



## CONTENT

- 1. Geo-Information tools for addressing wicked policy problems
- 2. The technology: Maptable PSS
- 3. Case 1: Energy transition in the Netherlands
- 4. Case 2: Environmental health inequalities in German cities
- 5. Conclusions

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GOVERNANCE AS AN ATTEMPT OF STAKEHOLDERS TO STRUCTURE POLICY PROBLEMS				
Spatial Knowledge	Policy Goals and Values			
	Consensus among Stakeholders	Dissensus among Stakeholders		
Certain (facts and cause–effects)	<ul><li>(1) Tame or structured problems</li><li>Debate on technicalities</li></ul>	(3) Moderately structured problems - Participation to debate goals and values		
Uncertain (facts and cause–effects)	(2) Moderately structured problems - Participation to debate cause–effects and optimize the collection of facts	(4) Wicked or unstructured problems - Endless debate		
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## EVALUATION OF MAPTABLE PSS AND PARTICIPATORY PROCESSES

- 1. Focus on usability of the tool (Russo et al. 2018)
- Focus on usefulness of the tool: Effectiveness (Arciniegas et al. 2012, Added values (Pelzer et al. 2014, 2016) Social learning
- Most participatory workshops using maptable PSS are done with expert stakeholders, hardly any studies involving layperson

Our research questions

- Do these tools help increasing levels of participation in processes?
- Do they help integrating other (groups of) stakeholders/beneficiaries in processes?
- help overcoming the aforementioned challenges of participation

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FRAMEWORK FOR EVALUATION OF PUBLIC PARTICIPATION INVOLVING A PSS		
		Evaluation criteria
Participatory Process	Public dialogue	Transparent: information about issues and process is available
		Inclusive: all stakeholders and views are heard and respected
		Fair: no dominating group or person
	Social learning	Raising awareness: participants are informed about issues and stakes, they increase their knowledge about an issue
		single loop learning: changing behaviour to address a challenging situation
		double loop learning: reflecting underlying assumptions and values
Outcomes of	of Issue related y outcomes	Issues captured: participants priorities and preferences revealed
participatory process		Knowledge integrated: participants tacit/ experiential knowledge is added
		Consensus achieved: acceptable solution found
	Social outcomes	Ownership: participants are committed to the plan
		Mutual understanding: participants understand each other's perspectives and issues
		Community building: development of new collaborations, improved social cohesion
		Ref.: Flacke et al. 2019 (Forthcom





















## THE ISUSS-TOOL AS A PROBLEM RECOGNIZER SOME QUOTES FROM THE STAKEHOLDER REFLECTION co-creation by providing a "dialogue space" where evidence-based discussion is encouraged [ ... ] because you get together in a different setting [bring different knowledge] and talk about specific issues [that the individual perceive as important], it is something completely different compared to just presenting some statistics on a screen [ ... ]. $[\ \dots\ ]$ when you use the indicators shown in the maps for discussions in the city council, you discuss based on fact and not about what you believe. enhanced communication facilitated by the combined use of the interactive maps and the rich picture Concerning the topics of noise and air pollution it may be sufficient [showing them on the MapTable]. But I see another field, i.e., the field of health insurance. I had the feeling that in the beginning this doesn't fit into the map. But it is relevant when talking about city as a healthy living space. So, I mention it here at the end [showing the rich picture]. UNIVERSITY OF TWENTE.



