

GLOCULL

Globally and LOcally-sustainable food-water-energy innovation in Urban Living Labs

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Abstract

Urban resilience and sustainability ultimately depend on the adaptive capacity of a city, and Urban Living Labs represent a promising mechanism for adaptive, sustainable governance of the urban Food-Water-Energy (FWE) nexus. What is needed now is an Urban Living Lab methodology for developing solutions to urban food, water and/or energy challenges that not only takes a local FEW nexus approach, but also accounts for local-global FWE interactions. The GLOCULL project aims to develop a co-creative Urban Living Lab approach for innovations in the FWE nexus that are both locally and globally sustainable. To support future implementation of this novel approach, context-sensitive implementation guidelines and a participatory assessment tool kit will be developed through transdisciplinary action research in seven Urban Living Labs, combined with an integrated, model-supported assessment of local-global interactions in the FWE nexus.

The GLOCULL consortium is well-positioned for this project by including reputed research partners as well as local public and private sector partners committed to implementation of FWE innovation experiments. The consortium brings together a wealth of knowledge and expertise on living labs and other transformative transdisciplinary approaches in sustainable urban development, as well as extensive research experience in governance and management of food, water and energy issues from the local to the global level, including multi-level interactions. Urban Living Lab FWE innovation experiments are already identified in each of the seven participating countries.

Projektkoordinator

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Projektpartner

- NIKKO Photovoltaik GmbH