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*Baptiste Mougeot*  
Lyon Confluence  
Scalable Cities



*Veronika Cerna*  
TWENTY  
COMMUNICATIONS

# *Power of Communities* *Co-creating Pathways* *to Climate Neutrality*



# *Baptiste Mougeot*



SCALABLE CITIES

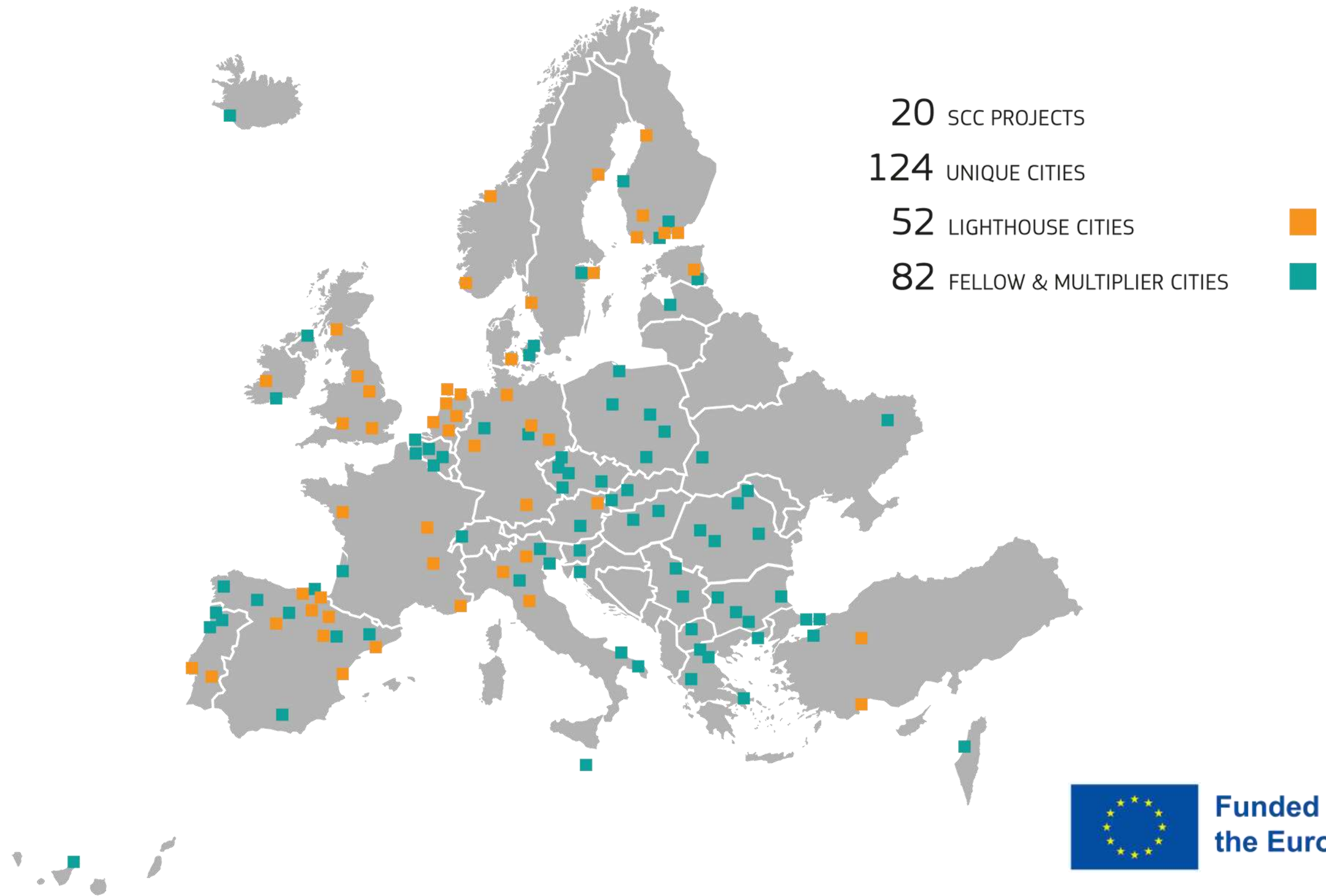
Project Manager  
Lyon Confluence



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the European Union



# Scalable Cities: The power of communities



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# *Power of Communities* *Co-creating Pathways* *to Climate Neutrality*



# ***Jörgen Lööf***



**ASCEND**

**CEO**  
ElectriCITY



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# *ELECTRICITY*

AN ACCELERATOR FOR CHANGE

**TEST-BED WITH  
18,000 PEOPLE**

**HAMMARBY  
SJÖSTAD 2.0**

**ELECTRICITY**



**How to become  
climate neutral by  
2030?**



**OUR MAIN  
FOCUS AREAS**





A photograph of two men in a technical facility, likely a power plant or industrial setting. The man in the foreground is older, with white hair, wearing a dark quilted jacket over a light-colored hoodie. He is leaning forward, smiling, and pointing at a red and black control panel or piece of machinery. The man in the background is bald, wearing glasses and a blue and dark blue Adidas jacket. He is also smiling and looking at the same area. The background is filled with complex industrial equipment, including large black pipes, brass valves, and green cylindrical components. The lighting is bright and even.

