2023-2024 Implementation Plan
TEC rolling workplan 2023-2027
(11 April 2023)

ID	Activity	Outputs in 2023	Outputs in 2024	Co-leads of the Activity Group
A.1.1	**NSI**: Continue the work on NSIs, building upon the TEC's compilation of good practices and lessons learned on the setup and implementation of NSIs, and consider the following: i) The possible inclusion of examples of gender responsive practices, and ii) The findings of the IPCC AR6 Working Group III report relevant to strengthening NSI and, in particular, the policy frameworks that are effective enablers for Research & Development and Innovation, including access to funding.	i. Compilation of good practices and lessons learned on the setup and implementation of NSI ii. Summary for policymakers and targeted stakeholders	i. Regional events to present and discuss NSI compilation findings	Sergio La Motta Erwin Rose Ambrosio Yobanolo
A.2.1	**RD&D**: Building on the TEC's work on collaborative RD&D, analyse the needs for RD&D for high-impact emission-reduction technologies to help countries implement their NDCs and other mitigation strategies, and ensure long-term environmentally sustainable energy supply. Identify ways to increase participation of developing country Parties in collaborative approaches to RD&D.	i. Survey on Future Needs of Cleantech Research, Development and Demonstration		Dietram Oppelt Sergio La Motta Ambrosio Yobanolo
A.3.1	**Emerging and transformational adaptation technologies**: Building on the TEC's work on innovative approaches on adaptation technologies (Technology Day), identify and analyse emerging and transformational technologies for adaptation (e.g. early warning systems and disaster risk management), including the role of finance and the private sector in supporting their deployment.	i. Engagement with potential partners to identify areas for collaboration	i. Knowledge product on emerging and transformational adaptation technologies	Lennox Gladden Muhammad Farooq Erwin Rose Mareer Mohamed Husny
A.4.1	**Digital Technologies**: Explore the role of AI and applied machine learning as enablers of climate solutions. Topics which could be further explored include: a) Individual AI models for distinct climate challenges based on satellite imagery analysis, atmospheric analysis, and AI acoustics. b) Integration and networking techniques to connect AI data sources (climate sensors, AI model outputs, research databases, etc.). c) Cross-correlation AI models and frameworks(higher order climate analysis and modes of course correction) d) AI model and database catalogues (AI technology transfer and data access) e) AI development approaches and education, including the avoidance of bias.	i. Introduction /Presentation on AI and applied machine learning at TEC 27 ii. Workshop/event to raise awareness of the role of AI and applied machine learning as technologies that can be used to address specific climate challenges		Dietram Oppelt Erwin Rose Stephen Minas Ambrosio Yobanolo
B.1.1	**TNA**: Update TNA guidance taking into account: - COP/CMA guidance; - CTCN's experience providing support for TNAs; - results of the implementation of earlier guidance on incorporating gender in TNAs Include considerations on how developing countries can be supported in updating their TNAs and implementing their TAPs and TNA outcomes	i. Gap assessment of guidance on TNA as the basis for initiating the update of the guidance ii. Event with financial actors to raise awareness of TNA results	i. Analysis of success stories of implemented TAPs and identification of key elements of success	Md Harun Or Rashid Monique Motty Ping Zhong
B.2.1	**Long-term technological transition pathways**: Building on the TEC's previous work on linkages between the TNA and NDC process and its work on technology roadmaps, identify and analyse how the TEC can support countries in the development of long-term technological transition strategies, through to the uptake of climate technologies		i. Workshops on Long-term Low Emissions and Development Strategies - LTLEDS	Kenichi Wada Md Harun Or Rashid Dietram Oppelt Ping Zhong Omar Alcock

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C.1.1	**Water-Energy-Food Systems**: Building on the TEC's previous work on climate-smart agriculture, analyse knowledge gaps on the water-energy-food nexus and identify relevant adaptation technologies, including indigenous, innovative and digital technologies (e.g. early warning systems), to strengthen adaptation planning (NAPs) and NDC ambitions in the agriculture sector	i. Thematic dialogue in collaboration with FAO on the water-energy-food nexus	i. Knowledge product on a specific topic derived from the outcomes of the thematic dialogue ii. Event at COP with partner	Lennox Gladden Kinga Csontos Monique Motty Mareer Mohamed Husny
C.2.1	**Buildings and infrastructure**: Explore the use of low carbon materials in buildings, green building codes and green zoning systems that promote energy efficiency and resilience.		i. Event/thematic dialogue/ workshop on green building codes and green public procurement	Dietram Oppelt Monique Motty
C.3.1	**Transformative industry**: Promote low and near zero emission production and products (e.g. steel, cement) through the support of innovation, enabling environments, sustainable purchasing commitments, and financing in order to inform NDC planning and implementation	i. Mapping of existing initiatives to identify areas where the TEC could add value	i. Dialogue / Technology Day event	Kenichi Wada Dietram Oppelt Ping Zhong
C.4.1	**Innovative Ocean Climate Solutions**: Building on the TEC's previous work on innovative technological and ecosystem-based approaches to strengthening ocean and coastal adaptation, analyse the contributions of innovative solutions and technological innovations for ocean-based actions, including how technology can help address issues related to marine protected areas and achieve the SDG 14.	i. Participation in the UNFCCC Ocean and Climate Change Dialogue		Stephen Minas Ambrosio Yobanolo
D.1.1	Provide inputs to the SCF on the draft guidance to the Operating Entities of the Financial Mechanism (OE FM)	i. Inputs to the draft guidance to OE FM	i. Inputs to the draft guidance to OE FM	Ambrosio Yobanolo Erwin Rose Ping Zhong
D.2.1	Participate as a member in the Adaptation Committee Taskforce on NAPs, which includes nominees from the Least Developed Countries Expert Group (LEG)	i. Inputs to the AC and LEG	i. Inputs to the AC and LEG	Monique Motty
D.3.1	Participate in the Informal Coordination Group (ICG) of the PCCB as a member and in other related activities, as appropriate	i. Inputs to ICG	i. Inputs to ICG	Sergio La Motta Ambrosio Yobanolo
D.4.1	Collaborate with the UNFCCC Gender team to develop a knowledge product focusing on gender and technology, in collaboration with the CTCN Gender Focal Point.		i. TEC brief on gender and technology	Stephen Minas Kinga Csontos Ambrosio Yobanolo
D.6.1	Contribute to the UNEP-CCC Global Technology Report (GTR) series.	i. Contributions to the development of the annual GTR, including participating as a member of the Steering Committee ii. Participation in related events and activities, as appropriate	i. Contributions to the development of the annual GTR, including participating as a member of the Steering Committee ii. Participation in related events and activities, as appropriate	Kinga Csontos Kenichi Wada Ping Zhong Md Harun Or Rashid Dietram Oppelt Hassan Jangavar Muhammad Farooq
D.7.1	Collaborate with Facilitative Working Group (FWG) of the Local Communities and Indigenous Peoples Platform (LCIPP) on indigenous technologies, sciences, and innovations for climate resiliency	i. Contribution to the concept note of the multi-stakeholder dialogue at the 9th meeting of the FWG ii. Organization of a joint in-session roundtable at COP 28		Stephen Minas Ambrosio Yobanolo