



ETIP SNET

European Technology and Innovation Platform
Smart Networks for Energy Transition

12th ETIP SNET Regional Workshop
Parallel Session 4
Consumer and Citizen Engagement: Engaging groups and
individuals



Consumer and Citizen Engagement: Engaging groups and individuals

WELCOME AND INTRODUCTION	<ul style="list-style-type: none">- Ludwig Karg – B.A.U.M. Consult- Esther Hardi – Energiecooperatie 2030
99 SECOND PITCH	<ul style="list-style-type: none">- Sergio Olivero – Politecnico di Torino (REC-ECH project)- Alessandra Porfido – COMILLAS University (ReDREAM project)- Marcel Schweitzer – Technikum Wien (R2EC project)
PANEL DISCUSSION	<ul style="list-style-type: none">- Laurent Schmitt – Digital4Grids (ETIP SNET Association representative for Final Consumers)- Johanna Höffken - Eindhoven University of Technology (BRIDGE representative)- Sergio Olivero - Politecnico di Torino (REC-ECH project)- Alessandra Porfido & Alvaro Sánchez Miralles - COMILLAS University (ReDREAM project)- Marcel Schweitzer - Technikum Wien (R2EC project)

General organisation rules

- Switch off your microphone and Camera
- Only Panellists and Moderators will have Camera and Microsoft on

➤ Questions & Answer session

- Please write your questions in the chat on TEAMS



The entire workshop (including the parallel sessions)
will be recorded !

➤ accessing links

- They will be posted in the chat before each session change!

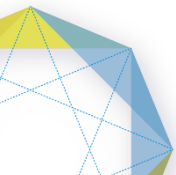
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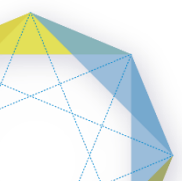
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**Select Parallel
Sessions 4
(Consumer and
Citizen Engagement)
at the top left**



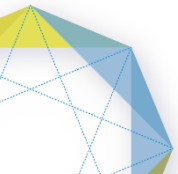
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- *Which sector are you from?*
- *In which country is your company/organisation located?*
- *Which of the following research areas do you represent the most?*



Presentation speech

- **Johanna Höffken** - Eindhoven University of Technology (BRIDGE representative)
- **Laurent Schmitt** – Digital4Grids (ETIP SNET Association representative for Final Consumers)

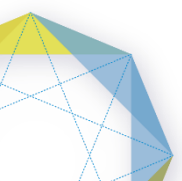


99-Second Pitches

REC-ECH - Sergio Olivero - Politecnico di Torino

ReDREAM - Alessandra Porfido - COMILLAS
University

R2EC - Marcel Schweitzer - Technikum Wien

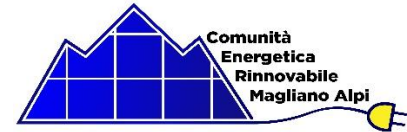


Renewable Energy Community (REC) “Energy City hall” – **Magliano Alpi** (IT)

- *December 18th, 2020 - December 31st, 2021*

- *Objectives:*

- other two RECs by September 2021 in the City of Magliano Alpi
- putting the prosumers at the center of Energy Transition and involving citizens
- increasing energy self-consumption
- **benchmarking among commercial digital IoT platforms** used to manage data related to energy flows and to allocate benefits according to prosumers' behaviors
- developing **innovative business models** to generate value at local level and generate resources to reduce energy poverty
- to enable **new energy services** by smart contracting (including the use of *blockchain*)
- **replicating the approach** at National and EU level:
 - Comunità Collinare del Friuli (15 Municipalities, 50,000 inhabitants)
 - other 7 Municipalities in Italian Regions: Piedmont, Tuscany, Campania and Marche
 - cooperation with the City of Essen (MoU)



- *Agreements with*



Politecnico
di Torino



- *Member of* RESCOOP.EU

<https://cermaglianoalpi.it/?lang=en>



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The Community Operational Groups (COG) of Magliano Alpi's REC



