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

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

Ongoing Tasks

- XI: Industry-based biorefineries towards sustainability
- XV: Industrial Excess Heat Recovery
- XVII: Membrane Processes in Biorefineries
- XVIII: Digitalization, Artificial Intelligence and Related Technologies for Energy Efficiency and GHG Emissions Reduction in Industry
- XIX: Electrification in Industry
- XX: Knowledge sharing on Industry Transition Roadmaps
- XXI: Decarbonizing industrial systems in a circular economy framework

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

Workshops and conferences

- IEA EUWP Industry networking workshop (2020)
- Joint workshop with EFCE - Process Integration for the Energy Transition in Industry (2020)
- International expert workshop on deep decarbonisation in industry (2019)
- Roadmaps for Industry in IETS Member Countries (2019)

Recent reports

- Subtask 1 Report: Digitalization, artificial intelligence and related technologies for energy efficiency and GHG emissions reduction in industry
- Subtask 1 Report: Electrification in Industry
- Final report: Energy efficiency in SMEs
- Report: Survey of current projects and novel technologies in the steel industry
- Task 2 Report: Industrial Excess Heat Recovery

Networking & collaboration

- With other TCPs, e.g.
  - Bioenergy TCP
  - TCP on Heat Pumping Technologies
  - TCP on Greenhouse Gas R&D

- With otherorganizations/initiatives, e.g.
  - European Commission
  - Mission Innovation

Membership

Austria	Canada	Denmark	France	Germany
Italy	Netherlands	Norway	Portugal	Sweden

- Central Research Institute of Electric Power Industry (CRIEPI)
- VTT, Finland
- Limerick Institute of Technology
- Lucerne University of Applied Sciences and Arts

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
https://iea-industry.org/events/

www.iea-industry.org