

**Meeting Report for the 22nd meeting of the Advisory Board
to the Climate Technology Centre and Network**

Advisory Board members attending the 22nd meeting	
Ambrosio Yobanolo del Real, Vice-Chair of the Technology Executive Committee	Justin Perrettson, BINGO
Anne Barre, Women and Gender Constituency	Kazem Kashefi, Adaptation Committee
Annie Prigge, Canada	Ketevan Vardosanidze, Georgia
Aseel Alharthi, Saudi Arabia (online)	Matthias Honegger, RINGO
Bibiano Jr. Rivera, ENGO (online)	Mohamed Handaine, IPO
Christian Lohberger, Papua New Guinea	Mykhailo Chyzhenko, Ukraine
Christofer Ahlgren, European Union	Omedi Moses Jura, Kenya
Erwin Rose, Chair of the Advisory Board, United States of America	Pedro Borges, Venezuela
Fred Machulu Onduri, Vice-Chair of the Advisory Board, Uganda	Pedro García Brito, Dominican Republic
Halima Bawa-Bwari, Nigeria	Rajiv Garg, Secretary of the Advisory Board and CTCN Director a.i.
Hansol Park, Green Climate Fund	Sigrid Persson, Sweden
Hyuk-Chae Koo, Republic of Korea (online)	Stephen Minas, Greece
Ichiro Sato, Japan	Stig Svenningsen, Chair of the Technology Executive Committee
Jacek Trzosowski, Poland (online)	

Day 1: Joint TEC-CTCN session (22 September 2023)

1. Opening of CTCN AB 22 meeting and joint TEC-CTCN session

- The Chair of the Climate Technology Centre and Network (CTCN) Advisory Board (AB), Mr. Erwin Rose, opened the meeting by appreciating all opening remarks and welcoming all participants to the twenty-second meeting of the CTCN Advisory Board and the Joint TEC-CTCN session.

2. Welcome remarks

- Mr. Simon Stiell, Executive Director of UNFCCC, delivered remarks through a recorded video message, extending a welcome to members and observers to the joint TEC-CTCN session. Mr. Stiell highlighted the progress made by the Technology Mechanism in implementing its first Joint Work Programme for 2023-2027 and further stressed the need for even greater ambition as COP 28 approaches.
- Mr. Abdelaziz Harib Al Tunaiji, representing the incoming COP 28 Presidency, noted with appreciation the collaboration with the TEC and the CTCN on matters related to technology transfer and deployment and emphasized the importance of system transformation by 2030 as guided by the IPCC report.

3. Organizational matters

- The Advisory Board adopted the agenda for the twenty-second meeting as contained in document AB/2023/22/3.1, as well as the minutes of its twenty-first meeting as contained in document AB/2023/22/3.2.
- The Board took note of the recommendation to maintain and allocate sufficient time for constituency meetings before the official start of the CTCN AB meeting.

4. Matters related to the TEC and the CTCN

- The UNFCCC Secretariat presented an overview of technology-related outcomes of the 58th meeting of the Subsidiary Bodies, including side events on the Water-Energy-Food nexus, on National Systems of Innovation, on Artificial Intelligence, and on raising awareness of TNAs among financial actors. Regarding the agenda item on linkages between the technology mechanism and the financial mechanisms, a draft decision was forwarded for consideration and adoption at COP 28.
- The UNFCCC Secretariat provided an overview of the initial outcomes of the first Global Stocktake report on components related to “technology”.
- Ms. Anne Barre, representing the Women and Gender Constituency, emphasized the growing need for gender analysis and inclusion, particularly in discussions related to the Water-Energy-Food nexus and AI for climate technologies. In response to the observation of the absence of gender data collection and analysis in the GST, the UNFCCC Secretariat noted that gender aspects would be incorporated into the knowledge products.
- Mr. Ambrosio Yobanolo del Real, Vice Chair of the TEC reminded the members that all

comments provided by the members should align with the respective mandates of the TEC and the CTCN and it is important to specify in the Joint Work Plan, what each entity does.