**SAVE ENERGY**

**WILLY OSCIANSSON  
ECODRIVES**

**ELECTRICITY**





**ENERGYMEETINGS**



**WE SHARE  
EXPERIENCES**

**ELECTRICITY**



**JOINT  
PROCUREMENT**

**20%**  
DISCOUNT



PROJECT MANAGEMENT  
FRAMEWORK DESCRIPTION

**50% LESS  
PURCHASED ENERGY**

STRATEGIC  PARTNERING



TURN-KEY  
CONTRACTS





**IT IS PROFITABLE  
TO BE CLIMATE SMART!**





**THE ENERGY  
STEERING GROUP**

**ECO GOVERNANCE**



# ENERGY COMMUNITY HAMMARBY SJÖSTAD

Solar cells  
on the roof

Battery storage  
in the property

VIRTUAL  $\approx$  SHARING

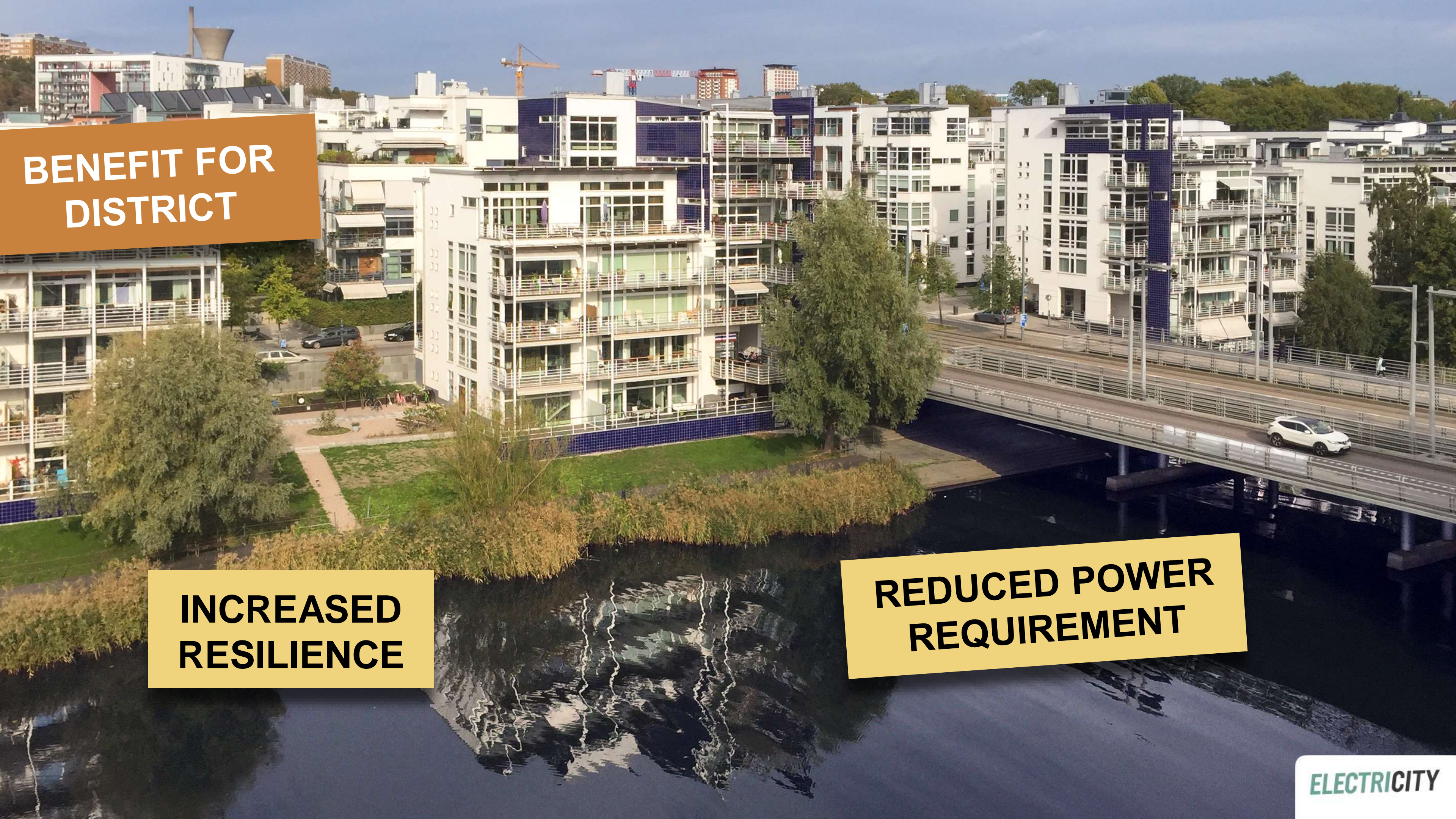
The houses share  
energy through the  
existing electricity grid

