

## Ninth meeting of the Technology Executive Committee

Langer Eugen, Bonn, Germany  
18–21 August 2014

### Report

#### 1. Opening of the meeting

1. The Chair of the Technology Executive Committee (TEC), Mr. Gabriel Blanco, opened the 9<sup>th</sup> meeting of the TEC (TEC 9) at 13.45 p.m. on Monday, 18 August 2014.
2. The table below lists the TEC members who attended TEC 9. Observers present at the meeting are listed in annex I of this document.

TEC members attending TEC 9	
Mr. Kanat Baigarin	Mr. Antonio Pflüger
Mr. Gabriel Blanco (Chair)	Mr. Seyed Mohammad Sadeghzadeh
Mr. Daniel Buiria Clark	Mr. Kunihiko Shimada (Vice-Chair)
Mr. Nagmeldin Goutbi Elhassan	Ms. Viktoriia Shtets
Mr. Omedi Moses Jura	Mr. Stig Svenningsen
Mr. Matthew Kennedy	Mr. Griffin Thompson
Mr. Ibrahim Kiliçaslan	Mr. Karma Tshering
Mr. Krzysztof Klinecicz	Mr. Xiaohua Zhang
Ms. Elfriede A. More	Ms. Amel Zouaoui
Mr. Eduardo Noboa	

#### 2. Organizational matters

##### a) Adoption of the agenda for the 9<sup>th</sup> meeting

3. The TEC adopted the provisional agenda for TEC 9 as contained in document TEC/2014/9/1.

##### b) Organization of work

4. The TEC took note of the proposed organization of the work and anticipated outcomes of the meeting.

##### c) Membership matters

5. The TEC welcomed two new members, who were appointed inter-sessionally, Mr. Ibrahim Kiliçaslan (Turkey) and Mr. Xiaohua Zhang (China), and invited them to briefly introduce themselves.
6. The TEC agreed on an approach to formalize the implementation of paragraph 7 of the Rules of procedure of the TEC, which relates to the inter-sessional appointment by the TEC of new members who are nominated by their respective constituencies. The agreed approach, to become effective from the end of TEC 9, consists of the TEC Chair inviting TEC members to agree on the nominated person by email on a non-objection basis.



### 3. Outcomes of relevant meetings, events and reports

#### a) Meetings of bodies under and outside the Convention

##### i. Bonn climate change conference in June 2014

7. The TEC took note of the information presented by the secretariat on the main outcomes of the climate change conference held in Bonn, Germany, in June 2014, which were relevant to the TEC, including the events and meetings in which the TEC Chair or Vice-Chair participated.

##### ii. Executive Committee of the Warsaw International Mechanism for Loss and Damage associated with Climate Change Impacts

8. The TEC took note of the oral update provided by the two designated TEC members participating as members of the interim Executive Committee of the Warsaw International Mechanism for Loss and Damage associated with Climate Change Impacts. The members reported on the Executive Committee developing its two-year workplan and on its resumed initial meeting to take place on 17 and 18 September in Bonn, Germany.

##### iii. Others

9. TEC members, the secretariat and the Climate Technology Centre and Network (CTCN) reported on their participation in the following:

- a) United Nations General Assembly's First and Second Structured Dialogues on possible arrangements for a Technology Facilitation Mechanism to promote the development, transfer and dissemination of clean and environmentally sound technologies, held on 29 and 30 April 2014, New York, United States of America;
- b) Eighth regional conference of the African Roundtable on Sustainable Consumption and Production (ARSCP 8), held from 12 to 16 May 2014, Windhoek, Namibia;
- c) Second Forum of the Standing Committee on Finance, held on 21 and 22 June 2014, Montego Bay, Jamaica;
- d) Joint meeting of the Adaptation Committee and the Nairobi work programme on 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, held from 1 to 4 April 2014, Bonn, Germany.

