Framework Convention on Climate Change

Technology Executive Committee

17 May 2024

Twenty-eighth meeting

16–19 April 2024 (19 April TEC-CTCN Advisory Board Joint session)

Report on the 28th meeting of the Technology Executive Committee

I. Opening of the meeting

1. The Chair of the Technology Executive Committee (TEC) for 2023, Stig Svenningsen, opened TEC 28 at 9 a.m. Central European Summer Time on Tuesday, 16 April 2024 in Copenhagen, Denmark. The meeting was held in hybrid format.

2. After the opening of the meeting, the TEC Chair welcomed all members who had been elected or re-elected at the twenty-eighth session of the Conference of the Parties (COP) and new members introduced themselves.

3. The table below lists the TEC members who attended TEC 28. Observers present at the meeting are listed in the annex.

TEC members attending TEC 28	
Omar Alcock	Stephen Minas
Kinga Csontos[a]	Monique Motty
Pemy Gasela	Titus Ng'andu
Muhammad Arif Rashid Goheer	Dietram Oppelt (Vice-Chair for 2024)
Olena Hrypych	Md Harun Or Rashid
Jingnan Hu	Erwin Rose
Thibyan Ibrahim (Chair for 2024)	Stig Svenningsen
Hassan Jangavar[a]	Kenichi Wada[a]
Sergio La Motta	Ambrosio Yobanolo del Real
Colin Mattis[a]	

[a] Participated virtually.

II. Organizational matters

(a) Election of the Chair and Vice-Chair of the Technology Executive Committee for 2024

4. The TEC elected Thibyan Ibrahim (Maldives) as Chair and Dietram Oppelt (Germany) as Vice-Chair of the TEC for 2024.

(b) Adoption of the agenda

5. The TEC adopted the agenda for TEC 28 as contained in document TEC/2024/28/1.

(c) Organization of work

6. The Chair presented, and the TEC took note of, the tentative work schedule for the meeting, including the joint session with the Advisory Board of the Climate Technology Centre and Network (CTCN), as contained in document TEC/2024/28/3.

III. Update on relevant meetings, events and initiatives

(a) Outcome of the Dubai Climate Change Conference

7. The TEC took note of the information presented by the secretariat on the main outcomes of the United Nations Climate Change Conference (COP28) in the United Arab Emirates, including on the first global stocktake, highlighting outcomes relevant to work under the Technology Mechanism, in particular that of the TEC. TEC members reported on the events in which they participated on behalf of the TEC.

8. The TEC requested the secretariat to include in future presentations under this agenda item supporting information and proposals for addressing mandates from the COP and the Conference of the Parties serving as the meeting of the Parties to the Paris Agreement in the context of the work of the TEC.

(b) Outlook for 2024: 60th Session of the UNFCCC Subsidiary Bodies

9. The TEC took note of the overview from the secretariat on of the intergovernmental work and process, including events relevant to the work of the TEC that will take place at the sixtieth sessions of the subsidiary bodies.

IV. Implementation of the rolling workplan for 2023–2027 and its activities

(a) Update on the implementation of the rolling workplan for 2023–2027 and its activities

10. The TEC considered the information presented by the secretariat on the status and the progress of implementation of the rolling workplan for 2023–2027 and welcomed the statement by the United Nations Industrial Development Organization (UNIDO) on its support in several areas of the work of the TEC in 2024–2025. The TEC expressed its appreciation to the Government of Italy to support its work on early warning systems.

11. The TEC considered the presentation by the secretariat on the resource and financial implications of the TEC rolling workplan for 2023–2027 and the implementation of the TEC strategy for collaborative partnerships and engagement and noted that financial resources are not sufficient to implement all activities envisioned in the workplan.

12. The TEC agreed to take into account those resource and financial implications and consider how best to complete the activities in its rolling workplan, for example through collaborative partnerships, in its consideration of TEC activities discussed at this meeting. It requested the secretariat to update the rolling workplan for 2023–2027 to reflecting the decisions taken by the TEC on these activities at the meeting.