- Mr. Stig Svenningsen, Chair of the TEC, provided an update on the work of the TEC across its four workstreams and reflections on synergies with the CTCN. Collaboration between the TEC and CTCN on the regional NDE forum was noted as an effective opportunity for the TEC to interact with the NDEs.

In terms of synergies across common areas of work, the TEC invited the CTCN to consider the recommendations emanating from the TEC's work on NSI and invited contributions from the CTCN on the TEC-FAO knowledge product to be developed and on the new sectoral TNA guidebook focusing on technologies for the energy sector.

- Mr. Erwin Rose, Chair of the CTCN AB, presented an update on the work of the CTCN and reflections on synergies with the TEC. In terms of synergies, he highlighted CTCN's interest in contributing with its experience to the upcoming knowledge product that will be developed by the TEC-FAO. The Chair also noted that the TEC's work with the Grand Challenge Programme on AI4 Climate Action could provide opportunities for scaling up CTCN TAs.

5. Implementation of the Joint Work Programme of the Technology Mechanism for 2023-2027

- Mr. Stig Svenningsen, Chair of the TEC, with support from the UNFCCC Secretariat, introduced a preliminary prototype for monitoring and reporting progress with respect to the implementation of relevant mandates and invitations to the TEC and CTCN by the COP and CMA.
- The TEC and the CTCN AB agreed to include a hyperlink to a web document for tracking responses of the Technology Mechanism to mandates by Parties in the Joint Annual Report of the TEC and CTCN. The TEC and CTCN Advisory Board requested the secretariats to report on lessons learned, including on resource implications in developing and implementing such a reporting tool, at the second meeting of the TEC and CTCN in 2024.
- The CTCN Secretariat provided an update on the progress in the development of the gender and climate technology expert roster and upcoming activities to raise awareness of the roster including the planned launch at COP 28.
- The TEC and the CTCN AB agreed to continue discussions on the roster in order to integrate valuable insights gained from the roster's launch and its initial implementation.
- The TEC and the CTCN AB considered and agreed on joint key messages and recommendations to Parties from the updated joint publication on Technology and NDCs which will be included in the 2023 joint annual report of the TEC and CTCN.
- The TEC and the CTCN AB took note of the presentation on the scoping paper on technology roadmaps (Document. AB/2023/22/5.4) to inform future joint work on this matter. The TEC and CTCN AB agreed that the joint taskforce on technology roadmaps would merge with the TEC activity group on TNAs, namely regarding the work on the energy sector guidance, considering the strong linkages between these areas of work.

- The CTCN Secretariat presented the draft joint concept notes on green technology databases and distributed ledgers, which included an overview of WIPO's database for green technology (Document. AB/2023/22/5.5/A) - the Marketplace for Sustainable Technology, and the potential of distributed technology ledgers for clean energy and other applications (Document. AB/2023/22/5.5/B).
- The TEC and the CTCN AB agreed to a further revision of two concept notes on green technology databases and distributed ledgers for consideration at the next joint session of the TEC and CTCN AB, taking into account all comments raised.
- In connection with the AI for climate action initiative (Document. AB/2023/22/5.5/C), the TEC and CTCN AB agreed on a revised version of the concept note on the Technology Mechanism AI Initiative.
- Notably, the TEC and CTCN AB to jointly develop a draft work plan for the Initiative (2024-2027) and draft terms of reference for an advisory group to guide the initiative, and further on to establish a joint taskforce on AI to support the work on joint activities under the Initiative. The joint taskforce will be comprised of members of the TEC Activity Group on Digital Technologies and interested members of the CTCN Advisory Board.

6. Joint TEC-CTCN Chapter of the 2023 Joint Annual Report

- The TEC and CTCN AB considered the draft joint chapter of the joint annual report 2023 (Document. AB/2023/22/6.1) and requested the Chairs of the TEC and CTCN AB to finalize the joint chapter taking into account the comments made.