10. Regarding the United Nations General Assembly's Structured Dialogues, the TEC noticed possible overlaps of activities and functions between the envisaged Technology Facilitation Mechanism and the Technology Mechanism of the UNFCCC. The TEC agreed on the need to keep up to date with the ongoing work, and ensure coordination between this initiative and the Technology Mechanism.

11. The TEC took note of other information provided.

#### b) Special presentation on the IPCC Working Group III contribution to the IPCC 5<sup>th</sup> Assessment Report "Climate change 2014: The Mitigation of Climate Change"

12. The TEC took note of the presentation on "Climate change 2014: Mitigation of Climate Change" delivered by Professor Ottmar Edenhofer, Co-chair of the Working Group III of the Intergovernmental Panel on Climate Change.

### 4. Matters relating to the Climate Technology Centre and Network

13. The TEC took note of the updates provided by the Chair of the Advisory Board of the CTCN, Mr. Fred Onduri, and the Director of the CTCN, Mr. Jukka Uosukainen, on the operations and progress of work of the CTCN, the main outcomes of the 3<sup>rd</sup> meeting of the Advisory Board and the preparation of the 4<sup>th</sup> meeting, scheduled to take place from 8 to 10 October 2014 in Copenhagen, Denmark.

## 5. Work of the Technology Executive Committee

### a) Technology needs assessments

#### i. Good practices of the technology needs assessments

14. The TEC considered a draft paper on “Good practices of technology needs assessments” prepared and presented by the task force on technology needs assessments (TNAs).
15. The TEC provided guidance to further improve the paper, and requested the task force to continue to work on the paper and involve practitioners such as TNA coordinators and relevant organizations.
16. The TEC welcomed TEC member Mr. Krzysztof Klincewicz who joined the task force on TNAs. The updated composition of all TEC task forces is presented in annex II of this document.

#### ii. Possible linkages between the technology needs assessments and other processes

17. The TEC considered a draft paper on “Linkages between technology needs assessments and nationally appropriate mitigation actions, national adaptation plans, and national communications, involving national designated entities”, as prepared and presented by the task force on TNAs.
18. The TEC provided guidance to further improve the paper, and noted that the task force would seek a mandate from the TEC at a future meeting, to further work on the paper with a view to capturing and incorporating further developments of the national adaptation plans (NAPs) and nationally appropriate mitigation actions (NAMAs) processes.

#### iii. Possible elements to report to COP 20

19. The TEC considered draft key messages on TNAs prepared by the task force on TNAs during TEC 9 and to be submitted to the Conference of the Parties at its twentieth session (COP 20). The TEC provided guidance to further enhance them.
20. The TEC agreed to finalize its key messages on TNAs in accordance with the process outlined in paragraph 51 below.

### b) Climate technology financing

#### i. Thematic dialogue on climate technology financing

21. The in-session thematic dialogue on climate technology financing took place on Tuesday afternoon 19 August 2014. It focused on issues surrounding challenges and opportunities, good practises and lessons learned from financing climate technologies, and opportunities for enhancing the implementation of TNAs.
22. The outcomes of the thematic dialogue were taken into account by the TEC in drafting its key messages on climate technology financing, and in drafting recommendations on linkages between the Technology Mechanism and the Financial Mechanism.

#### ii. Draft value proposition paper

23. The TEC considered a draft “Value proposition paper on the work of the Technology Executive Committee that is of relevance for the Financial Mechanism of the Convention”, prepared and presented by the task force on linkages between the Technology Mechanism and the Financial Mechanism (task force on linkages). The TEC considered the paper a living document that could be revised inter-sessionally taken into account the discussions on this matter at TEC 9.
24. The TEC took the paper into account while drafting its recommendations on linkages between the Technology Mechanism and the Financial Mechanism.

