

# GLOCULL

Challenges in FWE systems are locally and globally connected. For local actors, including cities, it is difficult to anticipate whether solutions to one issue in the FWE-nexus are sustainable across food, water and energy systems, both at the local and the global scale.

What is needed is an Urban Living Lab methodology for developing solutions to urban food, water and/or energy challenges that not only takes a local FWE nexus approach, but also accounts for local-global FWE interactions.

The consortium includes universities and public and private sector partners committed to implementation of FWE experiments which brings together knowledge and expertise on living labs, transformative transdisciplinary approaches in sustainable urban development, and research experience in governance and management of FWE issues from the local to the global level.



## Aim/objective

To develop an Urban Living Lab approach for locally and globally sustainable innovations in the FWE nexus.

To support implementation of this approach, guidelines and a participatory assessment tool kit will be developed through co-creation processes in 7 Urban Living Labs.

## Approaches/methods

A novel Urban Living Lab methodology will be developed through a combination of

- An integrated assessment of the local-global interactions in the FWE nexus and
- Transdisciplinary action-research in local Urban Living Labs with a focus on co-creation and learning.

## Expected results and impacts

- ULL methodology for globally and locally-sustainable Food-Water-Energy Innovations
- Implementation guidelines
- A participatory tool kit to assess ULL FWE innovations
- Supporting co-creation processes
- Insight in potential of ULL as an adaptive governance mechanism for the FWE nexus

### **GLOCULL – Globally and LOcally-sustainable food-water-energy innovation in Urban Living Labs**

**Duration:** 2018–2021

**Internet:** [jpi-urbaneurope.eu/project/glocull/](http://jpi-urbaneurope.eu/project/glocull/)

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**Budget:** 1.939.186 €

**Partners:** Maastricht University, Lund University, LUCSUS, School of Public Health University of Sao Paulo, University of Natural Resources and Life Sciences Vienna, Arizona State University, Stellenbosch University, Leuphana University of Lüneburg, AB Bryghuset Finn, Local First Arizona, City of Tempe, Nikko Photovoltaik, City of Phoenix

### **Involved cities**

- Kerkrade (Netherlands)
- Lüneburg (Germany)
- Skåne Region (Sweden)
- Vienna (Austria)
- Tempe and Phoenix (United States)
- São Paulo (Brazil)
- Cape Town (South Africa)

## **Sustainable Urbanisation Global Initiative (SUGI)/Food-Water-Energy Nexus**

The Sustainable Urbanisation Global Initiative (SUGI)/Food-Water-Energy Nexus is a call jointly established by the Belmont Forum and the Joint Programming Initiative Urban Europe. The cooperation was established in order to bring together research and expertise across the globe to find innovative new solutions to the Food-Water-Energy Nexus challenge.

[jpi-urbaneurope.eu](http://jpi-urbaneurope.eu)

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 730254.