



Concept note and draft agenda

Version dated 18.04.2018

Technical Expert Meetings on Mitigation (TEMs-M) 2018

1. Background and mandate

Parties at the nineteenth session of the Conference of the Parties (COP) initiated the technical examination process on mitigation (TEP-M) with the aim of exploring high-potential mitigation policies, practices and technologies with significant sustainable development co-benefits that could increase the mitigation ambition of pre-2020 climate action.¹ This process was further redefined at COP 20.²

The TEP-M consists of:

- Organizing regular in-session thematic technical expert meetings on mitigation (TEMs-M)
- Updating, on annual basis, a technical paper on the mitigation benefits and co-benefits of policies, practices and actions representing best practice and with the potential to be scalable and replicable;
- Preparing, in consultation with the high-level champions, a summary for policymakers, with information on specific policy options and ways to support their implementation;
- Following up the work on the identified policy options and opportunities.

Parties at COP 21 resolved to further strengthen this process by 2020 through enhanced engagement of Parties, non-Party stakeholders, constituted bodies under the Convention and expert organizations to follow up and implement the scalable and replicable best practices, policies and technologies explored during the process.³

Parties at COP 23 concluded the assessment of the technical examination processes (TEPs), suggesting key ways to improve their effectiveness:⁴

- Better integrate the TEPs with the Marrakech Partnership for Global Climate Action;
- Focus on specific policy options and opportunities that are actionable in the short term, including those with sustainable development co-benefits;
- Identify topics for the TEP-M until 2020 by the high-level champions in consultation with the Technical Executive Committee and Climate Change Technology Centre and Network;
- Engage expert organizations to organize the relevant technical expert meetings on mitigation (TEMs-M);
- Make the TEMs-M more interactive, provide an agenda and guiding questions well in advance and conclude the TEMs-M with a session on proposing ways forward and necessary actions;
- Engage Parties and non-Party stakeholders to organize regional technical expert meetings, building on existing regional climate action events;

¹ Decision 1/CP.19, paragraph 5(a). Available at <http://unfccc.int/resource/docs/2013/cop19/eng/10a01.pdf>.

² Decision 1/CP.20, paragraph 19. Available at <http://unfccc.int/resource/docs/2014/cop20/eng/10a01.pdf#page=2>.

³ Decision 1/CP.21, paragraphs 109–113. Available at <http://unfccc.int/resource/docs/2015/cop21/eng/10a01.pdf#page=2>.

⁴ Decision 13/CP.23. Available at <http://unfccc.int/resource/docs/2017/cop23/eng/11a02.pdf>.



- Inform the summary for policymakers, the high-level events and the Talanoa Dialogue.

Taking into account the suggestions made by Parties at COP 23:

- The high-level champions will identify the topics for TEP-M within the broader thematic areas of the Marrakech Partnership for Global Climate Action. Parties and non-Party stakeholders (in particular, the Marrakech Partnership Collaboration Forum) will be engaged to design and implement the TEMs-M;
- The TEMs-M will be designed and implemented in such a way that the outcomes constructively feed back into the work programme of the Marrakech Partnership for Global Climate Action, the summary for policymakers, the high-level events by the high-level champions and stocktake on pre-2020 implementation;
- The TEMs-M events will be structured/designed around the three key guiding questions adopted by the Talanoa Dialogue (Where are we? Where do we want to go? How do we get there?). The outcomes of the TEMs-M will provide quality input to the dialogue.

2. Topics for the TEP-M

As requested by COP 23, the high-level champions identified the following topics for the TEP-M for the period until 2020:⁵

- 2018: Industry – implementation of circular economies and industrial waste reuse and prevention solutions;
- 2019: Energy – off-grid and decentralized energy solutions for smart energy and water use in the agri-food chain;
- 2020: Human settlements – sustainable low-emission housing and building solutions.

The TEMs-M 2018 will examine waste-to-energy technologies, including policy options and contractual arrangements between national, subnational and local governments and technology providers, supply chain redesign and a just transition of the workforce to these innovative sectors.

3. Objectives

The specific objectives of the TEMs-M 2018 are to:

- Identify and explore the policy options, technological innovations and best practices on waste-to-energy (e.g. contractual arrangements) and circular economy, focusing on elements of supply chain redesign that are actionable in the short term to deliver emission reductions and generate sustainable development benefits, including a just transition of the workforce to these innovative sectors;
- Explore ways forward and necessary actions to be taken by Parties, non-Party stakeholders and organizations in relation to the replication and upscaling of identified policy options,

⁵ See

http://unfccc.int/files/parties_and_observers/notifications/application/pdf/notification_tep_mitigation_topics_2018_20.pdf.



technological innovations and best practices on waste-to-energy and circular economy, including elements of supply chain redesign.

