Mapping stakeholders to enhance co-creative approaches on climate change adaptation

Focusing on the Greater Rotterdam Living Laboratory

Dr. Theresa Audrey O. Esteban Delft University of Technology



Outline of presentation

Brief background of the RED&BLUE Research Project

Greater Rotterdam Living Laboratory

Methodology

Stakeholder mapping, interest & resources

Conclusions



RED&BLUE Research Project

- Funded by the Dutch Research Agenda
- Transdisciplinary study calling for a collaborative and co-creative approach to designing climate resilient urban investment and development.
- It combines relevant scientific and practical insights.
- The goal is to bring together scientists and practitioners to co-develop an integrated climate governance strategy for the Dutch delta and beyond.
- The project composed of seven work packages each with its own specific research objectives that contributes to the goal of the RED&BLUE agenda.
- The Urban Use Cases which is the test-bed of the other workpackages is under the Greater Rotterdam Living Laboratory.

Greater Rotterdam Living Laboratory

Rotterdam

- Two urban use cases
- Merwevierhaven old port
- Bloemhof

Dordrecht

- Two urban use cases
- 19th century ring
- Maasterras new development



Urban Use Cases - Rotterdam, Dordrecht

- Identify and understand the challenges, barriers and enablers for the implementation of integrated real estate and infrastructure climate risk management strategies in urban delta areas
- Develop co-creative approaches for the local agenda-setting, development and implementation and integration of equitable and just real estate and infrastructure climate risk management strategies
- Test and validate models, methods, approaches, strategies, tools and solutions developed in a realworld setting
- Identify conditions and requirements for the development and implementation of inclusive, equitable and just urban outcomes

Stakeholder Mapping Methodology



- Internal workshops
- Initial categorization quadruple helix: government, citizen, academia and business
- Interviews snowballing
- Qualitative scoring of stakeholder interests
- Total of 61% interviews from the targeted list of interviewees
- Stakeholder categories cross referenced with initial list
- Processing through Atlas.ti
- Gigamapping

Data analysis and results

Initial categories of stakeholders and their interests

Institutional actors	*Knowledge creators	Citizen stakeholders	**Private/Business
 Municipality of Rotterdam Municipality of Dordrecht Rijksdients voor Ondernemend Nederland (RVO) Rijkswaterstaat Waterboards 	 Academia Research institutes Applied science 	• Homeowners	 Insurance companies Banks Contractors Housing corporations Real estate developers
Interest: Gain additional knowledge and scientific studies for the current and planned projects. Contact with scientific and applied researchers. Access to state-of-the-art scientific results. Wider transmission in their own organisations.	Interest: Conduct socially relevant scientific and applied research; expanding network.	Interest: Environmental improvement	Interest: implementation of their technology; profit; contribution to company social and environmental responsibility



Network codes



Interviewees interest on the living laboratory and urban





Stakeholder resources network



Conclusions

Key take aways

Key take-aways of the study

- The study offers a stakeholder categorization to aid in the initial stages of the co-creation process in the RED&BLUE research
- Gigamapping offered a way to visually represent the categories, interests and resources of the stakeholders while also highlighitng the constellations and clusters that emerged
- Through the clusters and constellations the study showed the parallel and central position of knowledge providers and local government which indicate the need to promote further integration.

