



5th Urban Economy Forum + 59th ISOCARP World Planning Congress

10 October - 13 October 2023

Submission ID : ISO40

Co-created Positive Energy Districts

Submission Status : Accepted

2. Submission Track : TRACK 4:

INTERACT with tech

3. Submission Category: Case Study Report + Track Presentation

A. Case Study Background: In a joint collaboration we are developing a database for Positive Energy Districts and helping communities and decision makers in selected cities/towns of Austria, Sweden and Turkey, to find appropriate roles and paths to work collectively on the energy transition.

B. Case Study Relevance To The Congress Themes: All cases in this collaboration are typically top-down managed and there is no collaboration or communication culture, to manage and handle the energy transition with the citizens. This co-creation with bottom up initiatives and involving them in the development of Positive Energy Districts is in our opinion an overlooked key element for successful and impactful PEDs.

C. Contribution To Planning Or Policymaking Practice: In Planning and policymaking (within the field of energy transition) the citizens and their organisations are overlooked. At the same time there is no-true PED in Europe so far, we believe one reason is the lacking peoples collaboration. As the PED needs to balance energy needs and energy production, throughout the day and year, the important half of the PED relies on the people, who are (for instance as renters) excluded from planning such or implementing such.

Abstract :

What Is The Main Topic That This Presentation Covers?: #co-creation with citizens and their representatives

#energy transition with ALL

#Positive Energy Districts

#collaboration pathways

#quadruple helix in PEDs

Provide A Brief Catchy Statement Related To The Topic And Why This Is Relevant To Planners, Or Policy Makers (decision-makers / Decision-takers). This Is An Attention-grabbing Sales Pitch To The UEF5+WPC59 Attendee.:

The Energy Balance for Positive Energy Districts is equating the energy needs (people) and the energy production (technology). Yet most energy transition projects have been concentrating on technical aspects and the implemented projects are not yet truly positive. This presentation will discuss ways of involvement of citizens in the pathways of Positive Energy Districts.

Elaborate On The Importance Of The Topic And Relevance To The Audience. Expand On Your Topic's

Methodology And Findings (if Academic Focused).: In the European Network PEDEDUNET and in our international project PED-ACT, we have been experiencing how citizens are systemically excluded in the process of establishment of a Positive Energy District. The technology is evolving, newer applications can involve different sources of renewable energies, calculate them in price and quantity, yet the PEDs are not having the hoped importance or impact in the energy transition ambitions. This is due to lack of involvement of people in the project, progress and process. At the same time, there are worries and power imbalances among citizens (building owner versus building user), which results in no participation or involvement. With a quadruple helix approach, we have been approaching 6 different communities, normally managed top down in terms of energy production and delivery, and found different recipes to have the citizens take part in the PED evolution.

Describe How This Presentation Will Bring Forth New Ideas And Actionable Planning Methods/approaches With Tangible Outcomes To Advance Climate-responsive, Inclusive And Equitable Community Planning?:

The energy sector is perceived as a technological field, where lots of citizens have to little knowledge or any rights to make decisions. As long as we keep this top down culture, we can not profit from the contribution of many citizens. Especially in PED projects, the citizens are expected to change their behaviors (in energy consumption) but they are not an actor of the process. As long as we do not change this dynamic, there is not much relieve technology can bring into the energy transition agenda.

Learning Objectives:

1 : a clear role for citizens in PEDs

2 : a clear say for citizens in PEDs

3 : a clear reward system for citizens in PEDs

Attendance: I intend to participate in-person in Toronto,

I Accept All Conditions.: