



Open ENTRANCE Final conference

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SINTEF Energy Research



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Agenda 10:00 – 15:00



- **Introduction**

- ***Workshop objectives***, Petter Støa, SINTEF Energy Research
- ***The Open ENTRANCE project at glance***, Coordinator Ingeborg Graabak, SINTEF Energy Research

- **Decarbonisation of the European energy system**

- ***Decarbonisation scenarios European countries 2050*** , Konstantin Löffler, EUF
- ***Macro-economic analyses of the European energy transition*** , Hettie Boonman, TNO
- ***Case studies about specific challenges of the energy transition*** Sandrine Charousset, EDF

- **12.30 – 13.30 LUNCH BREAK**

- **The Open Modelling Platform**

- ***About The Open Modelling Platform***, Daniel Huppmann, IIASA
- ***Experience from use of The Open Platform***, Luis Olmos, Comillas,
- ***Further use of The Open Platform in new projects***, Pedro Crespo del Granado, NTNU and Luis Olmos, Comillas

- **Concluding remarks**

- ***Comments from the Commission***, t.b.d
- ***Conclusions from the project*** , Hans Auer TU Wien and Ingeborg Graabak SINTEF Energy

Workshop objectives

1. To present the final results from Open ENTRANCE
2. To make it possible to ask questions and to some degree discuss the final results
3. To make the Consortium visible for the attendees in case of further questions or follow up activities