LSO  
*Local System  
Operator*

Electricity  
network owner

ELECTRICITY





**BENEFIT FOR  
DISTRICT**

**INCREASED  
RESILIENCE**

**REDUCED POWER  
REQUIREMENT**





**BENEFIT FOR  
REAL ESTATE**

**OPERATION-ELECTRICITY IN  
CASE OF POWER FAILURE**

**REDUCED  
ELECTRICITY COST**





**BENEFIT FOR  
SOCIETY**

**GLOBAL  
SPREAD**

**A WORKING MODEL  
FOR ENERGY COMMUNITIES**



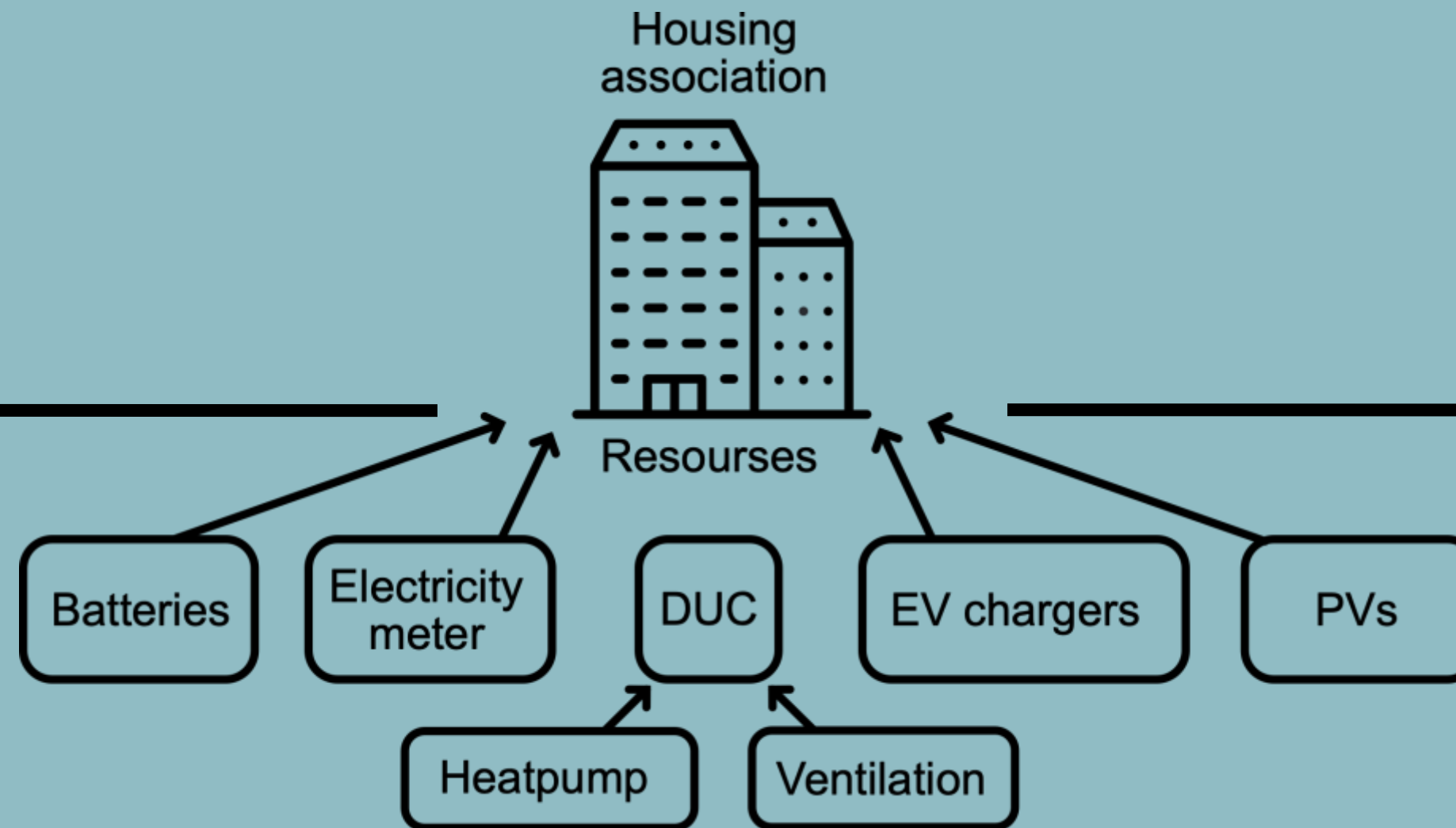
# ENERGY COMMUNITY

- Work together to improve the buildings' energy performance
- More renewable energy production
- Stored and shared energy
- Joint investments in for example PVs
- Joint flex services
- Lower electricity costs





# Standardization of resources



## Challenges

- Different ontologies
- Costs for hardware
- Costs for installation
- Costs for tagging
  - identifying data points and naming them

