

**Advisory Board to the CTCN  
22nd Meeting**

**22 – 27 September 2023**  
AB/2023/22/3.2

**Meeting Report for the 21<sup>st</sup> meeting of the Advisory Board  
to the Climate Technology Centre and Network**

<b>Advisory Board members attending the 21<sup>st</sup> meeting</b>	
Anne Barre, Women & Gender Constituency (WGC)	Kazem Kashefi, Adaptation Committee
Ambrosio Yobanolo del Real, Vice- Chair of the Technology Executive Committee	Maia Tskhvaradze, Georgia (online)
Annie Prigge, Canada	Matthias Honegger, RINGO (online)
Aseel Alharthi, Saudi Arabia	Mohamed Handaine, IPO
Bibiano Jr. Rivera, ENGO	Mykhallo Chyzhenko, Ukraine
Christian Lohberger, Papua New Guinea	Omedi Moses Jura, Chair of the Advisory Board, Kenya
Christofer Ahlgren, EU (online)	Patricia Marcos, GEF (online)
Erwin Rose, Vice-Chair of the Advisory Board, United States of America	Pedro Borges, Venezuela
Fred Machulu Onduri, Uganda	Pedro García Brito, Dominican Republic
Hyuk-Chae Koo, Republic of Korea	Rose Mwebaza, AB Secretary and CTCN Director
Ichiro Sato, Japan	Sigrid Persson, Sweden (online)
Iniobong Abiola-Awe, Nigeria	Stephen Minas, Greece
Jacek Trzosowski, Poland (online)	Stig Svenningsen, Chair of the Technology Executive Committee
Justin Perrettson, BINGO	Tambe Honourine Enow, Youth Constituency (YOUNGO)
Emerson Resende, Green Climate Fund	

## **Day 1: Joint TEC-CTCN session (24 March 2023)**

### **1. Welcome remarks**

- Mr. Hyuk Chae Koo, Director General, R&D Policy Bureau, Ministry of Science and Information and Communication Technologies of the Republic of Korea, welcomed all the participants to the Joint TEC-CTCN session, the first held outside of Europe. He took the opportunity to introduce the ambitious target of Korea's NDC and financial support for R&D of USD 1.5 billion on Hydrogen, Carbon capture, utilization and storage (CCUS), and new energy industries. Referencing the latest IPCC report, Mr. Hyuk Chae Koo emphasized that climate change and disasters impact countries in different ways, affecting nations with less advanced technology the most. He reiterated Korea's commitment to climate actions and intention to continue supporting the CTCN and its Partnership and Liaison Office (PALO).
- Mr. Daniele Violetti, Senior Director, UNFCCC Programmes Coordination, welcomed all the participants to the Joint TEC-CTCN Session and first Joint Session under the first Joint Work Programme of the Technology Mechanism, emphasizing that the TEC and the CTCN were now at a stage where they had shown their value added in partnership with NDEs and climate change focal points worldwide. Furthermore, he highlighted that those urgent efforts needed innovative approaches and collaboration among the technology and financial mechanism, CTCN network members, the private sector, and civil society organizations. He encouraged active participation in the technical dialogue of the upcoming first Global Stocktake in Bonn, representing an opportunity to advocate for enhanced collective action on technologies.
- Ms. Sara Elkhoully, on behalf of the COP27 Presidency team and in her capacity as UNFCCC focal point on technology and capacity-building negotiations, expressed their appreciation for the collaboration between the TEC and the CTCN for the technology transfer and deployment. She also reiterated the importance of the first Joint Work Programme of the TEC and the CTCN for 2023 to 2027, which will accelerate the transformational change needed to achieve the goals of the Convention and Paris Agreement. In addition, she welcomed the forward-looking conclusions of the SBI sixty-first session to continue considering the Poznan Strategic Programme to support the implementation of relevant activities. She encouraged countries to update or develop their Technology Needs Assessments and Technology Action Plans before or at COP28.
- Mr. Abdelaziz Harib Al Tunaiji, Special Envoy of Climate Change of the United Arab Emirates, the COP28 Incoming Presidency, emphasized that COP28 was a great opportunity to accelerate climate action in terms of mitigation, adaptation, finance, and technology, and reiterated that technology is essential for mitigation and adaptation and that we must harness nature-based solutions with scale-up opportunities and integrate technology with capacity-building activities.

### **2. Opening of CTCN AB 21 meeting and joint TEC-CTCN session**

- The Chair of the CTCN Advisory Board (AB) opened the meeting, appreciated all the opening remarks, and welcomed all the participants to the twenty-first meeting of the CTCN Advisory Board and the Joint TEC-CTCN session.

