

# Regional Energy Networking – cross-sectional involvement through a modular interactive toolbox

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RENvolveIT aims to create a modular and scalable toolbox for managing renewable energy systems, facilitating the transition from centralized to decentralized energy production and consumption.

## Eckdaten

### Kurztitel

RENvolveIT

### Forschungsschwerpunkt

Sustainable Production, Energy Technologies and Smart Materials

### Laufzeit

01.12.2024 - 30.11.2027

### Fördergeber

Bundesministerium für Wirtschaft und Klimaschutz

### Projekträger

Forschungszentrum Jülich GmbH

### Projektleitung

Prof. Dr. Javier Valdes

## Ziele

Facilitate the establishment and operation of Energy Communities (ECs) by providing a modular interactive toolbox that supports various stakeholders in the energy transition.

Enhance citizen participation in renewable energy production and management, particularly focusing on inclusivity and equity among underrepresented groups.

Develop and integrate tools for energy system modeling, matchmaking, and community aggregation to optimize energy management and sharing.

Conduct field-testing and demonstration of the toolbox in various pilot projects to gather user feedback and improve functionalities.

Promote knowledge exchange and collaboration among project partners and stakeholders to foster a supportive environment for decentralized energy solutions.



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