

Workplan for the Technology Mechanism Initiative on AI for Climate Action (2024–2027)

Workstream	Lead	Activity	Deliverables			
			2024	2025	2026	2027
1. Support the implementation of the Technology Mechanism Joint Work Programme (2023–2027) and the implementation of TNA outcomes	TEC Activity Group on Digital Technologies	1.1. Support the implementation of the TEC rolling workplan (2023–2027)	1.1.1. Technical paper on AI for climate action, including an audit of the potential role of AI for supporting the implementation of the joint work programme and the implementation of TNA outcomes <i>Supported by: UNIDO</i> 1.1.2. Short information note on AI for climate action based on the outline of the technical paper on AI for climate action in deliverable 1.1.1 <i>Supported by: UNIDO</i> 1.1.3. Inputs on AI to the TEC/GEO knowledge product on emerging and transformational adaptation technologies (EWS)	1.1.4. Policy brief on opportunities, risks and challenges of AI for climate action 1.1.5. Inputs on AI to the TEC knowledge product on NSI 1.1.6. Inputs on AI to the TEC work on energy storage 1.1.7. Inputs on AI to the TEC knowledge product on carbon footprint and building codes 1.1.8. Inputs on AI to the TEC analysis of standards for low and near zero emissions solutions for hard-to-abate industries 1.1.9. Inputs on AI to the knowledge product on how developing countries can be supported in updating their TNAs and implementing their TAPs and TNA outcomes	1.1.10. Inputs on AI to the TEC tool to identify country needs for the setup and implementation of NSI 1.1.11. Inputs on AI to the TEC knowledge product on RD&D	
	CTCN Secretariat	1.2. Support the implementation of the CTCN programme of work (2023–2027)	1.2.1. Capacity-building of NDEs on AI for climate action 1.2.2. Implementation of technical assistance with components of AI as per the demand by the countries	1.2.3. Capacity-building of NDEs on AI for climate action 1.2.4. Implementation of technical assistance with components of AI as per the demand by the countries	1.2.5. Capacity-building of NDEs on AI for climate action 1.2.6. Implementation of technical assistance with components of AI as per the demand by the countries	1.2.7. Capacity-building of NDEs on AI for climate action 1.2.8. Implementation of technical assistance with components of AI as per the demand by the countries

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	TEC-CTCN Joint Taskforce on AI	1.3. Support the implementation of common areas of work and joint activities		1.3.1. Knowledge product/event on the use of AI for improving energy systems <i>Proposed partners: IEA, IRENA, Clean Energy Ministerial, Mission Innovation</i>	1.3.2. Knowledge product/event on the use of AI for the water-energy-food nexus <i>Proposed partners: FAO; Innovation Commission for Climate Change, Food Security and Agriculture; Agriculture Innovation Mission for Climate</i>	
		1.4. Undertake resource mobilization and partnership development	1.4.1. Fundraising proposal for the Initiative	1.4.2. Framework for developing an alliance of public and private sector stakeholders worldwide active in this space		
2. Enhance the capacity of stakeholders from LDCs and SIDS regarding the use of AI for climate action, in a way that is responsive to gender and vulnerable communities	TEC Activity Group on Digital Technologies	2.1. Enhance the capacity of stakeholders from LDCs and SIDS	2.1.1. AI Innovation Grand Challenge <i>In partnership with Enterprise Neurosystem</i> 2.1.2. Workshop on AI for climate action, including representatives of LDCs and SIDS <i>In partnership with UNU</i>	2.1.3. Concept note on practical means to support AI implementation for transformative climate solutions considering the impact of AI on climate change in developing countries, with a focus on LDCs and SIDS, such as an AI climate accelerator	2.1.4. Knowledge product/event on the local development of AI-powered solutions for climate action in LDCs and SIDS, including perspectives of women, indigenous, children, youth and marginalized groups on the use of AI for climate action (e.g. link youth innovation labs to the works of the initiative)	
	CTCN Secretariat	2.2. Enhance the capacity of stakeholders from LDCs and SIDS		2.2.1. Online platform of regional AI4ClimateAction network		
	TEC-CTCN Joint Taskforce on AI	2.3. Enhance the capacity of stakeholders from LDCs and SIDS	2.3.1. AI Climate Application Hub <i>In partnership with Enterprise Neurosystem</i>			

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3. Raise awareness of AI for climate action, including on challenges and risks posed by AI such as energy consumption, data security and the digital divide in this context	TEC-CTCN Joint Taskforce on AI	3.1. Raise awareness of AI for climate action	3.1.1. Summary of COP 28 High-level event on AI, including video recording and presentations 3.1.2. COP 29 event 3.1.3. Virtual participation in the Climate Change AI Summer School 2024	3.1.4. Inputs to the work of the UN Secretary-General Advisory Body on AI as appropriate		

Note: Other potential partners and supporter for the implementation of the workplan proposed by members of the TEC-CTCN joint taskforce on AI include the UNFCCC observer constituency of business and industry NGOs, the International Chamber of Commerce, Amini, Boomitra, Enterprise Neurosystem, Google (including Google Flood Hub), IBM (including the IBM Sustainability Accelerator), and Microsoft (including the Microsoft Africa Research Institute), Planet, US Council for International Business, Green Spider, PlantVillage, George Washington University, Massachusetts Institute of Technology, University of Southern California, LinkedIn, Allen Institute for AI, Bezos Earth Fund, Bloomberg Philanthropies, ClimateWorks Foundation, Gates Foundation, Open Earth Foundation, Rockefeller Foundation, United Nations Foundation, ITU AI for Good Initiative.