(b) National systems of innovation and collaborative research, development and demonstration and general-purpose technologies

i. Emerging and transformational adaptation technologies: early warning systems

13. The TEC considered the first draft of a joint policy brief on early warning systems and a report on the status of progress and highlights of work in the implementation of this activity, undertaken in partnership with the Group on Earth Observations (GEO) under the umbrella of the Early Warnings for All (EW4All) initiative.

14. The TEC took note, with appreciation, of opportunities for global and country-level engagements presented by a representative of the UNDRR, as a co-lead of the EW4All and lead agency supporting the implementation of the Pillar 1 of the initiative on Disaster Risk

Knowledge, to broaden the reach and impact of the joint work of the TEC and GEO on innovation for risk knowledge through the EW4All initiative.

15. The TEC expressed appreciation to the activity group on early warning systems and GEO for the full and effective implementation of all agreed next steps since the last TEC meeting, including engagement with relevant stakeholders, experts and partners on the margins of flagship events[1] (i.e. GEO Week 2023 and COP 28) and capturing the inputs of a diverse range of stakeholders from the GEO community, EW4All partners, funding entities and UNFCCC constituted bodies in informing this activity.

16. The TEC requested the activity group to, in collaboration with the GEO, update the presented draft policy brief based on the guidance provided at the meeting, and subsequently, develop the conclusions section of the brief, including any key messages or policy recommendations, taking into consideration insights from further consultations with relevant partners, with a view to present the final draft policy brief at TEC 29

17. To further enhance the strategic outreach and stakeholder engagement in promoting and enriching this work, the TEC also agreed to utilize the Technology Mechanism side-event at the 60th session of the Subsidiary Bodies to present the ongoing work on EWS, which was welcomed by the CTCN Advisory Board. Moreover, the Earth Information Day at COP 29 was highlighted as a key platform for effective promotion of this activity.

ii. Digital technologies: artificial intelligence

18. The TEC considered a draft concept note for the development of a technical paper on artificial intelligence (AI) for climate action and a proposal from a co-lead of the activity group on digital technologies to prepare a short information note on the same topic. The TEC took note of the update on the AI Innovation Grand Challenge and expressed its appreciation to Enterprise Neurosystem for its continued support and engagement.

19. The TEC welcomed with appreciation an offer from UNIDO to support the development of the technical paper and the short information note on AI for climate action.

20. The TEC requested the activity group on digital technologies to:

(a) Revise the concept note for the technical paper on AI for climate action to reflect the discussion at the meeting, to include information on national and regional AI regulations, risks and challenges such as affordability and capacity needs, an analysis of gender bias and have separate categorizations of energy management and transport management in the analysis of AI for climate action in developing countries, and to prepare the technical paper for consideration at TEC 29;

(b) Develop the short information note on AI for climate action on the basis of an outline presented by a co-lead of the activity group with a view to finalizing the note intersessionally or at TEC 29.

21. The TEC encouraged its members and observers to support the dissemination of information on the AI Innovation Grand Challenge once the call for submissions has been published online.

(c) Technology needs assessments and technology planning tools to support NDC implementation

i. Technology needs assessment: analysis of success stories of implemented technology action plans and identification of key elements of success

22. The TEC considered a draft annotated outline of an analysis of success stories of implemented technology action plans (TAPs) and discussed issues to be included or further highlighted in the development of this knowledge product, including key elements of success in financing and implementing outcomes of technology needs assessments (TNAs) and TAPs in promoting alignment and linkages between the TNA process and other processes under

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[1] More information on the engagement of the TEC in invited meetings and events is available at https://unfccc.int/ttclear/events/participation.

the Convention and the Paris Agreement (e.g. national adaptation planning and the enhanced transparency framework under the Paris Agreement). The TEC also took note of country-specific examples shared by members and observers that may inform further work on this product.

23. The TEC took note of the approach and timeline for the update of the TNA step-by-step guidebook presented by UNEP (United Nations Environment Programme) Copenhagen Climate Centre and proposed including in the guidebook aspects of just transition and previous TEC guidance on TNAs. The TEC expressed its appreciation to UNEP Copenhagen Climate Centre for its continued support for and engagement in the work of the TEC on TNAs and TAPs and highlighted the importance of ensuring complementarity and coherence between the work of UNEP Copenhagen Climate Centre and the TEC on the topic in order to maximize synergies and avoid duplication of efforts.