City

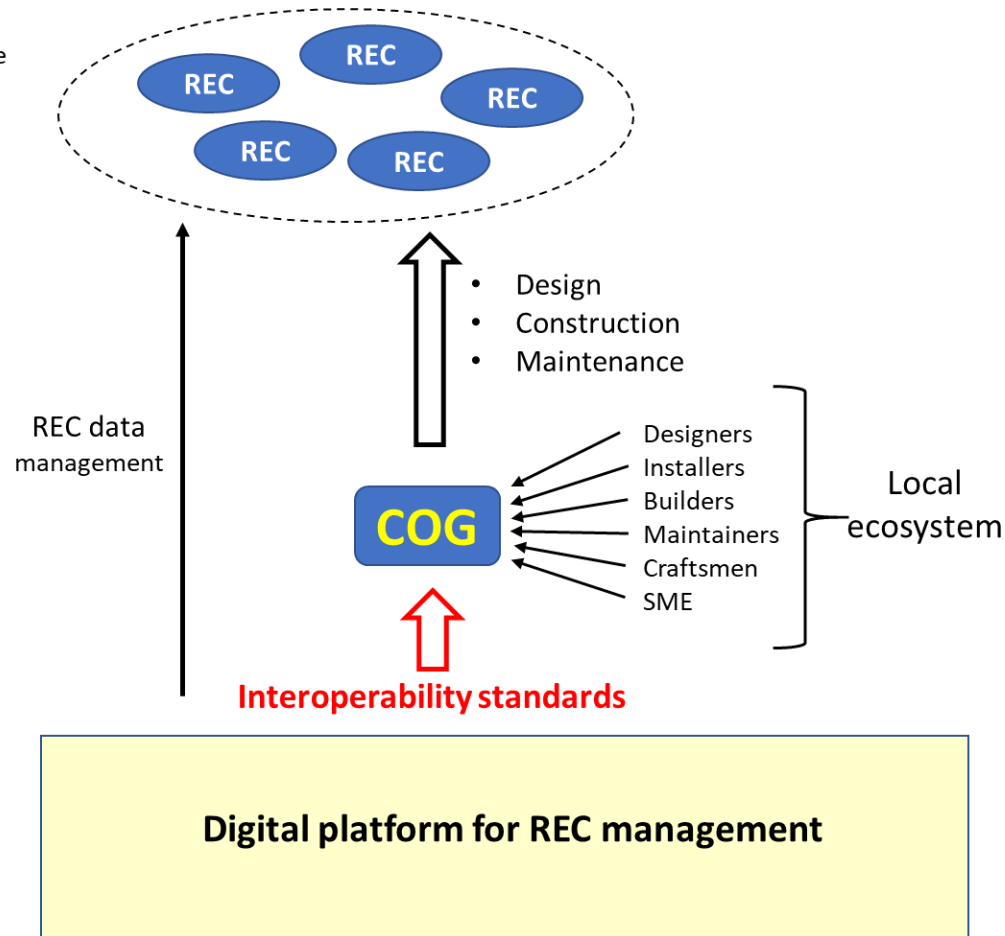
- Informs residents through institutional channels about the possibility of creating RECs [expression of interest]
- Acts as a super partes guarantor of the process
- Can be a member of some CERs

COG

- Prepares the information campaign with flyers, posts on social networks, neighborhood whatsapp groups with a single contact address where requests for information can be sent.
- Enables the design of offers by a "**local short supply chain**" of companies and professionals through: inspections; consumption analysis; identification of the most suitable experts and companies; commercial proposal for plant construction.
- Some solutions (e.g. 50% deduction + incentives € 110 / MWh for 20 years) can technically be proposed only by those who are included in the GOC system this is a **competitive factor**)

Citizens

- They know whom to contact to understand and have technical information
- Have institutional references to guarantee the proposals
- They trigger a **favorable storytelling**



Contact

Sergio Olivero, Head of *Business&Finance Innovation*
Energy Center of the Politecnico di Torino, sergio.olivero@polito.it
President of the Scientific Committee of Magliano Alpi's REC



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To which degree did the presented project emphasize involvement of consumers, customers or citizens?

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ReDREAM
change your energy

ReDREAM- Overview

ReDREAM will establish **a connected user-centred energy ecosystem** by:

- enabling the effective participation of consumers and prosumers in the energy market;
- developing a strategy for the creation of a value generation chain based on a revolutionary service-dominant logic (SDL) in which services are exchanged;
- fostering the demand response tools and energy/non-energy services that enable consumers to participate in the energy market.



