

# 2025 SIDS NDE Joint Programme

Updates on the Joint Work Programme  
of the Technology Mechanism (2023-  
2027)

PRESENTER

CTCN Secretariat



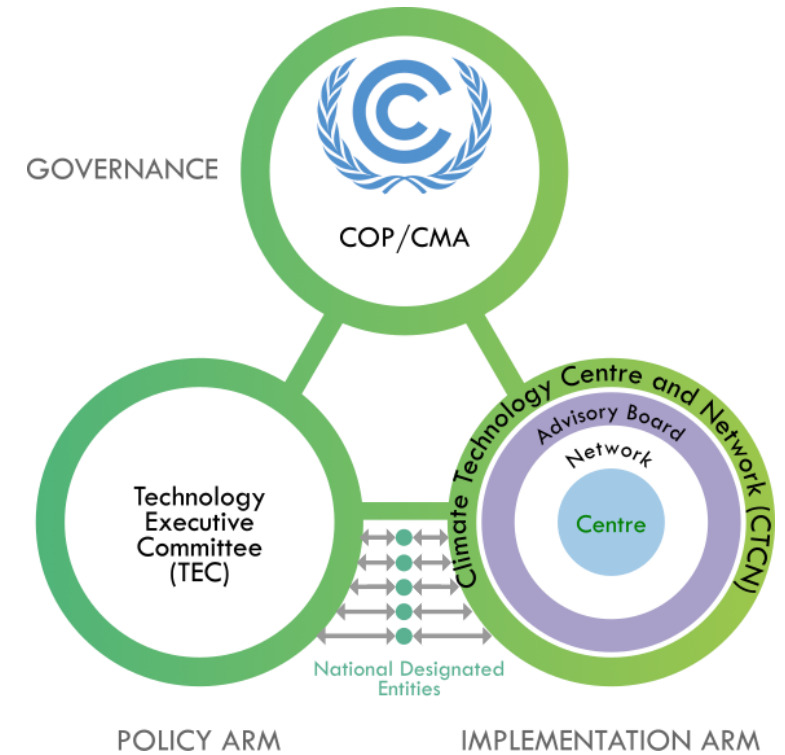
# UNFCCC Technology Mechanism

## 2010 – COP 16, Cancun

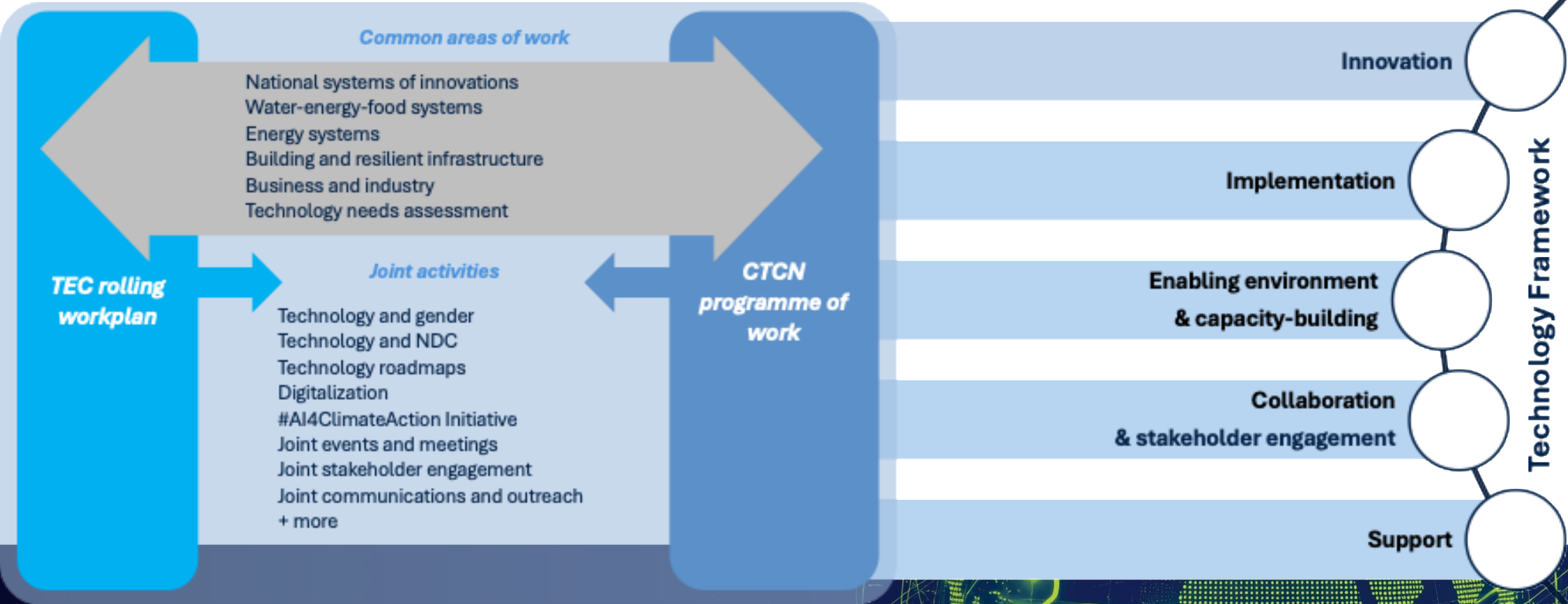
The **Technology Mechanism** was established, consisted of the Technology Executive Committee (policy arm) and Climate Technology Centre and Network (implementation arm), to enhance action on climate technology development and transfer.

