

SUMMARY OF THE 33RD IETS EXECUTIVE COMMITTEE MEETING 24-25 NOVEMBER 2021 ONLINE (TEAMS)

Also this ExCo meeting 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 ten member countries, one sponsor, the IEA Desk Officer, all Task Managers and the IETS Secretariat staff participated in the meeting. The theme for the preceding internal workshop was to review updated Task Management Guidelines and templates.

SUMMARY OF THE EXCO MEETING

Several new activities were discussed during the meeting, e.g., proposals for new Subtasks in Tasks XI, XVIII and XIX, as well as a joint online workshop with the IEAGHG TCP.

The ongoing planning for an open conference (to be held late autumn 2022 or early 2023), covering important areas of the IETS work for decarbonization was also presented and discuss, as well as a possible collaboration with Mission Innovation on experiences of large decarbonization projects in industry.

Status reports, including proposals for new activities, were given from all current Tasks:

Task XI (Industry-based biorefineries towards sustainability) has continued developing the Subtask - "Decision Support Tools and Ex-Ante Research for Evaluating Bioeconomy Transformation Strategies". 13 possible projects from different IETS countries are included. Two new Subtask proposals were put forward:

- "Technology Pathways towards Negative and/or Net-Zero Emission Biorefineries" - subject for approval by ExCo early 2022.
- "Circular Bioeconomy and Biomass-Oriented Industrial Symbiosis" – workshop in February.

Task XIV (Energy-efficiency in the Iron and Steel Industry) was put on hold but is planning for a workshop with the following objectives:

- To present research and development work in participating countries
- To identify areas of common interest
- To identify possible collaboration activities

All ExCo members were asked to contact country experts interested in participating in the workshop.

Annex XV (Industrial Excess Heat Recovery) is working according to plan and the current Subtasks will be completed this year with the following results:

- Synthesis report on findings in the projects included in the Task as well as reported in literature, divided into the five subtasks,
- Report on discussion points and findings in the workshops included in the Task (to be included in the synthesis report),
- Recommendation for further work internationally (to be included in the synthesis report),
- Report from each participant project (one or more per country).
- Dissemination activities in each participating country.

In this Annex (then Task) planning for a continuation is ongoing.

Task XVII (Membrane processes in biorefineries) is working according to plan with numerous participants from both industry and academia/institutes. Highlighted activities: Subtask B – Integration and optimisation (ITM-CNR):

- Mapping of the state-of-the art (ongoing).
- Subtask E – Emerging membrane processes (AEE)
 - Online Survey (completed)
 - Development of Guidelines (ongoing)

Task XVIII (Digitalization, Artificial Intelligence and Related Technologies for Energy Efficiency and GHG Emissions Reduction in Industry) is planning for three new Subtasks. The Final Report from Subtask 1 was approved by written procedure 13 September. Proposals for two of the new Subtasks were presented and approved by ExCo:

- Methods and Applications of Digital Twins
- Lessons Learned and Created Values by Digitalization

Task XIX (Electrification in Industry) presented a proposal for a new Subtask, “Enabling a shared view on system aspects of industrial electrification”, which will be subject for approval by ExCo. The objective of the Subtask is to build and strengthen the international ecosystem of industrial electrification with a focus on system impacts.

Task XX (Knowledge sharing on Industry Transition Roadmaps) is progressing. Interviews are held with national experts in order to:

- Understand the national industry context
- Collect roadmapping experience and practices
- Identify roadmapping needs

Results and conclusions will be presented at the next ExCo meeting.

Task XXI (Decarbonizing industrial systems in a circular economy framework) are working on clarifying and narrowing down the scope as well as collecting participants. The current Subtasks are:

Circular Carbon

- Modelling, in cooperation with ETSAP
- Carbon capture in industry
- Bioenergy, in cooperation with Task XI

Industrial Symbiosis

- Definition and delimitation
- Good practice examples
- Business Models
- Awareness raising and incentives

Net Zero Industries is an initiative that is being developed within Mission Innovation. This mission will ensure that by 2030 there is a suite of technical solutions available that are sufficiently proven to facilitate the full decarbonization of heavy industries in multiple regions of the world, by 2050. The IETS TCP is discussing to start an activity on “Experiences of large projects for decarbonization” to collaborate with this mission.

National Renewable Energy Laboratory (NREL), US has accepted the invitation as sponsor for participation in Task XIX Electrification in industry.

Collaboration with other TCPs is important. The TCP Universal meeting, hosted by IEA 26-28 October, was dedicated to collaboration. At the ExCo, Chair, Vice Chairs and the Secretariat

reported about contacts with a number of relevant TCPs. There will also be a joint online workshop with the Greenhouse Gas TCP on CCUS and BECCS in process industry, preliminary on 1 March. Joint Task workshops (Task XX and Task XXI) are also discussed with the ETSAP TCP.

National Support Groups (NSG), consisting of national experts in each member country, are important to the IETS TCP. A first international workshop, gathering representatives from all NSGs, was held in October.

The following Topic Sheet will be produced:

Industrial Excess Heat - based on report from Task 3 in Annex XV, which will be published early next year.

Election of Chair and Vice Chairs

Chair Thore Berntsson, Sweden, was re-elected. Clemente Pedro Nunes, Portugal, and Eric Soucy, Canada, were re-elected as Vice Chairs.

The next IETS ExCo meeting will be held in May, date and venue TBD.

SUMMARY OF THE WORKSHOP: “UPDATED TASK MANAGEMENT GUIDELINES AND OTHER TEMPLATES”

The adoption of a new legal text for the IETS TCP has (approved in February) – based on the new IEA Framework for the Technology Collaboration Programme has entailed a shift in terminology for the Annex/Task work and also some changes in procedures for starting Tasks/Subtasks and organizing participation. Thus, the Task Management Guidelines and related templates have to be updated accordingly.

At this workshop, the IETS Secretariat presented updated draft Task Management Guidelines and asked for comments and suggestions for improvements. These guidelines contain practical information for starting, running a and reporting a Task as well as included Subtasks.

Drafts of the following templates were also up for discussion:

- Template for Task proposal
- Template for Subtask proposal
- Template for Executive Summary

When finalized, the Task Management Guidelines and templates will be distributed to all Task Managers and also posted at the website.