## Requirements

- Open standardized data at installation
- Free connections
- Free updates

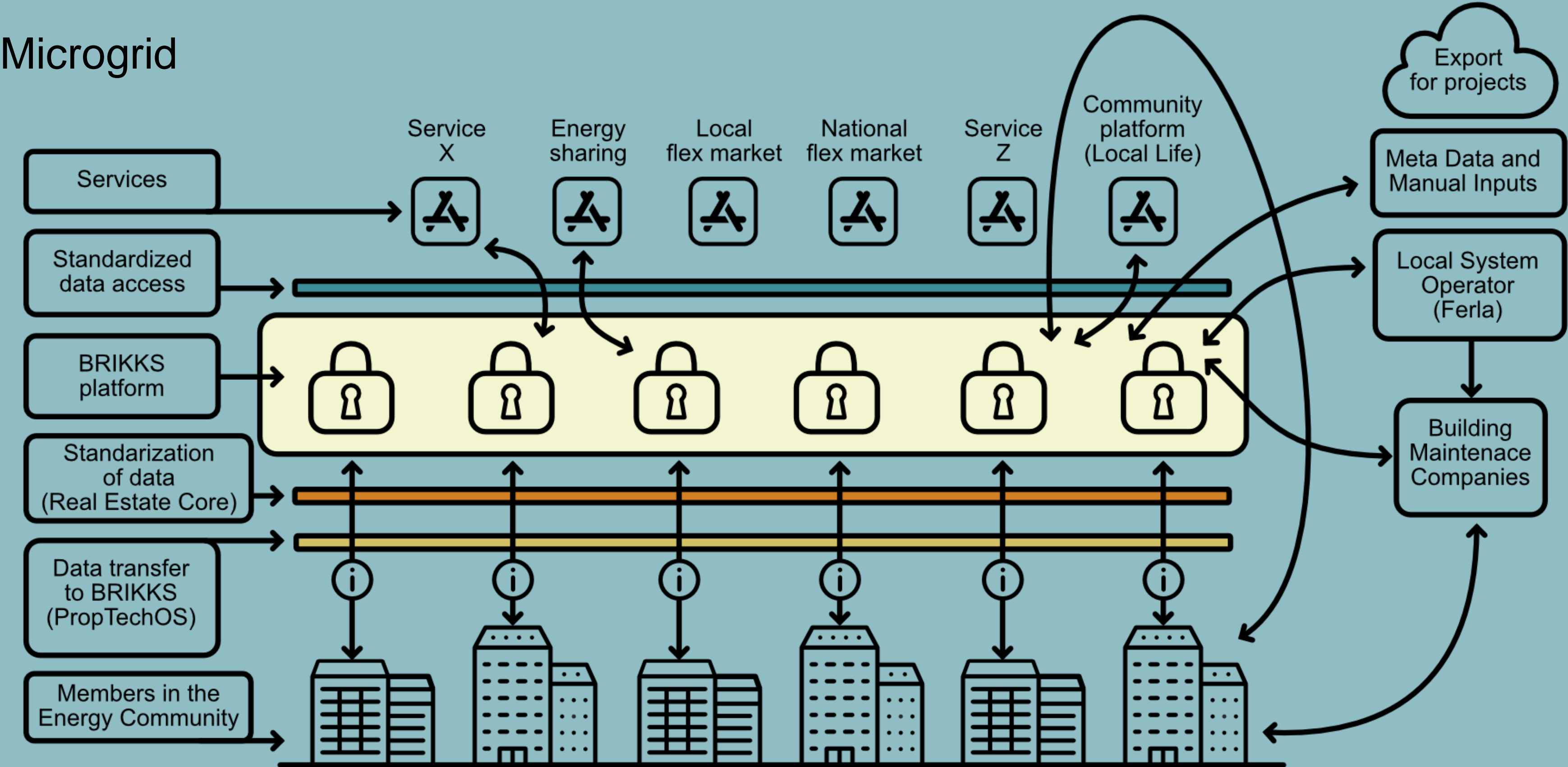


**BROADBAND-JESUS**

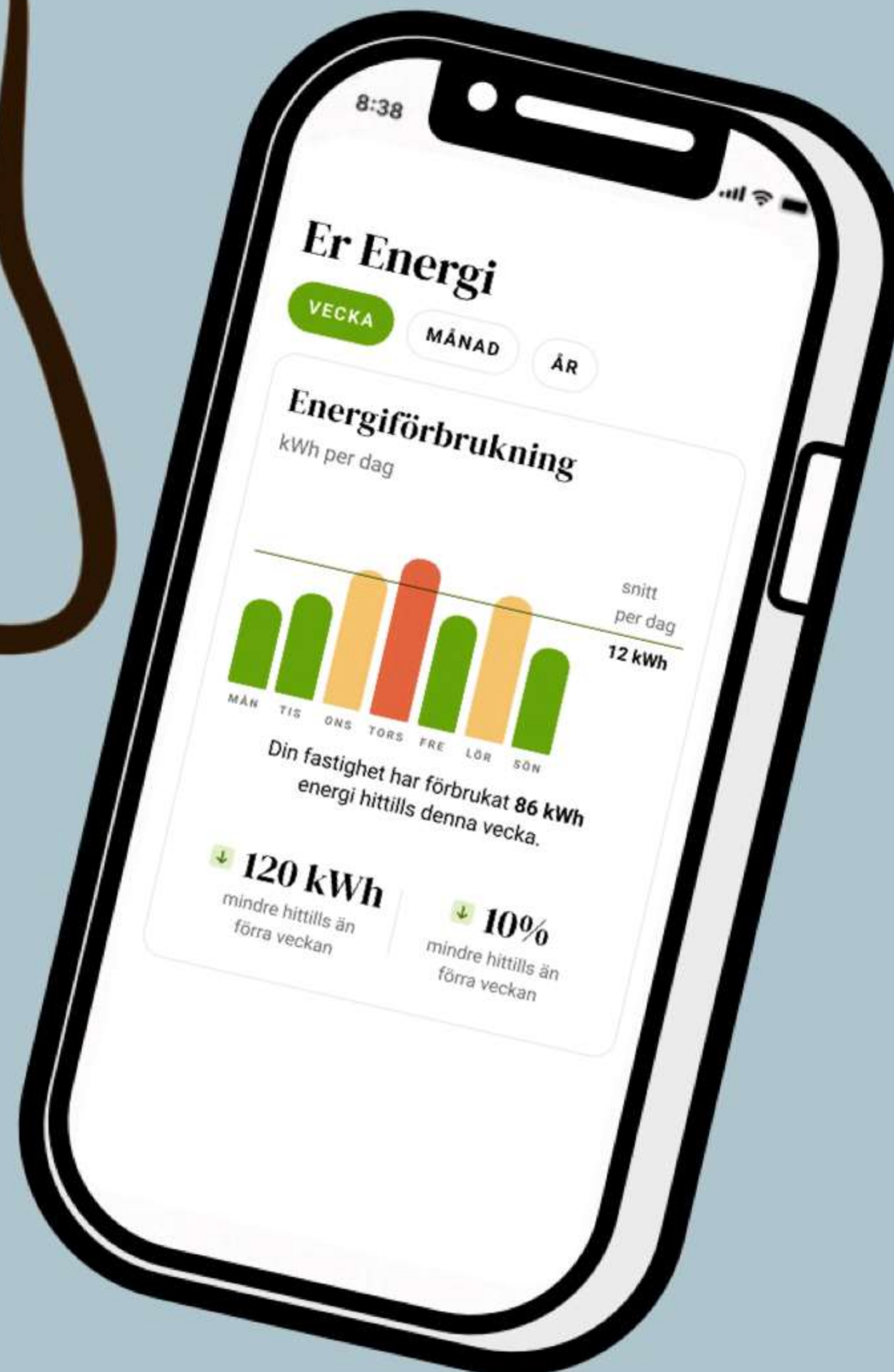
**GLOBAL NON-PROFIT  
ENERGY-PROTOCOL**



# Microgrid







**APP FOR ENERGY**





**CLIMATE NEUTRAL –  
ACTIVE DECISIONS**





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# *Power of Communities* *Co-creating Pathways* *to Climate Neutrality*



SPEAKERS



*Anh Minh*  
*Vu*



**NEUTRALPATH**

**Project Coordinator**  
**CITY OF DRESDEN**



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# Open Day in Dresden

May 2024

Three o'clock, the city of Dresden and Vonovia organised the first Open day for the local public: residents and children from the Dresden pilot and wider district.



