SET-Nav
Strategic Energy Roadmap

NAVIGATING THE ROADMAP FOR CLEAN, SECURE AND EFFICIENT ENERGY INNOVATION

AGENDA

Europe's gas infrastructure needs towards 2050: which projects of common interest should be prioritised?

Thursday, **28th September 2017**, **10am**

Venue: CEPS, Place du Congrès 1, 1000 Brussels
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Please note that participation in this Event is free of charge but **requires registration:**
→ **Please visit** https://www.ceps.eu/civicrm/event/register?id=1270&reset=1

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.

Several bottom-up case studies are assessed as part of the project, defined to deal with definitive policy related questions of technology development in specific fields. This workshop will present results from the case study on *Projects of Common Interest and gas producers pricing strategy*.

Achieving deep decarbonisation policies for the energy system might require modifications to Europe's gas network. Strengthening and diversifying the connections to major suppliers as well as investing in LNG capacity could be instrumental to reduce supply risk. This, coupled with the fact that more variable renewables are entering the system, thus, flexibility is increasingly required. Some of that flexible capacity is likely to be provided by Gas Turbines, therefore, the relative location of gas demand should be incorporated into the planning for gas infrastructure upgrades.

In this workshop, a list of projects of common interest is discussed and analysed by using different modelling approaches. Outputs include a top down priority list of PCIs in order to avoid spending on underutilised or stranded infrastructure as well as recommendations for optimal use of gas networks and measurements of country-specific price vulnerability against gas producers' market power.

The research aims to answer the following questions:

1. What will be Europe's gas infrastructure needs?
2. What are the gas infrastructure projects that should be prioritised?
3. How vulnerable will Europe be to the suppliers' pricing strategy?

9:30 - 10:00	***REGISTRATION***
10:00 - 10:35	**SESSION I: INTRODUCTION AND KEYNOTE SPEECH**
10:00 - 10:05	Welcome by **Eleanor Drabik**, CEPS
10:05 - 10:15	Welcome and Overview of the SET-Nav project by **Marijke Welisch**, TU Wien
10:15 - 10:35	Keynote speech by **Adam Romanowski**, DG Energy, European Commission
10.35 - 10.45	Q&A
10:45 - 11:00	***COFFEE BREAK***
11.00 - 12:45	**SESSION II: MODEL-BASED EVALUATION OF PCI GAS INFRASTRUCTURE**
11:00 - 11:05	Introduction by chair, **Arno Behrens**, CEPS
11.05 - 11.35	Presentation of the policy briefing by: **Péter Kotek**, Senior Research Associate, REKK; **Pedro Crespo del Granado**, Postdoctoral Fellow, NTNU
11.35 - 11.45	Comments by **Celine Heidrecheid**, ENTSOG
11.45 - 11.55	Comments by **Boyko Nitzov**, ACER
11:55 - 12:40	Open discussion and Q&A
12:40 - 12.45	Concluding remarks by **Arno Behrens**
12:45	**END OF THE WORKSHOP FOLLOWED BY LUNCH**

SET-NAV DURATION: April 2016 - March 2019
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WEBSITE: http://set-nav.eu/
CONTACT EMAIL: contact@set-nav.eu

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 *(TU Wien)*	AT
2	Fraunhofer-Institut für System- und Innovationsforschung *(Fraunhofer)*	DE
3	Deutsches Institut für Wirtschaftsforschung *(DIW Berlin)*	DE
4	Norges teknisk-naturvitenskapelige universitet i Trondheim *(NTNU)*	NO
5	Stiftelsen for industriell og teknisk forskning ved NTH *(Sintef)*	NO
6	Société Européenne d'ECOnomie *(Seureco)*	FR
7	Universidad Pontificia Comillas *(Comillas)*	ES
8	National Technical University of Athens *(NTUA)*	GR
9	Regional Center for Energy Policy Research *(REKK)*	HU
10	Centre for European Policy Studies *(CEPS)*	BE
11	University of East Anglia *(UEA)*	UK
12	Eidgenössische Technische Hochschule Zürich *(ETH)*	CH
13	Axpo Services AG *(Axpo)*	CH
14	General Electric *(GE)*	CH
15	International Institute for Applied Systems Analysis *(IIASA)*	AT
16	M-Five GmbH Mobility, Futures, Innovation, Economics *(M-Five)*	DE