## 2015 – COP 21, Paris

The Paris Agreement established a **technology framework** to provide overarching guidance to the Technology Mechanism and mandated the TEC and CTCN to serve the Paris Agreement.



# Joint Work Programme of the Technology Mechanism 2023-2027



# Common area of work: Water-Energy-Food Nexus

Between 2024 to the present 5 TAs on WEF systems have been completed in SIDS countries

Key Themes for these TAs has been

- Planning/ modeling tools
- Aquifer mapping
- Food security research
- Feasibility studies and technology piloting

Current and upcoming technology solutions in the form of TAs:

- Drought risk modeling - Suriname
- Water loss reduction with GIS monitoring -St Kitts & Nevis

## Reflections pertinent to TEC work

CTCN will use TEC&FAO knowledge product: “Climate Technologies for Agrifood Systems transformation” in capacity-building events, regional forums where applicable and when developing TA request

## CTCN feedback to TEC

TEC to analyze CTCN lessons learnt from using the knowledge product in TA implementation



# Common area of work: Business and Industry

**Between 2024 to the present 1 TA request has Business and Industry have been received from a SIDS country –Jamaica**

The TA requests is on : Identifying and preparing a system of payments for ecosystem services, to manage and protect their watersheds

More requests under this area have recently been closed.

## **Reflections pertinent to TEC work**

CTCN to use TEC policy brief on hard-to-abate industries for future TA development.

## **CTCN feedback to TEC**

Lessons learnt from CTCN's TAs on cement to be shared with TEC and used in TEC analysis of standards for low and near zero emissions production and products CTCN to contribute to Technology Day at COP 30.



The Technology Executive Committee (TEC) is the policy arm of the Technology Mechanism. It focuses on identifying policies that can accelerate the development and transfer of **technologies that foster** low-emission and climate-resilient **development**.

# TEC Mandate and Activities

## Functions

- Analyze policy and technical issues related to climate technology development and transfer
- Recommend actions to promote climate technology development and transfer
- Recommend guidance on climate technology policies and programmes
- Promote and facilitate collaboration between climate technology stakeholders
- Recommend actions to address barriers to climate technology development and transfer
- Seek cooperation with climate technology stakeholders and promote coherence across technology activities
- Catalyse the development and use of climate technology roadmaps and action plans

## Outputs

- Policy recommendations
- Knowledge products
- Analysis & synthesis
- Dialogues & events
- Initiatives & global engagements
- + more

## Conducting work

- 2 meetings per year
- Joint sessions with the CTCN Advisory Board
- Intersessional work through task forces and activity groups
- Engagement with representatives of all UNFCCC constituencies
- Gender mainstreaming
- Collaborative partnerships
- + more



# TEC Rolling Workplans

- Contains activities of the TEC to implement its functions as mandated by Parties and the Technology Framework
- “Rolling” – to reflect dynamics of the work in response to annual guidance from Parties and changing circumstances
- Development is usually initiated at the second meeting in the last year of workplan period, and may include consultations with relevant stakeholders
- **Four rolling workplans** have been developed and implemented. Each rolling workplan between 2 – 4 years.

