

Future Cities

urban networks to face climate change

Making city regions fit to cope with the predicted impacts of climate change



THE "FUTURE CITIES ADAPTATION COMPASS"

A guidance tool for developing climate-proof city regions



International exchange: Hastings, a town on the South East England coast, explored its vulnerability; the experience is incorporated in the Future Cities Adaptation Compass.

Idea

- A guide for urban administrations, planning associations, project development organisations and water boards
- Structure working steps
- Present practical solutions

Aims

- Identify the need for actions
- Select and combine measures
- Prepare decision for implementation

Practical experience

- Future Cities pilot projects: implement innovative measures
- Review effectiveness
- Improve results with international experience

Check vulnerability

- Select relevant receptors
- Analyse weather sensitivity and adaptation capacity
- Identify spatial relevance
- Learn from former events and impacts

Understand climate change effects

- Climate variables: trends for the Future Cities regions
- Handling uncertainties in a practical manner

Review input data and monitor actions

- Update input data
- Monitor results of actions taken

Appraise risks and opportunities

- Identify positive and negative consequences for the receptors

Determine the need for action and select measures

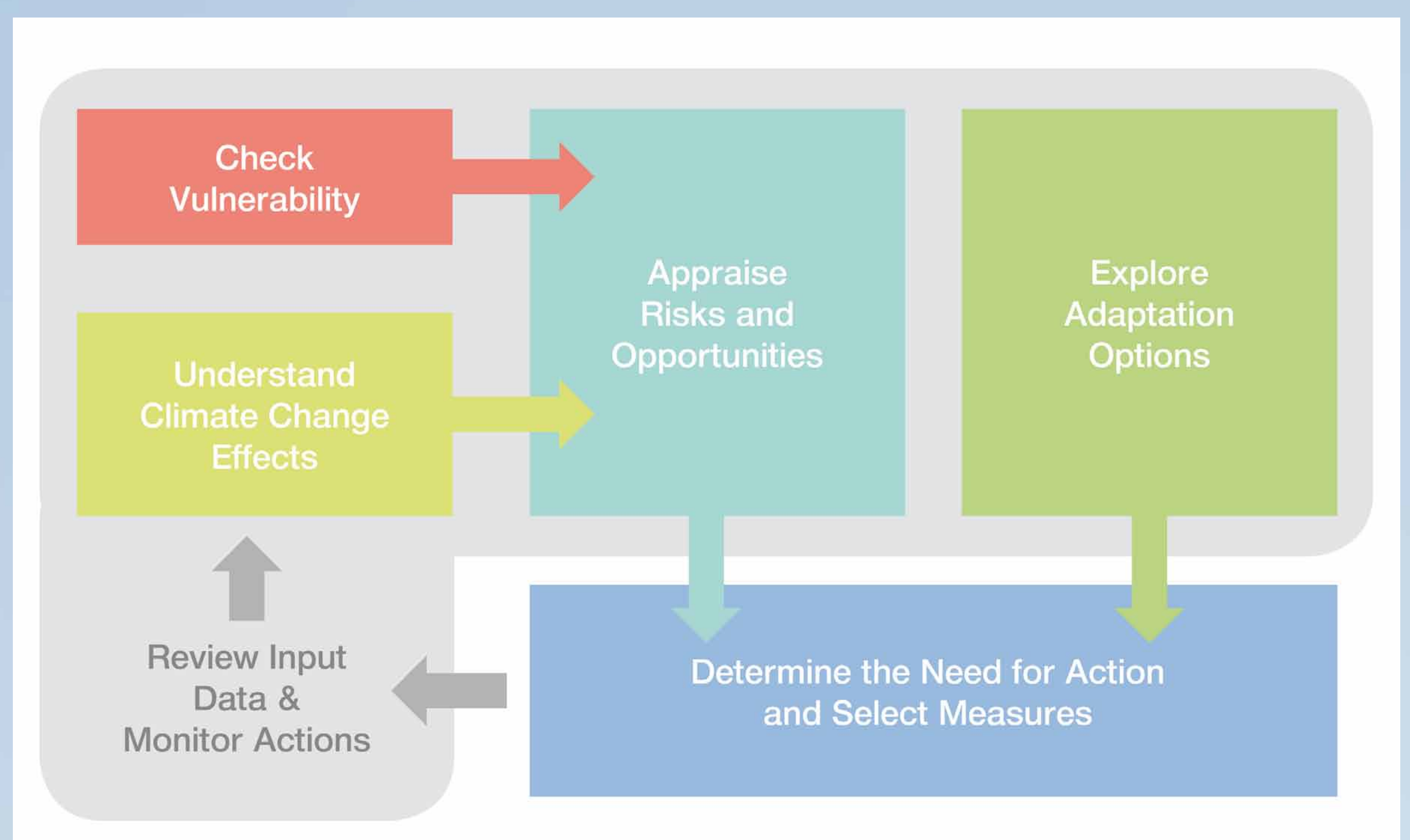
- Identify core problems
- Choose suitable adaptation measures
- Prepare discussion with decision makers

Explore adaptation options

- Identify measures with green structures, water systems and energy efficiency
- Combine measures for synergy effects
- Include mitigation measures
- Practical experience: the Future Cities pilot projects



Analysing the city climate of the City Region Arnhem-Nijmegen (The Netherlands) with special bicycles



ABOUT FUTURE CITIES

Project aim: Making city regions in Northwest Europe fit to cope with the projected impacts of climate change.

The Future Cities strategy: Combining selected urban key components for proactive transformation of city structures.

Four work packages: Develop guidance tool, action plans for transformation, implement pilot projects, targeted awareness raising with disseminators

Project duration: 2008 – 2012

Project assistance and development of the Adaptation Compass:



In Rouen, in the North of France, a climate sensitive quarter is being developed on a former port industry spot.

INFRASTRUKTUR & UMWELT
Professor Böhm und Partner

PROJECT PARTNERS