Energize game



Scavenger hunt



Ice cream truck and prices

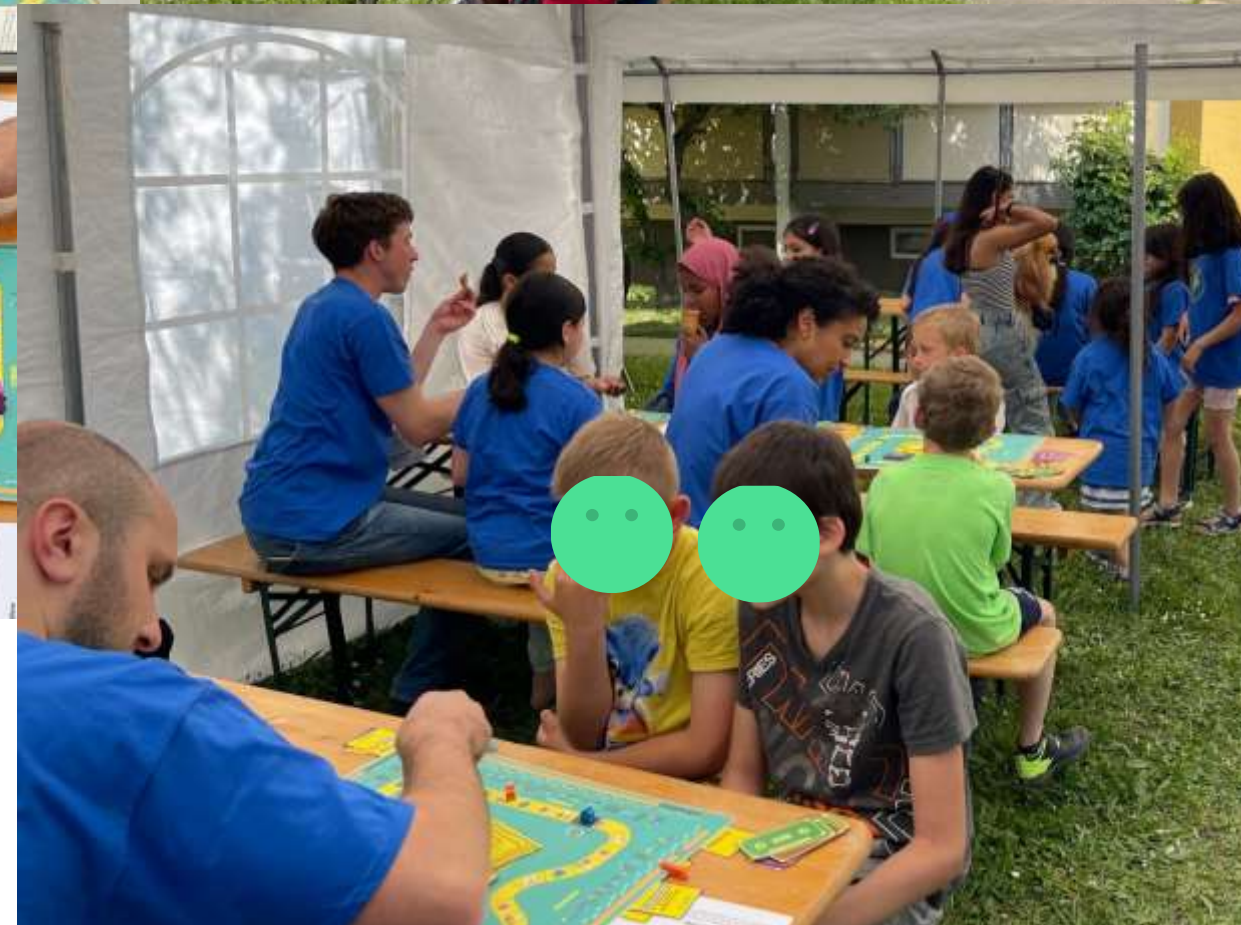


Communication and presentation to residents





About **70 residents**, including both children and adults, took part in the event and the feedback was very positive.