4. Expected outcomes

- Policy options, technological innovations and best practices on waste-to-energy and circular economy, focusing on elements of supply chain redesign that are actionable in the short term for both Parties and non-Party stakeholders are identified;
- Understanding of the ways forward and necessary actions to be taken by Parties, non-Party stakeholders and organizations for the successful implementation, replication and upscaling of identified policy options, technological innovations and best practices on waste-to-energy and circular economy, focusing on elements of supply chain redesign is enhanced.

5. Approach

In order to encourage wide participation of relevant actors, and to engage them in targeted discussions, the approach to the TEMs-M 2018 will be as follows:

- Organize the TEMs-M as a short series of three thematic sessions (two hours each) spread across two days of the sessions of the subsidiary bodies. It is also proposed to use the round-table format where appropriate to enhance interaction;
- Make relevant information available on the UNFCCC website well in advance so that the participants can come prepared to the TEMs-M;
- Implement ICT-based solutions (WebEx, Facebook, Twitter and YouTube) for virtual participation;
- Invite wide participation of experts who are not Party delegates and could dedicate their expertise entirely to the TEMs-M;
- Align the TEMs-M discussions to the three questions of the Talanoa Dialogue and prepare the technical paper of the TEMs-M as well as the summary for policymakers in a manner that can feed into the Talanoa Dialogue.

6. Potential audience

National-, state- and city-level authorities, the private sector, support agencies, think tanks and civil society organizations as well as experts who are active in the identified topic of the TEMs-M.

7. Lead expert organizations

By decision 13/CP.23, paragraph 7,⁶ the COP invited expert organizations to volunteer, through the secretariat, to lead the organization of the TEMs-M. The following expert organizations expressed their interest and have been selected to support the secretariat in designing and executing the TEMs-M:

- United Nations Industrial Development Organization
- World Business Council for Sustainable Development

⁶ See footnote 4 above.



The lead expert organization and the secretariat will engage other expert organizations, who expressed their interest to contribute for the meetings.

8. Provisional agenda for TEMs-M 2018

<p>Date: 1 May 2018</p> <p>Time: 13.00–15.00</p> <p>Led and coordinated by: United Nations Industrial Development Organization and the secretariat</p>	<p>Session I: Policy options, technological innovations and best practices on waste-to-energy</p> <p>At the beginning of this session, the Chairs of the subsidiary bodies will officially open the TEMs-M.</p> <p>With the help of a few high-impact selected cases that will have been published on the web, this session and each case study will delve into discussing:</p> <ul style="list-style-type: none"> • What different policy options, technological innovations and best practices on waste-to-energy are available for different markets and regions to result in emission reductions and sustainable development co-benefits? • What can Parties and non-Party stakeholders supporting the Parties learn from these policy options, technological innovations and best practices, including the enablers and challenges/barriers, for the successful implementation of waste-to-energy technologies to result in emission reductions and sustainable development co-benefits? • How to deal with the contractual arrangements between the national, subnational and local governments and the technology providers? • How do waste-to-energy policy options and technology solutions contribute to a just transition of the workforce and the creation of decent work and quality jobs? <p>This session will help to respond to the key questions of the Talanoa Dialogue: <i>“Where are we?”</i> and <i>“Where do we want to be?”</i> with a focus on innovations and best practices on waste-to-energy for reducing emissions and achieving the Sustainable Development Goals.</p> <p>Speakers :</p> <ul style="list-style-type: none"> - The South African Experience of waste-to-energy projects <i>Ms. Jenitha Badul, Senior Policy Advisor, Greening Programmes and Fund, Department of Environmental Affairs, South Africa</i> - Pyrolysis technologies for agricultural waste <i>Mr. Le Viet Vinh, Vice Director Technology & Project, Viet Hien Coffee Processing Machinery, Vietnam</i> - The Uruguayan experience of transforming waste originating from agro-industry and small communities
---	---



