

# Smart Urban Isle

Smart Urban Isle aims at moving forward with urban energy savings. Based on a three-cornerstone procedure, the project aims at a whole new urban planning that allows cities to grow in a more sustainable way.

Consequently, we are developing an innovative concept for city planning, where cities are arranged and grow encircling small integrated areas.

The project will probe Smart Urban Isle as an innovative basic energy unit in the Smart City. Municipalities such as Santa Cruz de Tenerife, Amsterdam, Winterthur, Zurich, Limassol, Iasi, Granada, Güssing (through ecoEnergyLand) have shown their interest to work hand by hand implementing the outcomes.



## Aim/objective

- Investigate, implement and validate energy neutral 'Smart Urban Isles' (SUI)
- Locally balance the energy system
- Whole new urban planning that allows cities to grow in a sustainable way

## Approaches/methods

- Mini networks include decentralised renewable energy generation, energy storage and distribution
- Bioclimatic design of buildings and urban planning
- Energy Management Systems to control and optimize energy flows

## Expected results and impacts

- Transition of energetic systems in Europe to robust systems based on efficient and sustainable use of natural resources

## Comparison of cities in

- Spain
- The Netherlands
- Switzerland
- Romania
- Cyprus
- Austria

### Smart Urban Isle – Smart bioclimatic low-carbon urban areas as innovative energy isles in the sustainable city

**Duration:** 2016–2018

**Internet:** [www.jpi-urbaneurope.eu/smart-urban-isle](http://www.jpi-urbaneurope.eu/smart-urban-isle)

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## About JPI Urban Europe

JPI Urban Europe is a transnational research and innovation programme on urban transition. With the ambition to develop and validate new solutions for sustainable and liveable cities, a cooperation platform and programme is provided to connect urban stakeholders, researchers, cities, business and society

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