

Luxembourg



Energy Communities

WORKSHOP

Date: Sept 24, 2024

Time: 09:00 - 10:30

Scaling Up User Engagement Strategies for Sustainable Energy Transition









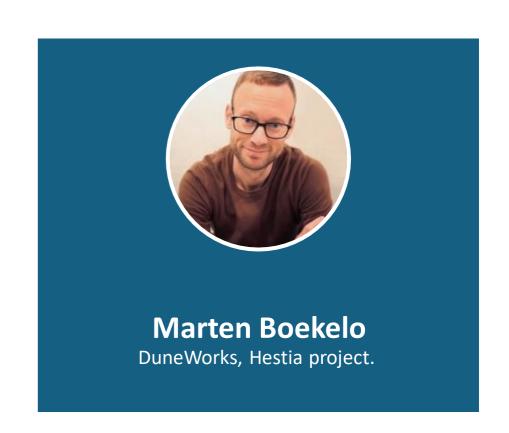


Presentation of the session

Focus: enhancing user participation in Sustainable energy initiatives

Key themes:

- a) insights from previous workshops on practical user engagement strategies.
- b) Poster presentations from Hestia, Accept and Sender:
- Theoretical frameworks
- Recruitment methods
- Pilot experiences.
- c) Interactive dialogue: fostering exchange between panellists, research institutes, companyies and project & pilot leaders.









Aggeliki Aggeli

Aalborg University - SSH

Aggeliki is a postdoctoral researcher and architect, currently working on sustainability transitions projects, using a practice-theory oriented and participatory approach. She is leading the engagement package of the Hestia project.



HESTIA aim was to provide a cost-effective solution for the next generation DR services, which would leverage the consumer engagement, energy and non-energy services, while dealing with both energy supply and demand side in a holistic manner

Userengagement aims

Engage with residential consumers

Exploit the consumer engagement as part of a cooperative DR strategy at the community level

Involve the residents in the designing of the solutions through participatory cocreation process



Who: Families with children, couples incl. retirees

Expectations

Save money and/or "contribute to a liveable planet for their grandchildren"

Impact

Adoption of some DR practices (time-shifting), continuing frustration with energy technologies & finances

Who: Families incl. intergenerational households, couples incl. retirees

Expectations

Improvement of comfort, financial savings, learning about energy communities, doing "common good"

Impact

Increased energy literacy, higher awareness of consumption, adoption of DR practices, stronger sense of (energy) community

Who: Families with children, single people, couples

Expectations

Achieve energy savings, understand energy consumption, learn to shift energy consumption

Impact

Higher awareness of energy consumption, adoption of DR practices, improved sense of community

Theoretical approach

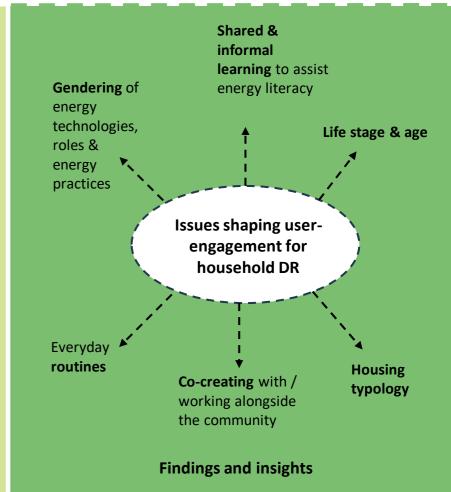
- Practice-based & participatory approach
- **Inclusivity**-focus on gender & intersectionality
- Blending of professional expertise with lived experience of households





Practical activities

- Co-creation workshops incl. women only workshops
- Home tours (virtual & face-to face)
- Individualised approach to recruitment & engagement activities for each pilot



Pilot communities

Suburban developm

Mountail town in

island location







































in city



Breffní Lennon

UCC - SSH

Breffní Lennon is a Research Fellow at University College Cork, Ireland. He is a human geographer researching the social, environmental and economic challenges of the energy transition and has a specialist interest in understanding peoples' lived experiences of energy through grounded research and the role concepts like 'energy citizenship' play in local and (inter)national decarbonization and climate actions.



Tamara Hajdu

SIN – SSH Living Labs leader

Tamara works as a Behavioural Scientist at Smart Innovation Norway, leading engagement tasks in the ACCEPT project. She is also a doctoral researcher at the University of Helsinki in the field of social psychology.

