



Renewable Energy in North-West Europe

In 2014, the EU presented its 2030 climate and energy framework and set the target of covering at least 27% of the energy consumption with renewable energies.

The countries of North-West Europe face the greatest challenges in the EU to reach this target: With their high degree of urbanisation, their energy consumption is one of the highest and their share of renewable energies in the production and consumption mix is low.

Get in touch!

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Renewable Energy Regions

Connecting urban demand & rural supply

Renewable Energy - Urban demand & rural supply

Urban areas are heavy energy consumers with limited potential for renewable energy production. Rural areas have large capacities to offer renewable energy, but limited energy consumption.



Partnerships for renewable energy – a win-win situation

Urban consumers meet their renewable energy demands from reliable regional supplies. Rural renewable energy producers get access to urban consumers.

RegEnergy thus creates a win-win situation for rural producers and urban consumers of renewable energies.



Pilot partnerships across North-West Europe

Metropolitan regions and cities join forces with rural communities and renewable energy producers across seven countries. Scientific institutions support the development.

- Overcome institutional and administrative barriers and seize opportunities for renewable energy partnerships
- Develop models to match renewable energy supply and demand
- Realize partnerships

INSTITUTIONAL

Climate Alliance places a focus on connecting regions in Germany for a sustainable and decentralised energy transition. The metropolitan area of Brest builds an institutional partnership with backcountry communities and provides financial and technological support. Plymouth City Council supports a rural energy community to develop a solar farm.

Activities in North-West Europe

INFRASTRUCTURE

Waterstromen constructs a biogas pipeline, Ormonde Upgrading Limited a biogas upgrading facility. 3cea ensures the necessary equipment for bio-methan delivery.

TECHNOLOGY

Flux50 works on regional storage mechanisms to cope with intermittent renewable energy supply. Planair develops a business model for micro grid optimization and storage. The Waterford Institute of Technology develops an optimization platform of energy clusters.