7. Joint communications and engagement with stakeholders

- 7.1. The CTCN Secretariat provided an overview of joint communication and engagement with stakeholders, including during the SB 58 for the launch of the AI for climate action initiative and during the Africa Regional Climate Week. TEC and Advisory Board members noted the progress accomplished since the last session with regard to the communication of Technology Mechanism events and recommended providing early notification to members of upcoming events.
- 7.2. The CTCN Secretariat provided further updates on the Africa Regional NDE forum held during the Africa Climate Week, in partnership with the TEC and with participation from over 45 country representatives. The TEC and CTCN Advisory Board agreed to continue collaborating on the NDE forums that are to be held during the LAC and Asia-Pacific Climate Weeks 2023.

In addition, the CTCN Secretariat shared outcomes of the TEC and CTCN participation in the GCF Global Private Investment Conference.

- 7.3. The UNFCCC Secretariat provided an overview of planned and potential Technology Mechanism events and engagements at COP 28, including a high-level event on AI for Climate Action, an event on fostering innovation through collaborative climate technology RD&D, and the launch of the climate technology and gender expert roster and other side events.

The TEC and Advisory Board took note of the recommendation to consider organizing a Technology Mechanism high-level event at COP 28.

8. Monitoring and evaluation

- The CTCN Secretariat provided an overview of the monitoring and evaluation efforts of the Technology Mechanism, including the NDE survey, and highlighted possible gaps in terms of monitoring joint collaborative efforts.
- The TEC and CTCN Advisory Board agreed to conduct an analysis of the M&E system of the respective bodies and an overall analysis of the joint M&E indicators for the joint work of the two bodies to be considered at the next joint session.
- The TEC and CTCN Advisory Board agreed to establish an open-ended joint activity group to discuss this matter and present the analysis at the next meeting.

9. Date and venue of the next meeting

- The Chairs and Vice Chairs of the TEC and CTCN presented tentative dates in April 2024 for the next meetings of the TEC and CTCN Advisory Board as well as the next joint session. The TEC and CTCN Advisory Board agreed that the Chairs and Co-Chairs of both bodies would confirm the dates intersessionally, taking into consideration the comments on the duration of the joint session.

10. Wrap-up and next steps

- The Chair and Vice-Chairs of the TEC and the CTCN Advisory Board shared key conclusions from the discussions, proposed the next steps, and agreed to revisit the discussion on increasing the efficiency of joint sessions in the next meeting.

11. Closure of TEC26 and Joint TEC-CTCN Session

- The Chair and the Vice Chairs of the TEC and the CTCN AB thanked members and observers for participating in the Joint TEC-CTCN Session. The session was closed on Friday, 22 September 2023 at 7:20 pm CET.

Day 2: CTCN AB22 (25 September 2023)

12. Welcome by the CTCN Advisory Board Chair

- Mr. Erwin Rose, the Chair of the CTCN AB, opened the meeting and welcomed all participants to the second day of the twenty-second meeting of the CTCN AB.

13. Remarks by the Danish Foreign Ministry

- Mr. Morten Hounmann Blomqvist, representative of the Danish government, provided opening remarks and highlighted the importance of supporting impactful and innovative climate technology development and transfer for developing countries as a response to the call from the UNFCCC and the COP.

14. Remarks by CTCN host institution

- Mr. Steven Stone, the Deputy Director of the Industry and Economy Division, UNEP, provided opening remarks and emphasized the role played by the CTCN in tackling some of the key challenges of the climate crisis. He drew the AB members' attention to impact-driven initiatives, the role of partnerships, and impactful communication as important tools for the CTCN's resource mobilization efforts,

Mr. Stone noted the role of the CTCN's Partnership and Liaison Office in working with the Green Climate Fund and expressed his appreciation to Incheon City and the Korean Ministry of Science and ICT for their continuous support.

15. Remarks by the incoming UAE COP Presidency

- Ms. Asya Al Shehhi, representing the incoming UAE COP Presidency, remarked on the importance of taking a systems approach to the climate crisis and utilizing climate technologies. She noted that both the CTCN's programme of work and the Technology Mechanism work programme have supported technology-driven initiatives planned to take place during the upcoming COP 28.

