



TEC



Regional technical expert meeting Efficiency in industry

Co-organizers: Technology Executive Committee (TEC)
Climate Technology Centre and Network (CTCN)
United Nations Conference on Trade and Development (UNCTAD)

Date: 13 April 2018

Time: 9:00h – 13:00h

Venue: African Climate Week, Nairobi, Kenya

Context:

Accounting for over one third of global final energy consumption, the worldwide industrial sector consumes more energy than any other end-use sector, contributing to a large share of global GHG emissions. Various energy and material efficiency measures can reduce energy consumption and related greenhouse gas emissions significantly, thereby also offering great cost saving potential and a number of environmental and social co-benefits, such as reduced air pollution, improved working conditions and boosting economic diversification. Despite the high potential for industrial energy and resource efficiency, many challenges and unaddressed needs remain, among them are lack of awareness of energy efficiency potential, limited access to financing and the need for capacity-building are the prime ones.

The two bodies of the Technology Mechanism, the TEC (the policy arm) and the CTCN (the implementation arm) have undertaken work aimed at identifying and promoting policy and technology options for climate change mitigation through energy efficiency in industry. Those are summarized in a [policy brief titled “Industrial Energy and Material Efficiency in Emission-Intensive Sectors”](#) and relevant [executive summaries for target stakeholders](#).

The regional technical expert meetings are organized in the context of the [technical examination process](#) started by the Conference of the Parties (COP) to the UNFCCC in 2014 as a follow-up action to energy efficiency policy options and opportunities identified in the previous technical expert meetings. During 2018, the Technical Examination Process will focus on circular economies and industrial waste reuse and prevention solutions, also to promote higher material and energy efficiency and indirectly reduce emissions and environmental pollution. This highlights the importance of energy efficiency and circular economy policy options and opportunities that are actionable in the short term. In this event, UNCTAD contributes towards this goal by bringing a concrete example of Angola, a country which is benefiting from a National Green Export Review (NGER) to diversify its economy towards non-carbon-intensive industries.

Objectives:

The objective of this meeting is to discuss actionable solutions to address barriers and needs in the context of energy and material efficiency improvements in industry, as well as circular economy models. The event will showcase viable business models and opportunities for green economic diversification. Success factors and the roles of different stakeholders in the process of enhancing industrial energy efficiency as well as best practices and lessons learned are presented.



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Agenda

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| 09:00 – 09:15 | Opening remarks <i>Ligia Noronha, Division Director, UN Environment</i> |
| 09:15 – 11:00 | Session I: Climate technology policies for enhancing efficiency in industry <i>This session describes the role that different stakeholders may play in the process of enhancing industrial energy and material efficiency. It also discusses the instruments that the different stakeholder can put in place to overcome barriers and support the transition of the industrial sector to low carbon solutions.</i> <ul style="list-style-type: none">- The work of the Technical Executive Committee on industrial energy and material efficiency <i>Ms. Duduzile Nhlengethwa-Masina, UNFCCC Technology Executive Committee</i>- Role of domestic policymakers <i>Dr. Maged K. Mahmoud, Technical Director, Regional Center for Renewable Energy and Energy Efficiency (RCREEE)</i>- Role of the business sector <i>Mr. Thabo Molekoa, CEO, Regional Office for Sub-Saharan Africa, thyssenkrupp</i>- Role of international organizations <i>Mr. Zacharia Munga, Project Coordinator, UNIDO</i> <i>Moderator: Ms. Stella Gama, UNFCCC Technology Executive Committee</i> <i>Format: Short presentations and panel discussion followed by discussion among all participants</i> |
| 11:00 – 11:30 | Break |
| 11:30 – 12:50 | Session II: Experiences on the ground <i>This session highlights industrial energy and material efficiency success stories in different regions. It explores their impact and challenges they have overcome. It also highlights how such success stories cover multiple social and environmental benefits, as well as ideas for their upscaling.</i> <ul style="list-style-type: none">- CTCN experience on the ground <i>Federico Villatico Campbell, Climate Technology Manager, Climate Technology Centre and Network</i>- Conversion of metal waste into construction material in Angola <i>Mr. Luis Diogo, Director-General, Fabrimetal, Angola</i>- GHG emission reduction in the Cement Industry by using Waste Heat recovery combined with mineral carbon capture and Utilization - South Africa <i>Dr. Dhiraj Rama, Executive Director, Association of Cementitious Material Producers, South Africa</i>- Integrated production to optimize residue utilization and reduce business risks <i>Ms. Elizabete Dias dos Santos, Chairman, DISIDE & Solmar, Industrial Fish Processor, Angola</i>- Development of energy efficiency projects in industries and services in Senegal <i>Prof. Issakha Youm, Centre d'Etudes et de Recherches sur les Energies Renouvelables (CERER), Dakar</i> <i>Moderator: Rajiv Garg, Network and Capacity Building Manager, Climate Technology Centre and Network</i> <i>Format: Presentations followed by questions and answers with all participants</i> |
| 12:50 – 13:00 | Closing <i>Jukka Uosukainen – Director, Climate Technology Centre and Network</i> |