

EVOLVE

Place, Time and Value study
for Blue Energy across Europe

EVOLVE: Partner Capabilities

RI.
SE

Research
Institutes
of Sweden

Supported by:



THE UNIVERSITY of EDINBURGH
School of Engineering

Policy and Innovation Group

RISE – Who are we

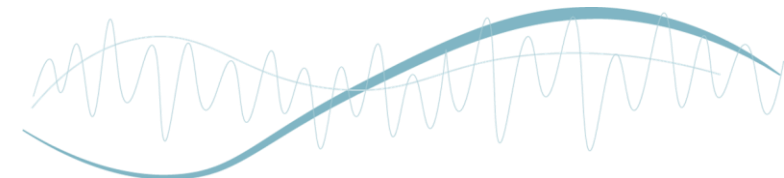


RISE Research Institutes of Sweden is Sweden's research institute and innovation partner. Through international collaboration with industry, academia and the public sector, we ensure business competitiveness and contribute to a sustainable society.

- We do this by:
 - Increasing our own and our customer's international presence and competitiveness.
 - Strengthening regional business communities and industrial clusters.
 - Creating a robust infrastructure for innovation for the benefit of industry and society.
 - Contributing to innovative, sustainable solutions to social challenges.
 - Supporting small and medium-sized businesses nationwide.

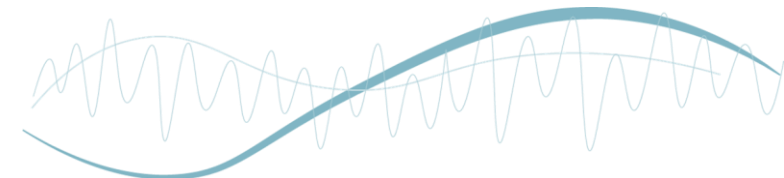
The logo for EVOLVE, featuring the word 'EVOLVE' in a bold, teal, sans-serif font. The text is set against a dark blue background with a white grid pattern and is framed by a blue circular graphic element.

EVOLVE



RISE – Electric Power System unit

- The team at RISE, the Electric Power System unit, contributes with competences within power system analysis as well as development of methods and solutions for operation and planning of the power system.
- Our experience include:
 - Regulatory analysis.
 - Renewable energy integration towards green energy transition.
 - Mathematical modelling to integrate distributed energy resources (DER) and demand response.
 - Efficient energy transition through sector coupling.
 - Mathematical modelling to harvest flexibility from the transport system through Electrical Vehicles (EVs).



- RISE's role in the project will primarily be within WP5 where we will develop electricity market models to use for market scenario analysis. RISE will also assist in the development of scenarios, contributing with electricity market knowledge.
- RISE will undertake:
 - Iterative interactions with stakeholders to ensure that scenarios, case studies and outputs produced are of value to both the OE sector and the energy systems.
 - Power systems modelling, including country-scale studies (IE, PT) considering hourly economic dispatch for scenarios 2030, 2040, 2050 and marginal electricity prices, balancing costs, system security indices.