### 3. Organizational matters

- The AB adopted the agenda for the twenty-first meeting as contained in document AB/2023/21/3.1, as well as the minutes of its twentieth meeting of the Advisory Board as contained in document AB/2023/21/3.2 respectfully.
- The Chair, Mr. Omedi Moses Jura, welcomed the new TEC members Mr. Omar Alcock, Jamaica, Mr. Lennox Gladden, Belize, Ms. Olena Hrypych, Ukraine, Mr. Zhong Ping, China and Mr. Harun Or Rashid, Bangladesh. He also welcomed the new AB members Mr. Christofer Ahlgren, EU, Ms. Aseel Alharthi, Saudi Arabia, Mr. Hyuk-Chae Koo, Republic of Korea, Ms. Annie Prigge, Canada, and Mr. Justin Perrettson, BINGO.

### 4. Matters related to the TEC and the CTCN

- The TEC and the CTCN AB took note of the overview of relevant outcomes for the Technology Mechanism of COP27 and CMA 4, provided by the UNFCCC Secretariat, including the Joint Annual Report of the TEC and the CTCN for 2022 (18/CP.27 19/CMA.4), the periodic assessment of the Technology Mechanism (20/CM.4), the Poznan Strategic Programme, linkages between Technology Mechanism and Financial Mechanism, and the guidance summary from the COP and CMA. The parties renewed their commitment to strengthening their joint work to enhance the implementation of activities, specifically on the development of the gender roster of female experts and co-creation of knowledge products, and the exchange of systematic feedback and reporting.
- The TEC and the CTCN AB considered the update on the technology component of the Global Stocktake, provided by the UNFCCC Secretariat, which aims to develop a shared understanding of the latest information on the implementation of the Paris Agreement and progress towards its long-term goals, based on the best available scientific information. It was noted that the summary report would be available by the end of March. Key takeaways included reducing unit costs of some technologies by up to 80 per cent and the challenging lack of data availability in developing countries.
- Mr. Stig Svenningsen, Chair of the TEC, provided an update on TEC's work and reflections on synergies with the CTCN. The CTCN AB reflected on the work of the TEC and synergies with the CTCN, including the rolling workplan for 2023-2027 and the TEC endorsement of the draft compilation of good practices and lessons learned in setting up the National Systems of Innovation. As the TEC agreed to adjust its working arrangement, the CTCN and all UNFCCC constituencies will be invited to contribute to all activities of the TEC work plan at their discretion. The TEC committed to present a new paper at the next meeting, to explain how they intend to address and respond to new mandates and invitations recommended by COP27 and CMA 4. Furthermore, they agreed to develop a scoping paper on early warning systems for consideration at TEC 27. As for digitalization, the TEC decided to prepare a concept note on the Innovation Grand Challenge Initiative. Regarding TNA, it was agreed to develop a gap assessment and organize an event with financial actors to raise awareness of TNA results at SB58. Moreover, the TEC implemented CTCN feedback given to the TEC during the last joint session. Four common work areas were identified to enhance coherence and synergies between TEC and CTCN, which include National Systems of Innovation (NSI), water-energy-food systems, business and industry, and TNAs. The members agreed to strictly

enforce the principle of gender balance at all TEC events in 2023 and revisit the issue of gender imbalance with the gender focal points next year.

- Mr. Omedi Jura, Chair of the CTCN AB, presented an update on the work of the CTCN and reflections on synergies with the TEC. He introduced the launch of the CTCN Partnership and Liaison Office in Songdo, Republic of Korea and the development and high-level launch of the Joint Work Programme of the Technology Mechanism during COP27. Regarding the CTCN, he briefed on CTCN activities on Innovation, including the Adaptation Fund Climate Innovation Accelerator Programme (AFCIA), Youth Climate Innovation Labs and Academy for MENA region and publication of the second edition of Africa Innovates Magazine at COP27. The Chair also pointed out the status of CTCN Technical Assistance worldwide, highlighting 360 requests from 107 countries across 16 sectors for mitigation and adaptation. Regarding capacity-building activities, the CTCN organized the South-South Knowledge Exchange Programme and webinars for countries in Latin America and the Caribbeans, Africa, Asia and the Pacific and collaborated with the Paris Committee on Capacity Building (PCCB) on transformative climate technology solutions.

