

The Kopernikus-Project ENavi

4th Energy and Society Conference: Energy transitions in a divided world

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Workshop

Real-world laboratories as a tool for a participatory energy transition: advances, methods and international cases

Workshop Organizers:

Annika Arnold, *ZIRIUS – Centre for Interdisciplinary Risk and Innovation Studies, Germany*,
annika.arnold@zirius.uni-stuttgart.de

Anne H. Kraft, *KMGNE – Collegium for Management and Design of Sustainable Development, Germany*, akraft@kmgne.de

Johannes Venjakob, *Wuppertal Institute for Climate, Environment and Energy, Germany*,
johannes.venjakob@wupperinst.org

Topic and background

The goal of the workshop is to advance international research efforts surrounding real-world laboratories (real-world labs) by systematizing and comparing results and methodological approaches from different case studies. The global energy transition needs innovative bottom-up approaches to involve citizens and change agents, researchers and policy actors alike and to foster cooperative transition designs; real-world labs offer a new approach to do so.

The workshop is put forward and framed by research conducted within the project *ENavi – Navigational System for the Energy Transition*, funded by the *German Federal Ministry of Education and Research (BMBF)*. This project is the largest research consortium for energy research in the social sciences in Germany. It explicitly aims at involving stakeholders, change agents and citizens in the research activities. The workshop thus presents an opportunity to discuss and further develop the real-world lab-approach in this large consortium.

Three individual presentations offer insights into real-world labs (case studies), representing different thematic scopes and geographical regions. These inputs shall be discussed among all participants, focusing on the specific topic of each real-world lab, the constellation of involved actors and the labs' strategies for dissemination and continuation (a framework adapted from the Business Model Canvas).

Participants are encouraged to identify challenges and advantages, key actors and necessary resources that constitute a real-world lab approach in their respective fields.

This workshop provides a place for bringing together international perspectives on transformative research in the form of real-world labs. Moreover, it offers the

possibility to discuss research settings and findings in an international perspective, thus acknowledging the global scale of those topics that are tackled in real-world labs, often in a specifically local perspective.

Program

1. Introduction: Goals and concept of the workshop; the project “ENavi – Navigational System for the Energy Transition” as workshop-frame; adapting the Business Model Canvas for evaluating real-world labs
2. Input presentations
3. Group discussions of specific questions, adapted from the Business Model Canvas
4. Synthesis

Input presentations

Authors	Title	Institution
<u>Richard Beecroft</u> , <u>Volker Stelzer</u> , Colette Waitz	Energy Dialogue. Bridging Science-Communication and Co-Design in a Real world Lab Germany	Karlsruhe Institute for Technology (KIT) – Institute for Technology Assessment and Systems Analysis (ITAS), Germany
Eva Heiskanen ¹ , Senja Laakso ¹ , <u>Kaisa Matschoss</u> ¹ , <u>Julia Backhaus</u> ² , Gary Goggins ³ , Edina Vadovics ⁴	Designing real-world laboratories for the reduction of residential energy use: articulating Theories of Change:	¹ Consumer Society Research Center, University of Helsinki, Finland ² Maastrich University, Netherlands ³ National University of Ireland, Ireland ⁴ Green Dependent Institute, Hungary
Elizabeth C. Kurucz ¹ , <u>Christopher Luederitz</u> ² , Barry A. Colbert ³ , Sean Geobey ⁴	Leveraging university-based sustainability labs for social-ecological resilience: Practical design principles to catalyze social learning Canada & Europe	¹ College of Business and Economics, University of Guelph, Canada ² School of Environment, University of Waterloo, Canada ³ Lazaridis School of Business and Economics, Wilfrid Laurier University, Canada ⁴ School of Environment, Enterprise and Development, University of Waterloo, Canada

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