

AGENDA

Revitalising the SET-Plan: The Role of Innovation in Transforming the Energy System

“SET-Nav Stakeholder Dialogue Kick-Off Event”

Wednesday, 28th September 2016, 1pm

Venue: CEPS, Place du Congrès 1, 1000 Brussels

Tel.: +32 (0) 2 229 39 11

Email: eleanor.drabik@ceps.eu

The SET-Nav (www.set-nav.eu) project has the overarching goal of supporting strategic decision making in Europe’s energy sector, enhancing innovation towards a clean, secure and efficient energy system, financed by the European Commission’s EU Horizon 2020 programme.

The project aims to enable the European Commission, national governments and regulators to facilitate the development of optimal technology portfolios by market actors. It will comprehensively address critical uncertainties and derive appropriate policy and market responses. The findings will support the further development of the Strategic Energy Technology Plan (SET-Plan) and its implementation by continuous stakeholder involvement.

The contribution of the SET-Nav project rests on three pillars:

1. Expanding the technically-advanced modelling portfolio and enabling knowledge exchange via a modelling forum.
2. The careful comparative evaluation of the impact of multiple future technology pathways that are policy sensitive.
3. The development of stakeholder dialogue and dissemination to ensure policy and market actors alike can navigate effectively through the diverse options available on energy innovation and system transformation.

AGENDA

| | |
|--|---|
| 13:00 - 14:00 | Registration of participants and a light lunch |
| 14:00 - 15:30 | SESSION I: Introduction to the project |
| <p>This session will provide an introduction and an overview of the SET-Nav project that started in April 2016 as well as an introduction to the EU Horizon 2020 programme, under which the project is co-funded. The findings of the project are intended to support the further development of the SET-Plan, which aims to accelerate the development and deployment of low-carbon technologies. Thus, this session will also present the SET-Plan to provide a background to the motive of the project.</p> | |
| 14:00 - 14:05 | Welcome by Arno Behrens , Head of Energy, CEPS Energy Climate House |
| 14:05 - 14:20 | Introduction to the EU Horizon 2020 programme and the SET-Plan, Henrik Dam , Policy Officer, DG Energy, European Commission |
| 13:20 - 14:35 | Overview of the SET-Nav project, Gustav Resch , Senior Researcher, Vienna University of Technology and Daniel Huppmann , Research Scholar, IIASA |
| 14:35 - 14:45 | Pathway development from a stakeholder's perspective, Claus Huber , Axpo |
| 14:45 - 14:55 | Representative of the REEEMS projects (tbc) |
| 14:55 - 15:15 | Stakeholder involved Q&A and concluding remarks by the chair |
| 15:15 - 15:30 | COFFEE BREAK |
| 15:30 - 16:45 | SESSION II: An innovation systems perspective to inform the SET-Plan |
| <p>The transformation of Europe's energy system requires solutions and policies informed by systemic analysis and energy innovation. A systemic perspective on innovation emphasises that innovation stages and processes like R&D and market diffusion are supported by a broader innovation environment comprising knowledge, actors & institutions, resources, and adoption & use.</p> <p>This session will host a panel of experts from policy, academia and industry to discuss the policy brief on energy innovation systems and the SET-Plan, which uses a systemic perspective on energy innovation to provide recommendations for the SET-Plan. There will be the chance for a discussion at the end.</p> | |
| 15:30 - 15:35 | Introduction by the chair |
| 15:35 - 15:45 | Presenting the policy briefing: "Innovation Systems and the SET-Plan", Charlie Wilson , Lecturer and Researcher, Tyndall Centre for Climate Change Research, University of East Anglia |
| 15:45 - 15:55 | Representative to provide academic perspective (tbc) |
| 15:55 - 16:05 | Representative to provide industry perspective (tbc) |
| 16:05 - 16:15 | Shane Thomlinson , Director, E3G |
| 16:15 - 16:40 | Discussion and stakeholder involved Q&A |
| 16:40 - 16:45 | Concluding remarks by the chair |
| 16:45 | END OF THE WORKSHOP |

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</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 for industriell og teknisk forskning ved NTH (<i>Sintef</i>) | NO |
| 6 | Société Européenne d'ECONomie (<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 | General Electric (<i>GE</i>) | CH |
| 15 | International Institute for Applied Systems Analysis (<i>IIASA</i>) | AT |