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Industrial Energy-Related Technologies and Systems

*A Technology Collaboration Programme
established under the auspices of the International
Energy Agency*

The IETS Technology Collaboration Programme (TCP)

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The IETS is a TCP under the IEA, focusing on **energy efficient industrial technologies and systems**.

IETS was established in 2005 as the result of merging, revamping and extending activities formerly carried out by separate industrial IEA Programs.

IETS currently has 10 member countries:

Austria, Belgium, Canada, Denmark, France, Germany, the Netherlands, Norway, Portugal and Sweden.



For more information about IETS: <http://www.iea-industry.org/>

IETS Mission and strategic objectives

The IETS logo consists of the lowercase letters "iets" in a bold, black, sans-serif font. The text is positioned on the right side of a thick yellow horizontal bar. A green brushstroke graphic is layered behind the yellow bar, extending from the right edge towards the center.

“To foster international co-operation among OECD and non-OECD countries for accelerated research and technology development of industrial energy-related technologies and systems”

- To strengthen international cooperation on energy saving and GHG mitigation in industry
- To include all industrial sectors and technologies/systems in the IETS area
- To facilitate cooperation between different industrial R&D disciplines
- To improve knowledge transfer and information between countries, researchers, and industries
- To develop international networks within an industry sector or within cross-cutting technology or system areas

The IETS Annexes

The IETS logo consists of the lowercase letters "iets" in a bold, black, sans-serif font. The letters are positioned on a yellow horizontal bar that spans across the top of the slide. A green, brush-like graphic element is behind the letters, extending to the right and slightly upwards, giving the logo a dynamic, hand-drawn appearance.

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The core of the IETS activities is carried out in so called Annexes.

On-going:

- Annex XI - Industry-based Biorefineries
- Annex XIV – Energy efficiency in the iron and steel industry
- Annex XV - Industrial Excess Heat Recovery
- Annex XVI - Energy Efficiency in SME´s
- Annex XVII - Membrane filtration for energy-efficient separation of lignocellulosic biomass components

Starting up:

- Annex XVIII - Industry digitalization for energy efficiency and GHG emissions reduction
- Annex XIX – Electrification in Industry

Finished:

- Annex IX - *Energy Efficient Separation Technologies Systems*
- Annex XII - *Membranes as Energy-Efficient Technologies for Separation of Hydrocarbons*
- Annex XIII - *Industrial Heat Pumps*

Ideas and proposals for new Annexes or activities

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- Process Integration
- Control System for improved energy efficiency
- International expert workshop on deep decarbonization in industry
- Sponsoring conference on negative emissions in industry (discussed together with IEA, Bioenergy and IEA, GHG)

Workshops and Conferences - Examples

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- Joint workshop with IEA, Bioenergy on Industrial Biorefineries, Gothenburg, May 2017
- “The role of process integration for greenhouse gas mitigation in industry”, Expert Workshop in Berlin 2017
- Workshop in connection to the conference Industrial Processing, co-arranged with Dutch ISPT, June 2016 in The Hague.
- Several workshops in different Annexes
- Joint workshop on Industrial Carbon Capture and Storage, CCS, with IEA Greenhouse Gas (IEAGHG) TCP, Lisbon March 2015
- International Jubilee Process Integration Conference, Gothenburg March 2013
- Joint workshop on System Aspects of Biomass Based Gasification, with Bioenergy TCP, Task 33, Gothenburg November 2013



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IEA Industrial Energy-related Technologies and Systems

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