24. The TEC took note of the resource constraints that have prevented the initiation of work on a TNA guidebook on the energy sector, including aspects of just transition. The TEC welcomed the offer by UNIDO to support this work in collaboration with UNEP Copenhagen Climate Centre.

25. The TEC requested the activity group to:

(a) Take into account the guidance provided at the meeting and, in collaboration with UNEP Copenhagen Climate Centre, prepare a draft analysis of success stories of implemented TAPs for consideration at TEC 29;

(b) Contribute to the update of the UNEP Copenhagen Climate Centre TNA step-by-step guidebook, in accordance with the timeline presented;

(c) Guide the preparation of the TNA energy sector guidebook by UNEP Copenhagen Climate Centre in collaboration with UNIDO.

ii. Long-term technological transition pathways

26. The TEC took note of presentations by the UNFCCC secretariat on key findings from its 2023 synthesis report on long-term low-emission development strategies (LT-LEDS), including on technology aspects of LT-LEDS, and a presentation by a representative of Regional Collaboration Centre (RCC) West and Central Africa on experience of and lessons learned from the development of LT-LEDS in sub-Saharan African countries.

27. The TEC agreed to amend its rolling workplan, considering the resource implications of this activity and, instead of pursuing the organization of its own workshops on this matter, to engage in regional LT-LEDS workshops organized by RCCs. The TEC requested the activity group on long-term technological transition pathways to work with the RCCs on this matter.

(d) Transformative and innovative solutions

i. Water–energy–food systems

28. The TEC considered the presentation by the Food and Agriculture Organization of the United Nations (FAO), which covered the updated annotated outline of the knowledge product "Climate Technologies for Agrifood Systems Transformation", setting out the approach, definition and key drivers in relation to climate action and technologies for the transformation of agrifood systems, as well as related capacity needs, institutional requirements, financial needs and requirements for technology deployment, and describing the case studies included in the knowledge product.

29. The TEC requested the activity group to:

(a) Revise the updated annotated outline on the basis of the comments provided at the TEC meeting regarding highlighting water–energy linkages, and include additional case studies on gender and Indigenous technology, including one case study from a developed country;

(b) Develop the final knowledge product, including in it key messages and recommendations, to be presented at TEC 29;

(c)   Prepare a concept note for a COP 29 event on this topic, to be presented at TEC 29.

ii.   Buildings and infrastructure

30.   The TEC considered the following presentations and interventions containing information on the latest developments in the policy landscape of climate action in the buildings and construction sector and the interest of potential partners in collaborating with the TEC:

(a)   Presentations by representatives of the Global Alliance for Buildings and Construction, covering key findings of the latest edition of the "Global Status Report for Buildings and Construction", the work under the Buildings Breakthrough campaign and collaboration opportunities in 2024–2026;

(b)   A presentation by a Co-Chair of the Sharm el-Sheikh mitigation ambition and implementation work programme highlighting the topic of the 2024 global dialogues under the work programme, "Cities: buildings and urban systems", and the opportunity for collaboration with the TEC;

(c)   A presentation by the secretariat on the outcomes of bilateral engagements with potential partners to date;

(d)   Interventions by the Massachusetts Institute of Technology (MIT) Policy Lab and Cities Alliance highlighting potential collaborative partnerships with the TEC in this context.

31.   The TEC agreed to amend the rolling workplan, considering the resource implications of this activity, and, instead of organizing a stand-alone event in 2024, to engage in ongoing processes and initiatives such as global dialogues under the Sharm el-Sheikh mitigation ambition and implementation work programme and the Buildings Breakthrough campaign coordinated by the Global Alliance for Buildings and Construction in order to identify areas of focus TEC's policy work can add value, while maximizing synergies and avoiding duplication of efforts.

