

AGENDA

Decarbonising the EU energy system: evaluating decentralised vs. centralised pathways

Final Conference

Thursday 21st of March, 2019

Venue: CEPS, 1 Place du Congrès, 1000 Brussels

The event is free of charge, but requires registration. Click [here](#) to register.

All speakers are confirmed unless otherwise indicated.

9:00 – 9:30	COFFEE & REGISTRATION
9:30 – 11:10	SESSION I: Innovation in Energy
9:30 – 9:45	Welcome & intro to SET-Nav – Gustav Resch/Marijke Welisch , TU Wien
9:45 – 10:10	Introduction by Kostis Sakellaris , DG CLIMA, European Commission
10:10 – 10:35	SET-Nav Pathways towards decarbonisation – decentralised vs centralised, entrenchment vs cooperation – Pedro Crespo del Granado , NTNU
10:35 – 10:55	Into an uncertain future for energy innovation: ensuring balance, consistency and alignment in the EU's SET Plan – Yeong-Jae Kim , University of East Anglia
10:55 – 11:20	Discussion among panellists. Moderated by Christian Egenhofer , CEPS
11:20 – 11:40	COFFEE BREAK
11:40 – 13:20	SESSION II: Demand trends
11:40 – 12:00	Energy demand in buildings, industry and transport - what happens to natural gas and electricity in a low-carbon Europe? - Michael Hartner , TU Wien
12:00 – 12:20	Decarbonising demand in the transport sector – Stephanie Heitel , Fraunhofer ISI
12:20 – 12:40	Decarbonising industry: extending the scope of mitigation options – Andrea Herbst , Fraunhofer ISI
12:40 – 13:20	Discussion – discussants to be identified. Moderated by Christian von Hirschhausen , DIW Berlin

13:20 – 14:20	LUNCH
14:20 – 16:10	SESSION III: Infrastructure and supply
14:20 – 14:40	Will electrification save the day? Challenges for deep decarbonisation – Frank Sensfuss , Fraunhofer ISI
14:40 – 15:00	A new super-grid to support the energy transition? – Andrés Ramos , Comillas
15:00 – 15:15	The role of gas in the energy transition – Peter Kotek , REKK
15:15 – 15:30	The role of CCS and nuclear power – Franziska Holz & Christian von Hirschhausen , DIW Berlin
15:30 – 15:45	The macroeconomic impacts of the SET-Nav pathways - Arnaud Fougeyrollas , SEURECO
15:45 – 16:15	Discussion – discussants to be identified. Moderated by Milan Elkerbout , CEPS
16:15 – 16:30	WRAP-UP & CLOSING REMARKS
16:15 – 16:30	Closing remarks – Gustav Resch , TU Wien
16:30 – 17:00	LIGHT REFRESHMENTS

SET-Nav at a glance

SET-Nav will support **strategic decision making** in Europe's energy sector, enhancing innovation towards a **clean, secure** and **efficient energy system**. Our research will enable the EC, national governments and regulators to facilitate the development of optimal technology portfolios by market actors. We will comprehensively address critical uncertainties and derive appropriate policy and market responses. Our findings will support the further development of the SET-Plan and its implementation by continuous stakeholder involvement.

These contributions of the SET-Nav project rest on three pillars:

The wide range of objectives and analytical challenges set out by the call for proposals can only be met by developing a broad and technically-advanced **modelling portfolio**. Advancing this portfolio and enabling knowledge exchange via a modelling forum is our first pillar.

The EU's energy, innovation and climate challenges define the direction of a future EU energy system, but

the specific **technology pathways** are policy sensitive and need careful comparative evaluation. This is our second pillar. Using our strengthened **modelling capabilities** in an integrated modelling hierarchy, we will analyse multiple dimensions of impact of future pathways: **sustainability, reliability** and **supply security, global competitiveness** and **efficiency**. This analysis will combine bottom-up 'case studies' linked to the full range of SET-Plan themes with holistic 'transformation pathways'.

Stakeholder dialogue and **dissemination** is the third pillar of SET-Nav. We have prepared for a lively stakeholder dialogue through a series of events on critical SET-Plan themes. The **active involvement** of stakeholders in a two-way feedback process will provide a reality check on our modelling assumptions and approaches, and ensure high policy relevance. Our aim is to ensure policy and market actors alike can navigate effectively through the diverse options available on energy innovation and system transformation.

SET-Nav partners

No	Participant Name	Country Code
1	Vienna University of Technology, Energy Economics Group (<i>TU Wien</i>)	AT
2	Fraunhofer-Institut für System- und Innovationsforschung (<i>Fraunhofer ISI</i>)	DE
3	Deutsches Institut für Wirtschaftsforschung (<i>DIW Berlin</i>)	DE
4	Norges teknisk-naturvitenskapelige universitet i Trondheim (<i>NTNU</i>)	NO
5	Stiftelsen SINTEF (<i>SINTEF</i>)	NO
6	Société Européenne d'Économie (<i>Seureco</i>)	FR
7	Universidad Pontificia Comillas (<i>Comillas</i>)	ES
8	National Technical University of Athens (<i>NTUA</i>)	GR
9	Regional Center for Energy Policy Research (<i>REKK</i>)	HU
10	Centre for European Policy Studies (<i>CEPS</i>)	BE
11	University of East Anglia (<i>UEA</i>)	UK
12	Eidgenössische Technische Hochschule Zürich (<i>ETH</i>)	CH
13	Axpo Services AG (<i>Axpo</i>)	CH
14	International Institute for Applied Systems Analysis (<i>IIASA</i>)	AT
15	M-Five GmbH Mobility, Futures, Innovation, Economics (<i>M-Five</i>)	DE