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

- The TEC and the CTCN AB took note of the progress update on gender and technology, including progress on the global roster of experts in the areas of climate technology, gender and climate change, which is planned to be launched at COP28.
- The TEC and the CTCN AB welcomed the draft updated joint publication on technology and NDCs and, with support from the two secretariats, provided guidance to the joint taskforce for its further revision and approval by the TEC and CTCN AB. In case of further amendments, the document shall be considered at the next joint session of the TEC and CTCN AB.
- Regarding common areas of work, the TEC and the CTCN AB considered and welcomed proposed modalities by the Chairs and Vice-Chairs to ensure coherence and complementarities between the work of the two bodies in common areas of work, indicated in the Joint Work Programme of the Technology Mechanism.
- Regarding the TEC-CTCN joint activity on technology roadmaps, the TEC and the CTCN AB considered a concept note prepared by the Secretariats. They requested the joint taskforce to consider the guidance provided, and produce a draft paper for scoping further work on the topic for consideration at the next joint session of the TEC and CTCN AB.
- With reference to the TEC-CTCN joint activity on digitalization, the TEC and the CTCN Advisory Board considered inputs from the 'UNFCCC Global Innovation Hub' and the 'Blockchain and Climate Institute', as well as a presentation by the Vice-Chair of the CTCN Advisory Board on relevant work of the CTCN on the topic, and requested the joint taskforce to take a holistic approach and consider the different circumstances of end-users and target communities in the access and use of digital technologies, including its effects. The TEC and the CTCN AB also requested the joint taskforce to produce a draft concept note on green technology databases and distributed ledgers for consideration at the next joint session of the TEC and CTCN AB.

## **6. Collaboration between the Technology Mechanism and Funding entities**

- The Chairs and Vice-Chairs of the TEC and the CTCN AB organized a roundtable discussion between the Technology Mechanism and funding entities to identify effective and efficient ways to enhance collaboration, institutional and activity linkages, and mobilization of support for technology development and transfer, including through the CTCN PALO Office.
- Mr. Stephen Minas, Greece, as both TEC and CTCN AB member, moderated the roundtable discussion attended by the GCF, the Adaptation Fund, and the Korean Development Bank (KDB) representatives, and TEC and CTCN AB members. The discussions touched upon successful modalities, areas for potential improvements, challenges and lessons learned in enhancing collaboration, institutional and activity linkages, and mobilization of support for technology development and transfer.
- Moreover, representatives of the Technology Mechanism and funding entities discussed the roles and activities of the CTCN PALO in enhancing collaboration with the GCF and KDB and ensuring financial resources for scaling up action on technology development and transfer and collaborative RD&D.
- Roundtable participants appreciated the discussion and the exchange of challenges and opportunities and expressed interest in continuing the discussion between the Technology Mechanism and funding entities.

## **7. Wrap-up and next steps**

- The Chair and Vice-Chairs of the TEC and the CTCN Advisory Board shared key conclusions from the discussions and proposed the next steps.

## **8. Date and venue of the next meeting**

- The Chair and Vice-Chairs of the TEC and the CTCN AB confirmed that the twenty-seventh meeting of the TEC and twenty-second meeting of the CTCN AB would take place during the last two weeks of September 2023 in Bonn, Germany.

## **9. Closure of TEC26 and Joint TEC-CTCN Session**

- The Chair and the Vice Chairs of the TEC and the CTCN AB thanked everyone for participating in the Joint TEC-CTCN Session. The Session was closed on Friday, 24 March 2023 at 6:00 pm KST.

## Day 2: CTCN AB21 (27 March 2023)

### 10. Welcome by the CTCN Advisory Board Chair

- Mr. Omedi Moses Jura, the Chair of the CTCN AB, opened the meeting and welcomed all participants to the second day of the twenty-first meeting of the CTCN AB.

### 11. Remarks by CTCN host institution

- Ms. Sheila Aggarwal-Khan, the Director of the Industry and Economy Division, UNEP, highlighted that the CTCN had launched its new Programme of Work for 2023-2027 and thanked donor countries for their financial support to the CTCN. With an emphasis on the exceeding demand for country support to the CTCN, she underscored that UNEP, as the GCF Accredited Entity, is looking for further opportunities with the GCF and external stakeholders. Lastly, she reiterated that UNEP is expanding its collaboration with commercial and development banks such as the West African Development Bank (BOAD) and Kenyan Commercial Bank (KCB). She asked the AB Members to pay attention to the upcoming projects with the BOAD through the CTCN stemming from this collaboration.

### 12. Overview of COP27 guidance

- The CTCN AB took note of the presentation on the overview of COP27 guidance and Global Stocktake by Mr. Rajiv Garg, Head of the CTCN PALO office. Firstly, he briefed the Joint Annual Report of the TEC and CTCN, which invites the TEC and the CTCN to pursue partnerships and engagement jointly and requests the two bodies to continue to enhance their efforts to monitor and evaluate the impact of their work. The report also appreciates the efforts of the CTCN to mobilize a diverse range of resources and requests the CTCN to finalize and implement a resource mobilization and partnership strategy in addition to encouraging the CTCN to consider regional balance in the development of future projects and report on the use of the Project Preparation Facility under the Green Climate Fund (GCF). In terms of climate technology development and transfer to the implementation of the Paris Agreement, the COP decision encourages the CTCN to continue providing support to developing countries and requests CTCN PALO to include information on experience and lessons learned from the operation of the office in its annual report. For the first periodic assessment, referred to in paragraph 69 of decision 1/CP.21, the CTCN was encouraged to continue matchmaking to secure funding for the implementation of projects, and the TEC and the CTCN to continue enhancing resource mobilization to meet the costs associated with the implementation of their activities, and in providing support to developing countries.
- Finally, regarding the Poznan Strategic Programme, the Subsidiary Body for Implementation (SBI) requested the CTCN to organize a knowledge-sharing workshop with the African regional Centre in conjunction with the Africa Climate Week.

### 13. Preparation for COP28

- The CTCN AB welcomed the information about the UAE COP Presidency on COP28 as presented by Mr. Abdelaziz Harib Al Tunaiji, UAE Special Envoy for Climate Change. He underscored that the UAE's overall positioning as the host of COP28 is well aligned with



the role and mandate of the Technology Mechanism as articulated in the UNFCCC and the Paris Agreement and within its Joint work programme that was launched during COP27. Mr. Al Tunaiji provided an overview of the strategies, objectives and expected outcomes of COP28. They aim to seek concrete solutions to maintain the 1.5-degree objective of the Paris Agreement. They also express the intention to contribute to strengthening the financial ecosystem not only for Mitigation but also for Adaptation. Regarding the Loss and Damage Fund, COP28 will accelerate and prioritize support for the most vulnerable countries. He emphasized on accountability and transparency and sought to enhance engagement with the private sector. To address challenges in technology and investment gaps, the UAE Presidency wants to build an ecosystem for collaboration which is replicable for future COPs. Many key partners will participate in COP28, including academia, corporates, investors, and governments. Regarding the investment gap, they will showcase startups and facilitate deal-making among investors. By establishing an online portal, they will improve access to finance sources for climate tech startups and investors.

- Ms. Rose Mwebaza, Director of the CTCN, stated that in terms of CTCN priorities for COP28, the CTCN wants to implement their activities aligned with digitalization and innovation, pursuing the five systems of transformations with an emphasis on entrepreneurship and youth engagement. Furthermore, the CTCN will launch a roster of gender experts with the gender constituency and capitalize the Dubai TechMech initiative regarding business matchmaking. Additionally, the CTCN will contribute to a Pavilion and High-level Flagship events at COP28 and will participate in side-events with Member states, Network members and other stakeholders. The CTCN is preparing for Gender Just Climate Solution Award event and continues implementing an extensive communications and outreach strategy.

#### **14. Guest speaker (Dr. Heleen De Coninck, Coordinating Editor of IPCC Ch. 16 on Innovation, Technology Development and Transfer)**

- Dr. Heleen De Coninck, Coordinating Editor of IPCC Ch. 16 on Innovation, Technology Development and Transfer, shared key messages from the IPCC Special Report including:
  - Limiting global warming to 1.5 degrees would mostly go hand-in-hand with achieving other societal goals.
  - As for near-term actions, global emissions can be halved with available mitigation options below 100 USD/tCO<sub>2</sub>e.
  - Almost all mitigation options face institutional barriers, and many are synergistic with sustainable development goals.
  - For net zero around 2050, system transitions are needed, enabled by conditions such as technology.
- As for the challenges, many technological options face institutional barriers, and the adoption of low-emission technologies is slower in most developing countries, particularly the least developed ones. Cost reductions are more limited in larger-scale technologies. Noting that technological development is not linear but rather systemic in nature, it is necessary to involve a range of actors that interact with each other to achieve specific objectives. She also reiterated that policies could strengthen innovation and that more significant investments are required in public research, development, and demonstration. Broadly, developing countries have not been as adept as industrialized countries at deploying low-carbon technologies and have lagged in benefitting from

technological opportunities. Enhanced technology and capacity are required to improve these aspects with emerging ideas for international cooperation on innovation. Finally, she reiterated that technology is an enabling condition for systems transformations, but further efforts should ensure accessibility and equal distribution of opportunities and benefits among developing countries.

## 15. Strategy session on implementation of the CTCN Programme of Work

- The CTCN AB provided guidance on Potential flagship programmes. Flagship programmes can be defined as priority projects with strategic and scientific importance and of substantial size that involve a longer-term engagement to bring transformational change and respond to the unique mandate and value propositions of the CTCN.
- The CTCN AB Vice-Chair, Mr. Erwin Rose, United States of America, moderated the discussion on Potential Flagship Programmes. AB Members discussed what would be the added value and the potential topics to consider for the flagship programme with three particular points, which are the scientific findings of the recent IPCC AR6 Synthesis Report, the urgency of climate risks posed to developing countries and the priorities set at COP28, and UN Secretary-General.
- The CTCN Secretariat highlighted that the national system of innovation is a relatively new topic, and that only one country has requested this to the CTCN so far, anticipating there will be more countries requesting NSI.
- AB members emphasized that it is essential to identify and fill gaps, rather than providing overlapping support. It was also suggested to select and list different kinds of promising programmes to facilitate implementation and scalability. It was also suggested to consider tangibility and feasibility as selection criteria for technical assistance. It was also stressed that flagship programmes should include all social components and be built upon with gender perspective to ensure a sustainable societal transformation.
- The CTCN AB members also provided guidance on managing the partner ecosystem and prioritizing financial mechanisms. They further commented on the potential collaboration with UNDP and leveraging the experience of the existing Network members.
- Regarding matchmaking to assist countries in funding and scaling up implementation, the Vice Chair of the AB highlighted the importance of taking into consideration that within the technology cycle, CTCN's partnership extends to academia, the private sector, venture capitals, angel investors, and International Financial Institutions (IFIs), each with their interests and purposes in terms of matchmaking to assist countries in funding and scaling up implementation.
- The CTCN AB members mentioned the importance of empowering NDEs to follow up on the success stories of other developing countries, RD&D matchmaking. It was also recommended to consider the perspective of development banks and collaborating with the Accredited Entities of the GCF.



## 16. Coordination with other UNFCCC Constituted Bodies

- The Chair of the CTCN AB opened the 3rd day of sessions of the twenty-first meeting of the CTCN AB and gave the floor to the Adaptation Committee (AC) representative, Mr. Kazem Kashefi, Adaptation Committee. He brought to the attention of the CTCN AB the collaboration and opportunities between the AC and CTCN. In June 2022, the AC organized the first annual dialogue of the AC with adaptation-related constituted bodies, and there was a further conversation at AC 22 in September 2022. The AC is considering to include additional activities in its workplan noting information received on activities in the new CTCN Programme of Work and from the TEC. The AC acknowledged and welcomed the continued active engagement of the CTCN. Moreover, Mr. Kashefi shared highlights from CTCN's contribution to AC 23. The CTCN AB recognized the increased demand for TA from developing countries that can address adaptation and cross-cutting climate change challenges and the UNEP-CTCN AFCIA Programme as a valuable resource. To follow up, the AC Co-chairs will reach out to discuss collaborative activities in detail, including outreach opportunities. Finally, he reiterated that the AC welcomes collaboration with the TEC and CTCN throughout 2023 and beyond.
- Ms. Patricia Marcos from the Global Environment Facility (GEF) shared with the AB an overview of the GEF activities. Since its inception, the GEF has channeled more than USD 4,000 million to climate technologies. She also updated the AB on technology transfer in GEF-8 (2022-2026), which has been replenished at USD 5.33 billion. In particular, under GEF-8, she emphasized that technology transfer continues to be at the core of the programming directions with dedicated programming objectives under climate change mitigation and adaptation. For climate change mitigation, the GEF supports developing countries in making transformational shifts towards net zero GHG emissions and climate-resilient development pathways. Regarding the GEF-8 mitigation strategy, they promote innovation, technology development and transfer with certain types of interventions, including Energy and materials efficiency, decarbonized power systems, Zero-emission mobility scale-up, and nature-based solutions. For climate change adaptation, the GEF supports technology transfer as a priority for the Least Developed Countries Fund (LDCF) and Special Climate Change Fund (SCCF). Climate adaptation strategy integrates technology into the design and recognizes technology transfer and innovation are key enablers of sustainable development for LDCs.
- With regards to the Green Climate Fund, Mr. Hansol Park (GCF) highlighted that the GCF is preparing for the second replenishment and Updated Strategic Plan for the GCF for 2024-2027 with the leadership of Ms. Mafalda Duarte, the newly appointed Executive Director of the GCF. He also shared essential figures of the GCF, emphasizing that the time from proposal review to first disbursement is getting shorter with faster implementation. For climate technologies, the GCF has three modalities which are a) Readiness and Preparatory Support Programme, b) Funding projects and programmes, and support for climate technology incubators and accelerators applying to Funding Proposals (FP), and c) Request for Proposal (RfP). In terms of Readiness support for technology, the GCF has approved 74 technology readiness grants so far. The CTCN submitted one FP Concept Note through the Kenyan Commercial Bank (KCB) for FP. Five potential areas of collaboration between the GCF and CTCN were suggested, including: a) connecting CTCN Network members with GCF's full-scale project with the GIZ (FP198) using technology incubators and accelerators as part of the business