FACTS & FIGURES

- 15 European partners from 8 different countries
 - 4 Demo sites
- 36 months, from 01.10.2020 to 30.09.2023
 - 7.2M€ (Estimated project cost)

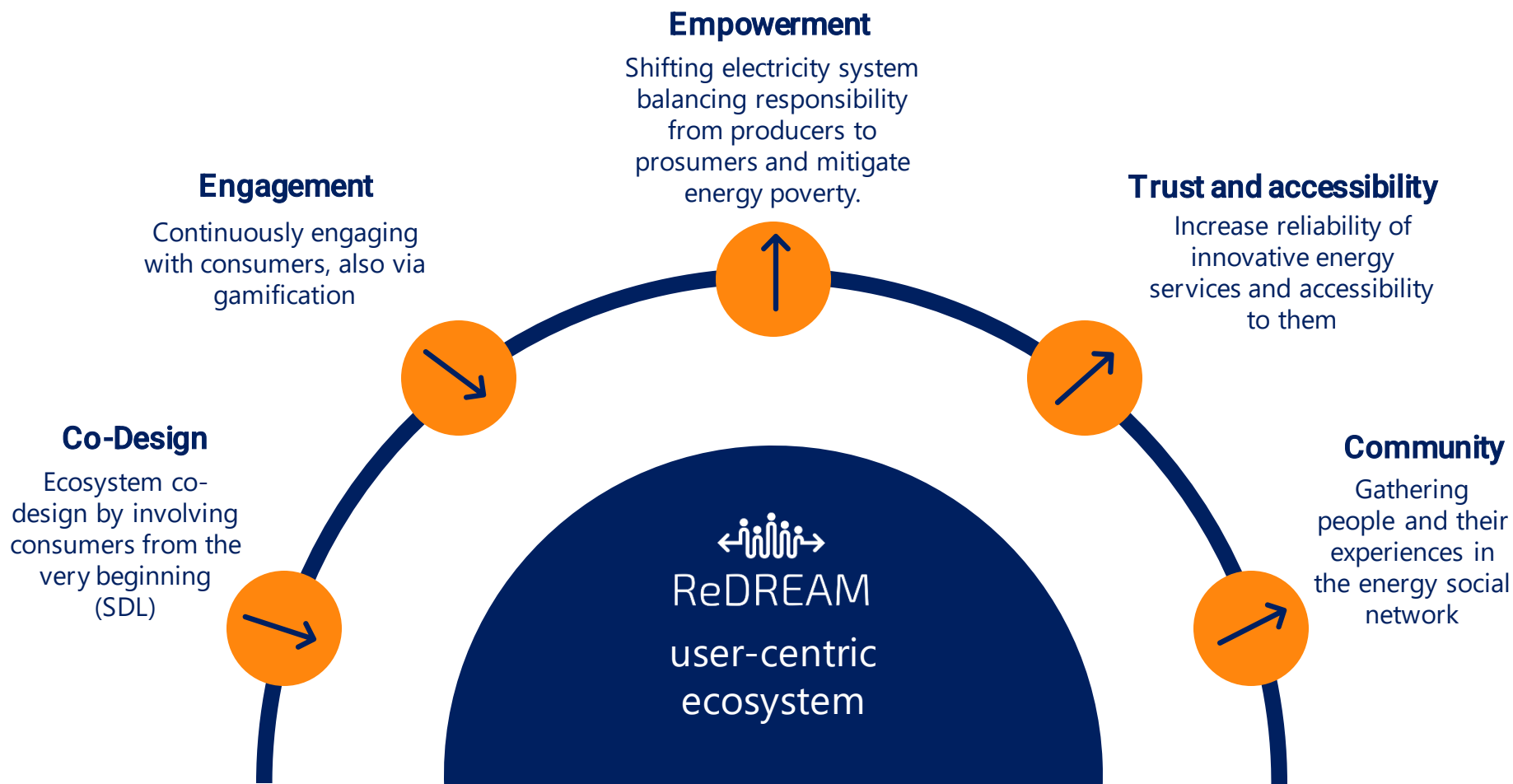


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ReDREAM
change your energy

Consumer and citizen engagement



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REGIONAL RENEWABLE ENERGY CELLS