32.   The TEC also requested the activity group, through further engagement with interested partners and under relevant processes, to identify topics or areas of focus for a knowledge product in 2025 and to report back on the outcomes of such efforts at TEC 29.

iii.   Transformative industry

33.   The TEC considered a draft concept note for Technology Day at COP 29 on transformative industry and a draft annotated outline for a policy brief on hard-to-abate industries for updated nationally determined contributions (NDCs).

34.   The TEC expressed its appreciation to UNIDO, the Government of Germany and the Government of Japan for their commitment to supporting the organization of Technology Day and the preparation of the policy brief.

35.   The TEC agreed to invite the CTCN secretariat and representative of the World Intellectual Property Organization (WIPO) to join the activity group on transformative industry following their expression of interest to contribute to the work of the TEC in this area.

36.   The TEC agreed to organize Technology Day at COP 29 and requested the activity group to revise the concept note for Technology Day to reflect discussions at the meeting, including on guidance on raising sectoral mitigation ambition as part of economy-wide targets, rather than sectoral targets in NDCs.

37.   The TEC also requested the activity group to revise the annotated outline of the policy brief to reflect discussions at the meeting, including in information raising sectoral mitigation ambition as part of economy-wide targets in NDCs, the impact of the transition including the impact on the communities around the industries, consideration of all relevant industries, and references to electrification, carbon capture and storage and hydrogen technologies. The TEC further requested the activity group to prepare a draft policy brief on the basis of the revised annotated outline for consideration at TEC 29.

(e) **Collaboration and engagement with other UNFCCC processes and constituted bodies and other UN agencies**

i. Collaboration and engagement with the Standing Committee on Finance (SCF) and the Operating Entities of the Financial Mechanism

38. The TEC took note of the information presented by the Green Climate Fund (GCF), the Global Environment Facility (GEF) and the Adaptation Fund on latest developments in their work on supporting technology development and transfer, including through incubators and accelerators, as well as through supporting country readiness and capacity-building processes that seek to facilitate access to financing from climate funds for innovation and transformational impact.

39. The TEC requested the activity group on inputs to the Standing Committee on Finance to prepare draft inputs to the draft guidance to the operating entities of the Financial Mechanism as soon as the draft annual reports of the GCF and the GEF to the COP become available.

40. The TEC agreed to hold virtual consultations with the activity group during the week of 12 August 2024 with a view to finalizing the inputs and submitting them to the Standing Committee on Finance by the deadline of 19 August 2024.

ii. Collaboration and engagement with the Executive Committee of the Warsaw International Mechanism for Loss and Damage

41. The TEC took note of a presentation by a representative of the Executive Committee of the Warsaw International Mechanism (WIM) on the Executive Committee's insights and planned activities related to climate technologies for loss and damage.

42. The TEC welcomed its ongoing collaboration with the WIM Executive Committee and the Executive Committee's inputs to the TEC paper on early warning systems and agreed to continue that collaboration.

iii. Collaboration and engagement with the UNFCCC gender team

43. The TEC considered the revised draft policy brief on gender-responsive technology and infrastructure for sustainable urban mobility and noted the opportunity to link the work under this activity with other activities of the TEC rolling workplan with a view to strengthening efforts to mainstream gender consideration in its work.

44. The TEC requested the activity group to finalize the policy brief on gender-responsive technology and infrastructure for sustainable urban mobility intersessionally in collaboration with the UNFCCC gender team taking into account the guidance provided at the meeting.

iv. Collaboration and engagement with the UNEP-Copenhagen Climate Centre

45. The TEC took note of an update presented by UNEP Copenhagen Climate Centre on the development of the climate technology progress report for 2024, as well as the presentation by the secretariat on approaches to developing key messages and possible recommendations on the basis of the climate technology progress reports for 2022 and 2023.

46. The TEC recalled its previous decision and requested the activity group with the support of the secretariat, to prepare key messages and possible recommendations on the basis of the climate technology progress reports for 2022 and 2023 for consideration at TEC 29.

V.   Gender mainstreaming

47. The TEC took note of the report by its gender focal point on progress in mainstreaming gender in the work of the TEC.