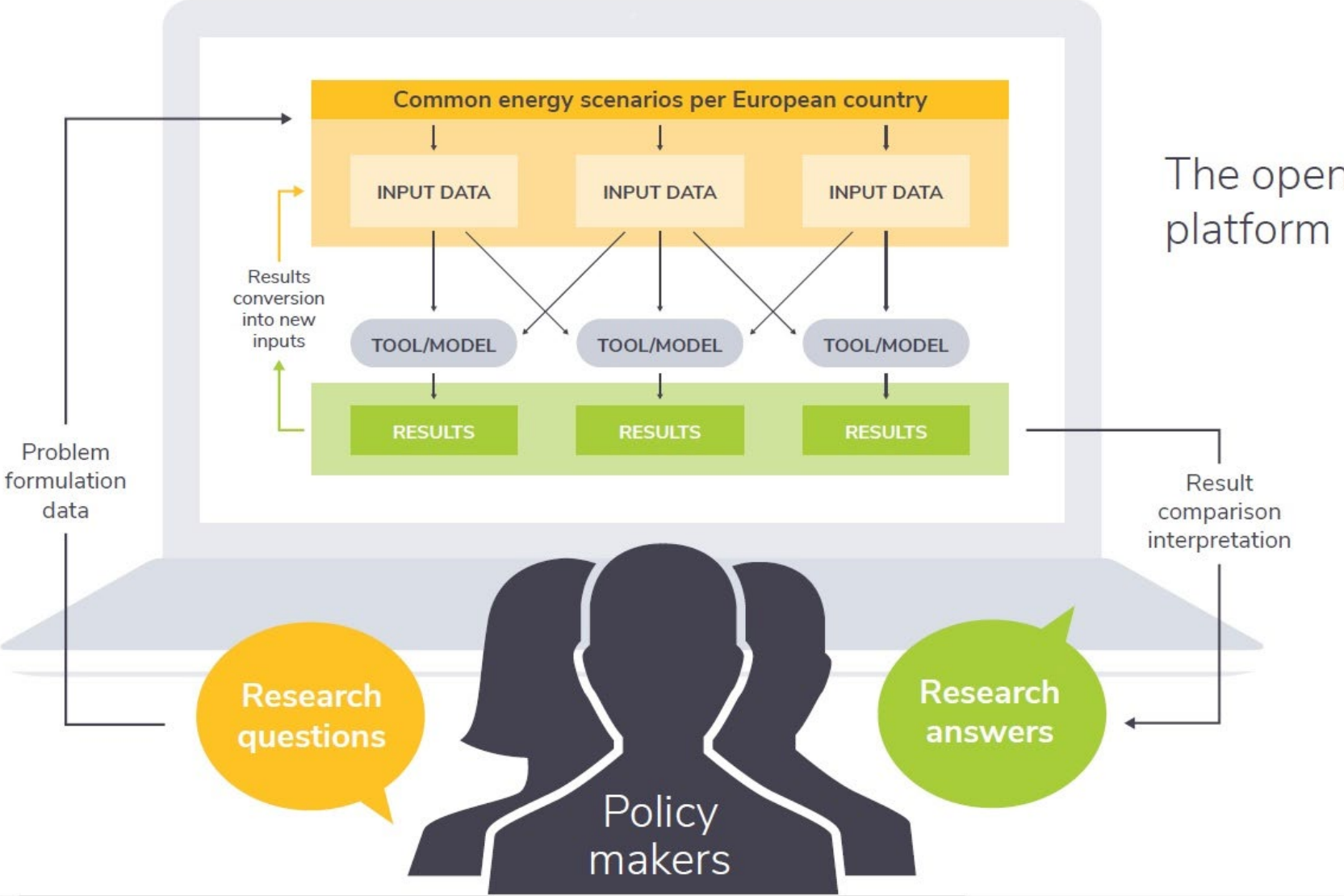


openENTRANCE aim

- Aim: to **develop, apply and disseminate an open, transparent and integrated modelling platform** designed to **assess low-carbon transition pathways in Europe**
- Project period: 2019-2023
- 13 partners
- Budget 5 million Euro



Concept



Target groups



1. Energy and climate policy and decision makers at pan-European, national and regional level
2. Other energy modelling groups and users of models for analyses of the transition of the energy system to a low-carbon future.

Main results achieved

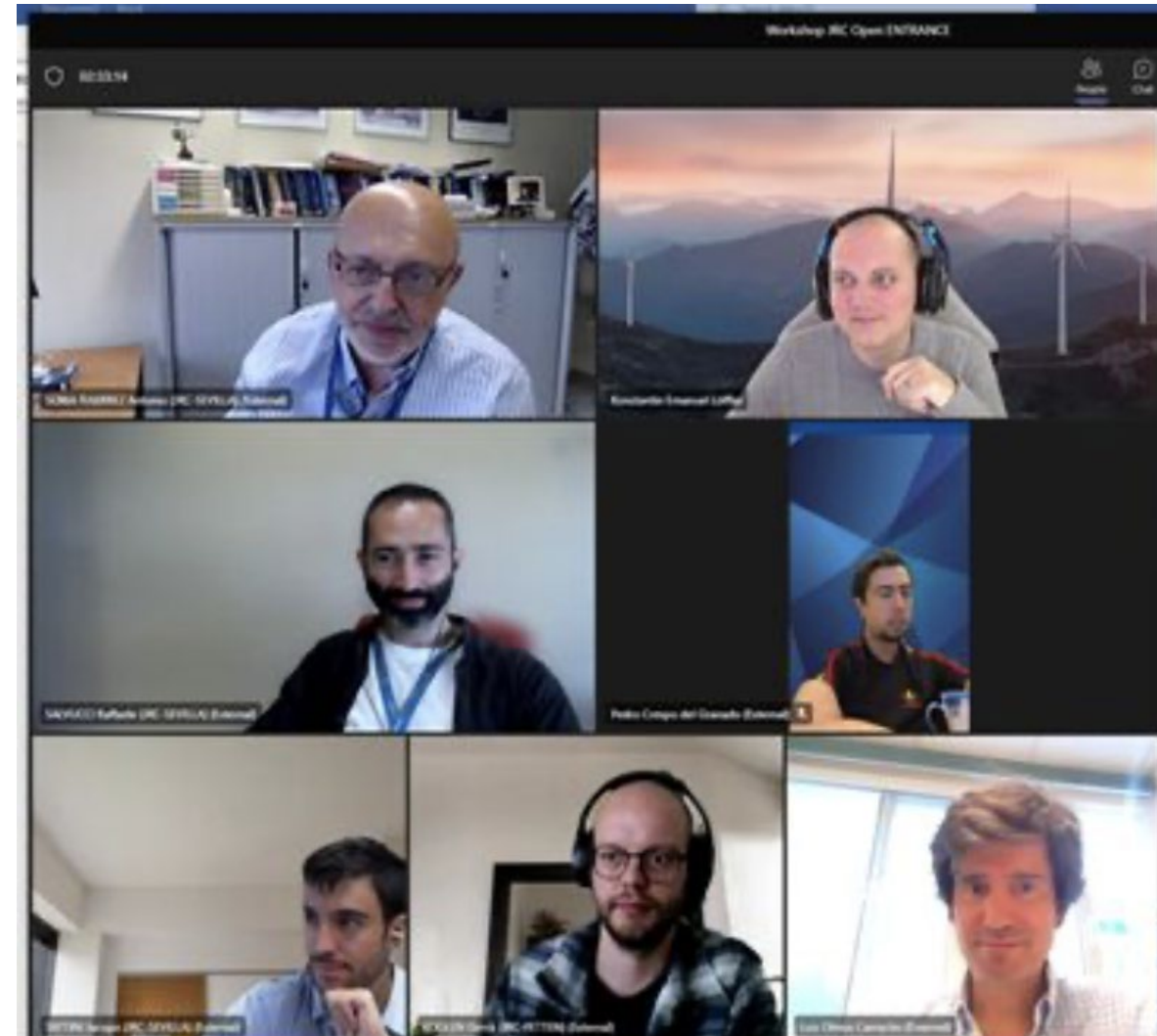
- Development of The Open Platform:
 - Scenario Explorer
 - Common data format and nomenclature
 - Open models
 - Linked models
 - Open data sets
 - Open tools
 - Separate web page
- Application of The Open Platform
 - Scenario analyses
 - Macro-economic analyses
 - Case studies
- Dissemination