2012–2013

2014–2015

2016–2018

2019–2022

- The TEC is currently implementing its **rolling workplan for 2023-2027**, as part of the first ever joint work programme of the Technology Mechanism.



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Find out more: <https://unfccc.int/ttclear/tec/workplan>

# TEC rolling workplan 2023-2027

Part of the joint work programme of the Technology Mechanism, the TEC rolling workplan for 2023-2027 provides a framework for the TEC to deliver on its mandate in the era of implementation of the Paris Agreement through promoting science-based and systemic approaches, bolstering transformative technology solutions, focusing on high-impact, high-potential sectors and actions and leveraging collaborative partnerships across four workstreams

- |          |   |  |          |
|----------|---|--|----------|
| <b>1</b> | <b>NSI, Collaborative RD&amp;D &amp; General-Purpose Technologies</b> | <b>TNAs &amp; technology planning tools to support NDC implementation</b>                        | <b>2</b> |
| <b>3</b> | <b>Transformative &amp; innovative solutions</b>                      | <b>Collaboration &amp; engagement with other UNFCCC processes/bodies &amp; other UN agencies</b> | <b>4</b> |

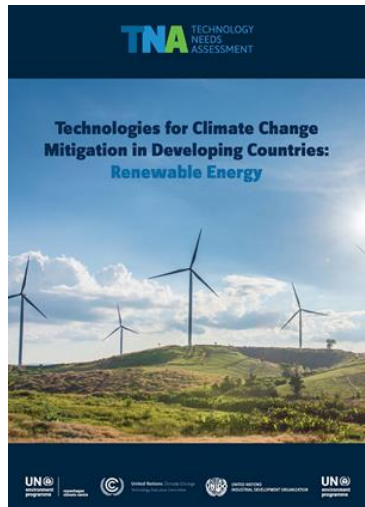
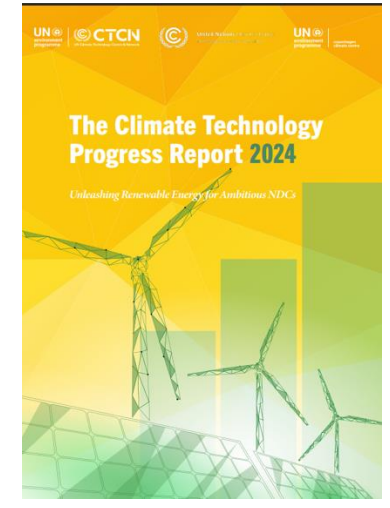
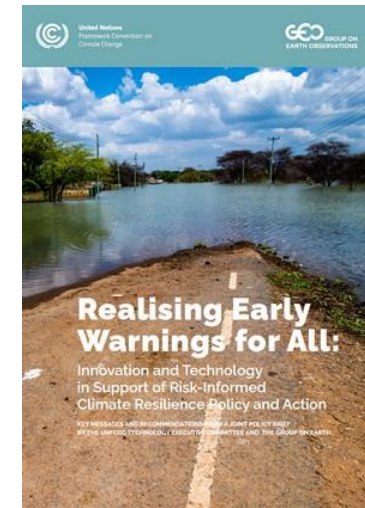
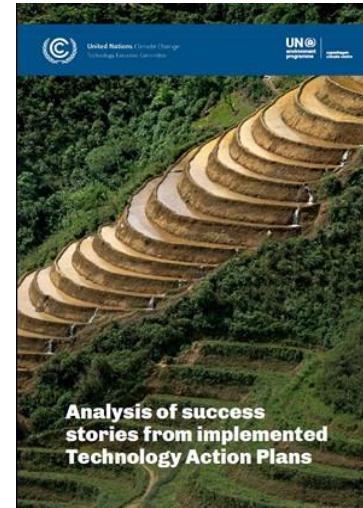
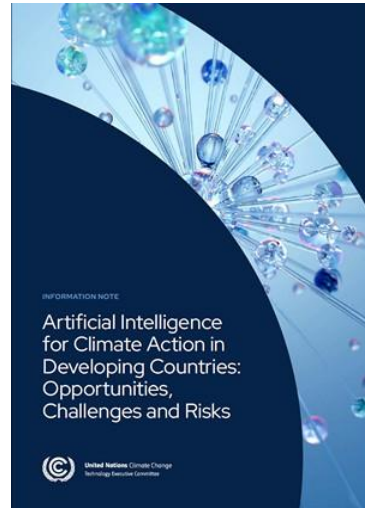