48. The TEC agreed to appoint Olena Hrypych alongside Ambrosio Yobanolo del Real as TEC gender focal points for the remainder of the 2023–2024 period and welcomed the gender balance achieved between the gender focal points appointed to the role.

VI. Monitoring and evaluation

(a) The TEC monitoring and evaluation system to align with the rolling workplan for 2023–2027

49. The TEC considered the revisions to the performance measurement framework of the TEC monitoring and evaluation system, proposed by the secretariat.

50. The TEC agreed to the suggested operational indicators and targets and requested the secretariat to adjust the indicator related to gender considerations so that the rule of gender balance applies to all TEC events, including to speakers.

51. The TEC agreed to establish an open-ended activity group on monitoring and evaluation of the TEC and to discuss the impact of the work of the TEC, including respective indicators.

VII. Preparation of the workshop on Linkages between the Technology Mechanism and Financial Mechanism

52. The TEC considered the presentation from a representative of the ad hoc activity group on the draft concept note for the SBI 60 in-session workshop on linkages between the Technology Mechanism and the Financial Mechanism, prepared in collaboration with the CTCN and in consultation with the Chair of the Subsidiary Body for Implementation.

53. The TEC requested the activity group to finalize the concept note by distinguishing more clearly between entities that are and entities that are not part of the Technology Mechanism and the Financial Mechanism, removing the guiding questions, ensuring regional balance in invitations to multilateral development banks and correcting the reference to the fund for responding to loss and damage referred to in decisions 1/CP.28 and 5/CMA.5.

54. The TEC requested the secretariat to proceed with the preparations for the workshop on the basis of the revised concept note and to invite, to the extent possible, speakers who will be attending the sixtieth sessions of the subsidiary bodies in order to reduce travel costs.

VIII. Joint session of the Technology Executive Committee and the Advisory Board of the Climate Technology Centre and Network

55. At their joint session, on 19 April, the TEC and the CTCN Advisory Board discussed their joint activities and common areas of work under the joint work programme of the Technology Mechanism for 2023–2027.

56. Opening remarks were delivered by Dechen Tsering, Director ad interim. of the Climate Change Division of UNEP, Abdelaziz Haribi, a representative of the COP 28 Presidency, and Farid Osmanov, a representative of the incoming COP 29 Presidency.

(a) Matters related to the TEC and CTCN

i. Overview of the outcomes of the Dubai Climate Change Conference related to the Technology Mechanism

57. The TEC and the CTCN Advisory Board took note of the presentation by the secretariat on the main outcomes of the United Nations Climate Change Conference in the United Arab Emirates, particularly those relevant to the work of the Technology Mechanism, including the technology components of the first global stocktake.

ii. Update on the work of the TEC and CTCN, and reflections on synergies between the two bodies

58. The TEC and the CTCN Advisory Board took note of the information provided by their Chairs on the progress of work of each body since TEC 27 and the 22nd meeting of the CTCN Advisory Board. The Chairs of both bodies shared issues arising from their work and the implications thereof for the other body's work.

59. The TEC and the CTCN Advisory Board suggested that their secretariats further improve synergies by establishing a system whereby the TEC systematically receives feedback from CTCN technical assistance implementers on their use of TEC publications. They also encouraged their secretariats to invite members from both bodies to participate in their respective activity groups and joint task forces with a view to maximizing collaboration.

(b) Implementation of the joint work programme of the Technology Mechanism for 2023–2027

i. Digitalization

60. The TEC and the CTCN Advisory Board took note of the update presented by the CTCN secretariat on the process of revising the draft concept notes on green technology databases and distributed ledgers respectively and the presentation by WIPO on the WIPO GREEN database.

61. The TEC and the CTCN Advisory Board agreed to continue working with WIPO on green technology databases. The TEC and the CTCN Advisory Board also invited the secretariat to present, at the next joint session, the results of the Local Communities and Indigenous Peoples Platform multi-stakeholder dialogue on transformative technologies for climate action, organized in collaboration with the TEC and held in December 2023.

