

SET-Nav

Intro to the H2020 project SET-Nav

*Regional Workshop
"Decarbonising our energy system -
Transformation pathways, policies and markets,
with spotlight on Greece"
16 November 2018, Athens*

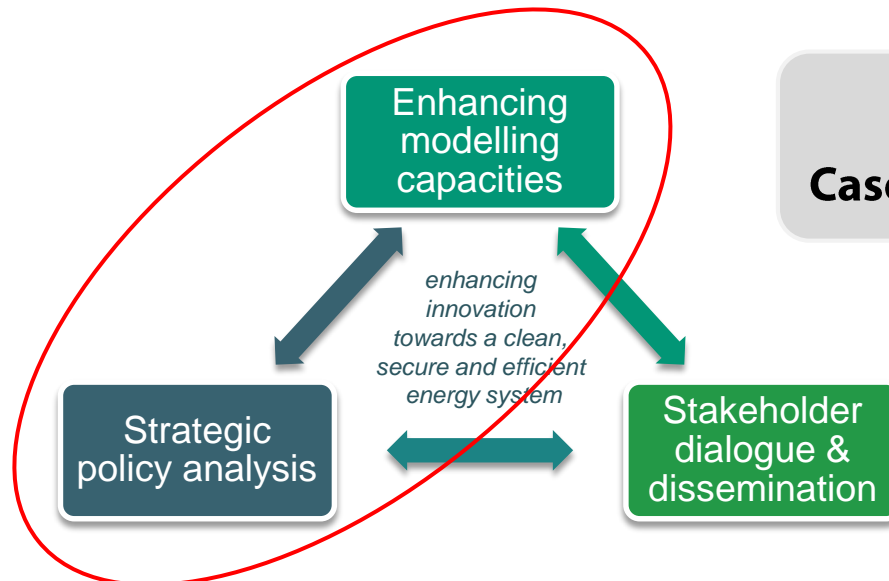
*Gustav Resch, TU Wien
(project coordinator)*



SET-NAV: THE PROJECT AT A GLANCE

Key Pillars

The overarching goal of SET-Nav is to support strategic decision making in Europe's energy sector, enhancing innovation towards a clean, secure and efficient energy system.



Two-stage process:
Case studies → Pathway analysis

- Combining theory of **technology innovation**, diffusion & spill-overs with large-scale numerical **energy-economy-engineering models**.
- Developing the methodological framework & technical infrastructure for effective **model integration** to adequately capture interdependencies across levels, energy carriers, and sectors.



SET-NAV: CONCEPT, STAGE 1

Case Studies



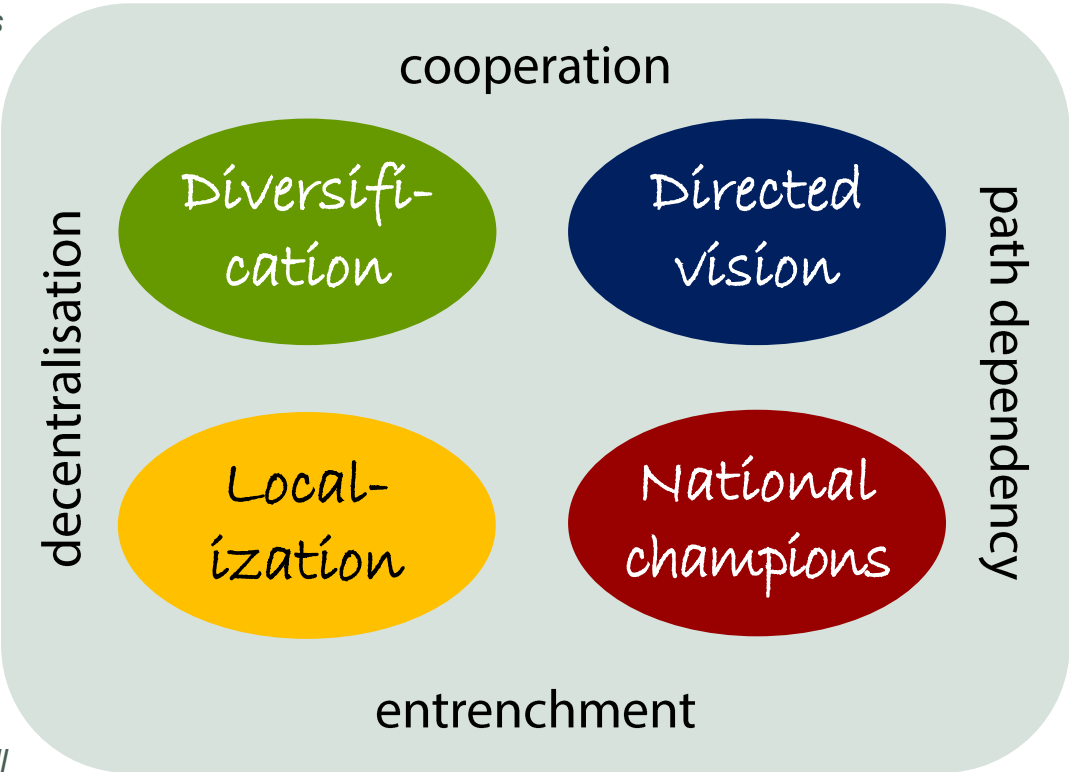
- **11 Bottom-up Case studies:** Each dedicated to tackle one or more challenges of the SET-Plan
- **Case study works provide useful and interesting specific results and insights on the challenges in focus**



