

## IETS Newsletter on current work and activities

### No. 2, July 2015

*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 Implementing Agreement on Industrial Energy-Related Technologies and Systems. Currently there are nine IETS Member countries that collaborate in four 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.*

**The last IETS Executive Committee Meeting** was hosted by the International Energy Agency in Paris and focused to a great extent on the end-of term self-evaluation and the application for a new five year extension of the IETS Implementing Agreement. The half-day workshop that was held before the actual meeting was dedicated to evaluation of the IA's work and preparations for the extension. The results from the workshop and other strategic discussions have then been compiled into an End-of-Term Report and a Strategic Plan that will be submitted to the IEA Secretariat together with a formal letter to the EUWP Chair before 9 July.

An important question for the IETS ExCo is how to attract new member countries and/or sponsors to Annexes. The principles for member- and sponsorship were thoroughly investigated and evaluated at the meeting and measures will be taken during the next term to extend the number of participating countries. Please find a short official version of the Minutes [here](#).

#### **International Workshop: CCS in Process Industries - State-of-the-Art and Future Opportunities**

On 10-11 March 2015, a joint workshop was arranged by IEA Implementing Agreement IETS, Industrial Energy-Related Technologies and Systems, and IEA Greenhouse Gas R&D Programme. The workshop attracted about 60 participants and included presentations by invited speakers from industry, different government agencies, leading national and international organizations, research institutes and academia. A discussion forum moderated by Simon Bennett from IEA wrapped up the two-day workshop. [Presentations from the workshop are published at the IETS website.](#)

#### **IETS Annex Statuses**

Currently there are four on-going Annexes within the IETS IA:

Annex XI [Industry-based biorefineries](#) will end on 31 December and a final presentation of the work and results of the Annex will be held at the next ExCo meeting. More information is available in the [IETS 2014 Annual report](#).

The work in Annex XV [Industrial Excess heat Recovery](#) is divided into two phases and the final report from Phase 1 has been approved and published at the IETS website. The planning for Phase 2 has begun and there are already a number of interested groups.

Annex XVI, [Energy Efficiency in SMEs](#), is finished and has delivered final documentation from all four tasks, which will be published at the IETS website. Further work in the SME area will be discussed later on.

Annex XVII, [Membrane filtration for energy-efficient separation of lignocellulosic biomass components](#), started its work by a kick-off meeting in Lund, Sweden, in September 2014 and has its own [website](#). The participating countries in the Annex are Sweden, Belgium, Denmark, Portugal and Finland.

#### **Proposal for new Annexes**

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

#### **Work of Chair and Secretariat**

The Chair has with the help of Araceli Fernandez Pales at the IEA Secretariat established contact with relevant persons in Finland, Spain and Italy regarding possible

interest in IETS membership. These three countries are or have been involved in IETS activities and Annexes earlier. Dialogues are also going on with e.g. Japan and Austria. The Chair and IETS Secretariat shall investigate the possibilities of inviting representatives from relevant countries to the next IETS ExCo meeting.

The Chair met with pulp and paper R&D groups in Canada in February and is involved in the Industry Coordination Group that held a webinar in February about Industrial Waste Heat recovery. The webinar was attended by 12 participants representing six countries, four IAs and the IEA Secretariat.

The IETS Secretariat has, among other things, been involved in the setting up of the new Annex XVII and dissemination of the IETS work through the website and various types of documentation.

The ExCo has previously produced a matrix over ongoing research activities in IETS Member countries, which will be updated continuously. For high prioritized areas, so

far not covered within IETS, the Secretariat will have an active role in identifying and contacting leading organizations in IETS countries and, based on discussions with all these groups, suggest a program of work in a new Annex.

### **IETS Members and representation**

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

**The up-coming IETS Executive Committee Meeting** will take place in November 2015. The venue will be decided on early this fall.

### **Next Newsletter**

The next IETS Newsletter is planned for November/December 2015. In the meantime, [visit the IETS Website](#) for up-dated 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.