62. The TEC and the CTCN Advisory Board agreed to merge their task forces on digitalization and AI to guide the joint activities of the TEC and the CTCN in those areas.

ii. Technology Mechanism initiative on artificial intelligence for climate action

63. The TEC and the CTCN Advisory Board considered:

(a) The draft workplan for the initiative for 2024–2027;

(b) The establishment of an advisory group to guide the work under the initiative;

(c) Information on the possible establishment of a Technology Mechanism AI climate application hub;

(d) Information on a proposed series of capacity-building workshops on AI for climate action by the CTCN secretariat.

64. The TEC and the CTCN Advisory Board requested the joint task force on digitalization to:

(a) Revise the draft workplan for the initiative on the basis of comments at the meeting, such as by considering the impact of AI on climate change and including youth participation in this process;

(b) Implement the initiative without establishing an advisory group, instead drawing on the expertise of members of the joint task force;

(c) Proceed with the establishment of a Technology Mechanism AI Climate Application Hub to serve as repository of AI powered open-source climate applications, including solutions identified through the AI Innovation Grand Challenge;

(d) Consider activities on AI for climate action that are inclusive of youth, elderly, women, and Indigenous Peoples.

65. The TEC and the CTCN Advisory Board acknowledged the resource and capacity constraints of the TEC and CTCN secretariats, including in relation to coordinating and managing activities under the workplan for the initiative, and agreed that undertaking of activities subject to the availability of resources.

iii. Gender and technology

66. The TEC and the CTCN Advisory Board took note of the information provided by the CTCN secretariat on progress in developing the gender and climate technology expert roster, including on a new platform for hosting the roster, initial user statistics, and upcoming communication and outreach activities. They also took note of the presentation by the women and gender constituency on analyses of gender in TNAs.

67.   The TEC and the CTCN Advisory Board requested the CTCN secretariat to include data disaggregated by age group in the gender roster, and also requested amendments to the call for experts, highlighting the call for gender and technology experts. They also proposed amendments to the Roster description, emphasizing the inclusion of female climate experts and gender experts.

iv.   Resource mobilization and partnerships to support implementation of the joint work programme

68.   The TEC and the CTCN Advisory Board welcomed the information provided by the CTCN and UNFCCC secretariats on their collaborative efforts to mobilize resources to support implementation of the joint work programme of the Technology Mechanism for 2024–2027, including the launch of the joint call for partnerships to support the acceleration of technology development and transfer through the joint work programme of the Technology Mechanism, through the UNFCCC partnerships page.[2]

69.   The TEC and the CTCN Advisory Board encouraged TEC and CTCN Advisory Board members, as well as Network members and observers, to support these joint resource mobilization efforts by disseminating information on the joint call for partnerships.

(c)   Monitoring and evaluation

70.   The TEC and the CTCN Advisory Board considered the information presented by the CTCN secretariat on the planned national designated entities (NDEs) survey. It also considered an analysis of the monitoring and evaluation systems of two bodies and an overall analysis of the joint monitoring and evaluation indicators for the joint work of the two bodies with the aim of satisfying the existing reporting requirements.

71.   The TEC and the CTCN Advisory Board agreed to operational-level indicators and requested the activity group to focus on the joint reporting requirements to inform the discussion on gaps in the monitoring and evaluation system, considering the Technology Mechanism as a whole, as well as elaborate impact related indicators.

72.   The TEC and the CTCN Advisory Board requested their secretariats to disseminate the NDE survey to NDEs and report on the survey results at the next joint session.

(d)   Date and venue of the next meeting

73.   The TEC and the CTCN Advisory Board took note of the dates of TEC 29 and the 24th meeting of the CTCN Advisory Board, which are tentatively scheduled to take place in Bonn in September 2024.

74.   The TEC and the CTCN Advisory Board requested the TEC and CTCN secretariats to avoid, to the extent possible, holding the meetings at the same time as Climate Week NYC.

IX.   Other matters

(a)   Potential collaboration with the UN Climate Change Global Innovation Hub

75.   The TEC and the CTCN Advisory Board took note of the presentation by the UN Climate Change Global Innovation Hub on potential areas of collaboration between the Technology Mechanism and the UN Climate Change Global Innovation Hub.

76.   The TEC and the CTCN Advisory Board suggested taking steps to establish collaboration in the area of common interest.

