

planning support for sustainable urbanization

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outline

- **context**
- **goal**
- **background**
- **question**
- **methodology**

context: cesar

- two sar: climate and environmental change and sustainable accessibility of the randstad
- study impacts of climate change on mobility and accessibility of randstad
- develop effective means to bring this knowledge where it belongs: the planning process



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context: cesar

- weather / climate and mobility
- urban environment and climate change
- planning support in different governance and control contexts
- planning support for sustainable urbanization

research goal

to contribute to the attainment of sustainable spatial planning by bringing knowledge of climate change and mobility behavior into planning processes

sustainable urbanization

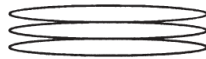


planning process

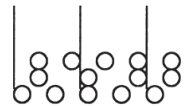
communicative turn



The phase model



The stream model



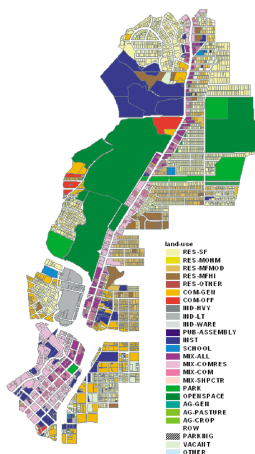
The rounds model

– and re-turn?

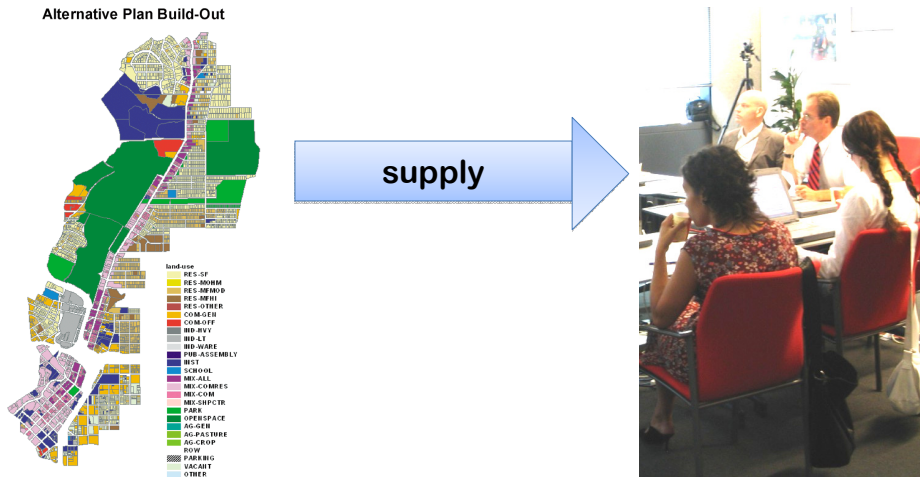


planning support systems

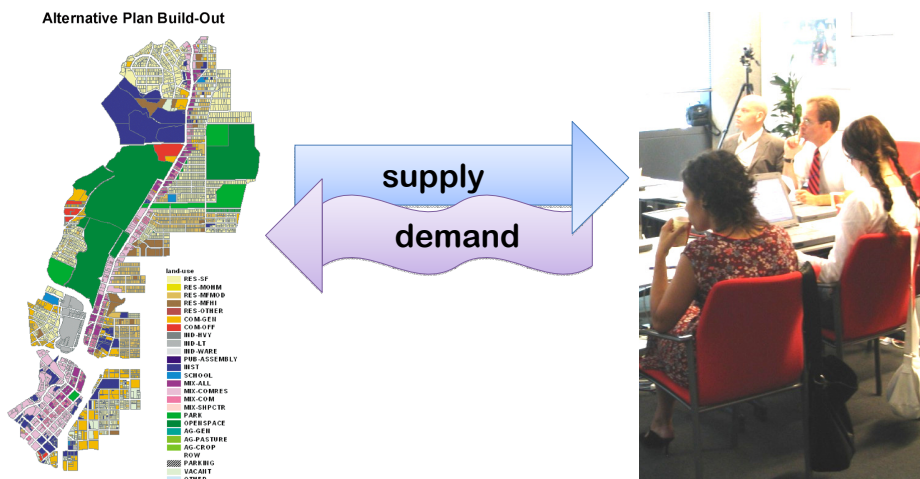
Alternative Plan Build-Out



planning support systems

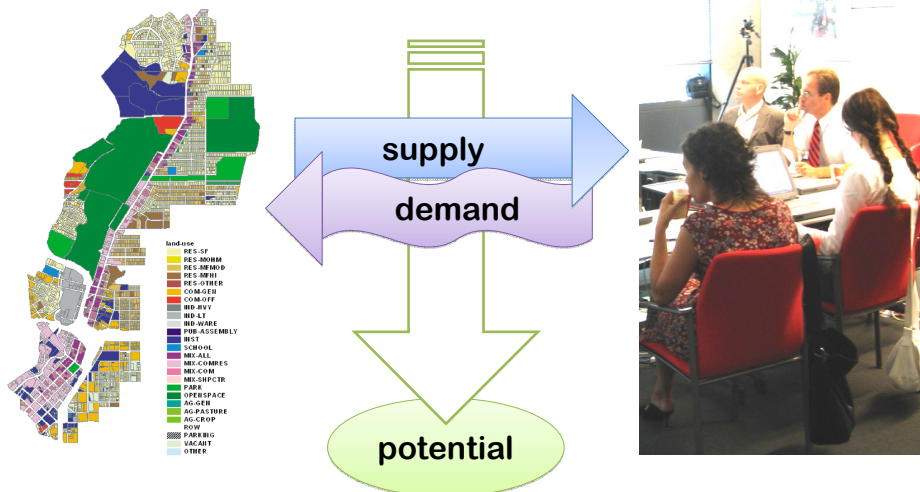


planning support systems



planning support systems

Alternative Plan Build-Out

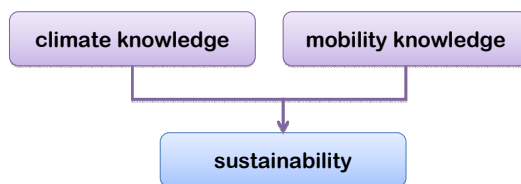


research question

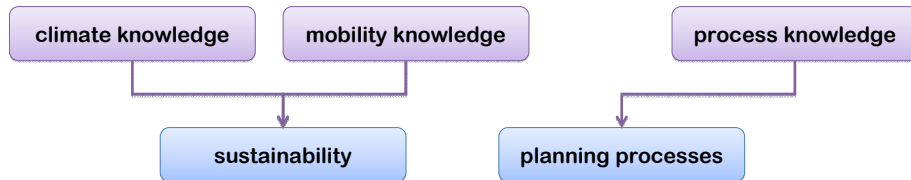
in what ways and to what degree can planning support methodologies assist in the achievement of sustainable urbanization, by providing innovative knowledge for and within interactive planning processes?

