<div align="center">

8ᵗʰ meeting of the Technology Executive Committee

Langer Eugen, Bonn, Germany
5–7 March 2014

Meeting report

</div>

1. Opening of the meeting

1. The Chair of the Technology Executive Committee (TEC) for 2013, Mr. Antonio Pflüger, opened the 8ᵗʰ meeting of the TEC (TEC 8) at 9.30 a.m. on Wednesday, 5 March 2014.

2. The table below lists the TEC members attending TEC 8. Observers present at the meeting are listed in annex I.

TEC members attending TEC 8	
Mr. Kanat Baigarin	Mr. Eduardo Noboa
Mr. Albert Binger	Mr. Antonio Pflüger
Mr. Gabriel Blanco (Chair for 2014)	Mr. Seyed Mohammad Sadeghzadeh
Mr. Daniel Buira Clark	Mr. Kunihiko Shimada (Vice-Chair for 2014)
Mr. Wang Can	Ms. Viktoriia Shtets
Mr. Nagmeldin Goutbi Elhassan	Mr. Stig Svenningsen
Mr. Omedi Moses Jura	Mr. Griffin Thompson
Mr. Matthew Kennedy	Mr. Karma Tshering
Mr. Krzysztof Klincewicz	Ms. Amel Zouaoui
Ms. Elfriede A. More	

2. Organizational matters

a) <u>Election of the Chair and Vice-Chair of the Technology Executive Committee for 2014</u>

3. The TEC elected Mr. Gabriel Blanco as Chair and Mr. Kunihiko Shimada as Vice-Chair for 2014.

b) <u>Adoption of the agenda for the 8ᵗʰ meeting</u>

4. The TEC adopted the provisional agenda for TEC 8 with the following amendment to the title of agenda sub-item 5(b): "Enabling environments for and barriers to technology development and transfer".

c) <u>Adoption of the minutes of the 7ᵗʰ meeting</u>

5. The TEC adopted the draft minutes of its 7ᵗʰ meeting (TEC 7) as presented.

d) <u>Membership matters</u>

6. The TEC welcomed the newly elected or re-elected members, and all TEC members were invited to briefly introduce themselves.

7. The TEC took note of the status of membership of the TEC, including the pending nomination to replace Mr. Süfyan Emiroğlu, Turkey, who resigned in January 2014.

e) Organization of the work of the meeting

    8. The TEC took note of the organization of the work of the meeting, and the objectives and expected outcomes of the meeting.

3. Outcomes of other relevant meetings and events

a) Warsaw climate change conference

    9. The TEC exchanged views on decisions and conclusions adopted at the climate change conference held in Warsaw, Poland, of relevance for the TEC, following the presentation of a background note by the secretariat.

    10. TEC members also suggested some possible follow-up activities as part of the workplan for 2014−2015, for further consideration under agenda item 6.

b) Other meetings and events

    11. Some TEC members reported on their participation or involvement in the following other meetings, events or activities of relevance for the work of the TEC:

        a) Climate week, as part of the World Economic Forum Annual Meeting 2014 in Davos, Switzerland;

        b) Activities of the Climate Innovation Center in Nairobi, Kenya;

        c) Launch of WIPO Green in Geneva, Switzerland;

        d) Workshop on low-carbon energy technologies by the International Energy Agency in Paris, France.

    12. The TEC took note of the information provided.

4. Implementation of the Technology Mechanism

a) Update on the Climate Technology Centre and Network

    13. The TEC congratulated Mr. Jukka Uosukainen, a former member of the TEC, on his appointment as the Director of the Climate Technology Centre and Network (CTCN). The TEC took note of the update provided by Mr. Uosukainen on the operations and progress of work of the CTCN and the preparations of the 3rd meeting of the Advisory Board of the CTCN. Mr. Uosukainen mentioned that the Climate Technology Centre had received, so far, 14 pilot requests and one official submission from national designated entities (NDEs).

    14. The TEC agreed to invite the Chair and Vice-Chair of the Advisory Board of the CTCN to attend its future meetings.

b) Update on national designated entities

    15. The TEC exchanged views on, and took note of, the information provided by the secretariat on the status of Party nominations of NDEs, which totalled 66 as of 5 March 2014.

c) Linkages between the Technology Mechanism and the financial mechanism

    16. Following the presentation of a background note by the secretariat, the TEC exchanged views on possible linkages between the Technology Mechanism and the financial mechanism and a possible process for the TEC to develop recommendations for consideration by the Conference of the Parties at its twentieth session on such linkages, as mandated by decision 1/CP.18.