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## Informed by

Parties' guidance  
Mandates and functions of the TEC  
Technology Framework  
Science  
Transformative solutions  
NDCs  
Climate goals and the SDGs  
Gender-responsiveness  
Mindful of resource implications  
Pragmatic approaches

# Latest TEC Publications



# Collaborative Engagement and Partnerships



Regional Collaboration Centre – Kampala  
Promoting Action Against Climate Change



GREEN CLIMATE FUND



IGES

Regional Collaboration Centre – Bangkok  
Promoting Climate Action in Asia and the Pacific



copenhagen climate centre



Global Alliance for Buildings and Construction



KOICA



INDUSTRIAL TRANSITION ACCELERATOR

Marrakech Partnership



FEBA  
Friends of Ecosystem-based Adaptation



IRENA  
International Renewable Energy Agency



ADAPTATION FUND



FCA  
Future Cleantech Architects

G-STIC

GACSA  
GLOBAL ALLIANCE FOR CLIMATE-SMART AGRICULTURE



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# Technology Mechanism Initiative on AI for Climate Action



#AI4ClimateAction



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# Joint Initiative on AI for Climate Action Capacity Building in 2025

## Online course

Led by Network member BCI, the CTCN offered a free FinTech course to interested NDEs.

## Online materials

CTCN has distributed CB on AI recordings via Youtube channel



**bci**  
Business Climate Initiative

FUNDED BY: **Indico** GLOBAL

**Understanding Digitalization and Climate Fintech: Legal and Regulatory Perspectives from the EU**  
CURRICULUM BROCHURE (July-August 2025)

**OVERVIEW**

**Empowering Global Leaders in Climate Action**

This specialised online course, "Understanding Digitalization and Climate Fintech: Legal and Regulatory Perspectives from the EU", is designed to empower climate negotiators, policymakers, and industry leaders, particularly from developing countries, in capitalising climate-related financial technology (climate fintech) to leapfrog climate actions effectively. Over ten comprehensive modules, participants will delve into emerging digital technologies such as Artificial Intelligence (AI) and Blockchain/Distributed Ledger Technology (DLT), exploring their transformative potential for climate policy implementation.

The programme will demystify European digital society-related standards, relevant regulatory frameworks, and sustainable finance principles, etc. as a reference case study. Participants will be equipped with the capacity to adapt European standards and drive impactful climate actions. This course aims to foster international collaboration, build local capacity in pursuing the digitalization of climate actions, and cultivate a network of knowledgeable professionals poised to lead at the intersection of finance, digital innovation, and climate change.

The learning journey culminates with an exclusive invitation to the BCI Annual Fin-CCP Technology Information Session, offering insights into the latest technology development relevant to climate action.

**KEY PROGRAMME DATES**

- Enrolment Deadline: 5 July 2025 (Saturday)
- Programme Launch: 7 July 2025 (Monday) (the first lecture to commence on 11 July 2025 (Friday))
- Deadline for Completion: 30 September 2025
- Annual Technology Information Session: 29 August 2025 (Friday)

**ONLINE ENROLMENT DEADLINE: 5 JULY 2025 (SATURDAY)**

Scan me!

**COURSE OBJECTIVES**

The online course aims to:

- Empower participants with new legal and regulatory knowledge about the application of emerging digital technologies like AI and Blockchain in climate actions;
- Enable participants to implement or facilitate digital solutions in various climate policy areas and foster collaboration between EU and non-EU experts;
- Understand the fundamental principles of key digital technologies, such as AI and Blockchain, and their application in Climate Fintech;
- Analyse the legal and regulatory perspectives of digitalisation and Climate Fintech, with a particular focus on EU frameworks, standards, and sustainable finance principles;
- Identify opportunities to implement or facilitate digital solutions in various climate policy areas, especially in developing countries; and
- Evaluate how EU digital standards and policies can be leveraged to strengthen international climate agreements and support their effective implementation.

Capacity Building Division  
May 2025