Project Presentation



Austria – Tulbing (1 of 5 observed TBs)

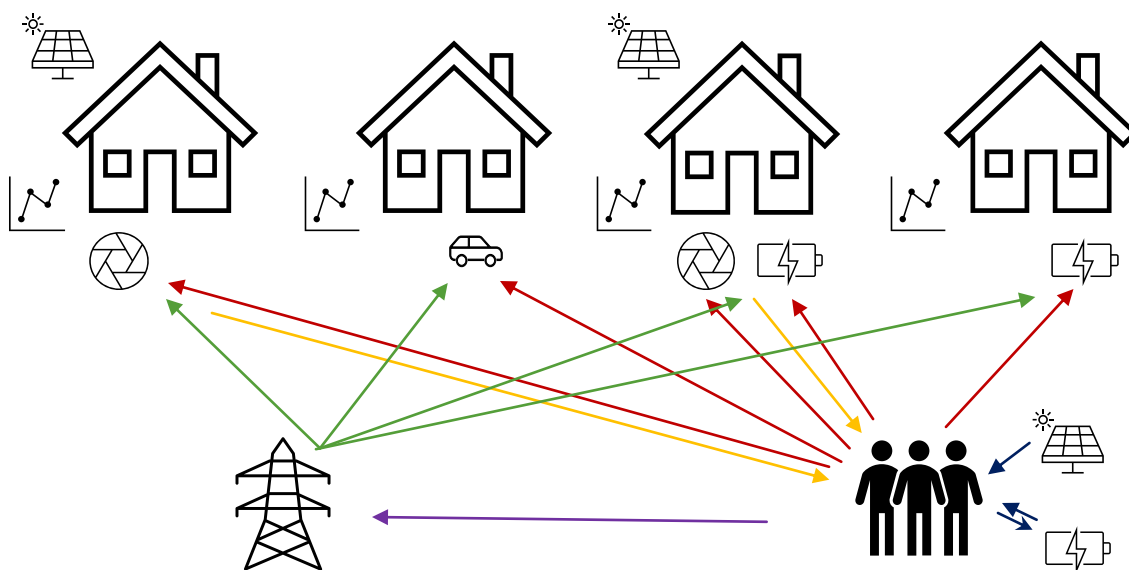
Lower Austria

Households 466 (approx. 100 observed)

Commercial buildings 9 (6 observed)

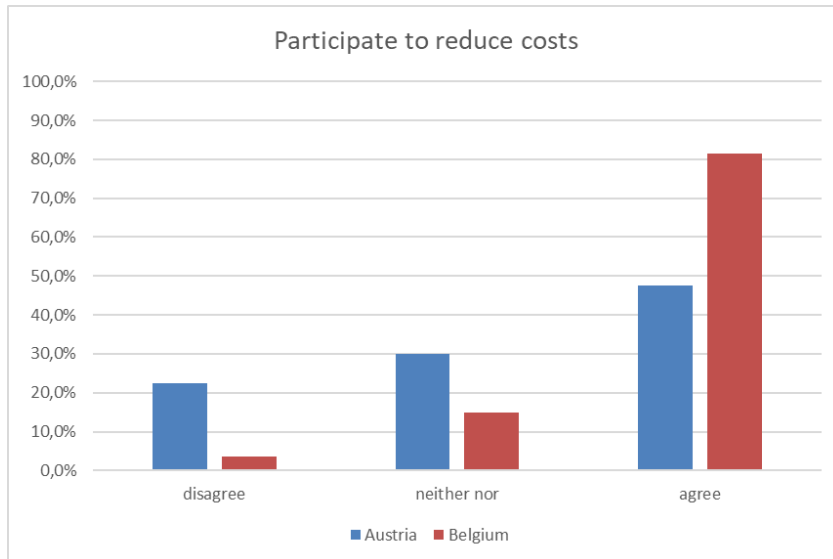


Concept of R2EC-ECs:

