

PARENT

The PARENT project aims to increase engagement of individuals in the responsible management of their own electricity usage, thereby understanding how we can stimulate behavioural change in household energy consumption. It works with sub-meter producers to develop a platform for participatory energy management, fuelled by community building and social engagement, visualisation and gamification techniques.

Ample attention will be paid to social acceptability. The project will operate in three cities in Europe, and study social acceptance within the user communities of these cities. With this knowledge, it will be possible to offer guidelines for activating citizens to reduce household energy consumption in Europe, taking requirements for responsible innovation and public engagement into account.



Aim/objective

1. provide a technology to citizens enabling them to monitor their household consumption through online information provision and gamification
2. support technological, social and legal choices needed to help individuals reduce energy consumption
3. develop pilots and living labs in three cities to investigate how citizens can get involved in urban transformation, stimulating participation in face to face meetings and community activities

Approaches/methods

- Active interaction with local authorities to assess role for policymakers in stimulating behavioural change
- Responsible research and innovation' at the core of the project, focusing on impact of future legal and ethical requirements for active research
- involving citizens as participants in developing approaches to achieving a common goal (household energy consumption reduction)

Expected results and impacts

- Recommendations for policymakers and a prototype platform, combining technology, gamification and direct citizen outreach, involvement and engagement to reach common goals of energy consumption reduction. A broader understanding of the challenges of implementing smart household energy monitors.
- Strategies for engagement using ICT

Involved cities

- Amsterdam
- Bergen
- Brussels (Forest)
- Brussels (Watermael-Boitsfort)

PARENT – Participatory platform for sustainable energy management

Duration: 2016–2019

Internet: www.parent-project.eu

Contact: Dr. Jamal Shahin, Vrije Universiteit Brussel

E-mail: jamal.shahin@vub.ac.be

Budget: 1.627.387 EUR

Partners: Vrije Universiteit Brussel, University of Bergen, Resourcefully, Utrecht University, Blue Planet Academy & Consulting, Commune de Forest, Commune de Watermael-Boitsfort, Municipality of Bergen, City of Amsterdam

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

www.jpi-urbaneurope.eu

 @jpiurbaneurope



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 693443