16. Membership matters

- Mr. Fred Onduri, Vice-chair of the CTCN AB, reminded members of upcoming elections to the CTCN Advisory Board at COP 28 as highlighted in document AB/2023/22/16.1, and introduced new Advisory Board members: Ketevan Vardosanidze from Georgia and Halima Bawa-Bwari from Nigeria.

17. Coordination with other UNFCCC Constituted Bodies

- Mr. Kazem Kashefi, Adaptation Committee, provided an update on its engagement with the CTCN and highlighted opportunities for collaboration namely on technologies and innovation for adaptation, and the opportunity to integrate collaborative activities into the AC workplan focusing on the Water-Energy-Food nexus, buildings and infrastructure, digitalization and NSI. He noted that the AC finalized the future potential collaboration areas, including agriculture, water resources and coastal zones.
- Ms. Patricia Marcos, representing the Global Environment Facility (GEF), emphasized the role of technology transfer in shaping GEF-8's strategies, focusing on energy, power, mobility, and nature-based solutions. She highlighted two programmes and 10 projects, securing \$97.8 million in GEF funding and an additional \$1.6 billion in co-financing in the GEF report to COP28. These initiatives include the Global TNA project, Net Zero Nature Positive Accelerator, and e-Mobility programmes, with additional programmes on green hydrogen and sustainable buildings. GEF also continues its support for Climate Change Adaptation (CCA) technologies with the approval of LDCF & SCCF.
- Mr. Hansol Park, representing the Green Climate Fund (GCF), provided an update on the successful partnership established with the CTCN Secretariat to increase overall synergy between the technology and financial mechanisms in 2023. He also highlighted the importance of publicly available integrated results management framework (IRMF) and Funding Proposal templates and encouraged project proponents to utilize them for

conducting technology impact assessments.

In addition, he noted that to date, 31 readiness projects/grants have been approved for the CTCN, mobilizing a total of US 11.04 million through the GCF.

He further provided insights into the GCF's private sector strategy, which focuses on fostering innovative financing solutions and maintaining ongoing external partnerships with the CTCN.

- Mr. Fred Onduri, on behalf of the Standing Committee on Finance, read the submitted update on the latest activities of SCF. The report primarily focused on the definition of climate finance, its proposed applications, and national case examples. The SCF noted the importance of addressing the risk of greenwashing within this context.
- The AB members highlighted the efforts taken by the TM and FM to enhance linkages and discussed the possibility of enhancing the analyses of gender-responsive technologies and projects for climate adaptation.

18. CTCN Chapter of the 2023 Joint Annual Report (Consider; Approve)

- The Chair of the AB invited the AB members to consider the draft CTCN chapter of the joint annual report to COP28. AB members provided inputs and further guidance which was integrated into a revised version approved by members on day 3 of the meeting.

19. Operationalisation of the CTCN Programme of Work for 2023-2027

- Mr. Rajiv Garg, Director a.i. of the CTCN, provided an overview of the results achieved to date from TA projects and highlighted their alignment with the 5 system transformation areas and 2 enablers. Furthermore, he noted examples of successful leveraging of resources stemming from TA projects and shared insights into multi-country projects adopting a programmatic approach.

Day 3: CTCN AB22 (26 September 2023)

20. CTCN technical assistance - Implementation

- The CTCN AB Vice-chair welcomed the NDEs and Network members to share key insights of CTCN Technical Assistance projects.
- Ms. Cheryl Jeffers from Saint Kitt and Nevis, presented on '*Strengthening water supply system resilience by managing aquifers recharge*'. Guided by the national climate change plans, the country decided to focus on increasing the resilience of the water sector. She noted CTCN's support in mapping stakeholders, assessing drought risk and water resources, developing a drought prediction model, and building the capacity of actors. Data availability was highlighted as the main challenge which turned into an opportunity for the country to further develop water information systems.
- Ms. Tserendulam Shargdarsuren, the NDE of Mongolia, shared on '*Enhancing climate resilience and economic sustainability of livestock farming in a rural community of*

Mongolia. Guided by climate change vulnerability assessment with gender analysis, and pasture assessment, the project focused on reducing pasture degradation and poverty worsening with climate change.

