

Who we are

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SET-Nav

Strategic Energy Roadmap

*Navigating the
Roadmap for Clean,
Secure and Efficient
Energy Innovation*

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Our Vision

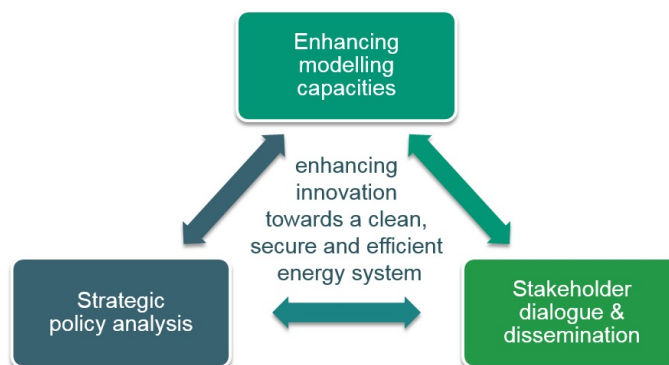
SET-Nav supports strategic decision making in Europe's energy sector, enhancing innovation towards a clean, secure and efficient energy system.

SET-Nav will comprehensively address critical uncertainties and derive appropriate policy and market responses.

Its findings will support the further development of the SET-Plan and its implementation by continuous stakeholder involvement.

Our Aim

SET-Nav key pillars



Impact

- ▶ **Set up** a broad basket of energy models with different methodological background, sectoral coverage and implemented modelling features.
- ▶ **Improve** the link between bottom up demand side oriented models with energy systems and energy supply models regarding the uptake of demand side flexibility options.
- ▶ **Improve** the link between detailed district heating expansion models, building stock models and electricity system models.
- ▶ **Consider** the regional dimension of CCS in energy modelling.
- ▶ **Aggregate** load profiles from the power sector models towards use in large-scale energy-system and integrated assessment models.
- ▶ **Link** energy system and the wider economy models in top-down bottom-up hybrid modelling.
- ▶ **Model** risk and uncertainty regarding infrastructure and system stability to better capture and evaluate the challenge of system stability in the power sector.

A variety of energy models with...

different methodological background
sectoral coverage and
implemented modelling features

SET-Nav key objectives

- ➔ **Enhance modelling capacities** to increase understanding of interactions and interdependencies between actors, technologies and policy interventions in Europe's energy system.
- ➔ **Provide model-based decision support** for enhancing energy innovation towards a clean, secure and efficient energy system – through strategic analyses tackling relevant technology and policy options, complemented by detailed comparative assessments of energy transformation pathways.
- ➔ **Ensure a proper research orientation** and a high impact through continuous and in-depth stakeholder involvement and dialogue.

will be integrated and linked to provide a **new** and **innovative** as well as **holistic approach** to energy modelling.