



PROGRAMME AGENDA

(Draft as of 13 June 2019)

Technical Expert Meetings on Mitigation (TEMs-M) 2019:

Off-grid and decentralized energy solutions for smart energy and water use in the agri-food chain

20-21 June 2019

World Conference Centre Bonn, Germany

Organized by

Food and Agriculture Organization of the United Nations (FAO), Gesellschaft für Internationale Zusammenarbeit (GIZ), International Renewable Energy Agency (IRENA), Stockholm International Water Institute (SIWI), and UNFCCC secretariat

Draft Programme Agenda

Day 1 (20 June 2019)	
<p>Time: 11:00-11:30 Room: GENF, the World Conference Center Bonn</p>	<p>Opening remarks</p> <p><u>Moderator:</u></p> <ul style="list-style-type: none"> Ms. Marion Canute, Communication Specialist <p><u>Speakers:</u></p> <ul style="list-style-type: none"> Mr. Emmanuel Dumisani Dlamini, Chair of the Subsidiary Body for Implementation Mr. Gonzalo Munoz, The High-Level Climate Action Champion Mr. Bernd-Markus Liss, Head of Section-Climate Change and Climate Policy, GIZ Mr. Torgny Holmgren, Executive Director, Stockholm International Water Institute
<p>Time: 11:30-13:00 Room: GENF, the World Conference Center Bonn</p>	<p>Session 1: Decarbonizing the primary production phase of the agri-food chain</p> <p>This session, with the help of high-impact case studies/examples and input from a diverse range of experts, will analyse the opportunities presented by, but also factors limiting, technological solutions and innovative approaches. Participants are expected to discuss and share experiences on the necessary policy environment, best practices in fostering partnerships and need of capacity building and accessing financial resources for the replication and upscaling of solutions.</p> <p><u>Moderator:</u></p> <ul style="list-style-type: none"> Ms. Marion Canute, Communication Specialist <p><u>Speakers:</u></p> <ul style="list-style-type: none"> Ms. Jennie Barron, Professor, Agricultural Water Management at Swedish University of Agricultural Sciences (<i>In-person participation</i>) Ms. Melina Balderrama Duran, National Project Coordinator, Bolivia WATCH at HELVETAS (<i>In-person participation</i>) Mr. Pratap Thapa, Co-founder and Business Development Manager, aQysta (<i>In-person participation</i>) Mr. Daniel Paska, Technology for Good Program Director, Ericsson (<i>Remote-online participation</i>)

	<ul style="list-style-type: none"> • Mr. Henrik Johansson, Founder and CEO, Spowdi AB (<i>Remote-online participation</i>) • Mr. Gaurav Kumar, Co-founder and Director, Claroenergy Pvt Ltd (<i>In-person participation</i>) • Ms. Romina Cavatassi, Senior Economist, International Fund for Agricultural Development (<i>In-person Participation</i>)
<p>Time: 14:00-15:30 Room: GENF, the World Conference Center Bonn</p>	<p>Session 2: Decarbonizing the post harvesting phase of the agri-food chain</p> <p>During the session, with the help of high impact case studies/examples, currently available technological solutions and innovative approaches for business model assessments, climate-friendly agricultural processing solutions that bear great adaptation and scaling-up potential in the short term will be discussed. Participants are expected to contribute their knowledge about specific barriers for a conducive enabling environment and how they can be overcome. They are also invited to complement the speakers proposed fast gains until 2020.</p> <p><u>Moderator:</u></p> <ul style="list-style-type: none"> • Ms. Marion Canute, Communication Specialist <p><u>Speakers:</u></p> <ul style="list-style-type: none"> • Mr. Julian Krüger, University of Hohenheim, Institute of Agricultural Engineering, Germany (<i>In-person participation</i>) • Mr. Antoine Azar, HEAT Consultant (<i>In-person participation</i>) • Mr. Macben Makenzi, Certified Energy Manager and National GIZ Powering Agriculture Staff (<i>In-person participation</i>) • Ms. Jennifer Sharp, Ethical Tea Partnership (<i>In-person participation</i>) • Ms. Georgia Badelt, Founder and Director, GeoCode International (<i>In-person participation</i>) • Mr. Olivier Dubois, FAO (<i>In-person participation</i>) • Ms. Stefania Bracco, INVESTA team of FAO (<i>Remote-online participation</i>)
<p>Time: 15:30-17:00 Room: GENF, the World Conference Center Bonn</p>	<p>Session 3: Circular economy solutions/innovations in water and energy management for the agri-food chain</p> <p>This session will discuss ways of creating circular economies in the agri-food chain to reduce food waste, use energy, and water more sustainably. The concept of using agricultural waste products and biogas for energy production and process inputs will be explored, particularly where improvements in energy and water use can be</p>