	<p><i>Ms. María José Gonzalez, National Project Coordinator, Biovalor Project, Uruguay</i></p> <ul style="list-style-type: none"> - The regional waste management (waste-to-energy) initiatives in the Pacific <i>Mr. Espen Ronneberg, Climate Change Adviser, Secretariat of Regional Environment Programmes in the Pacific (SPREP)</i> - The generation of hydrogen fuel from biomass waste <i>Mr. Heinz J. Sturm, Founder and CEO, ICEPS CTC Bonn</i> - Sharing experience on barriers/pitfalls and potential solutions to implement successful waste-to-energy technologies <i>Mr. Uttam Kumar Saha, Energy Lead, Practical Action Bangladesh Office</i> <p>Format: Short presentations and moderated panel discussion followed by discussion among all participants</p>
<p>Date: 2 May 2018</p> <p>Time:12.00–14.00</p> <p>Led and coordinated by: World Business Council for Sustainable Development and the secretariat</p>	<p>Session II: Policy options, technological innovations and best practices on circular economy, including elements of supply chain redesign</p> <p>With the help of a few high-impact selected cases that will have been published on the web, this session and each case study will delve into discussing:</p> <ul style="list-style-type: none"> • What different policy options, technological innovations and best practices on circular economy, including elements of supply chain redesign, are available for different markets and regions to result in emission reductions and sustainable development co-benefits? • What can Parties and non-Party stakeholders supporting the Parties learn from these policy options, technological innovations and best practices (such as the enablers and challenges/barriers) for the successful implementation of circular economy, including elements of supply chain redesign, that results in emission reduction and sustainable development co-benefits? • How does circular economy, including elements of supply chain redesign, contribute to a just transition of the workforce and the creation of decent work and quality jobs? <p>This session will help to respond to the key questions of the Talanoa Dialogue: “<i>Where are we?</i>” and “<i>Where we want to be?</i>” with a focus on innovations and best practices on circular economy, including elements of supply chain redesign, for reducing emissions and achieving the Sustainable Development Goals.</p>



	<p>Speakers:</p> <ul style="list-style-type: none"> - Redefining supply value chains to meet climate goals <i>Ms. Araceli Fernandez Pales, International Energy Agency</i> - Circular economy: value creation opportunity in supply chains <i>Ms. Preeti Srivastav, Director Corporate Climate Action, Ecofys</i> - Leading the transition: the Portuguese Action Plan on circular economy <i>Ms. Ines dos Santos Costa, Ministry of Environment Portugal</i> - The business/industry experience <i>tbc</i> - The business/industry experience <i>tbc</i> - The civil society/NGO perspective <i>tbc</i> <p>Format: Short presentations and moderated panel discussion followed by discussion among all participants</p>
<p>Date: 2 May 2018</p> <p>Time: 17.00–19.00</p> <p>Led and coordinated by: United Nations Industrial Development Organization, World Business Council for Sustainable Development and the secretariat</p>	<p>Session III: Replicating and upscaling innovations and best practices on waste-to-energy and circular economy, including elements of supply chain redesign</p> <p>The session will:</p> <ul style="list-style-type: none"> • Report back from the previous sessions covering key discussion points and messages; • Consider the questions: What support from non-Party stakeholders is readily available? Are there any synergies with the existing infrastructure? • Discuss ways forward and necessary actions to be taken by Parties, non-Party stakeholders and organizations to replicate and upscale identified policy options, technological innovations and best practices on waste-to-energy and circular economy, including elements of supply chain redesign; • Provide Parties, non-Party stakeholders and organizations to share experiences of actions already taken and to make further pledges in relation to the replication and upscaling of identified policy options, technological innovations and best practices; • Officially conclude the TEMs-M. <p>This session will help to respond to the key question of the Talanoa Dialogue: <i>“How do we get there?”</i> with a focus on the ways and follow-up actions to enhance the visibility, scalability and replicability of innovations and best practices on waste-to-energy and circular economy, including supply chain redesign.</p>



Speakers:

- Summary of session 1 and UNIDO's perspective
Mr. Alois Mhlanga, UNIDO
- Summary of session 2 and business perspective
Tbc, WBCSD
- Civil society/NGO perspective
Ms. Sira Saccani, Climate-KIC
- The private sector/investment perspective
Mr. Aleksandr Sidorec, Chartered Institute of Procurement and Supply
- Multilateral donor perspective
Mr. Akio Takemoto, Senior Environmental Specialist, the GEF
- UNFCCC constituted body perspective
Mr. Federico Villatico, Climate Technology Manager, the Climate Technology Centre and Network tbc, the Technology Executive Committee
- Closing remarks
tbc, the high-level champions

Format: Moderated panel discussion followed by discussion among all participants

For further information please contact at: TEP_Mitigation@unfccc.int