ACCEPT PILOT SITES

SPAIN - Murcia "The Urban Community"





SWITZERLAND - Capriasca "The Residential Suburb"







ACCEPT PROSUMER PERSONAS





Feed-in Tariff closure

Lack of Organisational Capacity

Limited time

Lack of **Funding**

Lack of Sites

Reduced Complexity

Knowledge Sharing

Institutional support

Early Stage Funding

Improved Subsidy Support



DRIVERS TO ENERGY COMMUNITY FORMATION





FINANCIAL CONCERNS Alexander Adamos, 39 "Energy crisis" "Cost reduction" "Global economy"





COMMON GOOD Hugo Bakker, 46 "Environment" "Community" "Responsibility"

The all male personas serve as a valuable reminder to prioritize gender < balance in future data collection efforts.















Aniol Esquerra

Ecoserveis – SSH Pilot Leader

Aniol holds a Degree in Industrial Engineering and two masters of (1) Human Science and Technology and (2) Environment and Renewable Energies.

At Ecoserveis he is specialized in smart efficient renewable energy transition. He combines his experience in energy monitoring with his specialization in energy education to ensure users and communities get involved with technical solutions.

Sustainable Consumer Engagement and Demand Response

www.sender-h2020.eu

- m H2020 SENDER
- x contact@sender-h2020.eu
- X H2020 SENDER

"Ensuring the next generation of energy services applications for demand response, home automation and convenience"

million € budget

month duration

partners

DEMONSTRATION SITES





Espoo & Tampere,





OUR PROJECT

SENDER is a collaborative project that aims to develop and test the next generation of energy service applications for demand response, home automation and convenience. To achieve this, it engages consumers/prosumers and energy actors in the co-design of energy services and mechanisms that facilitate the use of renewable energies to meet the energy demands of individual households.

OUR OBJECTIVES



2 regulatory documents for new legal frameworks



10 types of stakeholders implicated in the co-construction







5 initiatives in synergy with other related EU projects



20% kWh of flexibility per households per year



USER JOURNEY















is fit for the project.

Information sessions/workshops will be organised to solve doubts & questions.

You will be able to join these sessions/workshops to gather additional information about the process and to get your questions answered.

Fill out the Registration Form to participate in the project

If interested into participating, we encourage you to fill in the

registration form. It is quick and easy. We will ask you some

information about your household to helps us understand

every case. The SENDER team will evaluate if your household

We will contact you to know more details about your household characteristics

To know which solution fits best your home, and what specific devices you would need, we may ask you further questions and/or information about your devices, so we can get ready before the visit.

We organize with you the visit with the installer

We will call you to schedule the visit according to your preferences. You will be able to discuss the time and day that suits you best.

We take care of the installation of your smart devices

We will explain the purpose of everything that is being installed. All the components are very small. Two people will come for the visit, one being the installer, and another who can solve any doubt you may have, who will sync the devices together, and ask you remaining info needed in case there is something missing.

Download the SENDER App and start managing your devices remotely!

The SENDER project has developed an app to facilitate accessible but accurate information to citizens about their energy use. With the SENDER App you can see your consumption and how it has evolved over time. Moreover, the app allows you to switch on and off your smart devices from your phone, even when you are not at home!

For one year, we schedule your energy consumption

- 1) To boost your home's usage of renewable energy
- 2) To help the grid learn how to divest from fossil fuels
- 3) To reduce your energy bills

The SENDER Box can schedule domestic electricity consumption to make homes renewable energy installations more profitable, to optimize your energy usage and to help the electric grid be ready to rely mainly in renewable energy sources.

The SENDER Box will do so on its own. You do not have to do anything, just live your life as usual, and keep it switched on as much as possible.

Feel free to contact us!

The project team will be available to solve any doubt or issue during the whole project. We are here to help at any time. We are encouraged people with a will to develop projects that can help the environment and cope with the energy transition. so if there's something you would like to comment, just write us, or give us a call!



(Bonus) If you own an electric vehicle, solar panels, or both...

SENDER can help you synchronise your energy use with periods in which prices are the lowest, and renewable sources at the highest (including your own!). SENDER can schedule your consumption (or vehicle charging) to match periods in which a) your solar panels are generating more energy that you would otherwise use, or b) when energy prices are lowest. What's more, SENDER can do so without you noticing. At the end of the month, the energy that you used will have been sourced from greener sources, while you may also have reduced your bills!





























Round Table

Moderator: Marten Boekelo, DuneWorks, Hestia project.



Q&A Join SLIDO!

slido.com

CODE: #8805875



Aggeliki Aggeli



Aniol Esquerra



Arjen Schamhart







