

Artificial Intelligence for Climate Action under the UNFCCC



Mr. Thibyan Ibrahim, Chair, UNFCCC Technology Executive Committee

UNFCCC Technology Mechanism

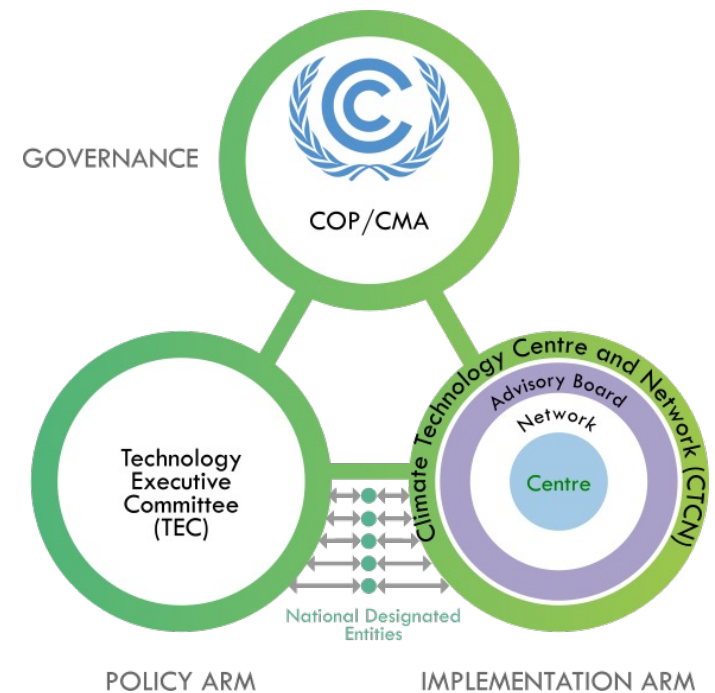
Established in 2010 to enhance action on climate technology development and transfer

Technology Executive Committee (TEC)

- Policy arm of the Technology Mechanism
- Recommends & addresses technology policy issues
- Facilitates development of technology planning tools

Climate Technology Centre and Network (CTCN)

- Implementation arm of the Technology Mechanism
- Provides technical assistance, information & knowledge sharing, network & capacity-building



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First references to AI at COP 28 and CMA 5 (Dec 2023)

- **Technology Mechanism Initiative on AI for Climate Action #AI4ClimateAction**
 - Explore the role of AI for advancing & scaling up transformative climate action in developing countries, with a focus on LDCs and SIDS
 - Address challenges & risks posed by AI: energy consumption, data security & digital divide
- **Technology Executive Committee (TEC) and Climate Technology Centre and Network (CTCN) to implement the #AI4ClimateAction Initiative & enhance awareness of AI** and its potential role in accomplishing climate technology priorities identified by developing countries & in implementing other work of the TEC and CTCN



UNFCCC Technology Mechanism #AI4ClimateAction Initiative

2024-2027 workplan for the #AI4ClimateAction Initiative (Apr 2024)

- Workstream 1: **Support the implementation of technology priorities** of developing countries & other **work of the TEC & CTCN** (knowledge products, training, technical assistance)
- Workstream 2: **Enhance capacities** of stakeholders from LDCs and SIDS (AI Innovation Grand Challenge & Application Hub, workshops, networks)
- Workstream 3: **Raise awareness** (Events at COPs etc.)

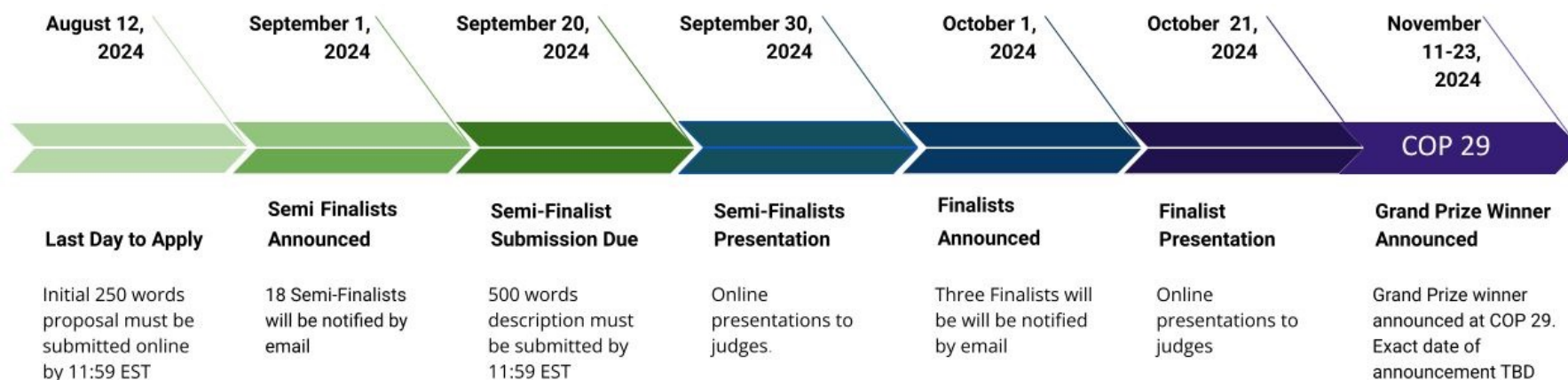
Further information at: unfccc.int/ttclear/artificial_intelligence



AI Innovation Grand Challenge

- Launched at COP 28 (Dec 2023) by the TEC and Enterprise Neurosystem
- Identify AI-powered climate solutions for LDCs and SIDS
- Support the development & scale up of identified solutions through finalist prizes (Sponsored COP 29 attendance, technical assistance and mentorship, cloud computing credits, cutting-edge software)
- Distribute identified solutions through the open-source AI Climate Application Hub
- Call for submissions open until **12 August 2024**

Further information at: enter.innovationgrandchallenge.ai



**Global open-source AI competition
seeking brilliant ideas to drive new
applications for climate action**

AI Innovation Grand Challenge

**Proposal submission deadline
12 August 2024 23:59 EDT**



United Nations
Climate Change

TEC



**ENTERPRISE
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On social media:

#TEC

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[**enter.innovationgrandchallenge.ai**](https://enter.innovationgrandchallenge.ai)