#### iii. Possible topics for TEC Brief(s)

25. Based on an oral report of the outcomes of the thematic dialogue on climate technology financing and the value proposition paper, the TEC considered possible topics for TEC Brief(s) on climate technology financing. The TEC requested the task force on linkages to identify possible topics for TEC Brief(s) for consideration by the TEC at its 10<sup>th</sup> meeting (TEC 10), taking into account the outcomes of the thematic dialogue, the value proposition paper and the discussions on this matter at TEC 9.

- iv. Linkages between the Technology Mechanism and the Financial Mechanism: recommendations to COP 20
26. The TEC considered a background paper containing elements for draft recommendations to COP 20 on linkages between the Technology Mechanism and the Financial Mechanism, as prepared and presented by the task force on linkages. The TEC also considered draft recommendations on linkages prepared by the task force during TEC 9, and provided guidance to enhance them further.
27. The TEC mandated the TEC Chair and Vice-Chair to finalize the recommendations on linkages via electronic means, taking into account comments provided by TEC members on subsequent versions of drafts circulated to them. The TEC agreed that the TEC Chair and Vice-Chair would inform TEC members after TEC 9 of the steps and timeline of this process.
- v. Possible elements to report to COP 20
28. The TEC considered other draft key messages to COP 20 on climate technology financing, as prepared by the task force on linkages during TEC 9, and provided guidance to the task force to further enhance them.
29. The TEC agreed to finalize its key messages on climate technology financing in accordance with the process outlined in paragraph 51 below.
- c) Enabling environments and barriers
- i. Preparation of the workshop on national systems of innovation
30. The TEC considered a draft agenda for the workshop on national systems of innovation, as prepared by the task force on enablers and barriers.
31. The TEC endorsed the draft agenda and requested the task force to finalize its work regarding the organization of the workshop.<sup>1</sup>
32. The TEC welcomed TEC members Mr. Nagmeldin Goutbi Elhassan and Mr. Seyed Mohammad Sadeghzadeh who joined the task force on enablers and barriers.
- ii. Possible elements to report to COP 20
33. The TEC agreed to include in its annual report to COP 20 only procedural provisions relating to the holding of the workshop on national systems of innovation, without including in this report any key messages directly related to enabling environments for and barriers to technology development and transfer.
- d) Technologies for adaptation
- i. Draft TEC Briefs
34. The TEC considered two draft TEC Briefs on technologies for adaptation, one on Agriculture and one on Water, which were prepared by the task force on adaptation. The TEC welcomed the inputs provided by the Adaptation Committee on these draft TEC Briefs, and offered specific comments on how to further improve the documents.
35. The TEC requested the task force to continue working inter-sessionally, in consultation with the Adaptation Committee, to finalise the draft TEC Briefs, taking into account comments provided by TEC members during TEC 9, and submit them electronically for approval by the TEC.
- ii. Possible areas for further collaboration work with the Adaptation Committee
36. The TEC considered possible areas for collaboration with the Adaptation Committee proposed by the task force on adaptation. The TEC requested the task force to continue to work on this proposal in consultation with the Adaptation Committee, and to report back to the TEC at TEC 10.
37. The TEC also noted that the membership of the task force on adaptation would benefit from the participation of the Adaptation Committee. In this regard, the TEC agreed to invite the Adaptation Committee to nominate one of its members to sit in this task force.

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<sup>1</sup> The workshop on national systems of innovation will be held on 13 and 14 October 2014 in Bonn, Germany. Further information on the workshop may be found here: <[http://unfccc.int/ttclear/templates/render cms\\_page?s=events\\_ws\\_nsi](http://unfccc.int/ttclear/templates/render cms_page?s=events_ws_nsi)>.

iii. Possible elements to report to COP 20

38. The TEC considered draft key messages on technologies for adaptation to COP 20, prepared by the task force on adaptation during TEC 9, and provided guidance to further enhance them.
39. The TEC agreed to finalize its key messages on technologies for adaptation in accordance with the process outlined in paragraph 51 below.