# Energize game

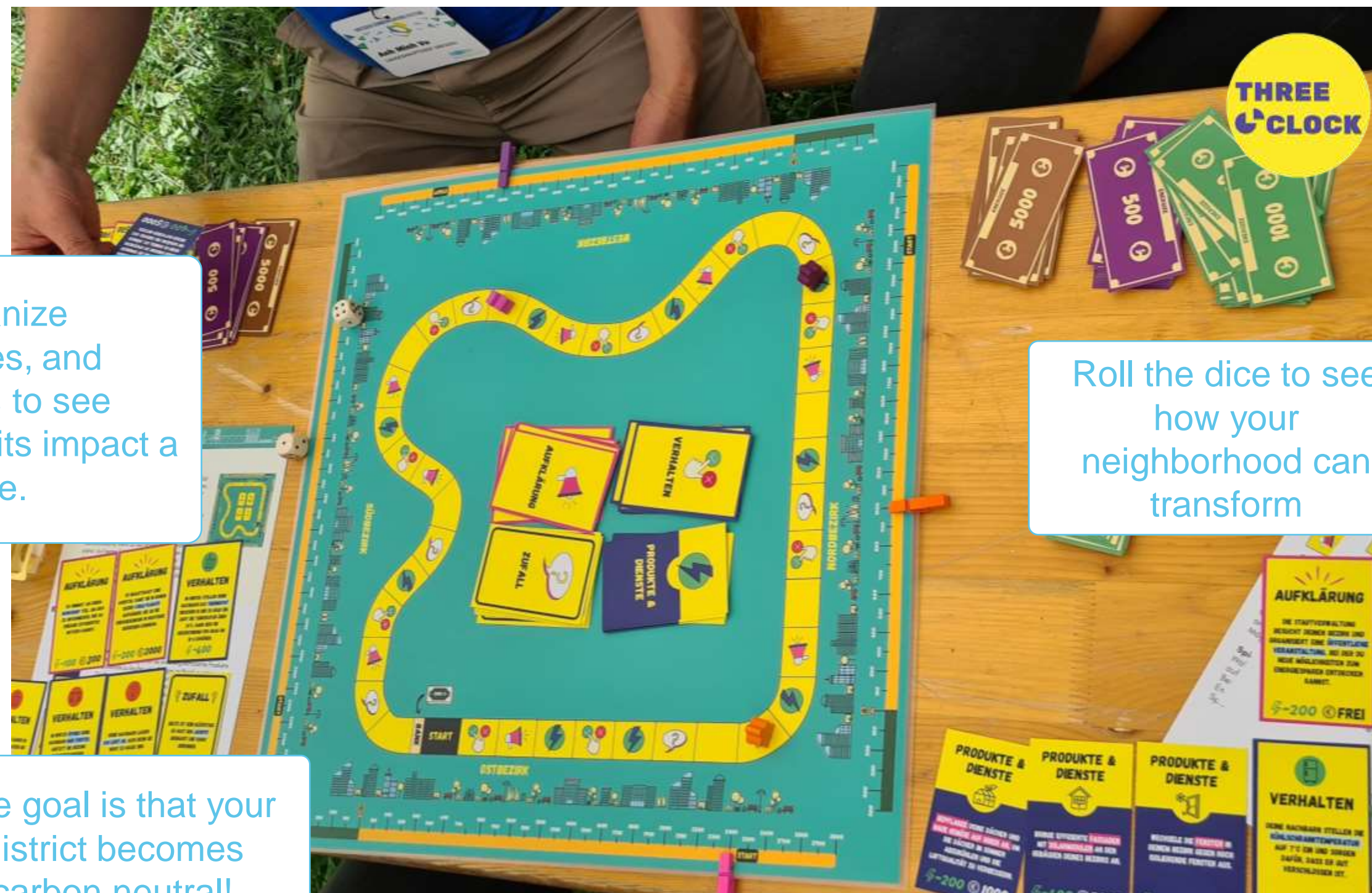
Energize” is an educational game where players learn about energy consumption, efficiency, and sustainability.

Buy products, organize awareness activities, and interact with others to see how individual habits impact a district’s energy use.

Roll the dice to see how your neighborhood can transform

The game has been tested in Dresden, Paris, Madrid, Valencia, and Istanbul with over 100 users

The goal is that your district becomes carbon neutral!





# Workshops in Dresden



May 2024: Expert exchange with urban planning experts and climate protection staff of Dresden



July 2024: Exchange on local heat supply on Site B, at the local district's office of Loschwitz with the local culture and home club, Ortsverein Pillnitz and urban climate protection experts



Sep. 2024: Exchange on reducing flow temperature of district heating on Site A, at the local district's office of Leuben with DresdenZero and urban planning experts



# Workshops in Istanbul Oct. 2024



Exchange with local experts



Open Day in Istanbul



Interactive exhibition  
(totem display)





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# *Dirk Ahlers*



**Re-Value**

**Project Manager and  
Senior Researcher**



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# Re-Value – Climate Neutrality, Urban Quality, Co-Creation

Agora: Power of Communities – Co-Creating  
Pathways to Climate Neutrality, Smart City Expo  
Barcelona 2024, 05.11.2024