model; b) assessing the CTCN readiness portfolio (31 grants) to extract knowledge projects for the best practices, including on TNAs. He also proposed the assessment of TNAs (from over 90 countries) to identify TNA elements for potential bankable projects. In addition, the NDE and NDA collaboration was proposed to be delivered through four regional structured dialogues and a global programming conference to respond to COP decisions on the Mechanisms facilitating the collaboration of NDA and NDE. Finally, he suggested exploring multi-country readiness with low transaction costs, high efficiency, and a proven model, leading to targeting strategic areas of mutual importance.

- Regarding the Standing Committee on Finance (SCF), it was reported that as parties endorsed the 2023 SCF Work Programme at COP27, the SCF has appointed new focal points to the TEC and CTCN AB for 2023 Ms. Dianne Black-Lane (Antigua and Barbuda) and Ms. Katarzyna Kowalska (Poland). The SCF is preparing the requested report on the definition of Climate Finance which will be submitted to COP28. The SCF will continue its work on ways to achieve article 2.1C of the Paris Agreement, including options for approaches and guidelines for implementation. This report will be submitted to CMA 5. The SCF has received a new mandate on their CMA to prepare a report on the doubling of adaptation finance for consideration at CMA 5 and will issue the inputs with a deadline of 30 June 2023. The SCF will organize a forum on financing just transition at the thirtieth meeting of the SCF, including associated opportunities and challenges. In 2023, the SBI is conducting the second review of the functions of SCF based on the terms of reference adopted at COP27. The SCF annually prepares a draft guidance of GCF and GEF, and the TEC provides inputs to the SCF on the draft guidance. There are additional reports that the SCF is mandated to deliver by 2024, and they will initiate its preparation in 2023.
- CTCN AB members welcomed the reports of the different UNFCCC Constituted Bodies and anticipated a stronger collaboration throughout 2023 and beyond.

## 17. Report by the CTCN Director

- Ms. Rose Mwebaza highlighted the successful launch and operation of the Partnership and Liaison Office of the CTCN (PALO) in Songdo, Republic of Korea, and the development of the Joint Programme of Work of the Technology Mechanisms and CTCN Programme of Work for 2023-2027. The Director provided an update on CTCN activities at COP27, with CTCN participation in over 55 technology events and over 240 speakers convened at different panels, as well as several bilateral meetings with NDEs. The Technology Mechanism launched its first-ever Joint Programme of Work for 2023-2027 with a high-level launch event featuring John Kerry, the first United States Special Presidential Envoy for Climate, Inger Andersen, Executive Director of UNEP, and Simon Stiell, UNFCCC Executive Secretary, along with senior government officials from Canada, Chile, the European Commission, Germany and the United States who announced new financial contributions. Also, the CTCN launched its own new Programme of Work for 2023-2027.
- Among RD&D-related Technical Assistance (TA) projects, four were completed this year, and eleven TAs started implementation in 2022. Same year, the CTCN received 50 requests for TA, and 25 of them were eligible and prioritized. TA requests for the feasibility of technology options were the most numerous, followed by recommendations for decision-making tools and information provision. Most of the TA

was related to transport, agriculture, water and infrastructure, and urban planning. The CTCN has received increasing requests for adaptation for AFCIA calls.

- She also highlighted that the CTCN has enhanced engagement with the Financial Mechanism. For AFCIA, the CTCN attracted 411 applications, and 15 of them are under implementation across the Asia-Pacific, LAC and Africa regions. For the GCF, 31 GCF Readiness Proposals with a total value of USD 12 million were implemented by the CTCN. For the NDC Partnership, 2 technical assistance were completed under the climate action enhancement package (CAEP) programme of NDC Partnership. For pro-bono and in-kind contributions, USD 819,000 was secured in 2022.
- For collaboration and stakeholder engagement, 87 new members joined the CTCN Network in 2022, reaching a total number of 796 CTCN Network members by the end of 2022.