e) Technologies for mitigation

40. The TEC considered the background paper prepared and presented by the task force on mitigation, and a further oral update on proposals by the task force on how to move forward.
41. The TEC requested the task force to identify final area(s) of work on energy technologies, including the related technical and/or policy challenges to be tackled by the TEC, taking into account the outcomes of TNAs and focusing on the core mandate of the TEC to enhance action on technology development and transfer. The TEC also requested the task force to submit this electronically to the TEC for approval.
42. The TEC agreed that such ways forward would be included in its annual report to COP 20, which would also include an invitation to Parties to deepen the consideration of renewable energy deployment and energy efficiency improvement through the technical expert meeting (TEM) process in 2015, including with the support of the TEC.

f) Strategic and emerging issues

43. The TEC requested the task force on emerging and cross-cutting issues to consider how to respond to the invitation of the Subsidiary Body for Implementation (SBI) made to the TEC at its fortieth session (SBI 40) to evaluate the Poznan strategic programme on technology transfer (PSP) with the aim of enhancing the effectiveness of the Technology Mechanism.
44. The TEC welcomed TEC members Mr. Matthew Kennedy and Mr. Seyed Mohammad Sadeghzadeh who joined the task force on emerging and cross-cutting issues. The TEC also welcomed the participation in this task force of a representative of the CTCN as a resource person on an ad-hoc basis relating to the evaluation of the PSP.

## **6. New tasks from the June 2014 session**

a) Evaluation of the Poznan Strategic Programme on Technology Transfer

45. Based on an approach proposed by the task force on emerging and cross-cutting issues, the TEC agreed on the elements, process and timeline for finalising the evaluation of the PSP, and agreed to report to COP 20 through SBI 41 on this matter. It was agreed that there is a need for more information on the PSP and that the TEC would consult with the Global Environment Facility (GEF).
46. In terms of process and timeline for conducting the evaluation of the PSP, the TEC agreed to:
  - a) Send a letter to the GEF, on behalf of the TEC Chair and Vice-Chair, informing them about the invitation of SBI 40 to evaluate the PSP and requesting the GEF to provide additional information about the PSP;
  - b) Organize a meeting between the task force on emerging and cross-cutting issues and the GEF in the margins of COP 20;
  - c) Provide an interim report to COP 20 through SBI 41 highlighting the progress of work done between June and November 2014 as well as other information relevant for the evaluation, which aims at enhancing the effectiveness of the Technology Mechanism;
  - d) Provide a final report of the work of the TEC, through its task force, to the SBI and the COP in 2015.

b) Strengthening linkages with organisations under and outside the Convention

47. The TEC considered the invitation made to the TEC by the Subsidiary Body for Scientific and Technological Advice (SBSTA) and the SBI at their fortieth sessions to further strengthen the linkages with organizations inside and outside the Convention, as referred to in document FCCC/SB/2012/1, annex II, paragraph 3, which undertake work relating to enabling environments for and barriers to the development and transfer of technology, including those issues referred to in document FCCC/SB/2012/2, paragraph 35.
48. The TEC took note of the invitation and agreed to continue working to strengthen the linkages with the organizations referred to in paragraph 47 above.
49. The TEC noted that the workshop on national systems of innovation would assist the TEC in undertaking future work on this issue.

**7. Joint annual report of the Technology Executive Committee and the Climate Technology Centre and Network**

a) Key messages and recommendations of the Technology Executive Committee to COP 20

50. The TEC considered draft key messages to COP 20 on TNAs, climate technology financing and technologies for adaptation, as prepared by various task forces during TEC 9. The TEC provided guidance to improve them further.
51. The TEC mandated the TEC Chair and Vice-Chair to finalize the key messages via electronic means, taking into account comments provided by TEC members on subsequent versions of drafts circulated to them. The TEC agreed that the TEC Chair and Vice-Chair would inform TEC members after TEC 9 of the steps and timeline of this process.

b) Report on activities and performance of the Technology Executive Committee for 2014