- Mr. Jal Desai, NREL, presented on *'South Africa: Capacity development for the deployment of demand response in South Africa to mitigate against carbon emissions and electricity supply shortages'*. He noted that NREL conducted demand-side management research to understand the bottlenecks of South Africa's electricity supply shortages. Based on the outcome, challenges and potential solutions for South Africa were identified, specific to the load-shedding technology.

21. Report by the CTCN Secretariat

21.1 Report by the CTCN Director and Financial Matters

- Mr. Rajiv Garg, Director a.i. of the CTCN, provided an update on CTCN's resource mobilization efforts taken in 2023, including two reporting documents prepared for CTCN's impact assessment and over twenty global and regional events that CTCN participated in to share knowledge with the wider communities. He further highlighted ten newly formed partnerships alongside key activities to increase the innovation and implementation impact of the CTCN. The CTCN's 2023 activities have been dedicated to enhancing the enabling environment and fostering collaboration between key stakeholders through key service areas, including communication and network, noting that CTCN welcomed 70 new Network members in 2023.

Additionally, he emphasized the joint activities that linked the mechanisms in fostering national communication and cooperation on considering TNA and decisions in developing future technical assistance projects.

The CTCN Secretariat further took note of the AB members' suggestions on the proposal to develop an organizational chart to enhance transparency regarding CTCN's operational structure and team workflow division.

The CTCN Secretariat presented an update on the CTCN's finances and certified accounts, to be endorsed by the CTCN AB. A financial statement summary, including income and expenditure in 2022 was provided.

- The documents of AB/2023/21/18.1 Final Financial Statement for FY 2022, AB/2023/21/18.2 Overview of CTCN Finances were endorsed by the AB members.

22. Eligibility & Prioritization Criteria for Technical Assistance

- The Chair adopted the agenda document AB/2023/22/23 and invited the CTCN Secretariat to present the revised Eligibility & Prioritization Criteria for Technical Assistance developed with the support of the CTCN Advisory Board taskforce on eligibility and prioritization.
- Mr. Rajiv Garg briefed on the background, including the establishment of the taskforce to revise the criteria for Technical Assistances, and suggested changes under eligibility, balancing, and prioritization principles of the criteria to be endorsed by the members.

- Due to the numerous comments received from Advisory Board members, a consensus on the revised criteria could not be reached. Consequently, it was collectively decided that the taskforce should persist in its efforts to refine and finalize the eligibility and prioritization criteria.

23. Resource Mobilization and Partnerships

- The Chair invited AB members to provide updates on any resource mobilization and partnership efforts carried out by AB members intersessionally.
- Mr. Justin Perrettson, BINGO, discussed ideas to address the funding gap of \$22 million and to finetune the strategy of engaging the private sector, including by engaging in partnership opportunities identified. He emphasized that the engagement of philanthropists in the CTCN service areas will create a bridge linking private and donor contributions.
- The CTCN Secretariat provided a presentation of the draft Resource Mobilization and Partnership Strategy developed with the support of the CTCN Advisory Board taskforce on resource mobilization and partnership.

The CTCN Secretariat provided an overview of different RM scenarios and underscored the minimum funding required to sustain the CTCN business as usual. Six strategic actions were presented with an emphasis that the private sector engagement for partnerships shall be strictly in line with the UNEP policies and regulations. A summary of UNEP’s private sector engagement strategy was also presented.

- The AB members endorsed the revised document on the Resource Mobilization and Partnership strategy presented after incorporating AB member comments, including explicit noting on the overarching target for the period of the third Programme of Work (PoW) at a minimum of \$10 million per year.

Acknowledging the dynamic nature of this Strategy, the AB members endorsed the resource mobilization and partnership strategy, to be submitted to COP 28.