research steps / methodology

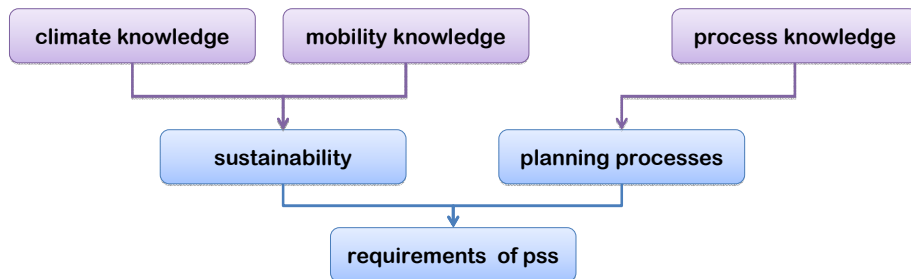
research methodology



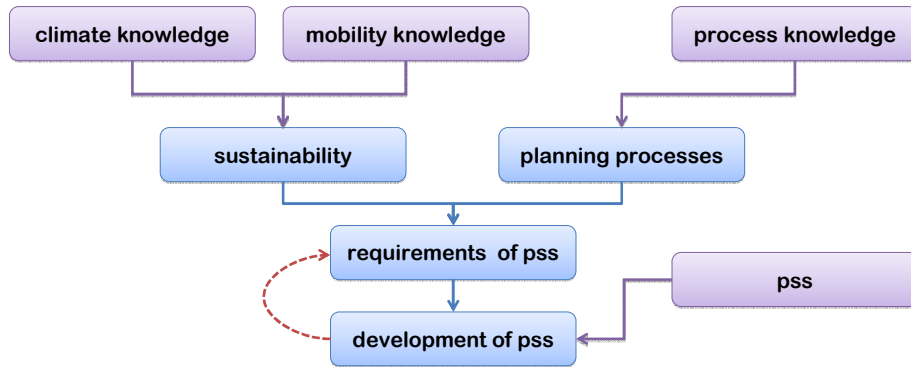
research methodology



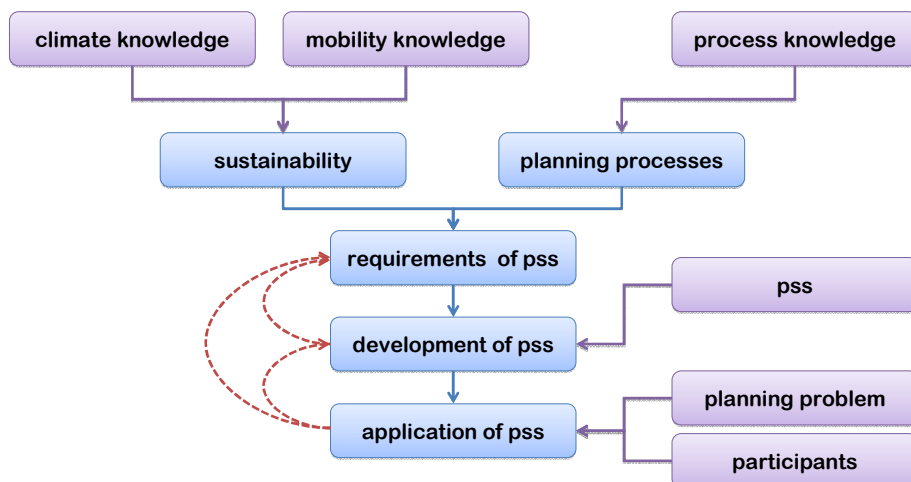
research methodology



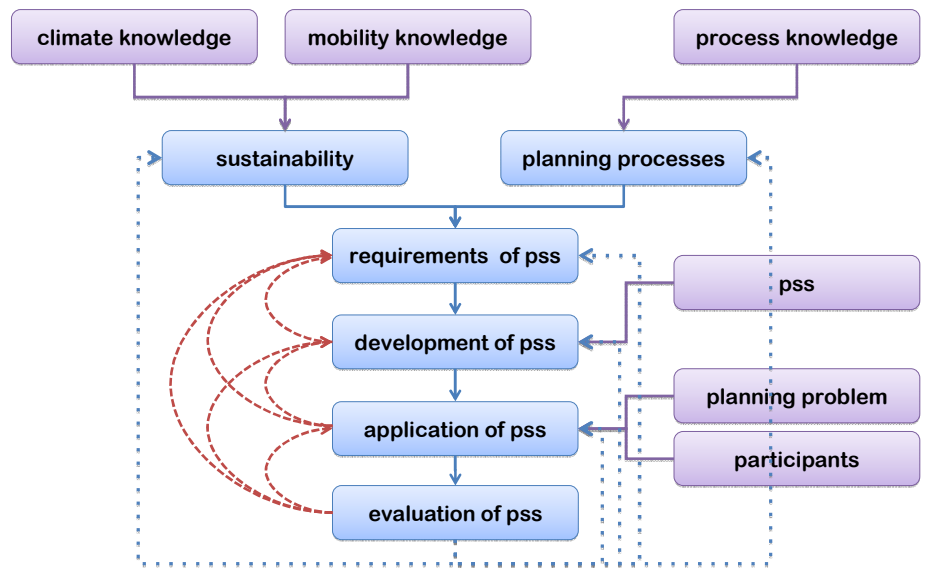
research methodology



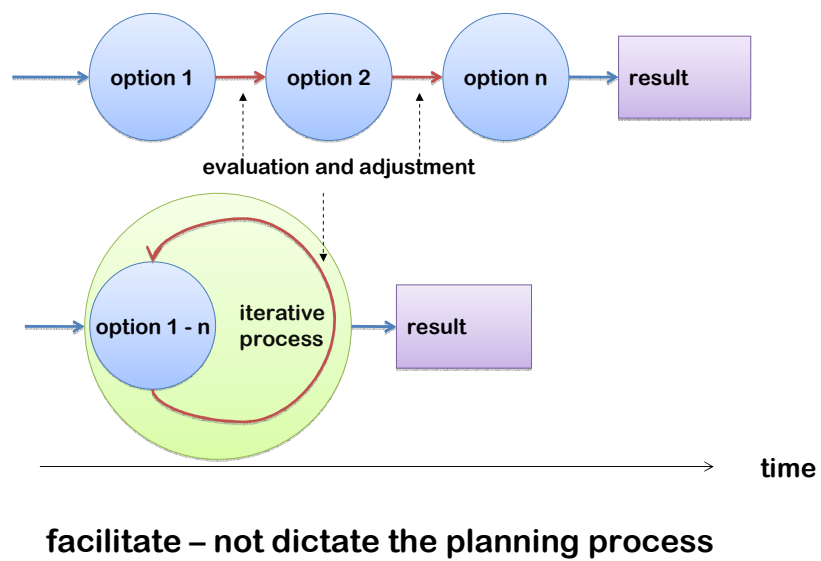
research methodology



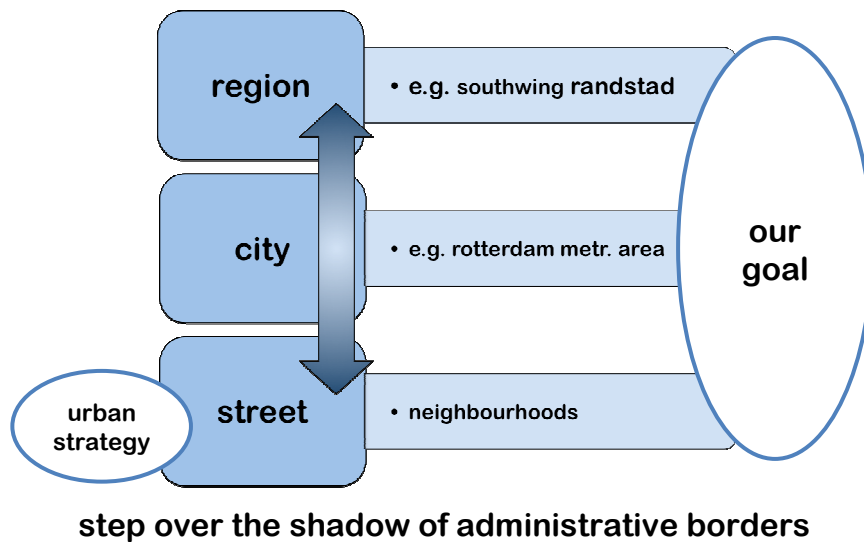
research methodology



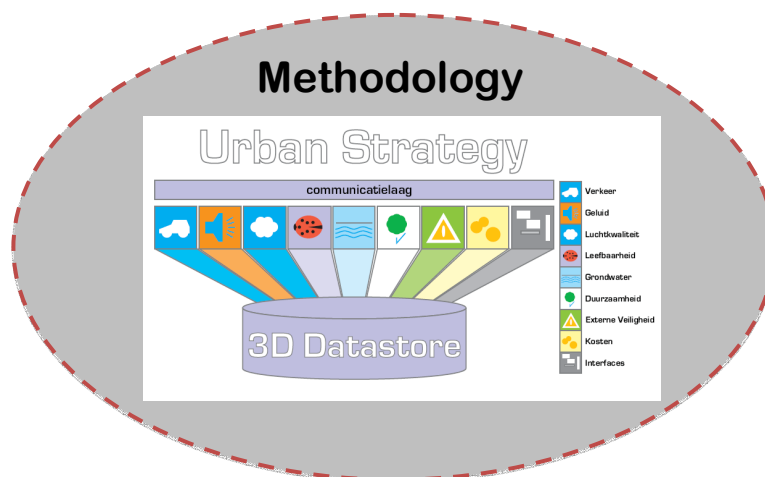
requirements of pss



requirements of pss



development of pss



where supply and demand meet

application of pss



planning for sustainable urbanization

evaluation of the pss

- “better informed” planning?
- “more sustainable” plans / scenarios?

evaluation of effectiveness

we aim to achieve

- **“better informed” planning and
“more sustainable” plans / scenarios**
- ...due to innovative planning support**

thank you for your attention

research funded by:



additional questions / suggestions:
contact me at n.vandervaat@geo.uu.nl

more info on cesar research consortium:
check the cesar blog at <http://cesar.nvdv.eu>