

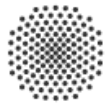
VTT

Transformation pathways of the industry sector

Workshop 26th November 2025, Espoo

Markus Blesl, IER, Germany
Anna Krook-Riekkola, LTU, Sweden
Tiina Koljonen, VTT, Finland

03/12/2025 VTT – beyond the obvious



Universität Stuttgart

IER Institut für Energiewirtschaft und Rationelle
Energieanwendung



Program

Time	Local time, EET
09:00	Introduction – Tiina Koljonen, VTT
09:15	Towards fossil-free industry: Case of Finland, Antti Lehtilä, VTT, Finland
09:45	Efficient reliability through intelligent system integration, Fabian Shipfer, IEA Bioenergy Task 44, IIASA, Austria
10:15	From Now to Next: Rethinking Nordic Cross-border Supply Chains amid a Green Industrial Shift - Insights from the Man0EUvre project, Vivek K. Yadav, Jonas Forsberg and Anna Krook-Riekkola, LTU, Sweden
10:45	Coffee Break
11:00	Investment needs in CCU and CCS in industry – which way to proceed? Kati Koponen, VTT, Finland
11:30	CO ₂ reduction in the cement industry: the role of alternative building materials and CCS- IER, Markus Blesl, IER, Germany
12:00	Discussion
12:30	Wrap-up of the results

IEA ETSAP collaboration

The focus areas of the three workshops are:

- Contribution of circular economy and material efficiency to the decarbonization in the global energy system
- Future of critical raw materials: Security of Supply for Lithium-ion batteries
- Transformation pathways of the industrial sector

Workshop series

- 1st workshop on 5th June 2025 in Stuttgart, Germany

Contribution of Circular Economy and Material Efficiency in the global Energy System

- 2nd workshop on 26th November 2025 in Espoo, Finland

Transformation pathways in the industrial sector

- 3rd workshop on 28th January 2026 in Luleå, Sweden

Future of Critical raw materials in energy transition

Some experiences to model material efficiency and circular economy in Finland

- Input-output EnvimatScen model by the Finnish Environment Institute softlinked with TIMES-VTT
- Modelling of all the material, energy, emission, and money flows in our national economy

