

## IETS Newsletter on current work and activities

### No. 1, November 2014

*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 five 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.*

#### **Last IETS Executive Committee Meeting**

...was hosted by ENOVA, Norway, and held in Trondheim on 14-15 May 2014. The preceding workshop concerned what is commonly referred to as the “Valley of Death”, giving the meeting participants the opportunity to share country specific experiences on the topic, and discuss how to overcome identified obstacles.

The ExCo meeting itself was to a large part focused on strategic development of the IETS, and targeted e.g. new areas of interest for start-up of different activities and the issue of enhancing the communication of results from general IETS as well as Annex work. Find a short official version of the Minutes [here](#).

#### **Up-coming IETS Executive Committee Meeting**

...will take place in Lucerne, Switzerland, on 25-26 November 2014. The host country has for some time been an observer to the IETS ExCo, and has now started the procedure to become a full member. The IETS Chair, Secretariat and the Swiss observer Michael Spirig at Fomenta are preparing the meeting.

#### **[International Workshop: On the way from Biorefineries to a Bioeconomy](#)**

This workshop within Annex XI, [Industry-based Biorefineries](#), focused on the challenges and outcomes related to the biorefinery concept, shared experiences and debated on the suitability of the concept and opportunities in a market driven framework towards a bio-based economy society, in the near future. The workshop was organized jointly and in continuation of the 12th International Chemical and Biological Engineering Conference, [CHEMPOR 2014](#), and took place in Oporto, Portugal, on the afternoon of 12 September 2014.

#### **IETS Annex Statuses**

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

Annex IX, [Energy Efficient Separation Systems: Methodological Aspects, Demonstrations, and Economics](#), was recently finished and the final report will be published after some revision.

Annex XIII, [Application of Industrial Heat Pumps](#), is also close to finishing their work after a final workshop in Montreal in May 2014. It has been a joint Annex with the HPP (Heat Pump Programme) IA. The final report is being written at the moment.

In Annex XIV, [Process integration in the iron and steel industry](#), the Annex Manager reports that the guidelines for the application of Process Integration methods in the industry are being finalized this fall, and that networks between Sweden and Australia have developed that potentially can lead to future common projects.

Annex XV, [Industrial Excess heat Recovery](#), has involved two new IETS Member countries (Norway and Germany), and are at the moment finalizing a report excess heating including chapters about availability, technologies and policy instruments. Regular telephone meetings have been held and a final meeting is planned for late February 2015.

Annex XVI, [Energy Efficiency in SMEs](#), have been a successful collaboration and the Annex Manager has identified new tasks as well as an opportunity for a potential new joint Annex together with the 4E IA.

### **New Annex to start in the fall of 2014**

At the 17<sup>th</sup> IETS Executive Committee Meeting, a full proposal for a new Annex was approved. It is Annex XVII, [Membrane filtration for energy-efficient separation of lignocellulosic biomass components](#), run by Annex Manager Ann-Sofi Jönsson, Lund University, Sweden. The Annex had a kick-off meeting in Lund, Sweden, on 11 September 2014.

### **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 newest Member, Germany, entered in the spring of 2014 and is represented by Dr. Claus Börner of Project Manager Jülich.

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

Lately, Chair Thore Berntsson, Sweden, has been active contacting new potential member countries to the IETS. The Secretariat has also been helpful in these efforts, and hope to have the opportunity to

report on the development of this in future newsletters.

The Chair has participated in the [Global Industry Experts Dialogue Workshop](#) in Paris on 23 October 2014.

The Chair and Portuguese vice Chair Clemente Pedro Nunes are engaged in planning a workshop on the topic of CCS in Lisbon, Portugal, in March 2015. More information on this will follow. Find the first announcement [here](#).

### **Next Newsletter**

The second IETS Newsletter is planned for January/February 2015. In the meantime, [visit the IETS Web site](#) 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.