

Agenda item 4 (a)

Overview of activities undertaken by the TEC under 2016-2018 rolling workplan

Technology Executive Committee, 18th meeting
Copenhagen, Denmark, 25–27 March 2019



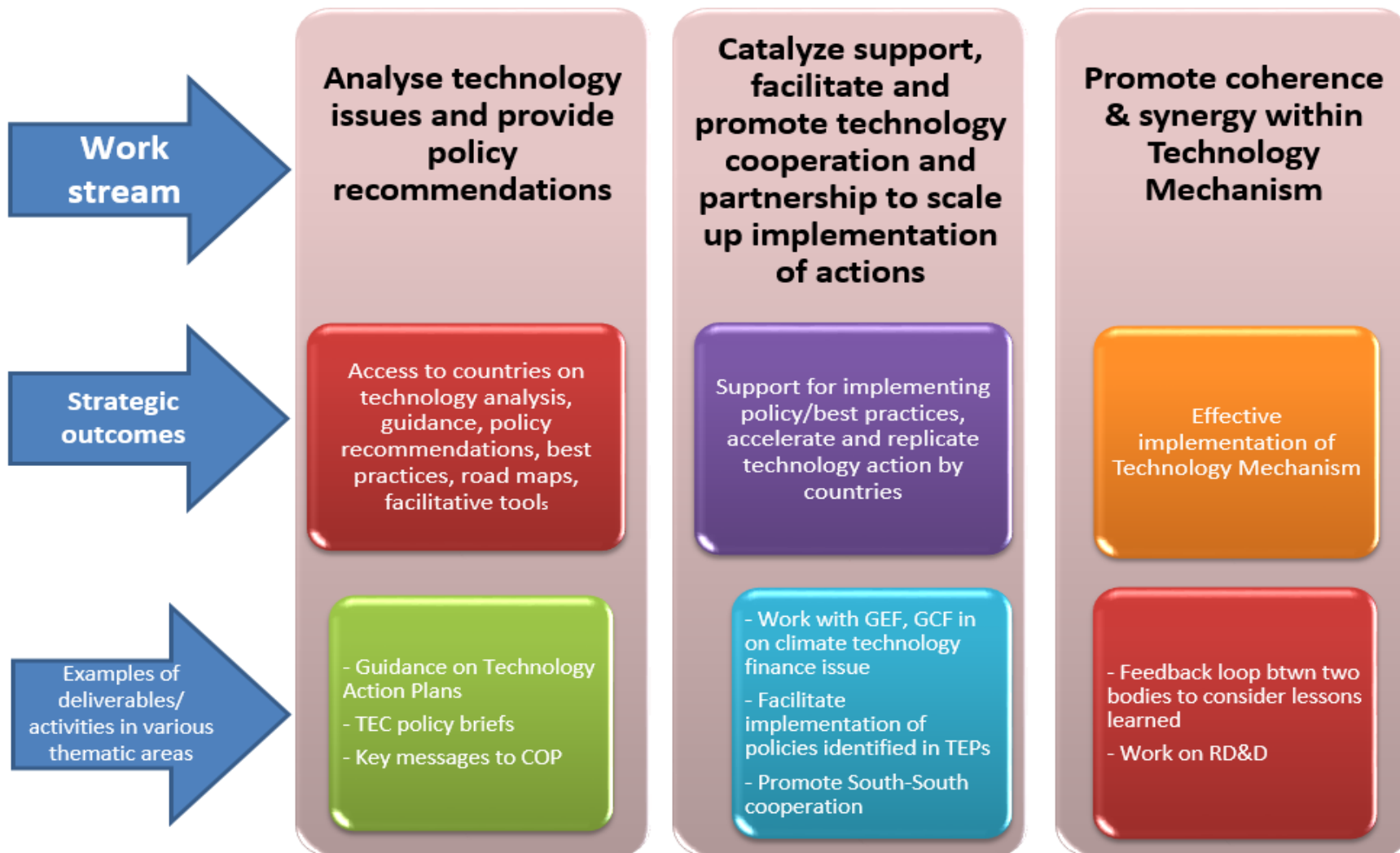
Ms. Ariesta Ningrum
Finance, Technology and Capacity-Building programme
UNFCCC secretariat

