









SPADE

Assessing the added value from SPAtial Development as a factor in infrastructure planning

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Lack of different perspectives

----- Lack of stakeholders involvement

Decision-making in infrastructure planning is problematic

Lack of integrated development

Leading to low quality infrastructure projects



----- How to include different perspectives?

---- How to involve stakeholders?

How to assess integrated infrastructure development plans?

How to consider different effects e.g. economy, societal, environmental

SPADE method: an assessment method for the collaborative planning of infrastructure and spatial development



The SPADE Method

consists of:



Steps to integrate the tool into the planning process and ensures a collaborative planning process



Assessment methodology facilitating collaborative assessment of measures

The Tool:

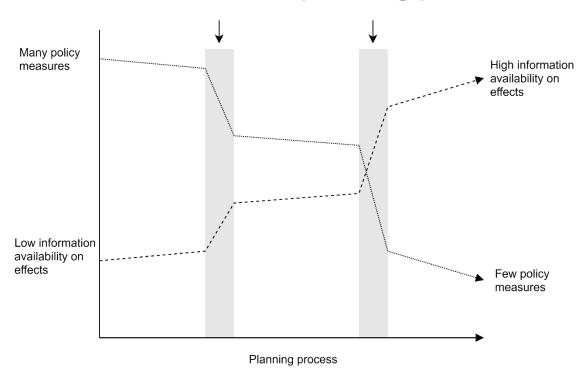
Based on an extensive literature review

Combines CBA, MCA, e-participation and a digital workshop into a single approach

Stakeholders discuss and rate various measures according to various criteria (accessibility, economy, safety...) in a focus group-like setting using a computer-assisted MCA/CBA



Application moments of SPADE in the planning process



Advantages:

Speeds up the decision-making proces

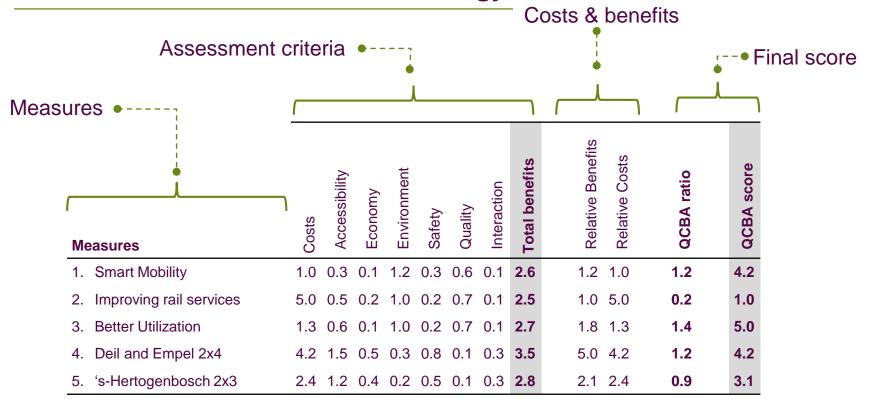
Reduces the number of potential policy measures

Increases understanding of potential effects

Gains stakeholders support through involvement

SPADE Tool Assessment Methodology:





The purpose of the assessment method is to spark a discussion about the planning issue



Intergration of the tool in the planning process:

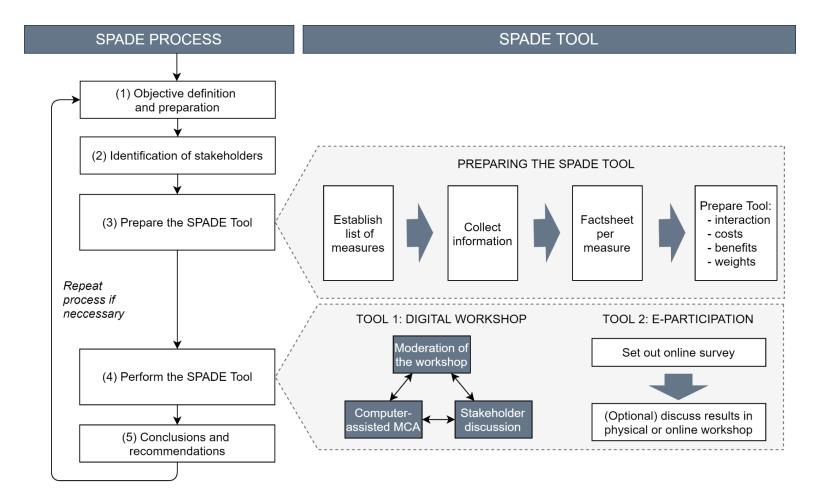
Tool 1: Digital Workshop

- +/- 10 attendants from different backgrounds.
- Focus group based on democratic discussions.
- Measures are rated live by the stakeholders using a computer.
- Each attendant contributes actively.
- Discussions about the rating.
- Requires good moderation.

Tool 2: E-participation

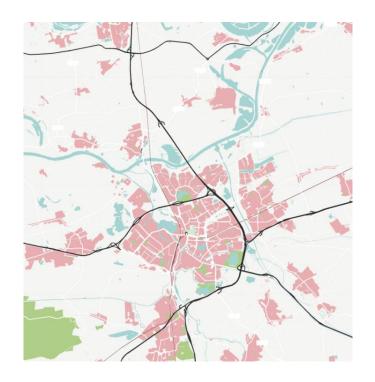
- > 10 attendants from different backgrounds.
- Measures are rated using an online survey.
- Results are discussed with stakeholders afterwards in an physical or virtual meeting.
- Results can be analysed before being discussed with stakeholders.







Case 1: Deil-Vught A2 Programme

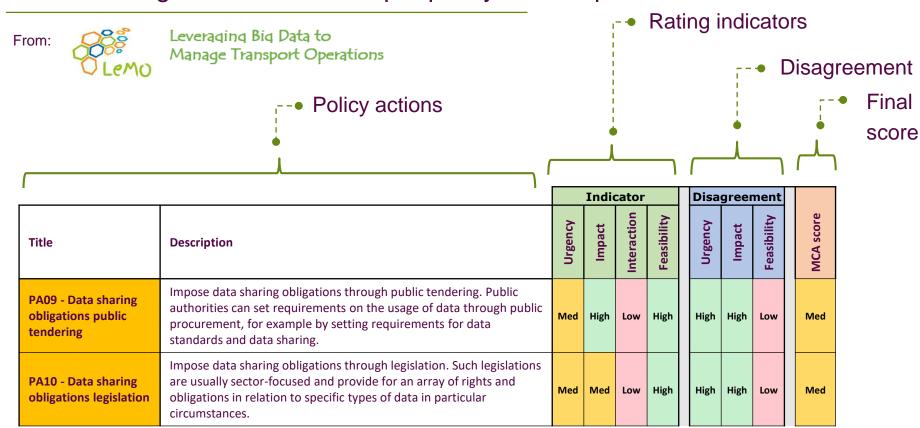


Case 2: Linz Greater Area





Case 3: Using SPADE to develop a policy roadmap





Preliminary findings:

- Allows for combining a diverse set of measures and criteria
- Provides stakeholders insight in the more promising and less promising measures
- Method enables combining different criteria, use different types of qualitative and quantitative data and make measure comparable
- Flexibility of the SPADE method is an important feature
- Using quantitative analysis reduces human bias
- The method needs to be simple so as to not raise too many methodological questions

What's next?



More testing



Develop SPADE guidelines

Key facts & Contact



Duration: 24 months

09/2018 - 10/2020

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Project Partners: Panteia
Research to Progress









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