    17. In the discussion, TEC members considered the guiding questions proposed in the background note, in particular, the nature of linkages between the Technology Mechanism and the financial mechanism, and the key elements of possible recommendations of the TEC on such linkages. TEC members also suggested some possible follow-up activities as part of its workplan for 2014−2015, for further consideration under agenda item 6.

5. Ongoing work of the Technology Executive Committee

a) <u>Technology needs assessments</u>

18. The TEC exchanged views on the information presented by the secretariat with regard to technology needs assessments (TNAs), in particular, on the main outcomes of the in-session workshop on TNAs held at TEC 7, and a background note on project ideas identified from TNAs. TEC members also suggested some possible follow-up activities as part of the workplan for 2014−2015, for further consideration under agenda item 6.

b) <u>Enabling environments for and barriers to technology development and transfer</u>

19. The TEC considered the proposal of the task force on enablers and barriers, established at TEC 7, on the areas of a workshop on "Strengthening national systems of innovation in developing countries, covering the entire technology cycle for climate technologies".[1]

20. The TEC agreed on the areas of the workshop as proposed by the task force and agreed to hold this two-day workshop in the second half of 2014.

c) <u>Technologies for adaptation</u>

21. The task force on adaptation reported to the TEC on the workshop on technologies for adaptation held on 4 March 2014 in collaboration with the Adaptation Committee. The task force reported on recommendations from the workshop, which included possible topics for TEC Briefs on technologies for adaptation and further areas of work that the TEC could undertake, including in collaboration with the Adaptation Committee.

22. The TEC considered the outcomes of the workshop and requested the task force to conduct further work to define topic(s) for TEC Brief(s) on technologies for adaptation, in consultation with the Adaptation Committee members, and report back to the TEC for final approval intersessionally via electronic means. The TEC also requested the task force to further consider recommendations based on the discussions held during the workshop with regard to other areas of collaboration work with the Adaptation Committee and to report this consideration at its 9th meeting (TEC 9).

6. Elaboration of the workplan of the Technology Executive Committee for 2014–2015

23. After several constructive exchanges and discussions among TEC members, and valuable dialogue with observer Parties and organizations participating in the meeting on the focus and expected deliverables, the TEC adopted its rolling workplan for 2014–2015, as contained in annex II.

24. The secretariat informed the TEC on the requirement for the secretariat to inform the TEC on possible resource implications to cover activities specified in the workplan that cannot be met by existing resources. The secretariat will consult with the Chair and Vice-Chair, and will inform the TEC if additional resources are required.

25. To undertake intersessional work on activities of the workplan, the TEC agreed to:

 a) Maintain the task forces on:

  i. TNAs;

  ii. Enablers and barriers;

  iii. Adaptation;

 b) Substitute the task force on linkages with a task force on linkages between the Technology Mechanism and the financial mechanism;

 c) Establish new task forces on:

  i. Mitigation;

  ii. Emerging and cross-cutting issues.

---

[1] The proposal is contained in document TEC/2014/8/7.

26. The TEC agreed that the general mandate of each task force is to undertake work on related activities of the rolling workplan for 2014−2015. The TEC also agreed that the Chair and Vice-Chair will provide further guidance, including brief terms of reference, to the task forces in the coming weeks to initiate their work.

27. The TEC further agreed to invite accredited observers to participate in the task forces on adaptation, mitigation, and emerging and cross-cutting issues. The TEC also agreed to send specific information and notifications to relevant observer organizations regarding the nomination of their representatives to participate in these task forces of the TEC.

28. The composition of all ongoing task forces is provided in annex III.

29. TEC members proposed the following topics that could be further considered in the area of mitigation:

   a) Solar photovoltaics, green cooling, demand side management;

   b) Pilot mitigation projects with regional balances;

   c) Energy efficiency: Guidelines, standards, best practices and successful cases studies, and to highlight and share them;

   d) Matching of the needs identified in TNAs with the results from already available analyses/scenarios/studies;

   e) Gaps in mitigation – based on TNAs project proposals;

   f) Focus on software, not hardware, technologies;

   g) Mitigation-related policies;

   h) Technology contributing to mitigation challenges: collaborative research and development, focusing on cost reduction;

   i) Human side of mitigation technologies: benefits of sustainable development;

   j) Mitigation technology as a way to enhance co-benefits (energy security, etc.) and quantification of the co-benefits;

   k) Synergy between mitigation and adaptation.