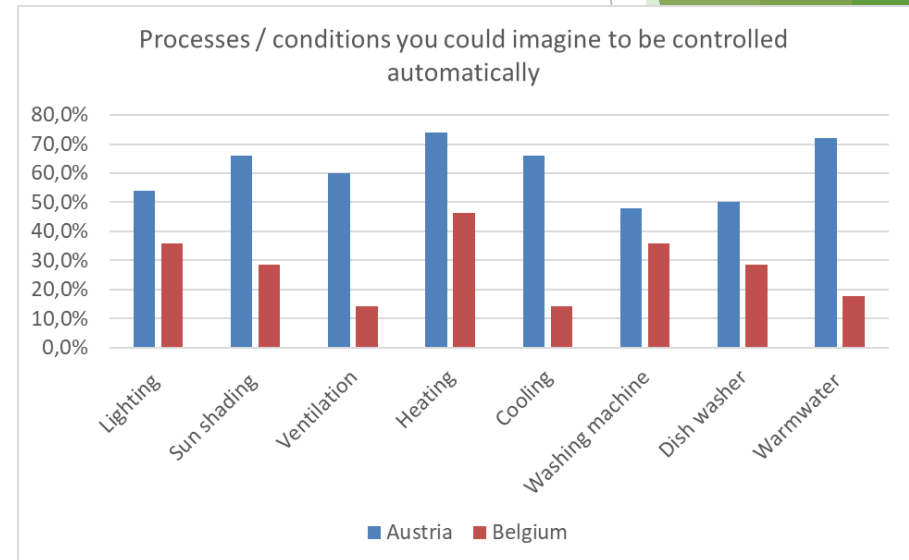


Aims for the Cells:

- 1.) Co-Creation Workshops
- 2.) Development of Businessmodel
- 3.) Simulation of Cell
- 4.) Implementation in Laboratory



- Surveys provide insight into reasons for participating in energy cells/energy communities
- Differences between test beds/countries can yield successful incentives for future initiatives
- i.e. in both countries reducing energy costs is a main driver for participation



- Automated control over everyday processes is essential for load shift potential within cells
- Austria test bed participants exhibit a higher acceptance toward automation of conditions compared to Belgium test beds

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Panel Discussion

Panellists

Laurent Schmitt - Digital4Grids (ETIP SNET Association representative for Final Consumers)

Johanna Höffken - Eindhoven University of Technology (BRIDGE representative)

REC-ECH project - **Sergio Olivero** - Politecnico di Torino

ReDREAM project - **Alessandra Porfido & Alvaro Sánchez Miralles** - COMILLAS University

R2EC project - **Marcel Schweitzer** - Technikum Wien

Moderators

Ludwig Karg – B.A.U.M. Consult

Esther Hardi – Energiecoöperatie 2030

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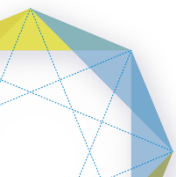


Except money – what drives people to actively promote energy transition?

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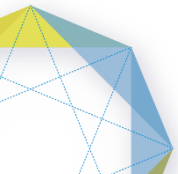
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Questions for the panellists

When following the goal of systemic innovation, how could we best involve the single individuum and what could be models to address and meet the needs of entire groups?



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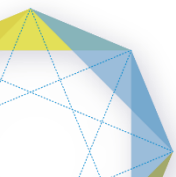


Which concepts will be most valuable to motivate society for the support of energy transition? (tick up to 3)

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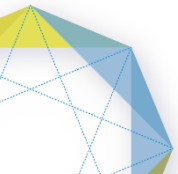
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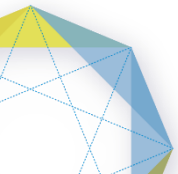
Questions for the panellists

What are the knowns and unknowns about group dynamics in cooperative approaches to energy transition and climate neutrality?



Questions for panellists

With ever more societal groups joining forces to reach climate neutrality: To what extent do or should such cooperative actions play a role in the (re)search for a future sustainable energy system?



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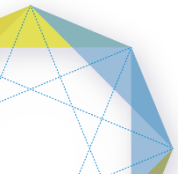
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Express in one or two words the main gap in your country RDI agenda related to consumer involvement, citizen engagement and energy communities.

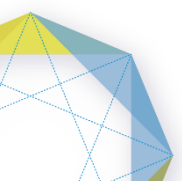
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Questions for panellists

How does / did the project combine technical, economic and social re-search? How did you get the customer/consumer/citizen involved?



Results from SLIDO





**Thank for your participation and
attention!**

**Please attend the
Plenary Session from 12:10-
13:00.**

