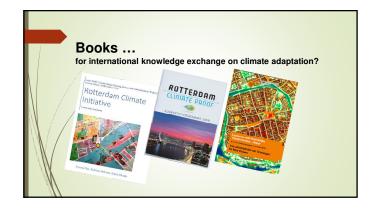






# Typical questions that the governments of these cities have are: How to raise awareness among communities? How to involve residents in the process of becoming a climate proof city? How to collect data – at street and neighborhood level (low-cost & low-tech) How to share Best Management Practices (BMP)?









# Method should:

- 1. raise awareness among citizens and other stakeholders about vulnerability,
- 2. contribute to capacity building among stakeholders
- 3. increase support for the implementation of climate adaptive measures at the local level.
- A very important aspect of the method is the selection of 'the wicked problems' or challenges in the city where the City Scan will take place

### Definition of the method city scan: after stakeholder analyses for climate adaptation scan of their city

- A City Scan should be:
- Addressing 'wicked problems'
- Quick scan (1/2 weeks)
- Participation quadriple helix
- Young professionals
- Linked to international projects
- Result: concrete data or insights
- · low-cost, low-tech methodology Insight in vulnerability
- Method up scaled to other cities

Innovative

Multidisciplinary

• Field and interaction

• Tangible end results

• Evaluate and optimize

Education, participation, dissemination .

# Global challenges in urban climate change: The wicked problems.....

The City Climate Scan methodology: to Measure, Map, and Assess (MMA) different parameters that provide insight into the vulnerability of urban areas and neighborhoods.

# 19

For the Rotterdam City Climate Scan (September 2017), the following challenges were selected: risk of flooding, heat stress, water quality (micro-pollutants and plastic waste) and air quality.

Challenge	Method	Results
Urban floods	Mapping floadings and intifration capacity measurements with infiltrametertest	intilitation capacity (see next paragraph
Hiteshess	Dynamic and static measurements of lemperature an several surfaces in the urban dense area with heatcameras and sensors	<ul> <li>Mup with heatshess in the orban dense and groon areas in the city</li> </ul>
urban waterquality mirco polutants	apps and leshings and underwalendranes with camera's and sensors	grab samples of nutrionls in urban water
urban waterquality marco polutants; plastic waste	"square method" the type and amount of plastic waste is determelined at 1m <sup>2</sup>	waste per m²