77.   The TEC and the CTCN Advisory Board requested the UNFCCC secretariat to continue coordination on this topic and to identify potential ways to address the concerns raised by members at the meeting and report thereon at the next joint session.

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[2] See https://unfccc.int/about-us/partnerships/current-calls-for-partnerships/accelerating-technology-development-and-transfer-through-the-joint-work-programme-of-the-technology.

(b)   National Designated Entities forum

78.   The TEC and the CTCN Advisory Board took note of the planned NDE forums, including future steps and resource implications.

(c)   Rethinking the TEC annual report

79.   The TEC considered and discussed options for potential amendments to the preparation of future annual reports in order to better reflect activities of the TEC and findings from its work, taking into account reporting-related mandates and guidance from the COP and the Conference of the Parties serving as the meeting of the Parties to the Paris Agreement.

80.   The TEC agreed to utilize various options discussed at the meeting in a mutually inclusive manner following a stepwise approach, and to revisit this issue in the future, as necessary.

81.   The TEC requested its Chair and vice chair, with support from the secretariat, to initiate application this approach in the preparation of the TEC annual report for 2024.

X.   Closure of the meeting

82.   The TEC Chair summarized the key outcomes of the meeting and closed the meeting at 6 p.m. Central European Summer Time on Friday, 19 April 2024.

Annex

Observers registered to participate in the 28ᵗʰ meeting of the Technology Executive Committee

Party observers

Farid Osmanov (Azerbaijan)
Sonia Regina Mudrovitsch de Bittencourt (Brazil)
Pedro Ivo Ferraz da Silva (Brazil)
Norihiro Kimura (Japan)
Rina Chikazawa (Japan)
Kaoru Yamaguchi (Japan)
Abdelaziz Harib Al Tunaiji (United Arab Emirates)
Reed Brown (United States of America)

Observers from United Nations organizations and specialized agencies

Naoki Uozawa (Adaptation Fund)
Rajiv Garg (CTCN Director ad interim)
Fred Machulu Onduri (CTCN Advisory Board Vice-Chair)
Arne Georg Janssen (Cities Alliance)
Inkar Kadyrzhanova (FAO)
Irini Maltsoglou (FAO) – virtual participation
Makie Yoshida (FAO) – virtual participation
Hansol Park (GCF)
Patricia Marcos Huidobro (GEF) – virtual participation
Rui Kotani (GEO secretariat)
Gulnara Roll (UNEP)
Sara Trærup (UNEP Copenhagen Climate Centre)
Markova Galimira (UNDRR)
Alois Posekufa Mhlanga (UNIDO)
Haruka Yoshida (UNIDO)
Dalila Hamou (WIPO)
Peter Oksen (WIPO)
Shanar Taleb-Tabrizi (WIPO)

Non-governmental organizations and observers

Emilly Caroline Silva (constituency of research and independent non-governmental organizations)
Renuka Bharat Thakore (constituency of research and independent non-governmental organizations)
Asja Begić (constituency of children and youth non-governmental organizations)
Hendrik Marc Vincent Bohn (constituency of children and youth non-governmental organizations)
Ryan Holmes (Blockchain and Climate Institute)
Arend Janssen (Blockchain and Climate Institute)
Alastaire Marke (Blockchain and Climate Institute)
Anne Laure Barre (women and gender constituency)

Resource persons and independent consultants

Drew Story (resource person, MIT Policy Lab)
Bethany Patten (resource person, MIT Policy Lab)
Bill Wright (resource person, Enterprise Neurosystem)
Clarine Ovando-Lacroux (resource person, UNEP Copenhagen Climate Centre consultant)
Camila Rodríguez (resource person, Co-Chair of the WIM Executive Committee) – virtual participation
Sierra Woodruff (resource person, Co-Chair of the WIM Executive Committee) – virtual participation
Oliver Robin Rapf (resource person, Buildings Performance Institute Europe) – virtual participation
Lola Vallejo (resource person, Co-Chair of the Mitigation Work Programme) – virtual participation
Martha Teshome (resource person, independent consultant) – virtual participation

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