2016-2018 rolling workplan

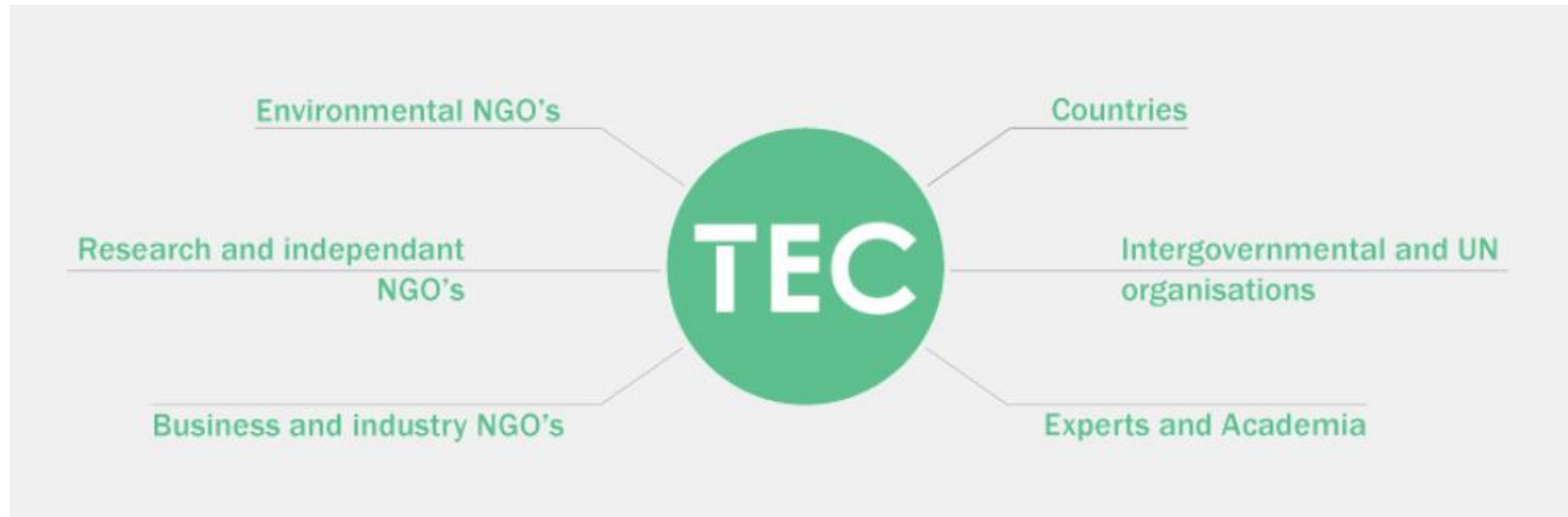
- Adopted at TEC12 (March 2016) to respond to Paris outcomes - increased roles and contribution of the TEC in the new climate regime
- Based on TEC functions, Technology Mechanism mandates, COP21 requests
- For the first time applying three year workplan period to allow sufficient time to respond to mandates
- Grouping of TEC activities into three workstreams (each with defined strategic outcomes)
- Accompanying communication & outreach strategy to enhance the visibility of the outputs of the new workplan