Dirk Ahlers, NTNU – Norwegian University of Science  
and Technology

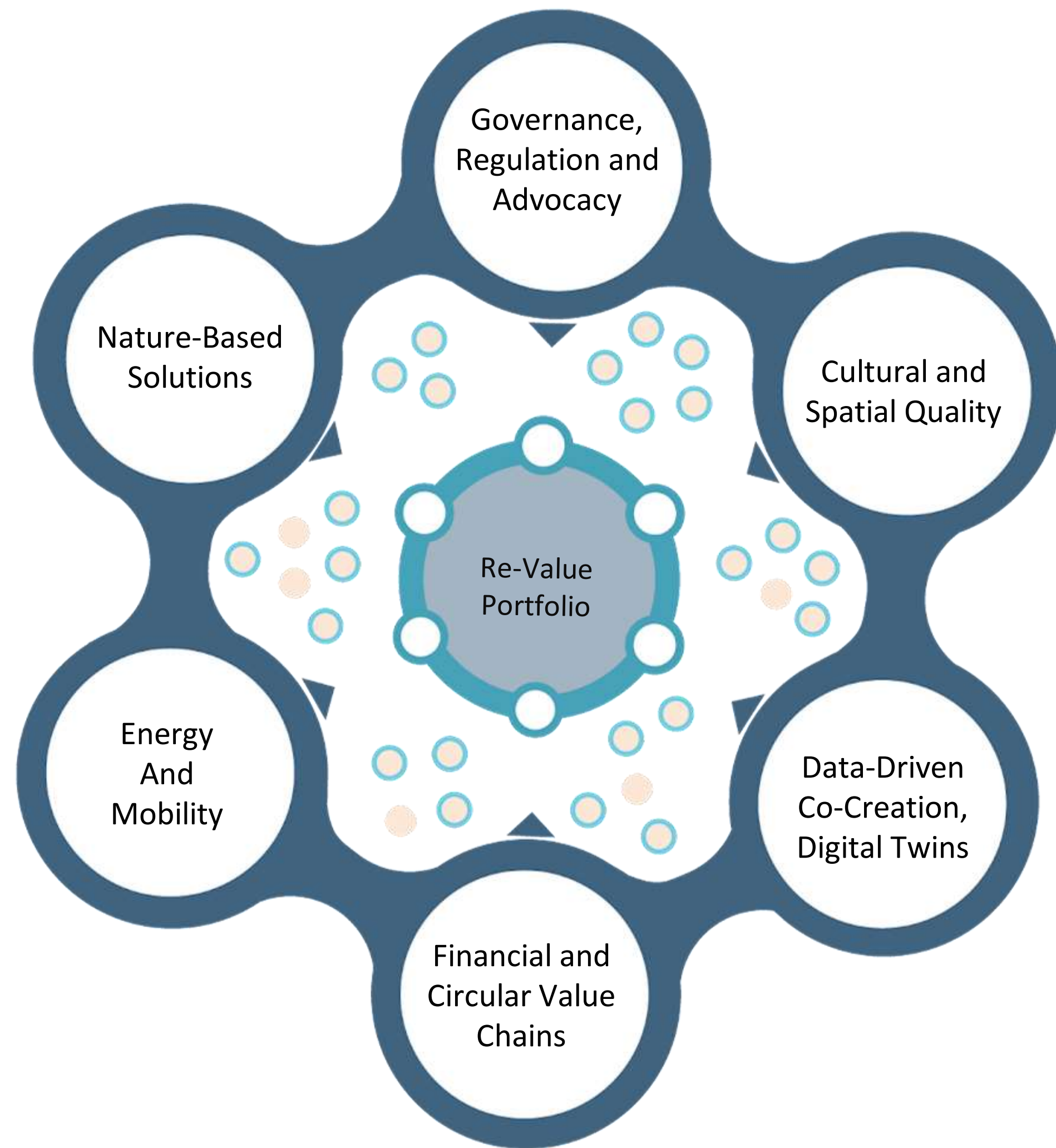


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Re-value





re-value









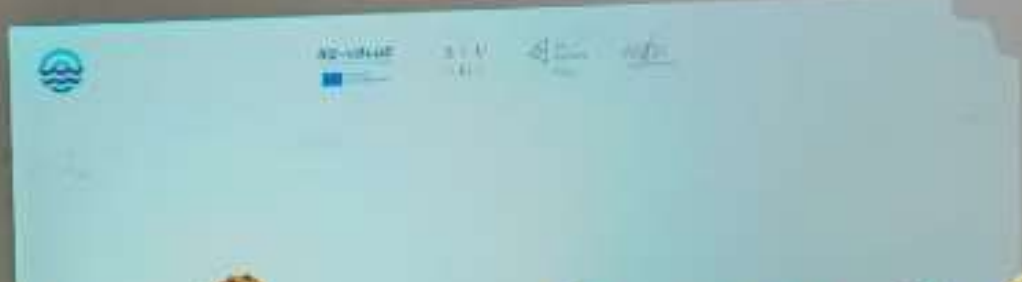
**re-value**





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# Co-creation is more important than participation



Re-Value



Kulturhavn



Re-value



# re-value



[www.re-value-cities.eu](http://www.re-value-cities.eu)  
[linkedin.com/in/re-value-cities-11b021264/](https://linkedin.com/in/re-value-cities-11b021264/)  
[instagram.com/revaluecities](https://instagram.com/revaluecities)





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SPEAKERS



*Leen  
Peters*

**Th!nk E** Th!nk E  
Founder



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Citizen-led renovation  
[www.citizenled-renovation.ec.europa.eu](http://www.citizenled-renovation.ec.europa.eu)  
[info@citizenled-renovation.ec.europa.eu](mailto:info@citizenled-renovation.ec.europa.eu)

