



Gemeente Rotterdam



UNIVERSIDAD PONTIFICIA COMILLAS
ESCUELA TÉCNICA SUPERIOR DE INGENIERÍA (ICAI)



Power to empowerment

Master Thesis on Local Energy Initiatives

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Presentation structure

- Introduction
- Case of Rotterdam
- Research method
- Results
- Policy Design
- Conclusions

Introduction

- Local Energy Initiatives
- Local policy
- Bottom-up movement of the energy transition

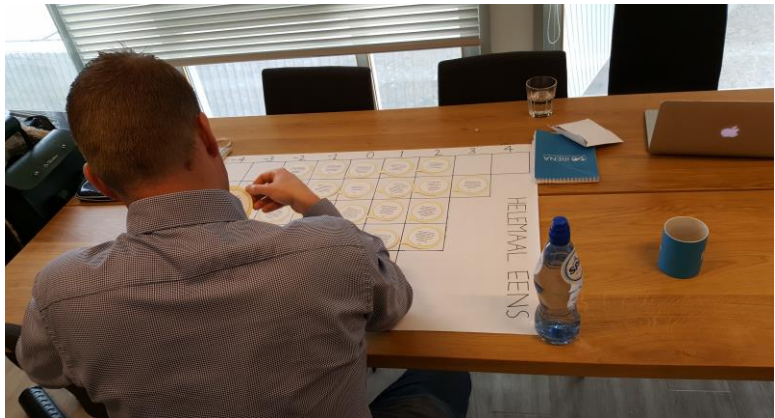
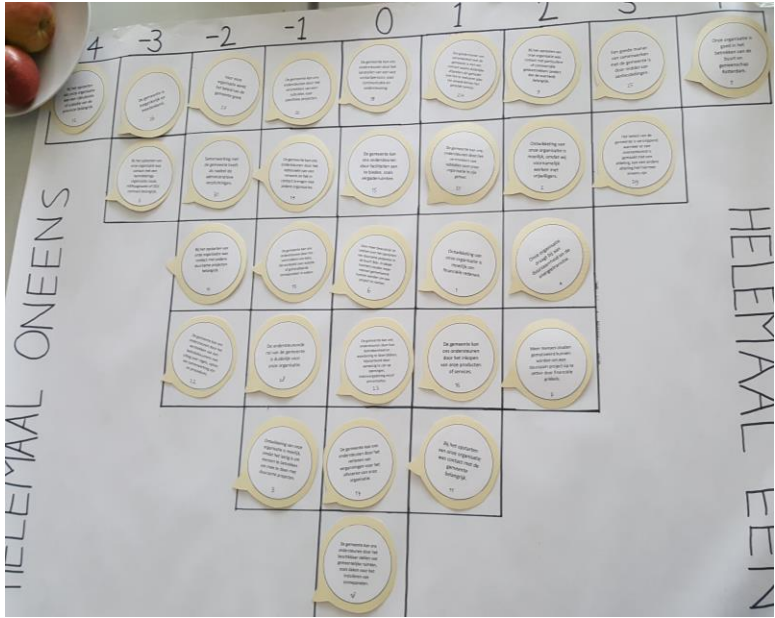
How can local policy motivate energy initiatives to contribute to the energy transition in the community of Rotterdam?



Case of Rotterdam

- Small emerging local energy community
- Municipality role
- 3 main problems to development:
 1. Entry barrier
 2. Make an impact on the long-term
 3. Become strong independent organizations
- What do the local energy initiatives think themselves?



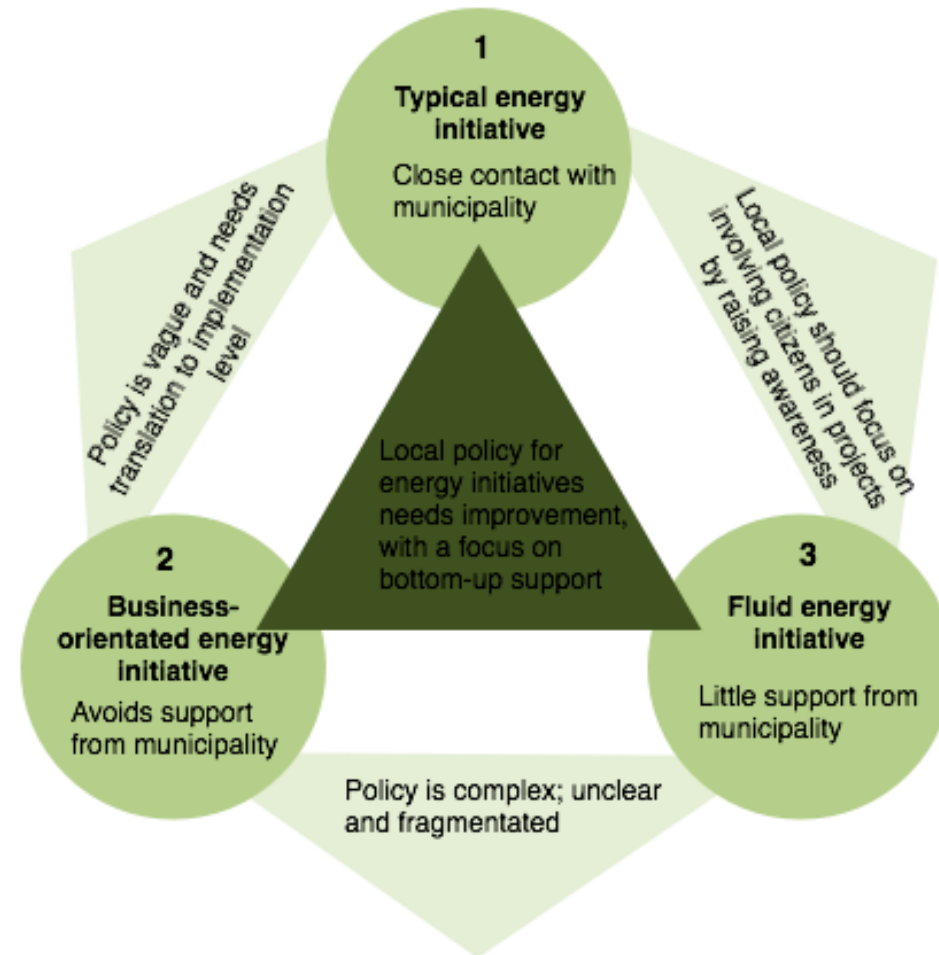


Research Method

- **Q-methodology**
“Combines quantitative and qualitative research”
- Aim: creating **perspectives**
- How to perform Q-method?
- PQ-analysis

Results

- 3 perspectives
- 3 different types of energy initiatives in Rotterdam
- Differences
- Similarities
- Which energy initiative contributes the most to the energy transition?



Bottom-up local support

Increase of energy initiatives

- Strengthen the local energy community
- Open data to energy initiatives
- Raise awareness under citizens

A long-term contribution to the energy transition

- Assign a direct contact
- Short-term financial support
- Offer flexible contracting
- Provide access to facilities
- Provide coaching sessions

Self-sustaining, independent organisations

- Strengthen the local energy community
- Provide coaching sessions
- Short-term financial support

Policy Design

Conclusion

How can local policy motivate energy initiatives to contribute to the energy transition in the community of Rotterdam?

- Focus on **typical** and **business-orientated** energy initiatives
- Strengthen the **local energy community** & raise **awareness**
- Most importantly: change from top-down to **bottom-up support** with recommended policy instruments



Source: Blijstroom

Thanks!
