

Großschönau serves as test laboratory within the EU research project BEYOND



**National and regional energy commerce through blockchain technology**



## Project details:

**Duration:** 36 months, 2019 - 2022

**Consortium:** multidisciplinary and international with 14 partners from Austria, Ireland and Norway

## Motivation & Starting Position

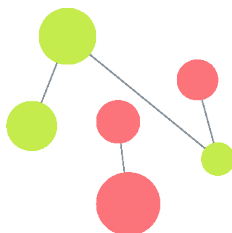
Flexible energy rates and the active, uncoordinated market participation of private prosumers produce regional and trans-regional effects. Local optimization of energy communities & their extension to regional and trans-regional levels, seem to be promising.

## Goals

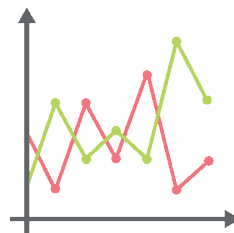
People, municipalities, urban districts, cities and other regions need to become active participants who help shape the sustainable supply of energy in the future.



New models for the integration of local and regional markets



Local markets to increase flexibility for end consumers



A network for the merge of consumers and prosumers

# Implementation

- Development of regional and local prosumer systems as foundation for a safe, automated and decentralized energy market based on blockchain-technology
- Validation of the developed systems, while taking into account all relevant stakeholders (e.g. network operators, producers, consumers,...) & consideration of technical, regulatory and any residual framework conditions.

**In the municipality of Großschönau, the following buildings were integrated, among others:**



# Project consortium



best→connect



# Funding Authorities



Federal Ministry  
Republic of Austria  
Climate Action, Environment,  
Energy, Mobility,  
Innovation and Technology



This project has received funding in the framework of the joint programming initiative ERA-Net Smart Energy Systems' focus initiative Integrated, Regional Energy Systems, with support from the European Union's Horizon 2020 research and innovation programme under grant agreement No 775970

# Further Information

<https://greenenergylab.at/projects/beyond>

<https://beyond-project.eu/>