30. TEC members proposed the following topics that could be further considered in the area of emerging and cross-cutting issues:

   a) Urbanization and subnational authorities/cities;

   b) Information communication technology in development and transfer of technology;

   c) Technology assessment;

   d) Technology integration.

7. Collaboration with other relevant institutional arrangements

a) Adaptation Committee – task force on national adaptation plans

31. The TEC nominated Mr. Albert Binger for the task force of the Adaptation Committee on national adaptation plans.

b) Executive Committee of the Warsaw International Mechanism for Loss and Damage

32. The TEC nominated Mr. Krzysztof Klincewicz as the representative of the TEC from developed country Parties for the interim Executive Committee of the Warsaw International Mechanism for Loss and Damage associated with Climate Change Impacts. The TEC did not reach an agreement on its representative from developing country Parties. It requested the interested TEC members to further consult and inform the Chair and Vice-Chair of their agreement after TEC 8.

c) Other bodies

33. The TEC discussed possible areas and activities where collaboration with bodies under and outside of the Convention and other stakeholders would be beneficial for the TEC, taking into account:

a) An update by the secretariat on the current status of collaboration with other bodies;

b) An update by the Chair and Vice-Chair for 2013 on the outcomes of bilateral meetings they held in Warsaw with Chairs or representatives of other bodies;

c) An update by the Chair and Vice-Chair for 2014 of an informal meeting held on 5 March 2014 between the Chairs of the Adaptation Committee, the Standing Committee on Finance and the TEC;

d) Information provided by the secretariat on the financial mechanism of the Convention and its bodies, operating entities and funds.

34. The TEC agreed to use its workplan as a basis to identify possible areas and activities where collaboration with bodies under and outside of the Convention and other stakeholders would be beneficial for the TEC.

8. Technology information platform

35. The TEC welcomed with appreciation the excellent presentation by the secretariat on the progress made in the development of the features of the technology information platform TT:CLEAR.

9. Other matters

a) Other matters raised by members of the Technology Executive Committee

36. The TEC nominated Mr. Omedi Moses Jura to participate in the joint meeting of the Adaptation Committee and the Nairobi work programme entitled "Available tools for the use of indigenous and traditional knowledge and practices for adaptation, needs of local and indigenous communities, and the application of gender-sensitive approaches and tools for adaptation".

37. The TEC agreed to invite to its next meeting a representative of the Intergovernmental Panel on Climate Change (IPCC) to present information on the Fifth Assessment Report of the IPCC, to be released in 2014.

b) Opportunity for final statement by observers

38. The TEC considered other matters raised by observers, and took note of the information provided.

c) Date and venue of the next meeting of the Technology Executive Committee

39. The TEC agreed to hold TEC 9 in late August 2014 in Bonn, Germany, pending final verifications regarding the availability of venues. The TEC also agreed to discuss and agree at TEC 9 on the date of its 10th meeting. The TEC further agreed to hold the workshop on strengthening national systems of innovation later in 2014.

40. The TEC mandated the Chair and Vice-Chair to provide guidance to the TEC task forces, as needed, to ensure the timely conduct of work undertaken intersessionally by the task forces.

d) Other issues by the secretariat

41. The secretariat presented a new approach for the reporting of TEC meetings, consisting of preparing a meeting report, in replacement of the current minutes, which focuses on the meeting outcomes and decisions. Such a meeting report would be made publicly available on TT:CLEAR.