52. The TEC considered a proposed structure and list of main elements for its annual report to COP 20, and provided guidance for its preparation, which included:
- a) Not having a specific section on task forces, but instead briefly mentioning them earlier in the report, and the participation of observers;
  - b) Adding the consideration of the evaluation of the Poznan strategic programme on technology transfer;
  - c) Avoiding duplication in presenting key messages and recommendations, and present them at the end of the report.
53. The TEC mandated the TEC Chair and Vice-Chair to finalize the TEC annual report, with the support of the secretariat, following the conclusion of TEC 9.

c) Joint section of the Technology Executive Committee and the Climate Technology Centre and Network

54. The TEC considered possible elements for the joint chapter TEC-CTCN of the joint annual report to COP 20. In that chapter, the TEC suggested to address the achievement of the mandate of the Technology Mechanism and to note that the TEC would continue to enhance its effectiveness.
55. The TEC agreed that such guidance would serve as a basis for the TEC Chair and Vice-Chair in preparing and finalizing the joint chapter with the Chair and Vice-Chair of the Advisory Board of the CTCN, as per the agreed procedures.

**8. Outreach and communication strategy of the Technology Executive Committee**

56. Due to time constraints, the TEC did not consider this matter.

## 9. Date and venue of the next meeting

57. The TEC agreed to hold its next meeting (TEC 10) in the week of 9 to 13 March 2015 in Bonn, Germany, with the exact days to be determined at a later stage.

## 10. Other matters

a) Modalities for the work of task forces

58. Due to time constraints, the TEC did not consider this matter.

b) Others

59. The TEC agreed that the TEC member Mr. Xiaohua Zhang would replace Mr. Can Wang as an observer at the meetings of the interim Executive Committee of the Warsaw International Mechanism for Loss and Damage associated with Climate Change Impacts. It also agreed that the TEC Chair and Vice-Chair would send a letter in this regard to the UNFCCC secretariat.

## 11. Closure of the meeting

60. The Chair of the TEC officially closed the 9<sup>th</sup> meeting of the TEC at 18:50 p.m. on Thursday 21 August 2014.

**Annexes of the report**

Annex I List of observers attending the 9<sup>th</sup> meeting of the Technology Executive Committee

Annex II Composition of ongoing task forces of the Technology Executive Committee as of  
21 August 2014



## **Annex I of the meeting report of TEC 9**

### **List of observers attending the 9<sup>th</sup> meeting of the Technology Executive Committee**

#### **Party observers**

Ms. Sarah Baashan (Saudi Arabia)  
Mr. Ji Chen (China, Peoples Republic of)  
Ms. Marion Geiss (Germany)  
Mr. Peter Mari Govindasamy (Singapore)  
Mr. Tae Kun Kim (South Korea)  
Ms. Betül Konakli (Turkey)  
Mr. Dumisani Mthembu (South Africa)  
Mr. Dietram Oppelt (Germany)  
Mr. Carlos Rossi (Peru)  
Mr. Ben Ho Shuxian (Singapore)

#### **United Nations organizations**

Mr. Zitouni Ould-Dada (United Nations Environment Programme)  
Mr. Victor Owade (World Intellectual Property Organization)  
Mr. Jason Spensley (Climate Technology Centre and Network)  
Mr. Jukka Uosukainen (Climate Technology Centre and Network)

#### **Intergovernmental organizations**

Mr. Francisco Boshell (International Renewable Energy Agency)  
Mr. David De Jager (International Energy Agency)  
Mr. Jean-Francois Gagné (International Energy Agency)  
Mr. Ruud Kempener (International Renewable Energy Agency)  
Mr. Luis Munuera (International Energy Agency)  
Mr. Deger Saygin (International Renewable Energy Agency)  
Ms. Alessia Volpe (European Patent Office)  
Ms. Jayashree Watal (World Trade Organization)

