

Acronym – PANORAMA

Title – PiANificazione di cOmunità eneRgetiche AMbientalmente e pAesaggisticamente sostenibili

Scientific coordinator – Massimiliano Condotta

Department – Department of Architecture and Arts

Iuav role – Project Partner

Lead partner – University of Udine

Duration – 26 months

Start – 01/12/2023

Closure – 31/01/2026

Project budget – € 935 085.72

Iuav budget – € 186 000.00

Funding to Iuav – € 186 000.00

Source of funding – Interreg Italia-Austria 2021-2027

Description – The PANORAMA project intends to promote cooperation between research institutes, consortia and companies for the development and testing of innovative energy efficiency and renewable energy solutions. The main objective of the project is the creation of an innovative tool for the predictive analysis of environmental and landscape impact to guide the design and construction of energy communities based on renewable energy sources) by considering production, cost and integration aspects in an integrated manner, with particular reference to the pilot regions/areas identified by the project. In particular, the project aims to develop joint research activities at cross-border level and to transfer shared knowledge on the components of energy communities, their optimal sizing criteria and the conditions and opportunities for the integration of advanced technologies, in order to promote the realisation of feasibility studies for pilot areas and territorial experimentation with replicability potential. Finally, the project aims at the creation of stable and long-lasting cooperation between the partner structures.

Objectives – The specific objectives of the project are:

- Support the development of energy communities based on local renewable energy production and distribution networks serving areas such as urban cores, small villages, valleys, and suburbs, business parks or industrial areas with predominantly SME settlements.
- Provide solutions for quantifying and evaluating the costs of intensive development of renewable energy sources (solar, wind), as well as improving their integration into the environment and landscape.
- Develop joint research capabilities and shared knowledge transfer on the components of energy communities, the criteria of their optimal sizing and on the conditions and opportunities for integration with advanced technologies.
- Systematize georeferenced data necessary for the evaluation of potentials for the development of energy production and distribution networks at a local scale in pilot areas.

Interreg
Italia – Österreich



**Co-funded by the
European Union**