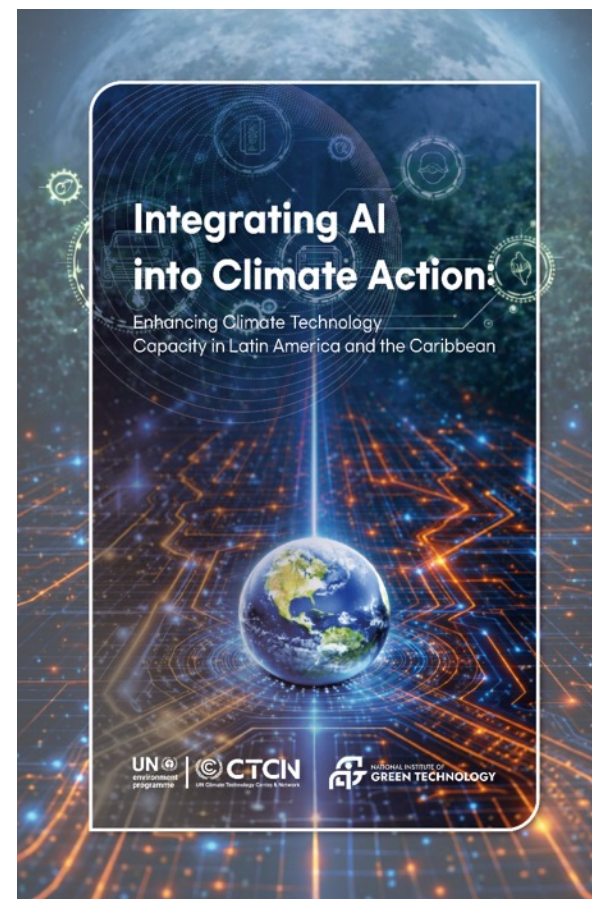
Case studies in Latin America and the Caribbean

- 12 case studies from the LAC region: The Cayman Islands, Suriname, Trinidad & Tobago, Brazil, Colombia, Uruguay, Bogota, Santiago, Mexico

Complemented by a Social Media Campaign:

- Sharing examples as references for NDEs to inform future technical assistance development
- Promotion started from July through #DidYouKnow SNS campaign and Newsletter

Progress - 2026 AI cases in Africa: Invitation to the TEC, Partner identification underway, with publication targeted for 2027.



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3.

TEC-CTCN joint Activities in 2026



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Technology Mechanism AI4Climate Action Award 2026





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TEAM
BENEDIKTA A.
BERNADI



TEAM
CESILIA
MAMBILE



TEAM
DJENEBA
DOUMBIA



TEAM
FARIA I.
SARA



TEAM
UPENDO E.
LYIMO

Fostering an Alliance of Public and Private Stakeholders

Approach

Increasing the visibility of AI4ClimateAction initiative to public and private sector stakeholders to strengthen an alliance

Cross-participation in events

- International AI and Climate Change Conference (RoK, July 2025)
- AI for Climate Action Forum 2025 (Tanzania, October 2025)
- 2025 KOICA Climate AI Forum (RoK, November 2025)



Network for Regional AI4Climate Action

Approach

Calling for prospective Network members with AI to the existing Network pool

Support from NDEs

1st batch with 23 organizations/entities invited to CTC Network membership, May 2025, and 3 received network membership status (as of December 2025)

Current Status

CTCN received 17 applications with demonstrated AI-related capabilities, and 6 have joined as new members (as of September 2026)



AI Climate Application Hub

The AI Climate Application Hub was launched in partnership with the Digital Public Goods Alliance (DPGA) as "DPGs for Climate Action" Collection.

Progress:

- The partnership with the DPGA was announced at SB64
- The "DPGs for Climate Action" collection has onboarded first solutions with further solutions being screened.
- Regular meetings between the DPGA, TEC and CTCN Secretariats are held to discuss the evolution and dissemination of the collection



AI Climate Application Hub

Past and planned activities for dissemination:

- Internal "DPG Information Session" with CTCN technical assistance team was held on 27 August to introduce the concept of digital public goods and present examples
- Continuous internal information sessions planned along the onboarding of new DPGs
- CTC Network and NDE webinars are foreseen to introduce the concept of digital public goods

The screenshot shows a presentation slide titled "Built for Real-World Adoption and Sustainability" from TerraFrame. The slide content includes:

- TerraFrame**
 - Open-source geospatial software company since 2010
 - Began by developing open-source disease intervention decision support solutions deployed in multiple countries
- Where GeoPrism has been used**
 - U.S. Department of the Interior
 - U.S. Army Corps of Engineers
 - Lao People's Democratic Republic
 - National geospatial agency of Mozambique (ADE)
- Standards and interoperability**
 - TerraFrame is the only organization trying to facilitate interoperability between Open Geospatial Consortium (OGC) and Health Level 7 standards
- Institutional sustainability:** authoritative organizations continue governing their own data rather than a project creating a centralized copy that becomes stale when funding ends.
 - Most funding over the past four years has come from engagements with U.S. government agencies
 - Some funding has been received through OGC Climate and Disaster Resilience research projects (funded by Natural Resources Canada and the U.S. Geological Survey)

The slide also features a map of the United States with a red highlighted area, a screenshot of a software interface, and a small inset map of the world. The TerraFrame logo is at the bottom left, and the GeoPrism logo is at the bottom right. A video call overlay on the right side shows several participants: Valentin Rudloff, Prachi Shahare (DPGA), Jameson Vossin (DPGA), Giovanna Paiva Aguiar, and Nathan Midachon. The slide number 53 is visible at the bottom center.



4.

Outlook of TEC-CTCN joint Activities in 2026/2027



COP 31 Masterclass on AI for Water-Energy-Food Systems



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