SET-NAV: CONCEPT, STAGE 2

Pathway analysis: Pathway definition / Storylines

- heterogeneous actors
- coordination (beyond markets)
- digitalization (open IP)
- regulatory change
- disrupt incumbents



- EU/state-directed
- shared vision
- strong EU policy framework

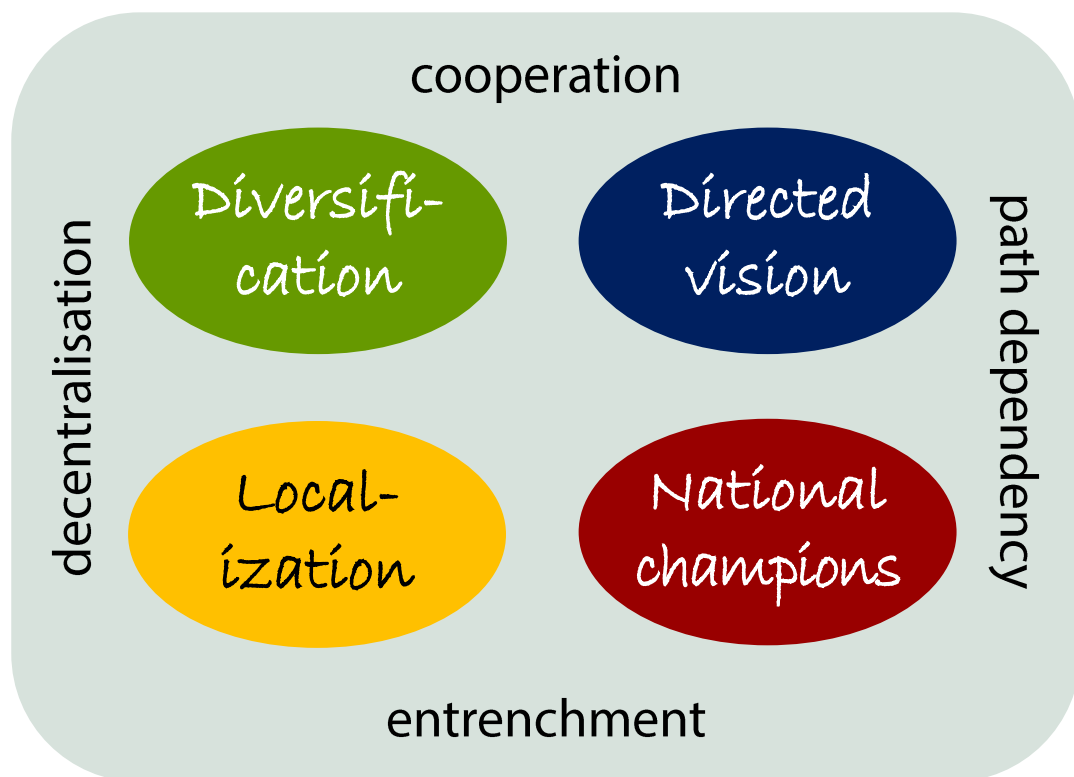
- local resources
- resistance to big infrastructure
- experimentation & diversity (many niches)
- digital winners-take-all

- utilities & incumbents
- regulatory capture
- low transition costs



SET-NAV: MAIN RESULTS AS OF NOVEMBER 2018

Pathway analysis: Pathway definition / Storylines



Status of pathway analysis: (stage 2)

- Pathway concept and related storylines derived (intensive discussions, incl. stakeholders/AB)
- Parameterisation derived
- Pathway analysis ongoing (demand-side modelling completed, supply-related modelling ongoing, macro-economic assessment will follow)



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

Thank you!

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