

## **IEA End-Use Working Party Webinar on Deep Decarbonization in Industry**

**Participants:** EUWP delegates and TCP representatives

**Time:** 9 and 10 December 2020, 14.00-17.00 (CET)

**Online platform:** Link will be distributed to registered participants

Deep decarbonization in industry has been identified as one of the major areas for reaching the climate goals. This was highlighted in the IETS international expert workshop in Vienna, October 2019. The main aim of this digital workshop is to identify areas for more close collaboration between TCPs. It consists of the following parts:

- Presentation of major Swedish programmes and projects
- Discussion about opportunities for collaboration between TCPs

### **Programme 9 December – major Swedish activities**

**14.00 Welcome and housekeeping**

*Thore Berntsson, Chair of the IETS TCP*

**Introductory speech**

The Swedish Energy Transition in the Industrial Sector

*Klara Helstad, Head of the sustainable industry unit, Swedish Energy Agency*

**14.20 Major Swedish projects and activities in five main areas (as identified in the Vienna workshop) (15 min presentation and 10 min discussion in each area):**

Carbon Capture and Storage from fossil (CCS) and biogenic (BECCS) feedstocks and fuels  
*Filip Johnsson, Professor, Chalmers University of Technology*

Industrial Biorefineries for Production of Biofuels, Materials and Chemicals

*Mats Larsson, Research Programme Manager, Biofuels and Industry, Swedish Energy Agency*

Electrification in Industry

*Anna-Karin Jannasch, Senior Researcher, RISE Research Institutes of Sweden*

Digitalization and AI for Energy Efficiency and GHG Mitigation in Industry

*William Mackintosh, Project Manager/Senior Scientist, RISE Research Institutes of Sweden*

System Aspects and Industrial Symbiosis

*Simon Harvey, Professor, Chalmers University of Technology, Sweden*

Discussion

*Chair: Thore Berntsson*

**17.00 End of day 1**

## Programme 10 December – Collaboration between TCPs, “speed dating”

### 14.00 Welcome and housekeeping

*Paulo Partidário, EUWP Vice Chair for Industry and Per-Anders Widell, EUWP Secretary*

### Presentation of the IEA Iron and Steel Technology Roadmap

*Hana Mandova, Energy Analyst, and Tiffany Vass, Energy & Industry researcher, IEA Secretariat*

### Results and suggestions from the Vienna workshop

*Thore Berntsson, Chair of the IETS TCP*

### 14.35 Discussion about collaboration in the five areas (including short break):

#### Carbon Capture and Storage from fossil (CCS) and biogenic (BECCS) feedstocks and fuels

- Short presentations on activities in IETS and other TCPs
- Discussion

#### Industrial Biorefineries for Production of Biofuels, Materials and Chemicals

- Short presentations on activities in IETS and other TCPs
- Discussion

#### Electrification in Industry

- Short presentations on activities in IETS and other TCPs
- Discussion

#### Digitalization and AI for Energy Efficiency and GHG Mitigation in Industry

- Short presentations on activities in IETS and other TCPs
- Discussion

#### System Aspects and Industrial Symbiosis

- Short presentations on activities in IETS and other TCPs
- Discussion

Each area 25 min. TCP representatives and IETS Annex Managers will be invited to show 2-3 slides related to the area in question. The result will hopefully be concrete aspects to discuss further between TCPs. This is a rather tight schedule but a good opportunity to identify collaboration possibilities.

### 16.50 Final discussion and suggestion for further work

### 17.15 End of workshop

To participate in the webinar, please send an email to [helene.johansson@chalmersindustriteknik.se](mailto:helene.johansson@chalmersindustriteknik.se) at the IETS Secretariat on 2 December at the latest.

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#### **About the TCP on Industrial Energy-Related Technologies and Systems (IETS TCP)**

Founded in 2005, the IETS TCP is dealing with new industrial energy technologies and systems. Our mission is to foster international cooperation among OECD and non-OECD countries for accelerated research and technology development of industrial energy-related technologies and systems. In doing so, we seek to enhance knowledge and facilitate deployment of cost-effective new industrial technologies and system layouts that enable increased productivity and better product quality while improving energy efficiency and sustainability.

Through our activities, we will increase awareness of technology and energy efficiency opportunities in industry, contribute to synergy between different systems and technologies, and enhance international cooperation related to sustainable development.

The IETS TCP is part of a network of autonomous collaborative partnerships focused on a wide range of energy technologies known as Technology Collaboration Programmes or TCPs. The TCPs are organised under the auspices of the International Energy Agency (IEA), but the TCPs are functionally and legally autonomous.