42. The TEC agreed to replace its minutes with meeting reports for its meetings from TEC 8 onwards.

10. Closure of the meeting

43. The Chair of the TEC officially closed the meeting at 2.00 p.m. on 7 March 2014.

Annex I – List of observers attending the 8th meeting of the Technology Executive Committee

Party observers

Ms. Nouf Aburas (Saudi Arabia)
Ms. Sarah Baashan (Saudi Arabia)
Ms. Beatrice Coda (European Union)
Ms. Marion Geiss (Germany)
Mr. Peter Mari Govindasamy (Singapore)
Mr. Ben Ho (Singapore)
Mr. Karsten Krause (European Union)
Mr. Gustavo Luedemann (Brazil)
Mr. Dumisani Mthembu (South Africa)
Mr. Dietram Oppelt (Germany)
Mr. Carlos Rossi (Peru)
Ms. Joe Marie Judie C. Roy (Haiti)
Ms. Damla Saglam Satir (Turkey)
Mr. Kenji Shiraishi (Japan)

United Nations organizations

Mr. Joseph Bradley (World Intellectual Property Organization)
Mr. Zitouni Ould-Dada (United Nations Environment Programme)
Mr. Jukka Uosukainen (Climate Technology Centre and Network)

Intergovernmental and non-governmental organizations

Mr. Ahmed Nihad Abdel Latif (International Centre for Trade and Sustainable Development)
Mr. Francisco Boshell (International Renewable Energy Agency)
Ms. Hilary Chiew (Third World Network)
Ms. Heleen De Coninck (Radboud University Nijmegen)
Ms. Claudia do Valle (Federal University of Rio de Janeiro)
Ms. Agnes Valerie Dudek (DNV GL AS)
Ms. Norine Kennedy (United States Council for International Business)
Mr. Michinori Kutami (Fujitsu Limited)
Ms. Janice Meier (Sierra Club)
Mr. Linus Mofor (International Renewable Energy Agency)
Ms. Tanya Morrison (Shell International Petroleum Co. Ltd)
Mr. Dominic Muyldermans (CropLife International)
Mr. Gerard Owens (European Patent Office)
Mr. Kevin Douglas Pearce (Cambridge University)
Mr. Patrice Rollet (Inventec)
Mr. Uwe Schriek (Siemens AG)
Mr. John Scowcroft (Global Carbon Capture and Storage Institute)
Ms. Allison Weiner Mages (General Electric)

Annex II – Rolling workplan of the Technology Executive Committee for 2014−2015

Rolling workplan of the Technology Executive Committee for 2014−2015

Activities	Deliverables	Expected outcomes	Indicative timeline				Technology Executive Committee function / Conference of the Parties mandate
			Jan.– June 2014	July– Dec. 2014	Jan.– June 2015	July– Dec. 2015	
1. Joint work under the Technology Mechanism							
1.1. Prepare joint annual report of the Technology Executive Committee (TEC) and the Climate Technology Centre and Network (CTCN) to the Conference of Parties (COP)	Joint annual report of the TEC and CTCN	Further strengthening the collaborative work between the two bodies		X		X	Promote and facilitate collaboration (decision 1/CP.16, para. 121(d)) Seek cooperation with technology stakeholders and promote coherence across technology activities (decision 1/CP.16, para. 121(f)) Coherence and synergy within the Technology Mechanism (decision 1/CP.16, para. 127, and decision 25/CP.19, paras. 5 and 6)
2. Work on technology need assessments							
2.1. Review of technology needs assessments (TNAs), technology action plans (TAPs) and project ideas, and progress in the implementation of the results of TNAs	a. Paper on good practices of TNAs, TAPs and project ideas b. Recommendations to the COP	• Strengthening of the TNA process • Identifying actions to accelerate the implementation of the results of the TNAs • Parties effectively identifying their technological needs and developing TAPs and project ideas that are ready to be implemented		X			Provide an overview of technology needs and an analysis of issues (decision 1/CP.16, para. 121(a)) Recommend actions to promote the development and transfer of technology (decision 1/CP.16, para. 121(b)) Promote and facilitate collaboration (decision 1/CP.16, para. 121(d)) Catalyse the development and use of technology road maps or action plans (decision 1/CP.16, para. 121(g))
2.2. Further work on possible ways to establish linkages between TNAs and nationally appropriate mitigation actions, national adaptation plans and national communications, and involve national designated entities in the process	a. Guidelines to assist Parties in implementing the results of TNAs b. Recommendations to the COP	Policymakers are assisted in considering possible ways to: i) integrate the TNA process with other processes under the Convention, thus avoiding duplication of efforts in the planning process and providing continuity from evaluation to implementation; ii) enhance implementation of TNA results		X			