Day 4: CTCN AB22 (27 September 2023)

24. Monitoring and Evaluation

- Mr. Fred Onduri, the Vice-Chair of the CTCN AB, opened the final day of sessions of the twenty-second meeting of the CTCN AB.
- The CTCN Secretariat briefed on the CTCN’s current M&E system and highlighted three

lessons, including the need to simplify indicator selection, strengthen the quality assurance process for closure reports and other data collection methods, and focus on implementation of recommendations. An updated CTCN's M&E framework, which incorporates the indicators proposed for the third PoW alongside the existing M&E indicators, was presented for further guidance from the AB members.

- The AB members emphasized the M&E indicators strengthening qualitative measures to allow the reporting of accumulated impact of the overall service area. An update of the M&E system structure to the website for clear communication and acknowledgment of the overall service impact was recommended as well as new ways of collecting data were discussed.

25. CTCN Annual Operating Plan and Budget for 2024

- Mr. Erwin Rose, Chair of CTCN AB welcomed the presentation from the CTCN Secretariat on Annual Operating Plan (AOP) and Budget.
- The CTCN Secretariat presented the 2024 CTCN Annual Operating Plan (AOP) and Budget, emphasizing the importance of 2024 as the CTCN's 10th year of operations and outlining the multitude of activities planned for each technology framework area. In response to growing concerns regarding ambiguity and duplication in the current reporting indicators, revised key performance indicators were introduced, maintaining the existing format.

The proposed budget for 2024 accumulated to a grand total of 10 million was further presented to the AB members for consideration and endorsement.

- The CTCN Advisory Board members approved the updated AOP and Budget for 2024 presented by the CTCN Secretariat, which incorporated the reflections and feedback from AB members related to support for gender analysis, NDEs support, and partnerships.

26. CTCN Gender Policy and Action Plan

- The Vice Chair of the AB, Mr. Fred Onduri, welcomed Ms. Anne Barre from WCG and the CTCN Secretariat for their joint presentation on the revised CTCN's Gender Policy and Action Plan.
- Together with the Secretariat, Ms. Barre delivered a presentation on the Gender Policy and Action Plan, which underwent updates and refinements through a series of five consultations involving 16 AB members in 2023. The review period for the gender policy was extended from 2 years to 5 years, taking into consideration outcomes and impacts reported in its annual reports. The Gender Action Plan 2023-24 places a strong emphasis on enhancing the CTCN's governance and operational processes, encompassing aspects from request, design, and implementation to monitoring and evaluation phases, aiming to foster innovation in gender-responsive technologies across the CTCN's service areas.
- The AB Members welcomed the progress CTCN has made to update the Gender Policy and Action Plan and suggested the CTCN include case studies on best examples of the

action plan.

- The Advisory Board endorsed the updated document on the Gender Policy and its Action Plan 2023-24.

27. Other matters

- Mr. Fred Onduri, Vice-chair of the CTCN AB, shared his observations of potential challenges that might raise a conflict of interest related to the dual membership of CTCN and TEC.
- Ms. Annie Prigge, emphasized the importance of the AB members taking active action in promoting the CTCN and national NDEs at their national government collaboration opportunities.
- Mr. Omedi Moses Jura requested the Chair and Vice-chair to involve the AB members in developing the meeting agenda.

28. Advisory Board administrative matters

- The Chair and Vice-Chairs of the TEC and the CTCN AB discussed that the twenty-eight meeting of the TEC and twenty-third meeting of the CTCN AB may take place during 2024 April, 16 – 18 for the TEC and 22 – 24 for the CTCN AB in Copenhagen, Denmark. The joint TEC-CTCN session to be held on 19th April 2024. Final dates would be confirmed by the Chair and Vice Chair of the CTCN Advisory Board intersessionally.

29. Closure of CTCN AB 22 meeting

- Mr. Erwin Rose, the Chair of CTCN AB, thanked everyone for their participation in the twenty-second meeting of the CTCN AB and called the meeting to an end. The meeting was closed on Wednesday, 27 September 2023 at 3:20 p.m. CET.