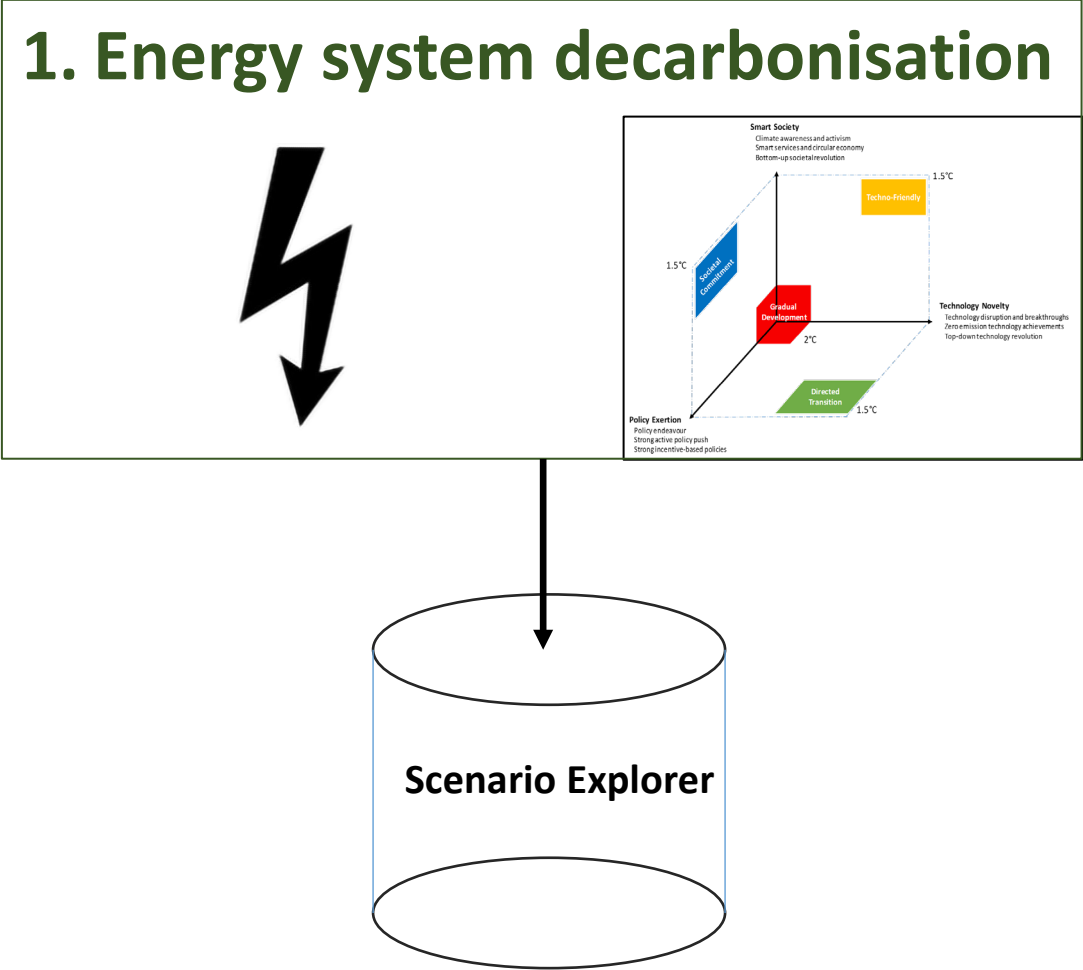
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Dissemination to the target groups



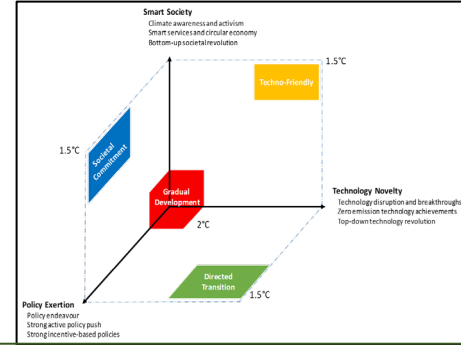
The Open Energy System Modelling Platform