Activities	Deliverables	Expected outcomes	Indicative timeline				Technology Executive Committee function / Conference of the Parties mandate
			Jan.–June 2014	July–Dec. 2014	Jan.–June 2015	July–Dec. 2015	
3. Climate technology financing							
3.1. Prepare a value proposition paper summarizing the work of the TEC that is of relevance for the financial mechanism	Value proposition paper	Enhanced understanding of how the work of the TEC can be of relevance for the financial mechanism under the Convention		X			Provide an overview of technology needs and an analysis of issues (decision 1/CP.16, para. 121(a))

Recommend guidance on policies and programmes (decision 1/CP.16, para. 121(c))

Promote and facilitate collaboration (decision 1/CP.16, para. 121(d))

Recommend actions to address barriers (decision 1/CP.16, para. 121(e))

Seek cooperation with technology stakeholders and promote coherence across technology activities (decision 1/CP.16, para. 121(f))

Further elaboration of the linkages between the Technology Mechanism and the financial mechanism of the Convention (decision 1/CP.18, para. 62) |
3.2. Organize a thematic dialogue on climate technology financing, in collaboration with the CTCN, to: • Identify how the TEC can assist the financial community based on experiences and lessons learned in financing climate technologies • Understand how to enhance the implementation of the results of the TNAs	Thematic dialogue	Actions and policies that: • Enhance financing support for the implementation of the results of TNAs • Promote enablers and address barriers identified in the third synthesis report on TNAs (document FCCC/SBSTA/2013/INF.7)		X			
3.3. Prepare TEC Brief(s) on climate technology financing	a. TEC Brief(s) b. Key messages to the COP			X			
3.4. Consider assessing the technology and research, development and demonstration (RD&D) financing needs, including options for stimulating investment in RD&D and deploying low carbon technologies	*To be determined*	Better understanding of the existing financial sources for cooperative RD&D and gaps for enhancing cooperative RD&D			X		

Activities	Deliverables	Expected outcomes	Indicative timeline				Technology Executive Committee function / Conference of the Parties mandate
			Jan.–June 2014	July–Dec. 2014	Jan.–June 2015	July–Dec. 2015	
3.5. Undertake work on linkages between the Technology Mechanism and the financial mechanism of the Convention: • Consult with other relevant institutional arrangements under the Convention • Prepare recommendations on linkages between the Technology Mechanism and the financial mechanism of the Convention	Recommendations to COP 20 on linkages between the Technology Mechanism and the financial mechanism of the Convention	Response to decision 1/CP.18, para. 62		X			
4. Work on enabling environments and barriers							
4.1. Hold workshop on national systems of innovation 4.2. Prepare TEC Brief on national systems of innovation 4.3. Further work on enablers and barriers, taking into account the outcomes of the workshop on national systems of innovation	a. Workshop b. TEC Brief c. Key messages to the COP	Enhanced understanding among Parties and stakeholders on how national systems of innovation could play an important role in addressing barriers and serving as enabling environments to technology development and transfer Enhanced understanding on barriers and enablers		X	X	X	Recommend actions to promote the development and transfer of technology (decision 1/CP.16, para. 121(b)) Recommend guidance on policies and programmes (decision 1/CP.16, para. 121(c)) Recommend actions to address barriers (decision 1/CP.16, para. 121(e)) Initiation of the exploration of issues relating to enabling environments and barriers, including those issues referred to in document FCCC/SB/2012/2, paragraph 35 (decision 1/CP.18, para. 60)

