

## SUMMARY OF THE 30<sup>TH</sup> IETS EXECUTIVE COMMITTEE MEETING 27-28 MAY 2020 ONLINE (GOTOMEETING)

The meeting was supposed to be hosted by ADEME in Paris, but had to be performed as an online event due to the Covid-19 situation. The online meeting was set up by the IETS Secretariat from the premises in Gothenburg, Sweden. The meeting lasted from 14.00 – 18.00 on both days (instead of two full days.)

ExCo members (delegates and/or alternate delegates) from all ten member countries, two sponsors, representatives from the IEA Secretariat and the EUWP, most Annex Managers and the IETS Secretariat staff participated in the meeting.

The preceding “Workshop on the Request for Extension of the IETS TCP” was internal and resulted in draft documents to be submitted to the IEA Secretariat by 15 June.

### SUMMARY OF THE EXCO MEETING

**Due to the nature and time frame of the meeting** of the IETS ExCo, focus was on making strategic decisions for the future of the IETS TCP, rather than sharing information and discussions. Annexes XI, XIV, XVIII and XIX are preparing new Tasks. The previously presented proposals for new annexes “Development of Industry Transition Roadmaps” and “Decarbonizing industrial systems in a circular economy framework” had been further developed and will start attracting participating groups.

**The current term for the IETS Secretariat**, hosted by CIT Industriell Energi in Gothenburg, Sweden, will end on 31 December 2020. However, the IETS ExCo decided to renew the mandate and not issue a call for tender.

**Status reports, including proposals for new activities were given from all current Annexes:** *Annex XI* (Industry-based Biorefineries) has continued working in the new task - ”Decision Support Tools and Ex-Ante Research for Evaluating Bioeconomy Transformation Strategies”. The recent reorientation of the Annex reaffirmed its mission, with an emphasis on process systems analysis of industrial solutions seeking deep decarbonisation of industry through the integration of biorefineries.

Some potential new Tasks have been identified:

- Site-level energy analytics for biorefinery integration
- Energy and GHG intensity of biorefinery value chains
- Artificial intelligence for biorefinery transformations

- Circular economy and biomass-oriented industrial symbiosis

The proposed planning of a workshop on “Strategic ex-ante decision making considering radical changes in industrial processes and systems” in early 2021 was approved.

*Annex XIV* (Energy-efficiency in the Iron and Steel Industry) has been on hold for some time. However, the IETS Secretariat has performed a survey and presented the report “Survey of current projects and novel technologies in the steel industry” and a suggestion for continuation.

*Annex XV* (Industrial Excess Heat Recovery) is preparing Task 3. Work planned for 2020 is:

- Start, continuation and deepening of the proposed work from the legal text of Task 3.
- Deepen the recently established matrix of project contributions of the individual subtasks.
- The project work and all detailed research questions in the individual subtasks with each groups associated will be elaborated and answered regarding:
  - Methods combination
  - Consequences for future changes
  - Operational aspects
  - Risk assessment

*Annex XVI* (Energy Efficiency in SMEs) has produced a final report, which has been reviewed by ExCo. The report mainly refers to two published articles and will be slightly revised to include also conclusions and findings from the papers, see below, before approval.

- [A review of energy efficiency policies for small and medium-sized manufacturing enterprises from around the world](#)

- [Designing Policies and Programmes for Improved Energy Efficiency in Industrial SMEs](#)

*Annex XVII* (Membrane processes in biorefineries) is working according to plan and presented the following highlights and status:

- Annex meeting, Skype, 12th December 2019.
- Annex webpage has been opened.
- First projects have been associated with the Annex.
- Applications for further Annex related projects under preparation in Denmark, Italy, Portugal and Sweden.
- Annex dissemination 2019/20:
  - 10 papers
  - 6 presentation at international conferences
  - 7 meetings and dissemination activities

*Annex XVIII* (Digitalization, Artificial Intelligence and Related Technologies for Energy Efficiency and GHG Emissions Reduction in Industry) is concluding the first task and reported the following deliverables:

- Lexicon: Basic definitions and context of digitalization, artificial intelligence and related technologies
- Plenary presentations by experts in the fields of digitalization
- Critical analysis and identification of « potential area(s) of interest» between Annex participants
- The identification of potential future tasks that capture the interest of country experts
- Power point proposals summarizing objectives and methodology of three future Annex XVII Tasks
- List of potential contributors to the tasks

Approval to continue with new Tasks can be given when a formal text has been approved by the ExCo.

*Annex XIX* (Electrification in Industry) aims to be a platform for enhancing collaboration between countries in the area of industrial electrification with an emphasis on system aspects. The first task aims to generate a multi-year plan for the coming years, including:

- Activities (ranked according to priorities of annex members and interested stakeholders)
- Timing
- Potential roles of different stakeholders/countries

The Final Report shall be ready in September.

**The International Expert Workshop on Deep Decarbonization in Industry**, held in Vienna in

October, resulted in the following areas for follow-up workshops:

- Strategic ex-ante decision making at radical changes in industrial systems
- Systems for negative emissions in industry
- The role of process integration In deep decarbonization

**Two new sponsors have accepted the invitation:** Lucerne University from Switzerland and VTT Technical Research Centre of Finland. They will be up for approval by the CERT in June.

**The contents of two Topic Sheets were approved and will be published:**

- “Decision Support Tools and Ex-Ante Research for Evaluating Bioeconomy Transformation Strategies” (based on the proposal for a new Task in Annex XI)
- “A review of energy efficiency policies for manufacturing small and medium-sized enterprises from around the world” (based on a published paper from Annex XVI)

**The next IETS ExCo Meeting** will take place late November 2020, possibly in potential member or sponsor country.

#### SUMMARY OF THE WORKSHOP: “REQUEST FOR EXTENSION 2021-2025 OF THE IETS TCP”

The following documents were presented and discussed:

- The IETS TCP End-of-Term Report 2016-2020
- The IETS TCP Questionnaire 2020
- The IETS TCP Strategic Work Plan 2021-2025

The main aim with the work during 2021-2025 will be to continue to facilitate development of technical, economic and environmentally oriented knowledge for industrial technologies and systems, and to ease participation by countries within the full range of industrial areas.

IETS will continue to work with establishment of networks between academia, institutes, industry and governmental organizations in order to improve knowledge transfer, share experiences of past and ongoing projects, avoid duplication, develop new knowledge, identify direct cooperation opportunities and disseminate findings and state-of-the art.

Chair will present the IETS Strategic Plan to the EUWP in September.