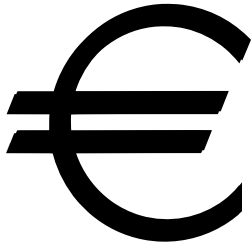
The Open Energy System Modelling Platform



1. Energy system decarbonisation



2. Macro-economic studies



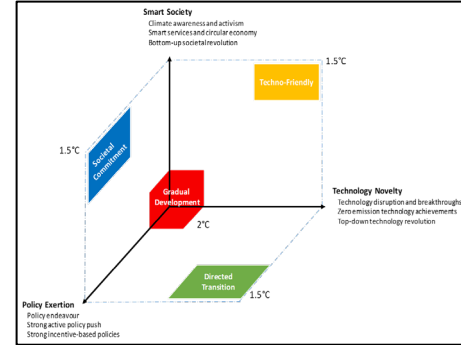
Scenario Explorer



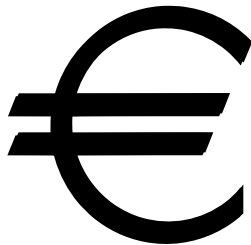
The Open Energy System Modelling Platform



1. Energy system decarbonisation

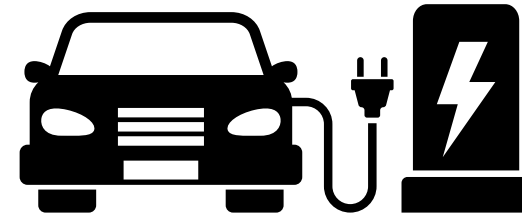


2. Macro-economic studies

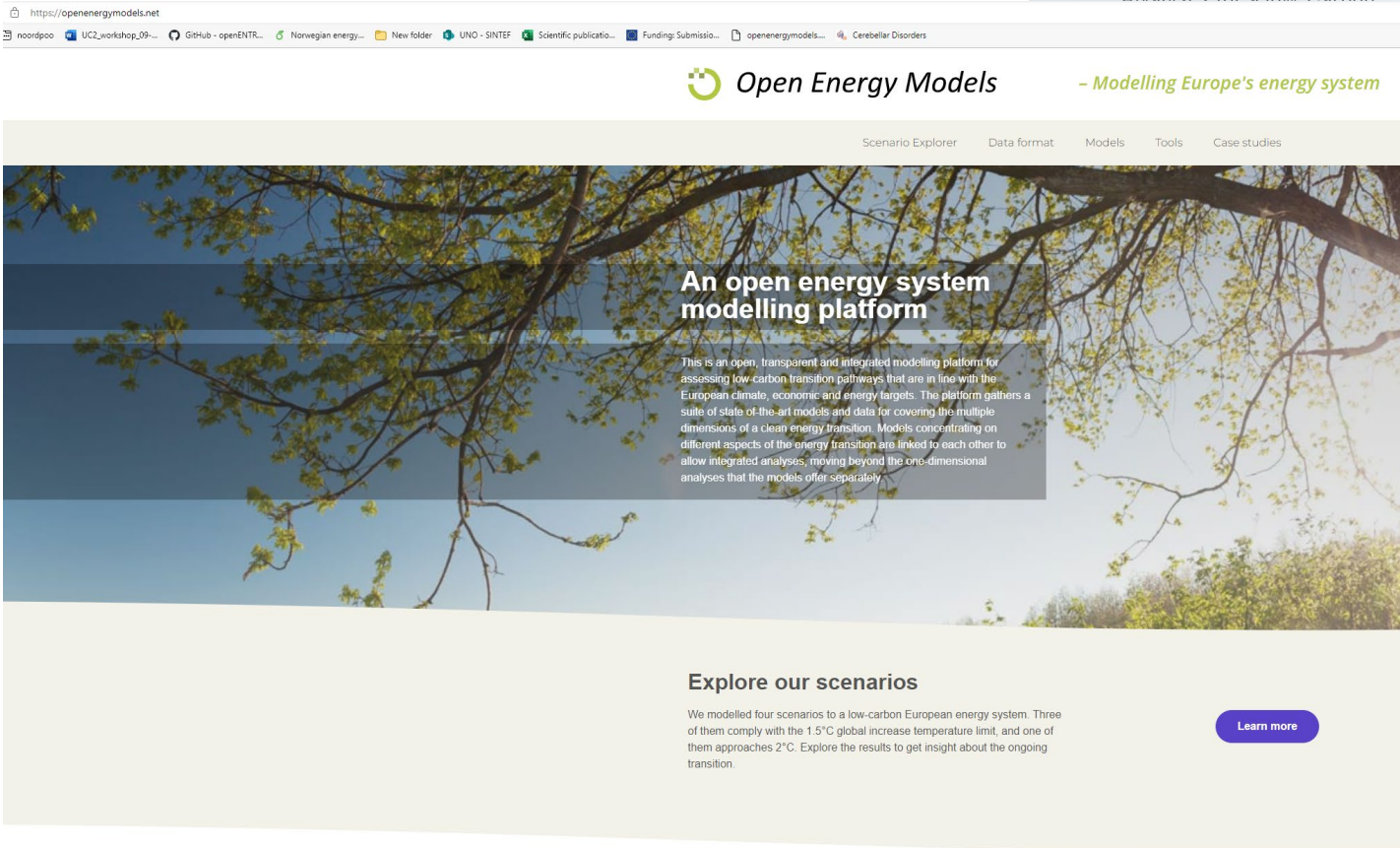
