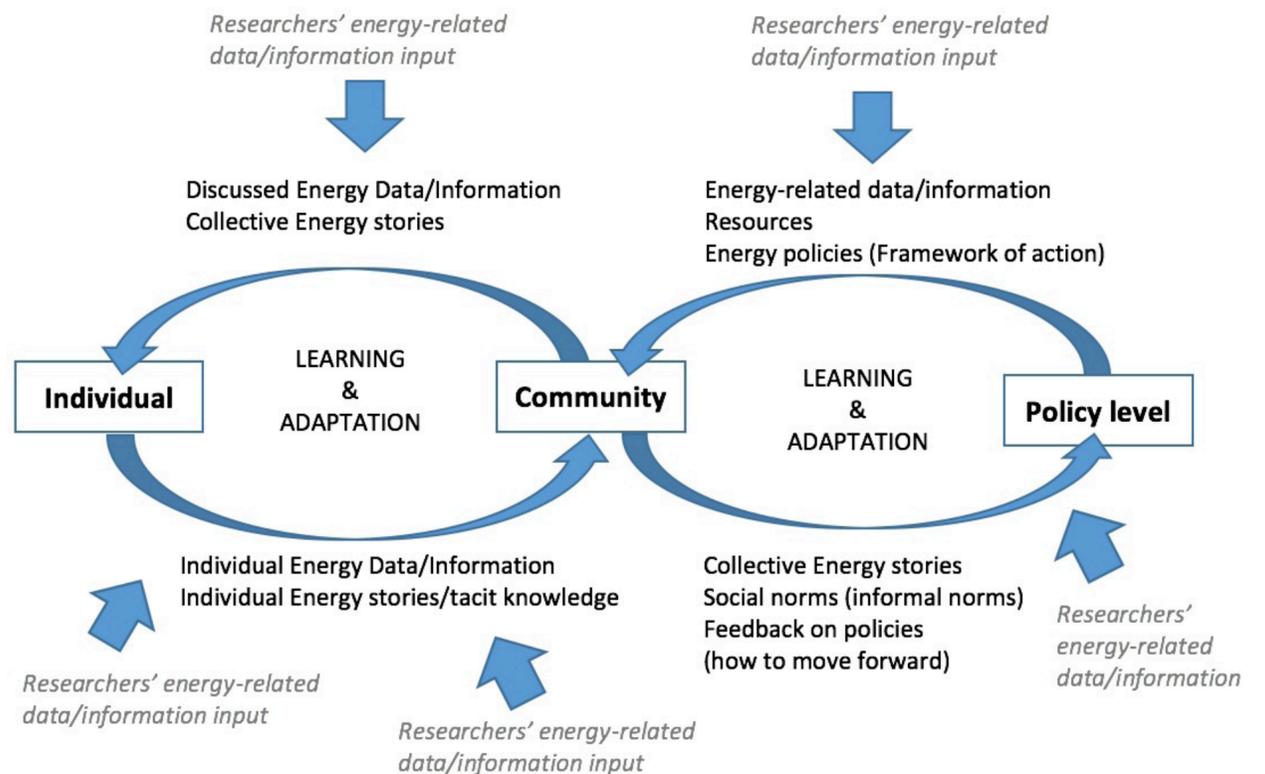


CODALoop

There is tremendous urgency for reducing cities' energy footprint through behavioral change. However, we hardly know how to enable individuals to learn how to behave energy-responsibly in their daily lives. This project combines information, cognitive and social sciences into a real-life experiment in urban neighborhoods. It will provide:

- a) a deeper understanding of learning and behavioral change to reduce energy consumption in an urban setting;
- b) a tested prototype of an interactive web-based platform for sharing data about individual and community energy consumption choices;
- c) a tailored set of policy and market recommendations for the wider application of this platform.



Aim/objective

Explore how to enable behavioural change towards reduced energy use through a web-based platform, that will enhance individual and community learning processes and inform policies for the smart use of big data

Approaches/methods

Generating 'Data to Individual', 'Individual to Community' and 'Community to Policy' learning and adaptation feedback loops through designing and testing support software for data-sharing and social interaction (see figure)

Expected results and impacts

- Conceptual understanding of data-driven feedback loops to enable learning and behavioral change in energy choices
- Marketable software platform for data-sharing and social interaction about energy use
- Policy innovations for energy transition

Urban neighborhood living labs in:

- Amsterdam (social housing estates)
- Graz (town of Leibnitz, smart city quarter Waagner Biro, smart urban neighborhood Reininghaus)
- Istanbul (municipality of Kadikoy)

CODALoop – Community data-loops for energy-efficient urban lifestyles

Duration: 2016–2019

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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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