ECN

Energy research Centre of the Netherlands

ATEsT

Introduction to group discussion
Deployment and planning the transition

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Deployment and planning the transition

- This activity aims at understanding the transition of the energy system and how it could be implemented.
- Its goal is to support the decision-making related to investments.
- For instance, in commercial-scale demonstration projects providing guidance on how these project can be used as seeds for further deployment etc.

Perspectives from the ATEsT consortium

Deployment and planning the transition

- *Spatial planning*
  - Where and when to deploy the technology to anticipate and have a better understanding of the necessary preparations?
- *Deployment pathways*
  - How demonstration projects can be used as seeds for deployment ramp-up
  - How grids and transport networks should evolve to accommodate the shift to a low carbon energy system
- *Market designs and organisational changes*
  - What are the barriers, required changes

Deployment and planning the transition

- *Acceptance of technology*
  - Behavior change
  - Public acceptance of technologies

- *Impact analysis of the transition*
  - Security of supply
  - Supply chain and logistics
  - Employment effects

Questions for the discussion

- What energy technology policy questions are relevant?
- What tools are needed to answer these questions?
- How does the ATEsT framework fit the needs to support decision making on the SET-Plan?
- Which geographical levels (EU, MS, regions) should be addressed by the modelling framework?
- How do the specified tools relate to the possibilities models have to offer, i.e. are there models available to provide answers to specific policy questions?