



Workshop

Scenarios for Low-Carbon Futures of the European Energy System

Energy transition policies, comparing pathways results, and open models-data for scenario analyses

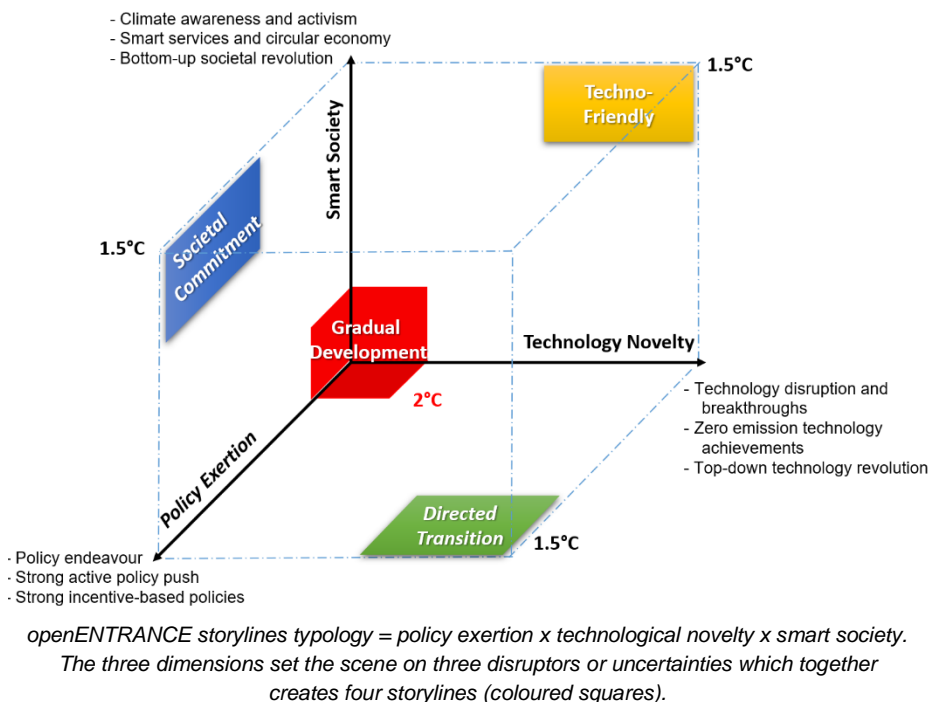
Online, Thursday March 4th, 2021
12:30 pm to 4:15 pm

More information and registration:
<https://bit.ly/3oRZxjs>



Low-Carbon Futures of the European Energy System

Latest analyses on energy transition scenarios for Europe envision climate neutrality by 2050. The road or pathway to decarbonize the energy system will be driven by a combination of factors and synergies between technological development, policy exertion, and societal attitudes. In the openENTRANCE project, we have developed an original set of storylines to inspire modelers, policy makers, industry actors, and the public to understand: If there are no major technological developments in the next decades, to what extent can we rely on societal commitment and stronger cooperation within the EU? What technological innovations (e.g. CCS, hydrogen, and others) could have the major impact to an effective European energy transition? In this workshop, these and other questions will be discussed vis-à-vis with other scenarios studies to identify similarities of pathway results (robust findings), understand differences and elaborate on consolidated findings in terms of relevance to latest EU strategies (e.g., the SET Plan and Green deal).



Workshop objectives

- Discuss on formulating and defining key storylines of low carbon futures for Europe
- Compare European Pathways studies on how the results relate to the continuation of the SET-PLAN and the National Energy and Climate Plans. Are the Green Deal policies sufficient for reaching 1.5/2.0 degrees targets in the longer term?
- Present sector or perspective specific on pathways realization: Macroeconomics impacts and others.

Workshop program and organization

The workshop is organized by the openENTRANCE project (<https://openentrance.eu/#>) together with SUPEERA (<https://www.supeera.eu/>). It is a half-day workshop arranged in two main parts:

- **Part I:** Consists of a detailed presentation of the openENTRANCE scenarios results along with other scenario studies. Part I also includes a comparison exercise between the various scenario studies which is then followed up by a panel discussion.
- **Part II:** The workshop examines the use of the pathways for sector or perspective specific analysis: macro-economic implications and pathways realization.

The workshop is entirely online with some 'get-together' watch parties organized by openENTRANCE partners in their respective countries (subjected to Covid-19 conditions).

The workshop is open! To attend the workshop, please register at <https://bit.ly/3oRZxjs> There you will also find further information about the workshop and the openENTRANCE project.

Workshop chairs and organizers: Dr. Pedro Crespo del Granado, Prof. Dr. Hans Auer, and Dr. Ingeborg Graabak. For more details or questions email: pedro@ntnu.no and auer@eeg.tuwien.ac.at

Program

Scenarios for Low-Carbon Futures of the European Energy System



12:30 pm Welcome and workshop objectives,
Dr. Petter Støa (SINTEF) and Dr. Pedro Crespo del Granado (NTNU)
The openENTRANCE project at glance, *Dr. Ingeborg Graabak (SINTEF)*

Part I: Energy Transition Scenarios: What policy options, societal attitudes, and technology developments will realize the EU Green Deal?

12:45 pm The openENTRANCE Scenarios for Low Carbon Futures of the pan-European Energy System, *Prof. Dr. Hans Auer (TU Vienna)*

1:10 pm Relevance of the scenarios for the National Energy and Climate Plans and the design of the Green Deal policies based SUPEERA/European Energy Research Alliance work, *Dr. Ivan Matejak (EERA), Tiina Koljonen, Research Team Leader (VTT)*

1:35 pm Pathways comparison: what other climate neutral pathways say? robust recommendations and inputs to the Green Deal, *Karlo Hainsch and Konstantin Löffler (TU-Berlin)*

2:00 pm Panel discussion:

- *Dr. Sebastian Busch, European Commission*
- *Tiina Koljonen, Research Team Leader, VTT*
- *Prof. Dr Hans Auer, TU Vienna*
- *Dipl.-Ing. Marlene Petz, Austrian Power Grid AG, System Adequacy Expert/ENTSO-E Modelling Team Member*

Break

Part II: Pathways realization from a Macroeconomic perspective

3:00 pm Cooperation in The European Energy Transition: Impacts to The Economy and The Role of Carbon Price Policies
Dr. Paolo Pisciella (NTNU) and Thorsten Burandt (TU-Berlin)

3:20pm Insights on socioeconomic, industrial, and distributional impacts of EU decarbonisation policies (perspectives from the H2020 INNOPATHS and NAVIGATE projects)
Dr. Panagiotis Fragkos (E3-Modelling)

3:40 pm Panel discussion and questions

- *Hector Pollitt, Director and Chief Economist, Cambridge Econometrics*
- *Dr. Panagiotis Fragkos, E3-Modelling*
- *Dr. Paolo Pisciella, NTNU*

4:10pm Closing and final remarks, *Dr. Petter Støa (SINTEF)*

open End Get-Together, Discussions in our Breakout Rooms via virtual avatars.