



# 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.