# Citizen-led renovation phase II

Bsc., Msc., PhD Leen Peeters  
Th!nk E



#CitizenLEDrenovationEU



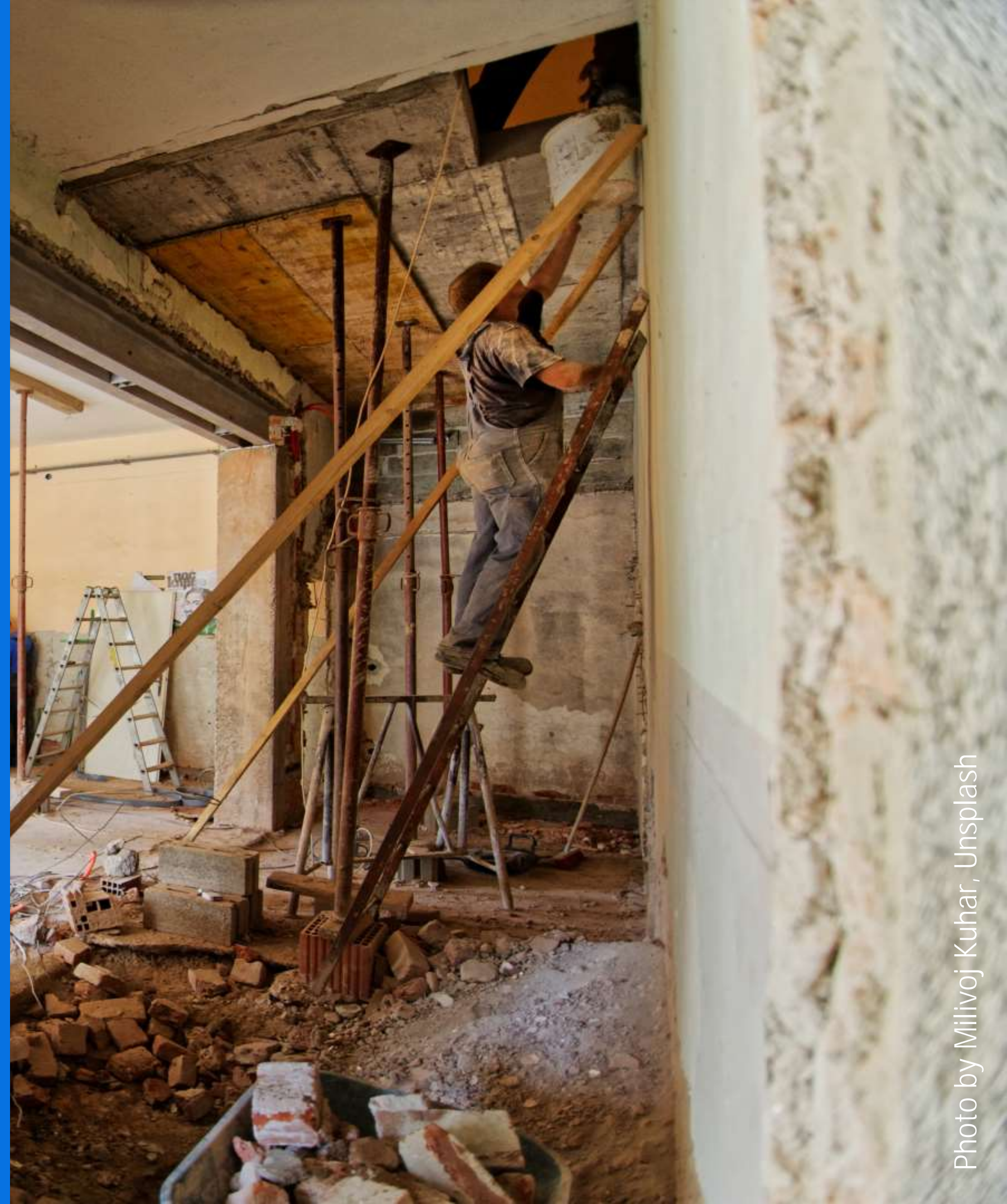
**Pilots  
Learners  
Followers**





# Thank you!

✉ [info@citizenled-renovation.ec.europa.eu](mailto:info@citizenled-renovation.ec.europa.eu)







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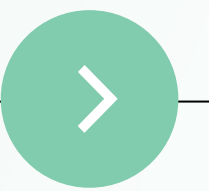
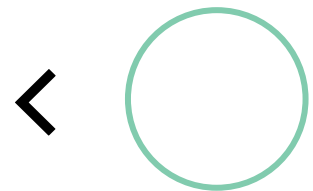
*Veronika Cerna*  
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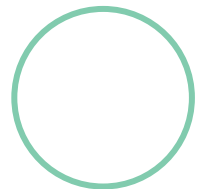
Communities play a key role in fostering sustainable urban growth. Can you share successful examples where community-led initiatives have driven measurable progress in sustainability within cities?

What strategies have you found most effective in enabling citizens and other stakeholders to take active roles in co-creating sustainable urban solutions?





How can digital platforms and smart technologies enhance civic engagement and give citizens greater control over the decisions shaping their communities?



What challenges have you encountered in balancing technological innovation with inclusivity and accessibility to ensure all citizens can participate in smart city initiatives?



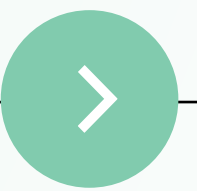
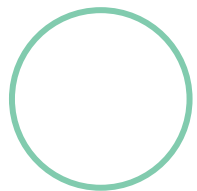
Can you give us some concrete examples and case studies?





The European Commission emphasizes inclusivity in urban transformation. What approaches have been effective in building social cohesion and inclusivity within smart city projects?

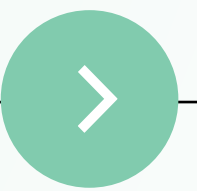
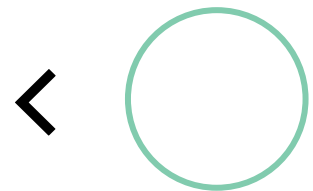
How can cities ensure that vulnerable and marginalized communities are equally represented and benefit from smart city advancements?





Energy communities are gaining momentum across Europe. How can cities further empower local communities to take ownership of clean energy production and distribution?

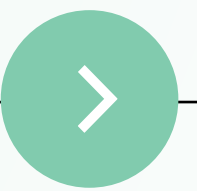
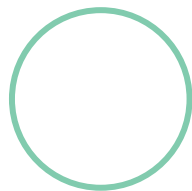
What are the barriers to building energy communities? How can they be replicated in other regions?





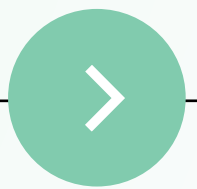
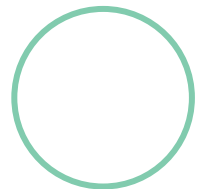
Can you share insights on the best practices for scaling successful local community initiatives to other European cities and regions?

What role does cross-city collaboration and knowledge-sharing play in scaling smart city solutions across Europe?





From your perspective, what types of policy and funding support are most critical from the European Commission to accelerate community-led smart city initiatives?



When it comes to replication, funding – and therefore financiers and VCs – will play a vital role in the wide rollout across Europe. Can/ Should cities and communities work together to obtain joint funding opportunities for maximum impact?

If yes, how? What are the best strategies to do that?





Looking forward, what emerging trends or technologies do you see as pivotal in strengthening the role of communities in the urban landscape?

How can we ensure that communities remain adaptable and resilient in the face of evolving urban challenges and technological advancements?