## 18. CTCN Financial Matters

- The CTCN Secretariat presented an update on finance and CTCN's certified accounts, to be endorsed by the CTCN AB. A financial statement summary, including income and expenditure in 2022 was provided. As of 31 December 2022, the total cash received by CTCN was USD 14 million, with a total expense of USD 11 million. In addition, the CTCN received pro-bono support of USD 819,000 for TA supported by the Republic of Korea and Japan.
- CTCN achieved a financial implementation rate of 119% against the approved budget of USD 10 million. In 2022, CTCN delivered USD 8.1 million, equivalent to 69% of overall expenditure on Technical Assistance. USD 530,000 was spent on stakeholder engagement, USD 462,000 on capacity-building, USD 412,000 on NDEs and Network Engagement, USD 256,000 on Knowledge Management Systems, USD 187,000 on outreach and communication, USD 157,000 on Advisory Board and other UN meetings, USD 102,000 on monitoring and evaluation and USD 1.6 million on CTCN operations.
- It was also highlighted that CTCN's secured funding for 2023-2027 is USD 27 million. Since 2013, CTCN has secured a total contribution of USD 112 million. Among this, USD 93 million has been from voluntary contributions and USD 19 million from other mechanisms.
- The documents of AB/2023/21/18.1 Final Financial Statement for FY 2022, AB/2023/21/18.2 Overview of CTCN Finances were well received and endorsed by the AB.
- Finally, Ms. Mwebaza Director of the CTCN, presented a reflection during her tenure at CTCN as she is transferring to her new position as the Director of the Regional Office in Africa, UNEP.

## 19. Site visit

- The CTCN AB members were invited to a field trip to Sudokwon Landfill Site Management Corporation to learn about the Republic of Korea's implementation of climate technologies for waste management and waste-to-energy. The site visit showcased the opportunity for the developing countries to request assistance from the

Government of the Republic of Korea to establish similar facilities under bilateral technology cooperation projects.

#### **Day 4: CTCN AB21 (29 March 2023)**

##### **20. Guest speaker: Mr. Komlanvi Moglo of the West African Development Bank (BOAD)**

- Mr. Komlanvi Moglo, BOAD, presented the Bank's collaboration with the CTCN on the submission of a Concept Note to the Green Climate Fund. The West African Low Emissions and Climate Resilient Agriculture Financing Facility is being developed by BOAD in partnership with the CTCN.
- The goal of this project is to address the underlining climate risks faced by the agricultural sector by providing significant investments and technical assistance. Providing digital climate-resilient services for farmers and agribusinesses will enhance productivity and build sustainability and resilience in the entire agricultural value chain. This project also aims to promote the dissemination and adoption of successful lending practices to support Low Emissions, Climate Resilient (LECR) agriculture MSMEs.

##### **21. Strategy session on implementation of the CTCN Programme of Work (cont'd)**

- Documents: AB/2023/21/21.1 CTCN Programme of Work (2023-2027) Overview, AB/2023/21/21.2 Joint Work Programme of the Technology Mechanism
- This session was moderated by Mr. Erwin Rose, Vice-Chair. The first round of discussions focused on how to best integrate POW enablers (national systems of innovations and digitalization) into the CTCN's work. The AB members delved into how CTCN can enhance and expand its ongoing work in an inclusive and sustainable manner.
- It was emphasized that it is essential to align CTCN's activities with the PoW by analysing network members' capacities for RD&D collaboration. It was also highlighted the need to have specific focus on the social impact of innovation and digitalizations, furthermore, on how to mainstream gender and indigenous participation within the legislative framework of innovation. It was also underscored the need to engage with youth in a more inclusive and responsive manner, creating the conditions to ensure their involvement.
- The second round focused on collaboration with the TEC and broader UNFCCC on Joint Work Programme implementation (joint activities and common areas of work). The AB members discussed the modalities of collaboration to ensure coherency and complementarity between the work of TEC and CTCN in terms of common areas of work, technology roadmaps and digitalization (green technology database), and the next steps. It was suggested combining the existing roadmaps to identify barriers and tangible solutions. The importance of developing and disseminating the roster for gender experts was reiterated.
- The CTCN Secretariat gave a presentation on communications and outreach status and plans, highlighting CTCN communications goals for 2023-2027, and the importance of strengthening the profile of CTCN's profile vis-à-vis its stakeholders and the global climate change and climate innovation communities. The Secretariat expanded on

some of CTCN communications priorities, including showcasing the ROI of investing in CTCN and climate action, and promoting the portfolio of knowledge and technologies with the potential for scalability in developing countries. An overview was provided on the short and long-term communications goals, including the consolidation of the CTCN brand, the development of content for different channels and audiences, the upgrade of CTCN web platforms, and strengthened relationships with UNFCCC and UNEP.