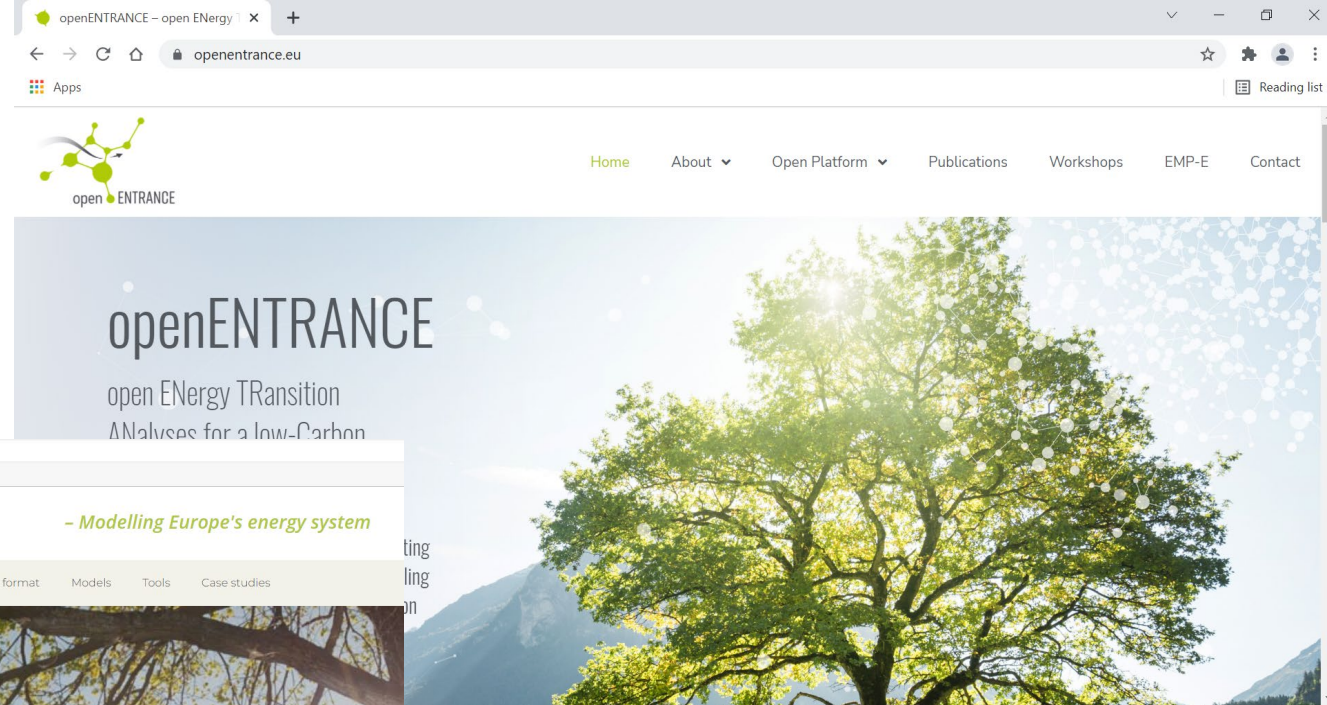


Scenario explore

3. Case studies



Open ENTRANCE online



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@open_ENTRANCE

Open ENTRANCE partners



- TU Wien, Austria
- IIASA, Austria
- EUF, Germany
- EDF, France
- Comillas, Spain
- KHAS, Turkey
- NTNU, Norway
- Energy Institute, Austria
- Fraunhofer, Germany
- TNO, The Netherlands
- DIW Berlin, Germany
- DTU Denmark
- SINTEF Energi, Norway

Management team