

REEEM

**Role of technologies in an Energy Efficient Economy –
Model-based analysis of policy measures and
transformation pathways to a sustainable energy system**





What is REEEM?

EU project funded under H2020 LCE21. Started on the 25th of February 2016 until the 31st of August 2019.

What is the main goal of this project?

To gain comprehensive understanding of the **system-wide implications of energy strategies** in support of **transitions to a competitive low-carbon EU energy society**, given framework of SET-Plan. Supportive **technology impact assessments** will target the full integration from demand to supply and from the individual to the entire system.

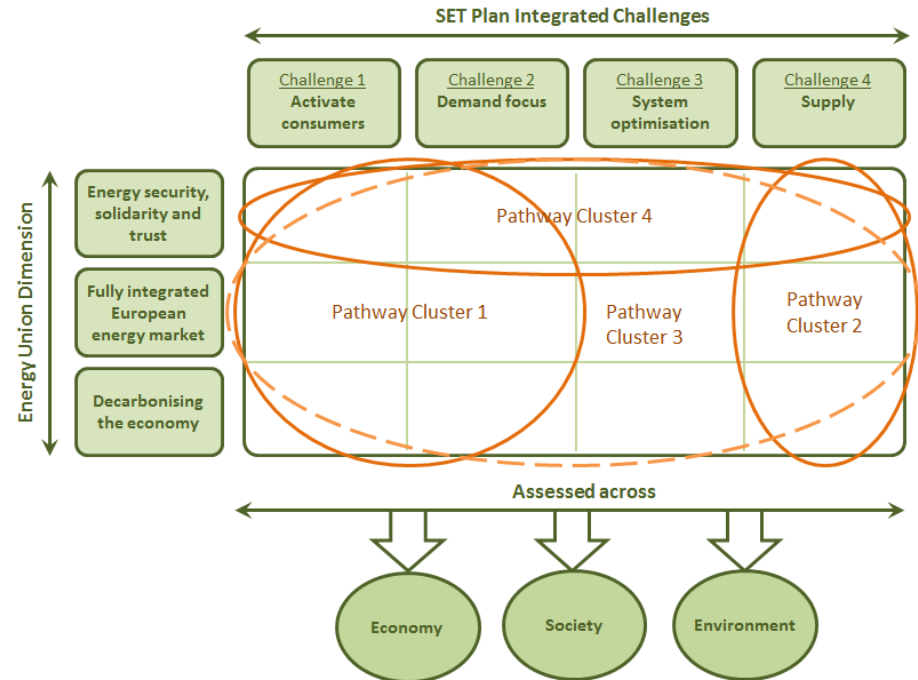
How is the modelling carried out?

Several **pathways** for EU28 energy system. For each pathway, a **narrative** is developed, **drivers identified**, **key assumptions quantified**, economic social and environmental impacts computed.

All pathways shall be categorized along two main dimensions: The 4 integrated challenges of the SET-Plan and the 5 dimensions of the Energy Union

What are the main outputs of the project?

- Publications: Policy briefs; Roadmaps; Focus reports; Integrated impact reports; Peer reviewed papers and case studies.
- Tools: Pathways database, Pathway Diagnostic Tool, Open-source Engagement Model and Learning Simulation.





Who are the partners?

Coordinator: KTH

Partners: KIC InnoEnergy, Aalto University, Aarhus University, Technical University of Denmark, Energy Institute Hrvoje Požar, Lietuvos Energetikos Institutas, Reiner Lemoine Institute, Tökni SpF, University College London and University of Stuttgart.





Stakeholder engagement

	3	6	9	12	15	18	21	24
D7.1: Stakeholder Interaction Portal								
D7.2: Pathways Diagnostic Tool								
D7.5: Communication Plan		RLI						
D7.6: European Modelling Forum					RLI			
D7.3: Open-source Engagement Model							KTH	
D7.4: Energy Systems Learning Sim							TOK	
3 technology WSs with 10 participants			?	KIC	?	?	?	?
1 WS carbon leakage, 10-15 partic.				?	?	UST	?	?
2+ WS case studies (WP6), 10-15 partic.					?	?	?	LEI
1 WS district heating, 10-15 partic.					?	?	?	AALTO
1 WS Ecosystem Services, 10-15 partic.				?	?	KTH	?	?
2 WS pathway definitions, 30 partic.			KTH	a.o.				



Current status

Divided by key areas of concern identified at LCE21 Contractors' WS (Brussels, June 30th):

Scenarios (REEEM):

- Pilot thought experiment undergoing
- Structuring narratives and pathway information sheets

Methodology:

- Undergoing bilateral discussions with **SET-Nav**
- Model factsheets created
- Creation of workflows database-models
- Ongoing work on technology progress and how to include it in pathways and models

Data categorisation:

- Undergoing bilateral discussions with **MEDEAS**
- Creating infrastructure for open database and where to host it

Dissemination & Exploitation:

- Website (reeem.org)
- Newsletter
- Engaging LCE21 projects and stakeholders in pathway definition process
- E2MP (European Energy Modelling Platform)

