

SUMMARY OF THE 24TH IETS EXECUTIVE COMMITTEE MEETING MAY, 17-18 2017, GOTHENBURG, SWEDEN

The meeting was kindly hosted by the Swedish Energy Agency at the Radisson Blu Hotell.

The following persons took part in the meeting:

- Thore Berntsson (Chair, Chalmers University of Technology, Sweden)
- Clemente Pedro Nunes (vice Chair, Technical University of Lisbon, Portugal)
- Maurits Clement (vice Chair, RVO Netherlands Enterprise Agency, the Netherlands)
- Claus Börner (Forschungszentrum Jülich GmbH, Germany)
- Svante Söderholm (Swedish Energy Agency, Sweden)
- Gudrun Maass (Chair, IEA End-use Working Party)
- Araceli Fernandez (Desk Officer, IEA Secretariat)
- Eric Soucy (observer, CanmetEnergy, Canada)
- Nina Chini (observer, Ministère de la Transition écologique et solidaire, France)
- Per-Åke Franck (IETS Secretariat, CIT Industriell Energi, Sweden)
- Heléne Johansson (IETS Secretariat, CIT Industriell Energi, Sweden)

Unfortunately, IETS member countries Austria, Belgium, Denmark, Norway, Korea and the U.S could not participate in the meeting. Approval of the suggested decisions will be made per capsulam.

Annex Manager Ann-Sofi Jönsson, Lund University, Sweden, dept. Annex Managers Frank Lipnizki Lund University, Sweden, and Mikael Larsson Swerea Mefos, Sweden, were present during some parts of the meeting. Karin Eriksson, CIT Industriell Energi, Sweden (representing the IETS Secretariat), reported from a conference and Annex Manager Patrik Thollander, Linköping University, Sweden, participated in a discussion by phone.

A joint workshop with IEA Bioenergy, “The role of industrial biorefineries in a low carbon economy”, gathered about 70 people the day before the ExCo meeting and was much appreciated.

SUMMARY OF THE EXCO MEETING

A large part of the IETS ExCo meeting dealt with proposals for new activities. Several new tasks, that could be included in on-going annexes, were discussed and also the initiation of a new annex on digitalization and data evaluation in industry for the purpose of energy efficiency.

The scope for this annex will be defined by the interested parties and there will be a starting workshop (web meeting) this autumn. The Canadian observer put forward a proposal from Canadian organizations that will be further elaborated. The IETS TCP is also collaborating in the area of digitalization on an IEA level.

Status reports, including proposals for new activities were given from all current Annexes: Annex XI (Industry-based Biorefineries) will deliver a final report on the first phase of the project before September. However, a new task was proposed at the ExCo meeting: Decision Support Tools for Evaluating Bioeconomy Transformation Strategies. The need for such a tool was discussed also at the joint workshop prior to the ExCo meeting and the ExCo members were positive to a further elaboration of the proposal.

Annex XIII (Applications of Industrial Heat Pumps) was finished in 2014, but will continue as Applications of Industrial Heat Pumps and Electrification in Industry. A proposal for a task in the area of electrification of industrial processes,

concentrating on power-to-heat was put forward. Possible areas for knowledge sharing are, e.g.:

- Interactions between industrial power consumers and base-load and balancing power.
- Comparison of electrification with other decarbonisation routes.
- Process integration methods and tools needed for such investigations.

The Dutch delegate shall provide a more detailed proposal at the next meeting and Per-Åke Franck will be appointed Annex Manager.

Annex XIV (formerly Process Integration in the Iron and Steel Industry) was finished in 2014 but will continue as a long-standing annex called Energy-efficiency in the Iron and Steel Industry. The ExCo approved the start of one new task: Training and dissemination, which involves producing an international course on process integration in steelmaking. The first course will be delivered in October. Two additional tasks were proposed:

- Development of a modelling approach that allows for model interconnectivity and implementation in industrial IT environments and
- Applied process integration studies on energy efficiency, resource efficiency and greenhouse gas mitigation.

However, these proposals need to be further elaborated to be considered. And preferably, at least one more IETS country should participate in this Annex.

Annex XV (Industrial Excess Heat Recovery) has recently continued as a long-standing annex and the work in Task 2 is progressing according to plan.

Annex XVI (Energy Efficiency in SMEs) presented a revised proposal for a new task, focusing on energy end-use efficiency policies with emphasis on energy efficiency networks towards industrial SMEs as well as review of scientific publications towards industrial SMEs. The new task can start after some further revision and written approval by the ExCo.

Annex XVII (Membrane Filtration for Energy-efficient Separation of Lignocellulosic Biomass Components) is about to end, but can continue as a long-standing annex, provided that there are suggestions for new tasks.

Some additional **proposals for new activities** were presented:

- The IETS will sponsor, with logos, support regarding programme and knowledge spreading, a conference on negative CO₂ emissions in May 2018.
- There may be an activity, probably a workshop, in the area of multiple benefits in the process industry.

The IETS TCP organized an IEA expert workshop titled The Role of Process Integration for Greenhouse Gas Mitigation in Industry in Berlin on April 4-5, which will result in a report and possibly a position paper later this year.

Increased dissemination of results from the TCP and annex work is considered important and it was decided “topic sheets” shall be produced and distributed yearly to relevant target groups. To begin with, there will be topic sheets based on the findings in Annexes XIV and XVI as well as on the reports produced from the Berlin expert workshop on process integration and the joint workshop in Gothenburg on the role of industrial biorefineries in a low carbon economy.

Election of Chair and vice Chairs will be held at the next ExCo meeting. Claus Börner and Svante Söderholm form the nomination committee.

The ExCo decided to renew the appointment for Secretariat for the period of 2018 - 2020.

The next IETS ExCo Meeting will take place in November 2017 – dates and venue to be decided on.

“THE ROLE OF INDUSTRIAL BIOREFINERIES IN A LOW CARBON ECONOMY” – WORKSHOP CONCLUSIONS

The presentations from the workshop are available at the [IEA Bioenergy website](#). There will also be a final report and maybe a position paper.