2016-2018 rolling workplan – three Workstreams

Taking forward the Paris outcomes: **Rolling workplan** of the TEC for 2016–2018



2016-2018 rolling workplan – stakeholder engagement



Adaptation
Committee

WIM ExCom

PCCB

Standing
Committee
on Finance



GREEN
CLIMATE
FUND



LDC Expert
Group

High-Level
Climate
Champions





Adaptation technologies



Innovation and RD&D



Climate technology financing



Mitigation technologies



Emerging and cross-cutting



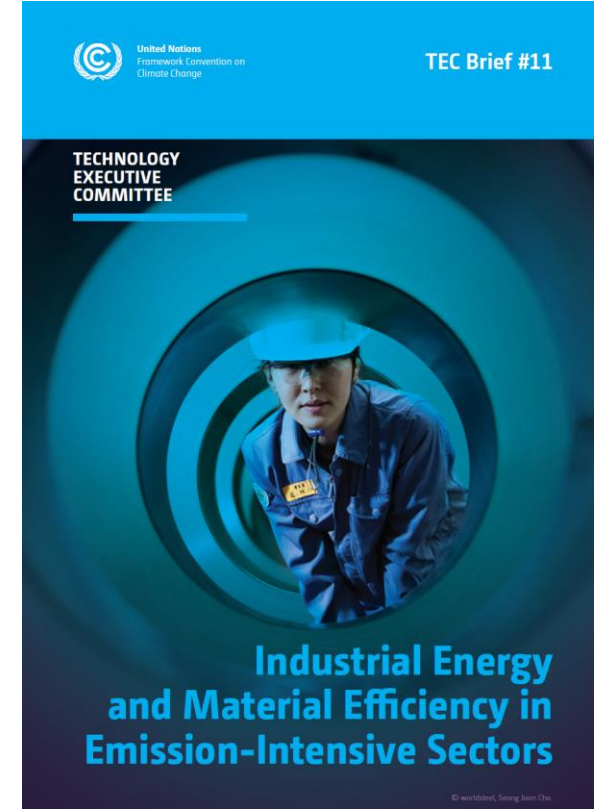
Technology needs assessment

Activities ranged from:

- Developing policy briefs, guidance, technical papers, executive summaries, key messages & recommendations to COP
- Organising thematic dialogues, workshops, and other events
- Providing inputs to other constituted bodies and UNFCCC processes
- Communication & outreach

Examples - TEC Briefs launched in 2017

TEC briefs



Available on TT:CLEAR <http://unfccc.int/ttclear/tec/documents.html>



18th meeting of the Technology Executive Committee

Executive summaries for target groups

Policy makers

Financial institutions

Industry actors

International organizations

Technology Executive Committee

EXECUTIVE SUMMARY FOR DOMESTIC POLICY MAKERS

Industrial Energy and Material Efficiency in Emission- Intensive Sectors

Accounting for one third of global final energy consumption, the industrial sector continues to be one of the most energy-intensive and one of the most carbon-intensive. It is also one of the most energy-intensive and one of the most carbon-intensive. It is also one of the most energy-intensive and one of the most carbon-intensive. It is also one of the most energy-intensive and one of the most carbon-intensive.

ROLE OF DOMESTIC POLICYMAKERS

Policy-makers have a critical role to play in setting standards, policies and laws for energy efficiency, addressing barriers to the uptake of energy efficiency in industry across different geographies and manufacturing sectors across in relation to energy efficiency. Addressing barriers to the uptake of energy efficiency in industry across different geographies and manufacturing sectors across in relation to energy efficiency. Addressing barriers to the uptake of energy efficiency in industry across different geographies and manufacturing sectors across in relation to energy efficiency.

Multiple benefits of energy efficiency
Source: IEC/IEA 2014

Benefit	Enabling approaches to domestic policies to enhance energy
Cost of investment	Special financing and tax treatment
Cost of information	Information campaigns, performance labels and demonstration projects
Cost of behavioral inertia	Implementation of energy audits and self-insulation
Cost of information asymmetry	Auditing, codes and standards, monitoring, obligation schemes and demonstration projects
Energy production	Feed-in-tariff and other types of energy price subsidies
Industrial losses	Industrial codes and best-practice manuals, training, obligation schemes and demonstration projects
Cost of access to technology	Research and development programmes
Energy efficiency demonstration/leading tasks	Special incentives, codes and standards

POSSIBLE OPTIONS FOR ACTION

Energy management systems using the most important instruments for increasing industrial energy efficiency. It is also one of the most energy-intensive and one of the most carbon-intensive. It is also one of the most energy-intensive and one of the most carbon-intensive. It is also one of the most energy-intensive and one of the most carbon-intensive.

For more information, please read the TTE Brief on energy and material efficiency in emission-intensive sectors.

TTE Working Group on Domestic Policy
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Technology Executive Committee

EXECUTIVE SUMMARY FOR FINANCIAL INSTITUTIONS

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ROLE OF FINANCIAL INSTITUTIONS

Financial institutions play an important role in increasing energy efficiency in industry by providing a major source of financing. It is also one of the most energy-intensive and one of the most carbon-intensive. It is also one of the most energy-intensive and one of the most carbon-intensive. It is also one of the most energy-intensive and one of the most carbon-intensive.