Activities	Deliverables	Expected outcomes	Indicative timeline				Technology Executive Committee function / Conference of the Parties mandate
			Jan.–June 2014	July–Dec. 2014	Jan.–June 2015	July–Dec. 2015	
5. Work on technologies for adaptation and mitigation							
5.1. Undertake work on technologies for adaptation, in collaboration with the Adaptation Committee	a. Workshop on technologies for adaptation b. Identification of areas for possible further collaboration with the Adaptation Committee	Identification and recommendation to policymakers of key factors that contribute to the successful development and application of technologies for adaptation	X				Recommend actions to promote the development and transfer of technology (decision 1/CP.16, para. 121(b)) Recommend guidance on policies and programmes (decision 1/CP.16, para. 121(c)) Promote and facilitate collaboration (decision 1/CP.16, para. 121(d)) Seek cooperation with technology stakeholders and promote coherence across technology activities (decision 1/CP.16, para. 121(f))
5.2. Prepare TEC Brief(s) on technologies for adaptation	TEC Brief(s)			X			
5.3. Further work in collaboration with the Adaptation Committee, taking into account the outcomes of the workshop on technologies for adaptation					X		
5.4. Hold a thematic dialogue on enablers and barriers to South-South cooperation on technologies for adaptation	Thematic dialogue				X		
5.5. Further work on mitigation technologies, including preparation and organization of a thematic dialogue, and preparation of TEC Brief(s)[1]	a. Thematic dialogue b. TEC Brief(s) on mitigation technologies			X	X	X	

---

[1] Topics proposed by members during discussions at the 8th meeting of the TEC (TEC 8) will be included in the report of that meeting.

Activities	Deliverables	Expected outcomes	Indicative timeline				Technology Executive Committee function / Conference of the Parties mandate
			Jan.– June 2014	July– Dec. 2014	Jan.– June 2015	July– Dec. 2015	
6. Strategic and emerging issues							
6.1. Discuss strategic issues and possible activities that the TEC could undertake on matters relating to the roles of technology and the Technology Mechanism, in the medium- and long-term horizons, taking into account outcomes of the work of the Intergovernmental Panel on Climate Change, in collaboration with the CTCN, as required	Internal paper summarizing TEC discussions on this topic	The TEC to proactively contribute to the ongoing discussion in the context of the Durban Platform for Enhanced Action negotiations (2015–2020 period and on 2015 agreement), and stand ready and be responsive for any request for inputs from Parties on this matter		X	X	X	Decision 1/CP.16, para. 121(a)–(f)
6.2. Exchange views on emerging, future and cross-cutting issues relevant to technology development and transfer[2]	Internal paper(s) summarizing TEC discussions on this topic	Provide opportunities for the TEC to discuss any topics that in the medium and long term could become relevant to, or have impacts on, the development and transfer of technology	X	X	X	X	
6.3. Develop an outreach and communication strategy	TEC communication and outreach strategy	Focused and strategic targets for products and activities of the TEC		X	X		
6.4. Enhance the functioning of TT: CLEAR		Enhanced knowledge-sharing among Parties and stakeholders	X	X	X	X	

---

[2] Topics proposed by members during discussions at TEC 8 will be included in the report of that meeting.

Annex III − Composition of ongoing task forces of the Technology Executive Committee

1. **Technology needs assessments:**
   - Established at TEC 5;
   - Current members: Mr. Nagmeldin Goutbi Elhassan, Mr. Griffin Thompson, Mr. Karma Tshering and *another member may join*.

2. **Adaptation:**
   - Established at TEC 6;
   - Current members: Mr. Omedi Moses Jura, Mr. Eduardo Noboa, Mr. Kunihiko Shimada and Ms. Viktoriia Shtets;
   - Following observers invited to join: BINGO, ENGO, IGO and RINGO.

3. **Enablers and barriers:**
   - Established at TEC 7;
   - Current members: Mr. Kanat Baigarin, Mr. Krzysztof Klincewicz, Mr. Antonio Pflüger and Mr. Wang Can.

4. **Linkages between the Technology Mechanism and the financial mechanism:**
   - Established at TEC 8, and replaces the linkage task force;
   - Current members: Mr. Gabriel Blanco, Mr. Daniel Buira Clark, Ms. Elfriede A. More and Mr. Kunihiko Shimada.

5. **Mitigation:**
   - Established at TEC 8;
   - Current members: Mr. Albert Binger, Mr. Matthew Kennedy, Mr. Seyed Mohammad Sadeghzadeh, Mr. Wang Can and *two other members may join*;
   - Following observers invited to join: BINGO, ENGO, IGO and RINGO.

6. **Emerging and cross-cutting issues:**
   - Established at TEC 8;
   - Current members: Mr. Kanat Baigarin, Mr. Daniel Buira Clark, Mr. Krzysztof Klincewicz, Mr. Stig Svenningsen, Mr. Griffin Thompson and Mr. Wang Can;
   - Following observers invited to join: BINGO, ENGO, IGO and RINGO.