- In reference to the review of technical assistance request selection criteria, the CTCN Secretariat gave a presentation on guiding and balancing principles, and prioritization criteria, which need to be met for TA requests to be eligible and prioritized.
- AB Members highlighted that multi-country proposals need to be encouraged, for which it is essential to promote cooperation between NDEs and coordination with the CTCN. It was discussed that digitalization cannot be included in the eligibility and prioritization criteria because it only applies to some project ideas. It was requested to further reflect the inclusion of youth and vulnerable populations in the criteria. Furthermore, the guiding principles should also include National Adaptation Plans and a gender approach. As per balancing principles, it was suggested to include a systems transformations perspective, a component of a multi-country project programme, in addition to indigenous peoples to the inclusiveness part. It also emphasized the inclusion of gender in the balancing principles and rephrasing it as “contributing to gender empowerment” for prioritization criteria.
- Since consensus was not achieved and further discussion was required, the Vice-chair suggested the establishment of a taskforce to undertake further efforts to review the criteria and be presented in the next AB meeting.

## 22. Presentation on CTCN technical assistance

- The Thailand Experience on CTCN Technical Assistance was presented by Mr. Surachai Sathitkunarat, Office of National Higher Education Science Research and Innovation Policy Council (NXPO), the NDE of Thailand. With nine CTCN TA projects, the NXPO is in a unique position to drive, climate technology policies. Besides the CTCN, they are also collaborating with UNFCCC national focal points, the Financial Mechanism and Action for Climate Empowerment (ACE). The TNA of Thailand has been implemented in alignment with Thailand's national plans; the result of TNA has been incorporated into Thailand's Climate Change Master Plan (2015) and Addressing Technology Needs in all Priority Sectors Specified in the National Adaptation Plan (NAP) of Thailand (2018). Among nine TA projects for Thailand, six of them were completed, one is at the design stage, and two are under implementation. Regarding the GCF Readiness programme based on CTCN TA projects, they are currently implementing one TA project to develop a national green hydrogen strategy and action plan for accelerating Thailand's net-zero target.
- Mr. Shirish S Garud, Energy and Resources Institute (TERI), India, CTCN's Consortium Partner, presented their experience on CTCN support to Timor-Leste. The project - Enabling readiness for capacity-building on installation and maintenance of solar PV in Timor-Leste - aims to strengthen managerial and technical capacities around solar PV system installation and maintenance and prepare a GCF Concept Note and a comprehensive strategy to design a programme for enhancing the effective use of solar



PV in the country. This project's deliverables and outcomes include a GCF project proposal and the knowledge and data to design the GCF project. He also briefed on the project impact to identify training needs and opportunities for interventions of solar PV in rural and urban areas and to develop a framework for gender and social inclusion. Reflecting on the impact of CTCN support in Timor-Leste, he highlighted that CTCN's support had been catalytic and transformational and would help leverage more significant financing, while accelerating the development of solar PV for power generation and help develop capacities at institutional levels for integrating renewables at the grid level.

- Mr. Rodrigo Valenzuela, Servicios de Ingenieria Deuman Limitada (DEUMAN), presented information on Chile's Technology Needs Assessment (TNA). Mr. Valenzuela shared Chile's climate commitments and challenges and a 15-month TNA process in Chile, from establishing a TNA committee to TNA training workshops. The current TNA process responds to the sectoral challenges previously identified and prioritized by the Chilean government. So far, the TNA process has helped prioritize and select technologies for four sectors: waste management, forestry and agriculture, water resources, and energy. He also mentioned some of the challenges faced by the TNA implementation, including change in government, varied levels of interest in addressing challenges, and different understandings in the general methodology and group commitment, but also challenges regarding the scope of the technical proposal, participation of the private sector, guarantee financing for project proposals and time outside the technical elaboration. Finally, he remarked that the CTCN could continue to contribute to the country by providing technical advice and funding to ensure implementation of the TAPs is sustainable over time.

### **23. Other matters**

- Mr. Erwin Rose, the Vice-Chair of AB, thanked the engagement of AB members during the twenty-first meeting of the CTCN AB.

### **24. Advisory Board administrative matters**

- Election of new Chair and Vice-Chair (Elect Vice-Chair). Document: - AB/2023/21/24.1 CTCN Advisory Board composition - AB/2023/21/24.2 CTCN Chair and Vice-Chair election process
- Mr. Erwin Rose, United States, was elected as the new Chair of the AB, for a one-year term.
- Mr. Fred Onduri, Uganda, was elected as the new Vice-Chair of the AB, for a one-year term.

### **25. Closure of CTCN AB 21 meeting**

- Mr. Omedi Moses Jura, the Chair of CTCN AB, thanked everyone for their participation in the twenty-first meeting of the CTCN AB and called the meeting to an end. The meeting was closed on Wednesday, 29 March 2023 at 4:20 p.m. KST.