

PROJECT CONSORTIUM

The inter- and transdisciplinary project consortium includes 10 partners from Europe and North America. It integrates fundamental research as well as applied research and innovation to realize a feedback cycle between science and application, integrating natural and social sciences, humanities, engineering, data management and modelling as well as stakeholders from civil society, administration and policy, and economy. It intends at the same time to close research gaps and to provide transformative knowledge. The consortium includes these perspectives by integrating research institutions, public authorities as well as companies and NGOs.



Europäisches Institut für
Energieforschung EDF - KIT
EWIV (EIFER), Germany



University of Delaware,
School of Public Policy
and Administration, USA



National Center for
Atmospheric Research,
USA



University of Warwick,
Centre for
Interdisciplinary
Methodologies, UK



Pracownia
Zrównoważonego
Rozwoju (PZR), Poland



NICOLAUS COPERNICUS
UNIVERSITY
IN TORUŃ
Faculty of Humanities

Nicolaus Copernicus
University, Institute
of Sociology, Poland



Danube Delta National
Institute for Research and
Development (DDNI),
Romania



KTH Royal Institute of
Technology, Sweden



SweGreen, Sweden



exploring horizons

52° North Initiative for
Geospatial Open Source
Software GmbH, Germany

PROJECT COORDINATION



EIFER Europäisches Institut für Energieforschung EDF-KIT EWIV
Emmy-Noether-Straße 11
76131 Karlsruhe – GERMANY

Tel: +49 721 6105 1330
Fax: +49 721 6105 1332

Contact:

Dr. Jochen Wendel
e-mail: wendel@eifer.org

Pia Laborgne
e-mail: laborgne@eifer.org



Website:

<https://creatinginterfaces.eifer.kit.edu>

This project is supported in the framework of



URBAN EUROPE



FOOD-WATER-ENERGY NEXUS



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

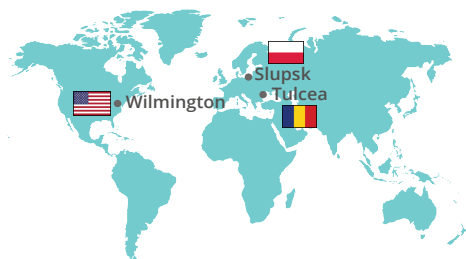


Building capacity for integrated
governance at the
Food-Water-Energy nexus
in cities on the water

CREATING INTERFACES

Food, water and energy present critical resources and complex socio-technical systems. The concept of “nexus” describes the interlinkages and inter-dependencies of these systems.

The project “Creating Interfaces” (2018 - 2021) addresses capacity building for the urban food-water-energy (FWE) nexus, facilitating cooperation and knowledge exchange among the stakeholders (city government, science, business and citizens/ civil society). It develops and tests innovative approaches for local knowledge co-creation and participation in three mid-size cities on water: Tulcea (Romania), Wilmington (USA) and Slupsk (Poland).



OBJECTIVES

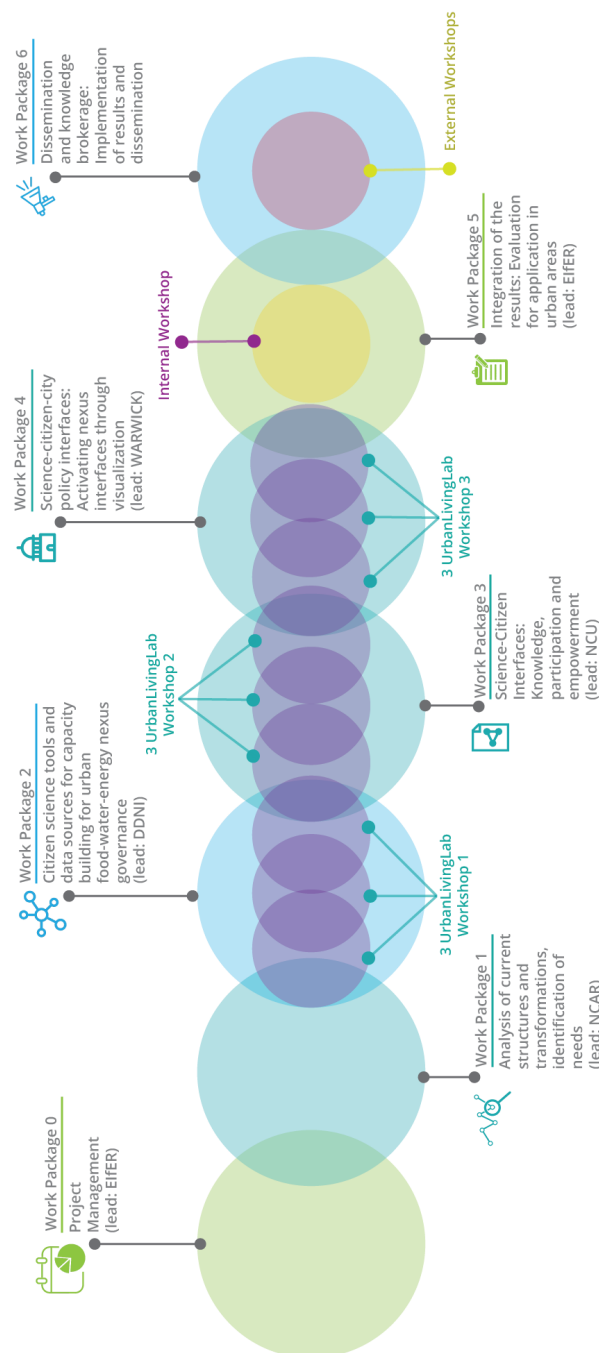
Capacity building for the urban FWE nexus through creation of science-citizen-policy interfaces:

- Fostering knowledge exchange and cooperation among local stakeholders on the FWE nexus
- Development and testing of innovative approaches for local knowledge co-creation and participation
- Enhancing of the visibility of the FWE nexus

EXPECTED RESULTS

The outcomes will contribute to science and to practice and enable integrative transformative urban governance. Recommendations will be formulated for potential users including local government, public authorities, or non-governmental organizations.

CREATING INTERFACES PROJECT STRUCTURE OVERVIEW



PROJECT METHODS

The project adopts a co-creative Urban Living Lab approach (ULL) and Citizen Science methods. Research questions, problems, and solutions are defined and implemented with stakeholders themselves:

- Urban Living Labs with workshops and other knowledge co-creation methods, e.g. public participatory GIS and participatory modelling
- Citizen Science approaches
- Development of socio-technical interfaces
- Interviews, surveys

INVOLVED CITIES