Multiple benefits of energy efficiency
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POSSIBLE OPTIONS FOR ACTION

IN GENERAL

Financial institutions can play a key role in increasing energy efficiency in industry by providing a major source of financing. It is also one of the most energy-intensive and one of the most carbon-intensive. It is also one of the most energy-intensive and one of the most carbon-intensive.

IN INDUSTRIAL

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EXECUTIVE SUMMARY FOR INDUSTRY ACTORS

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POTENTIAL AND BENEFITS FOR INDUSTRIAL ACTORS

For enterprises, there are a number of good reasons to invest in energy efficiency. It is also one of the most energy-intensive and one of the most carbon-intensive. It is also one of the most energy-intensive and one of the most carbon-intensive. It is also one of the most energy-intensive and one of the most carbon-intensive.

Energy Efficiency Measures

Measure for energy	Energy management	Energy efficiency measures	Related recovery
Energy audits, energy audits, energy audits	Energy audits, energy audits, energy audits	Energy audits, energy audits, energy audits	Energy audits, energy audits, energy audits
Energy audits, energy audits, energy audits	Energy audits, energy audits, energy audits	Energy audits, energy audits, energy audits	Energy audits, energy audits, energy audits
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EXECUTIVE SUMMARY FOR INTERNATIONAL ORGANIZATIONS

Industrial Energy and Material Efficiency in Emission- Intensive Sectors

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ROLE OF INTERNATIONAL ORGANIZATIONS

International organizations that act in the field of energy have highlighted the importance of industrial energy efficiency and have established dedicated networks and initiatives. It is also one of the most energy-intensive and one of the most carbon-intensive. It is also one of the most energy-intensive and one of the most carbon-intensive.

Multiple benefits of energy efficiency
Source: IEC/IEA 2014

Role	Work in relation to international organizations
Cost of investment	Information and demonstration
Cost of information	Capacity building
Cost of behavioral inertia	Policy support
Cost of information asymmetry	Research and development
Energy production	Information and demonstration
Industrial losses	Capacity building
Cost of access to technology	Policy support
Energy efficiency demonstration/leading tasks	Research and development

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Examples – other publications launched in 2018



Available on TT:CLEAR <http://unfccc.int/ttclear/tec/documents.html>



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Examples – key events in 2017



Thematic dialogue on industrial energy efficiency (29 March 2017)

Held in conjunction with TEC 14. Stakeholders and experts from various areas and disciplines provided inputs on industrial EE from different perspectives to identify gaps, obstacles, and further needs in this field.

TEM 2017: thematic session on innovative policies and technologies (9 May 2017)

Key actors discussed how innovative approaches to urban planning, policies and technology solutions can deliver emission reductions and generate sustainable development benefits in cities.



Special event on innovation (12 May 2017)

High-level experts discussed how key innovation policies and innovative technologies for enhancing climate action can support countries to implement their nationally determined contributions and mid-century strategies



Examples – key events in 2018

Thematic dialogue on incubators and accelerators

(Bonn, March 2018)



South-South and triangular cooperation regional workshops (Singapore, July 2018 | Montevideo, August 2018)



Regional TEMs on mitigation (Nairobi, April 2018 | Singapore, July 2018 | Montevideo, August 2018)



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TNA - Mapping barriers and enablers TNA, NDC, CTCN technical assistance requests, Linkages between TNA and NDC



Climate tech financing - Update the PSP evaluation report for consideration by **SBI 50**



Mitigation – engagement in TEP-M (up to 2020) including in regional events



Adaptation – engagement in TEP-A (up to 2020) including participation in AC working group



Innovation and RD&D – new and emerging technologies



Emerging and cross-cutting:

- further work on endogenous capacities and technologies – in collaboration with CTCN and PCCB
- Joint work with ExCom - Expert dialogue in **spring 2019**, policy brief development to be launched at **COP25**

More information is available on

<http://unfccc.int/ttclear/tec>



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