

IETS Newsletter on current work and activities

No. 4, October 2016

The IETS Newsletter provides you with short status reports on on-going Annexes, information on up-coming events and other information on IETS activities. IETS is the IEA Technology Collaboration Programme (TCP) on Industrial Energy-Related Technologies and Systems. Currently there are nine IETS Member countries that collaborate in two active Annexes. Visit the IETS web site for more information.

You receive this newsletter as an IETS delegate, observer, Annex participant, subscriber by notice, or otherwise considered related to and possibly interested of the work within IETS. If you do not wish to receive future newsletters, please unsubscribe by e-mail to the IETS Secretariat.

Austria has officially joined the IETS TCP, which the IETS ExCo is very happy to announce. The Austrian ExCo delegate will be Elvira Lutter from the Climate and Energy Fund of the Austrian Federal Government.

The last IETS Executive Committee Meeting was hosted by Fraunhofer-Institut für Physikalische Messtechnik IPM, Department of Energy and Environmental Technologies, in Freiburg, Germany. In addition to the IETS ExCo delegates and representatives from the IEA Secretariat and Working Party on Energy End-Use Technologies (EUWP), researchers from Fraunhofer IPM participated in the half-day workshop that was held before the actual meeting. The topic of the workshop was “R&D Activities in Germany and Strategic Development for the IETS” and the aim was to discuss possible collaboration areas and also outline the strategic development for the IETS.

IETS Annex Statuses

The current strategic plan for the IETS TCP involves the development of an organization with larger and long-standing Annexes. The IETS ExC has, hence, decided that it shall be possible for recently finished Annexes to continue as long-standing Annexes if there are relevant suggestions for new Tasks.

Annex XI, [Industry-based Biorefineries](#), was supposed to end on 31 December, but it will now be transferred to a new long-standing Annex. Information on work so far is available in the [IETS 2015 Annual report](#).

Also Annex XIV, [Process Integration in the Iron and Steel Industry](#), may be continued as a long-standing one, e.g., by professional education in the field.

Annex XV, [Industrial Excess Heat Recovery](#), is divided into two phases and Phase 2 has recently started with groups from Norway, Sweden, Denmark, Germany, Austria, Portugal and, hopefully, Canada.

Annex XVI, [Energy Efficiency in SMEs](#), finished in 2015. However, further work in the SME area has been proposed, e. g. scientific publications and energy efficiency networks.

Annex XVII, [Membrane filtration for energy-efficient separation of lignocellulosic biomass components](#), proceeds with the included tasks in 2016. Updated information is available at the [Annex website](#).

Proposals for new Annexes

Proposals for new Annexes within the IETS TCP have been put forward and will be further elaborated and evaluated. The most interesting areas are, at this stage, energy-efficient process control and multiple benefits of energy efficiency measures.

Current activities

The IETS was part of the organization of a workshop titled “Industrial Energy Agility - Business opportunities for industries through electrification” during the conference “Industrial Technologies 2016 – Creating a Smarter Europe” that was held on 23-25 June in The Hague during the Dutch EU presidency. The conference proceedings including presentations are available from the [conference website](#).

Work of Chair and Secretariat

IETS Chair Thore Berntsson has, in addition to internal TCP development work and discussions with potential new member countries, participated as a speaker in two international meetings in Paris:

- Re-defining Climate Ambition to “Well-below 2°C” (June 7-8)
- IEA Energy Efficiency Training Week (June 20-21)

The Secretariat is improving the promotion and dissemination of the IETS work, e.g. by collaboration with the IEA Secretariat and “information packaging”.

Per-Åke Franck from the IETS Secretariat has, besides supporting annexes and continued working on the matrix of ongoing research activities in IETS Member countries, engaged three speakers for a workshop titled “Heat Pumping Technologies for Commercial and Industrial Applications” at [the CHILLVENTA Exhibition](#). He also held a presentation of the IETS TCP at a [post-conference workshop](#) (side event to the [eceee conference Industrial Efficiency 2016](#)) organized by IPEEC and the German Federal Ministry for Economic Affairs and Energy.

Upcoming events

The IETS is planning a joint workshop together with the BioEnergy TCP in Gothenburg, Sweden, in May 2017.

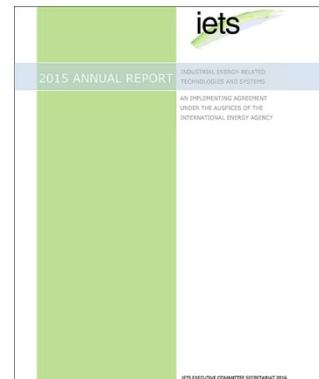
The next IETS Executive Committee Meeting will take place in Liège, 22-23 November 2016.

IETS Members and representation

Currently there are ten IETS Member countries: Austria, Belgium, Denmark, Germany, Korea, the Netherlands, Norway, Portugal, Sweden and the United States.

Annual Report 2015

The IETS Annual Report for 2015 is available from [the IETS website](#).



Next Newsletter

The next IETS Newsletter is planned for December 2016. In the meantime, [visit the IETS website](#) for updated information regarding the work within IETS.

INDUSTRIAL ENERGY-RELATED TECHNOLOGIES AND SYSTEMS (IETS)

The IETS program focuses on energy use in a broad range of industry sectors, uniting IEA activities in this area. Industry offers a significant savings potential at low or even negative cost. The work included in IETS ranges from specific developments of process or energy technologies to overall system aspects, in which energy efficiency is an important part, for practically all types of industry types.

The mission of IETS is to foster international co-operation among OECD and non-OECD countries for accelerated research and technology development of industrial energy-related technologies and systems.

Background

The IETS program was established in 2005 as a result of a merger, revamping and extension of activities formerly carried out by separate individual programs. The former programs for pulp & paper and for process integration are now parts of the IETS. The new program is still under development, with several new activities starting up.

Objective

The objective of IETS is to allow OECD member countries and OECD non-member countries to work together to foster international co-operation for accelerated research and technology development of industrial energy-related technologies and systems with main focus on end-use technologies, also taking into account other relevant IEA activities.

Activities

Through its activities, IETS will increase awareness of technology and energy efficiency in industry, contribute to synergy between different systems and technologies, and enhance international cooperation related to sustainable development.

The participants will implement a wide range of co-operative activities in the fields of

- scientific research,
- technology and systems research and development,
- demonstration and deployment,
- technology and systems foresighting,
- technology and systems assessment of policies and consequences, and
- dissemination of information.