#### **Non-governmental organizations**

Mr. Ahmed Abdel-Latif (International Centre for Trade and Sustainable Development)  
Ms. Simone Bares (Alstom)  
Ms. Barbara Black (World Business Council for Sustainable Development)  
Ms. Rachel Kelly Blackburn (Cambridge University)  
Ms. Hilary Chiew (Third World Network)  
Ms. Heleen De Coninck (Radboud University Nijmegen)  
Ms. Agnes Valerie Dudek (DNV GL AS)  
Ms. Christine Faure-Fedigan (GDF SUEZ)  
Mr. Arthur Lee (Chevron)  
Ms. Janice Meier (Sierra Club)  
Ms. Tanya Morrison (Shell International Petroleum Co. Ltd.)  
Mr. Takahiro Murayama (Global Environment Centre Foundation)  
Ms. Tara Jessica Nitz (Verband der Chemischen Industrie)  
Mr. John Scowcroft (Global Carbon Capture and Storage Institute)  
Ms. Allison Weiner Mages (General Electric)

## Annex II of the meeting report of TEC 9

### Composition of ongoing task forces of the Technology Executive Committee as of 21 August 2014

#### 1. Technology needs assessments:

- TEC members: Mr. Gabriel Blanco, Mr. Nagmeldin Goutbi Elhassan, Mr. Krzysztof Klincewicz, Mr. Griffin Thompson and Mr. Karma Tshering

#### 2. Adaptation:

- TEC members: Mr. Omedi Moses Jura, Mr. Eduardo Noboa, Mr. Kunihiko Shimada and Ms. Viktoriia Shtets
- Representatives of observer organizations:
  - BINGO: Ms. Koko Wartner (Munich Climate Insurance Initiative – MCII)
  - ENGO: Mr. Harjeet Singh (Action Aid)
  - RINGO: Ms. Doreen Stabinsky (College of the Atlantic)
  - IGO: South Centre: Mr. Youba Sokona

#### 3. Enablers and barriers:

- TEC members: Mr. Kanat Baigarin, Mr. Nagmeldin Goutbi Elhassan, Mr. Krzysztof Klincewicz, Mr. Antonio Pflüger, Mr. Seyed Mohammad Sadeghzadeh, Mr. Griffin Thompson and Mr. Xiaohua Zhang

#### 4. Linkages between the Technology Mechanism and the Financial Mechanism:

- TEC members: Mr. Gabriel Blanco, Mr. Daniel Buira Clark, Ms. Elfriede A. More and Mr. Kunihiko Shimada

#### 5. Mitigation:

- TEC members: Mr. Albert Binger, Mr. Matthew Kennedy, Mr. Eduardo Noboa, Mr. Antonio Pflüger, Mr. Seyed Mohammad Sadeghzadeh, Mr. Griffin Thompson and Ms. Amel Zouaoui
- Representatives of observer organizations:
  - BINGO: Mr. Arthur Lee (Chevron)
  - ENGO: Ms. Janice Meier (Sierra Club)
  - RINGO: Ms. Heleen de Coninck (Radboud University)
  - IGOs: International Renewable Energy Agency (IRENA): Mr. Ruud Kempener  
International Partnership for Energy Efficiency Cooperation (IPEEC): Mr. Benoit Lebot

#### 6. Emerging and cross-cutting issues:

- TEC members: Mr. Kanat Baigarin, Mr. Daniel Buira Clark, Mr. Matthew Kennedy, Mr. Krzysztof Klincewicz, Mr. Seyed Mohammad Sadeghzadeh, Mr. Stig Svenningsen and Mr. Griffin Thompson
- Representatives of observer organizations:
  - BINGO: Mr. John Scowcroft (Global CCS Institute)
  - ENGO: Ms. Neth Daño (ETC Group)
  - RINGO: Mr. Ahmed Abdel Latif (International Centre for Trade and Sustainable Development – ICTSD)
  - IGO: *tbd*