	<p>made. This will also briefly touch up on required business models, conducive policy environment and SDG co-benefits.</p> <p><u>Moderator:</u></p> <ul style="list-style-type: none"> • Mr. Ben Sonneveld, Deputy Director, Amsterdam Centre for World Food Studies/Athena Institute VU University Amsterdam <p><u>Speakers:</u></p> <ul style="list-style-type: none"> • Mr. Belal Shaqareen, Ministry of Agriculture, Environment and Water, Jordan (<i>Remote-online participation</i>) • Mr. Miquel Salgot, Universidad de Barcelona (<i>In-person participation</i>) • Mr. Gabriel Okello, Green Heat (<i>Remote-online participation</i>) • Mr. Kalanithy Vairavamoorthy, IWA (<i>Remote-online participation</i>) • Ms. Sasha Koo-Oshima, FAO (<i>In-person participation</i>) • Mr. Oriol Bellot, Agriculture Projects Director, Suez (<i>In-person participation</i>)
Day 2 (21 June 2019)	
<p>Time: 11:00-12:30 Room: GENF, the World Conference Center Bonn</p>	<p>Session 4: Nature based solutions to integrate energy and water aspects into the agri-food chain</p> <p>This session will focus on various Nature based solutions (NBS) that integrate energy and water aspects into the agri-food chain development. It will provide a platform to discuss the requirements for successful implementation of NBS to integrate energy and water aspects into agri-food chain, institutional challenges, and the potential of scale-up opportunities. Nature-Based Solutions (NBS) for food security constitute a new paradigm that uses or mimics ecosystem services to enhance land and water quality for agricultural production, while preserving the integrity of ecosystems. The Water-Energy-Food (WEF) approach in the context of NBS can significantly improve energy access, water quality and availability for sustainable agriculture and food production in line with SDGs 1, 2, 6, 13 and 15. WEF/ NBS can also help attain adaptation and mitigation co-benefit objectives of Nationally Determined Contributions (NDC).</p> <p><u>Moderator:</u></p> <ul style="list-style-type: none"> • Ms. Sasha Koo-Oshima, FAO <p><u>Speakers:</u></p>

	<ul style="list-style-type: none"> • Mr. Ben Sonneveld, Deputy Director, Amsterdam Centre for World Food Studies/Athena Institute VU University Amsterdam (<i>In-person participation</i>) • Mr. Fergus Sinclair, World Agroforestry Center, ICRAF (<i>Remote-online participation</i>) • Mr. Francisco Pedrero Salcedo, Mediterranean Youth for Water Network (<i>Remote-online participation</i>) • Ina Saumel, Humboldt University (<i>In-person participation</i>) • Ms. Andrea Erickson, The Nature Conservancy (<i>Remote-online Participation</i>) • Ms. Beatriz Ebil, Universidad Nacional de Misiones Argentina (<i>Remote-online participation</i>)
<p>Time: 12:30-14:00 Room: GENF, the World Conference Center Bonn</p>	<p>Session 5: Making Water-Energy- Food integrated policies work for food security and the climate</p> <p>This session will discuss policy solutions for producing affordable, reliable, and environmentally sustainable energy for the agri-food and irrigation value chains and the benefits that these solutions can bring, particularly improved livelihoods, increased social welfare, and reduced spending on fossil fuel subsidies and centralized infrastructure. The session will also highlight barriers for conducive policy frameworks and how they can be overcome. The session will also discuss how these policies and enabling frameworks can harvest socio-economic benefits and thus lead to the realization of Nationally Determined Contributions (NDCs) and Sustainable Development Goals (SDGs).</p> <p><u>Moderator:</u></p> <ul style="list-style-type: none"> • Ms. Marion Canute, Communication Specialist <p><u>Speakers:</u></p> <ul style="list-style-type: none"> • Mr. Prince Essel, Co-Founder and CEO, Maisevill Group (<i>In-person participation</i>) • Ms. Petra Schmitter, Research Group Leader, International Water Management Institute (<i>In-person participation</i>) • Ms. Sasmita Patnaik, Programme Lead, Council on Energy, Environment and Water (<i>In-person participaton</i>) • Ms. Margaret Koli, Education Programme Assistant, UN-University (<i>In-person participation</i>) • Mr. Chris Henderson, Senior Policy and Practice Advisor in Agriculture, Practical Action (<i>In-person participation</i>) • Ms. Sarah Alexander, Senior Advisor, SELCO Foundation (<i>In-person participation</i>)

<p>Time: 16:00-17:30 Room: GENF, the World Conference Center Bonn</p>	<p>Session 6: Replicating and upscaling innovative solutions for securing clean energy and water access for the agri-food chain</p> <p>This session will report back from the previous sessions covering key discussion points and messages. Based on these reports, it will seek to explore 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 for securing clean energy and water access for the agri-food chain. Parties and non-Party stakeholders are to be provided with a space to share experiences of actions already taken, support already provided/received and to highlight their planned actions/support in relation to the replication and upscaling of identified policy options, technological innovations and best practices.</p> <p><u>Moderator:</u></p> <ul style="list-style-type: none"> • Ms. Marion Canute, Communication Specialist <p><u>Speakers:</u></p> <ul style="list-style-type: none"> • Mr. Torgny Holmgren, SIWI • Ms. Maria Weitz, GIZ • Mr. Olivier Dubois, FAO • Ms. Claire Kiss, IRENA • Ms. Dinara Gershinkova, the Chair of Technology Executive Committee • Mr. Federico Villatico Campbell, Regional Manager, Climate Change Technology Centre and Network
<p>Time: 17:30-18:00 Room: GENF, the World Conference Center Bonn</p>	<p>Closing remarks</p> <p><u>Moderator:</u></p> <ul style="list-style-type: none"> • Ms. Marion Canute, Communication Specialist <p><u>Speakers :</u></p> <ul style="list-style-type: none"> • Mr. Paul Watkinson, the Chair of Subsidiary Body for Scientific and Technological Advice (SBSTA) (tbc) • Mr. Gonzalo Munoz, The High-Level Climate Action Champion • Mr. Olivier Dubois, FAO • Dr. Dolf Gielen, Director, IRENA Innovation and Technology Centre