



Work of the Technology Executive Committee of the UNFCCC

3rd TFTEI Annual Meeting – Rome, 20 Oct 2017



What is the Technology Executive Committee?

➤ The "Policy" component of the Technology Mechanism of the UNFCCC, established 2010

Undertakes analysis and provides policy recommendations to enhance climate technology development and transfer

Comprises 20 expert members

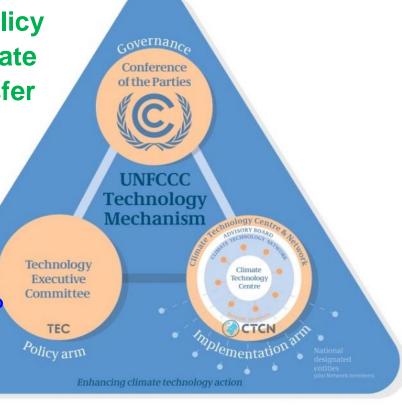
Maximize impact through:

TEC Briefs

Key messages & recommendations to COP

Guidance

 Working with key partners (CTCN, Green Climate Fund, etc.)





Rolling workplan of the TEC for 2016-2018

6 Thematic Areas:

- Adaptation technologies
- Climate technology financing
- Emerging and cross-cutting issues
- Innovation, research, development and demonstration
- Mitigation technologies
- Technology needs assessment



Work on industrial energy efficiency in 2017

Thematic dialogue on industrial energy efficiency and material substitution (March 2017)

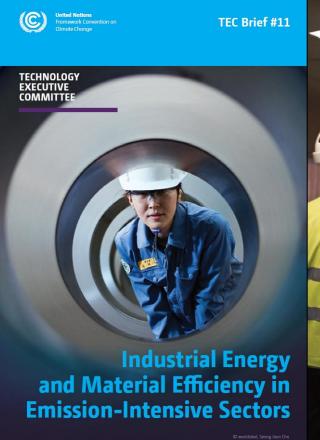
 Provided an opportunity for participants to deepen their understanding of measures and technologies for industrial energy efficiency, its potential and limitations



Work on industrial energy efficiency in 2017

TEC Brief on industrial energy and material efficiency in emission-intensive sectors (To be published on the website in October)

 Deliver the key findings of the thematic dialogue to policy makers and other stakeholders including industrial actors and financial institutions





Benefits of Industrial Energy Efficiency

CO-BENEFITS

Economic benefits and climate change mitigation are put forward as the key decision factors when it comes to implementing energy efficiency measures in industry But there are also other significant impacts beyond cost savings and climate protection that are gaining increasing importance in relation to the selection, design and acceptability of policies. Investing in energy efficiency has multiple benefits for both companies and their employees.

POTENTIAL AND BENEFITS FOR ENTERPRISES

By investing in energy efficiency, companies can benefit from increased energy security and reduced risks related to colable fuel priors by being less reliable on non-renewable fossil fuels. Other benefits of energy efficiency include more cost-efficient production, increased productivity, reduced material losses and higher product quality. Also, more exo-friendly operation and production processes lead to better environmental compliance and a better reputation for companies. Furthermore, adapting and developing future technologies for energy efficiency and thereby strengthening their competitiveness can be a great motivation for enterprises. Small and medium-sized enterprises (SMEs) account for a large share of industry worldwide and, especially in developing countries, they play an important role in the context of energy-intensive industries. Although their individual energy consumption is rather low, their collective use is considerable. Simple measures could reduce their consumption significantly. Especially for SMEs, the benefits of energy efficiency play an important role since they can contribute to greater competitiveness and better technological innovation capability.

SOCIAL AND ENVIRONMENTAL BENEFITS

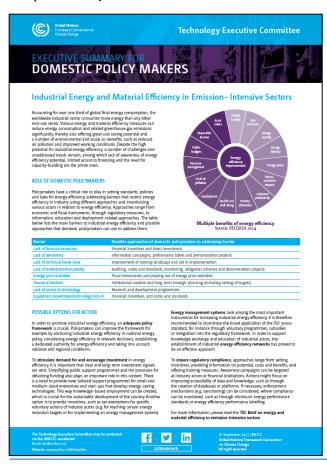
Employees and citizens can also benefit from the positive effects of increased energy efficiency, such as better working conditions due to air quality improvements and resulting health benefits. Besides contributing to improved working conditions, energy efficiency can also play a crucial role in creating new prolypement. It can contribute to the generation of jobs directly, for example jobs in manufacturing, installation, maintenance and related services, such as energy audits, energy management and certification services, as well as indirectly, that is jobs resulting from effects in the supply chain. In addition to cutting down local and regional air pollution, energy efficiency can play a major role in reducing waste and the associated pollution of water and land, thereby also contributing to combating negative impacts on biodiversity (See figure 2).

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Work on industrial energy efficiency in 2017

Executive summaries for target groups

(To be published on the website in October)



Convey selected messages from the TEC Brief to tailored target groups:

- Domestic policy makers
- Industry actors
- Financial institutions
- International organizations

Possible action by industry, for example:

- Engage in networks or clusters dedicated to energy efficiency
- Take part in capacity building to be able to identify opportunities and use implemented measures sustainably





TEC

Technology Executive Commitee

> Read the latest policy recommendations that accelerate innovation



Projects Pipeline

Fund promising climate tech projects in developing countrie



Technology Needs Assessment

See the assessments that oper tech opportunities for the developing world



Support Spectrum

Explore the options that enable climate change solutions







Thank you!

More information about the TEC at: www.unfccc.int/ttclear/tec