

TCP on Industrial Energy-Related Technologies and Systems (IETS TCP)

The IETS TCP focuses on energy use in a broad range of industry sectors with significant potential for emissions and cost savings. The IETS TCP work programme ranges from aspects relating to development of processes and energy technologies, to overall system analysis and energy efficiency in industry sectors.

Main areas of work

- Analysis relating to scientific research, development, demonstration and deployment
- Technology and systems foresighting
- Technology and systems assessment of policies and consequence
- Information dissemination

Key activities and accomplishments (2017-2018)

- [Industry-based biorefineries](#)
 - [Membrane filtration for energy-efficient separation of lignocellulosic biomass components](#)
 - [Industrial excess heat recovery](#) – technologies and applications
 - [The role of process integration for greenhouse gas mitigation in industry](#)
 - [The role of industrial biorefineries in a low carbon economy](#)
- [Reports are available for all key activities](#)



Industry is a key sector for greenhouse gas (GHG) emissions mitigation. The IETS TCP aims to support collaboration to reduce GHG emissions from industrial systems. Photo: Adobe Stock

Priorities and projects (2019 – 2020)

- [Digitalization, artificial intelligence and related technologies for energy efficiency and GHG emissions reduction in industry](#)
- [Electrification in industry](#)
- [Decision support tools and ex-ante research for evaluating bioeconomy transformation strategies](#)
- International expert workshop on deep decarbonisation in industry, Vienna, 9-11 October 2019

Multilateral collaborations

- Collaboration with other TCPs
 - Bioenergy TCP (joint workshops and planned project co-operation)
 - TCP on Heat Pumping Technologies (joint project)
 - TCP on Greenhouse Gas R&D (joint workshop)
 - The IETS TCP is open to closer collaboration with other TCPs and the European Commission

Membership



Austria



Canada



Denmark



France



Germany



Italy



Netherlands



Norway



Portugal



Sweden

- Central Research Institute of Electric Power Industry (CRIEPI)
- Ricerca sul Sistema Energetico (RSE)
- EURAC Research
- Limerick Institute of Technology
- Universidad de la Costa

Why should your organisation become a member of the IETS TCP?

Industrial systems must drastically reduce their GHG emissions in order to meet global emissions reduction target. Through its activities of knowledge sharing and dissemination among public and private sector, the IETS TCP increases awareness of technology and energy efficiency in industry, contributes to synergies between different systems and technologies, and enhances international cooperation related to sustainable development.

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Upcoming events

30th Executive Committee Meeting (location TBD): May 2020



www.iea-industry.org

The IETS TCP is organised under the auspices of the International Energy Agency (IEA) but is functionally and legally autonomous. Views, findings and publications of the IETS TCP do not necessarily represent the views or policies of the IEA Secretariat or its individual member countries.