

Interactive climate visualization

12.05.2016 – luuk.masselink@wur.nl



My research



Wageningen University



Climate Adaptation Services



Climate-KIC

This presentation

- Visualization is important
- Interactive visualization
- Challenges and lessons

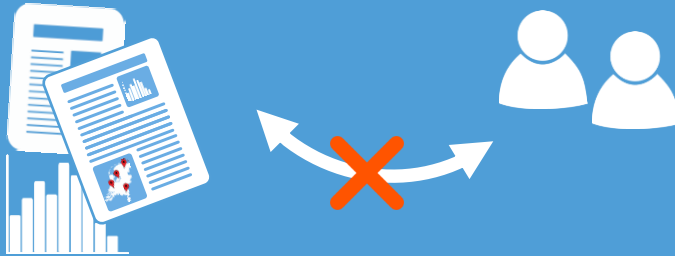


Adaptation is local?

Reckien et al. 2014

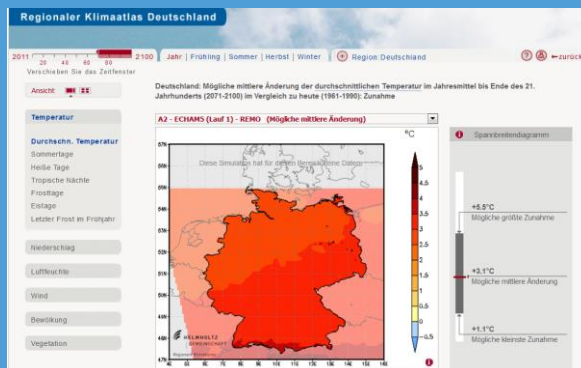


Climate services can help...



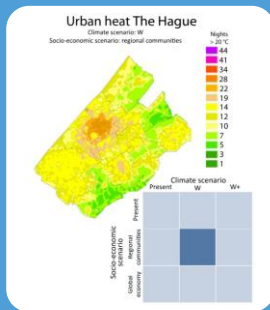
“... Climate services do not reach the last mile where it is needed, (...) particularly at community level...” (WMO, 2014)

Climate data portals as climate services

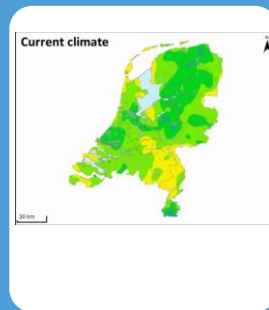


15 scenarios and model combinations
13 time steps
4 seasons and yearly average
= 975 maps per climate indicator

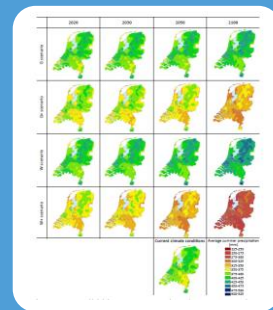
Visualization of climate data



Interactive



Animated



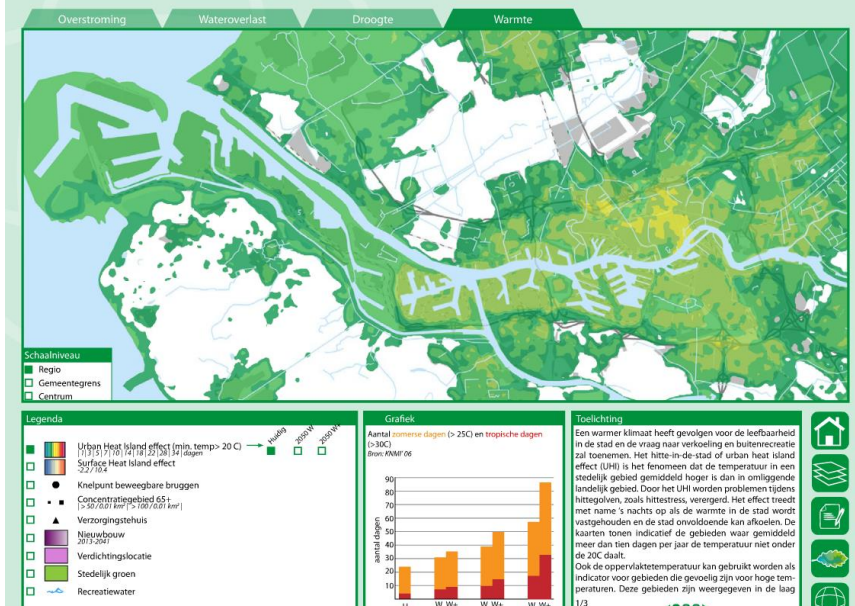
Static

Interactive atlases for value creation

- Simple (no GIS)
- Co-creation; top-down ↔ bottom-up
- Joint problem analysis; supported maps

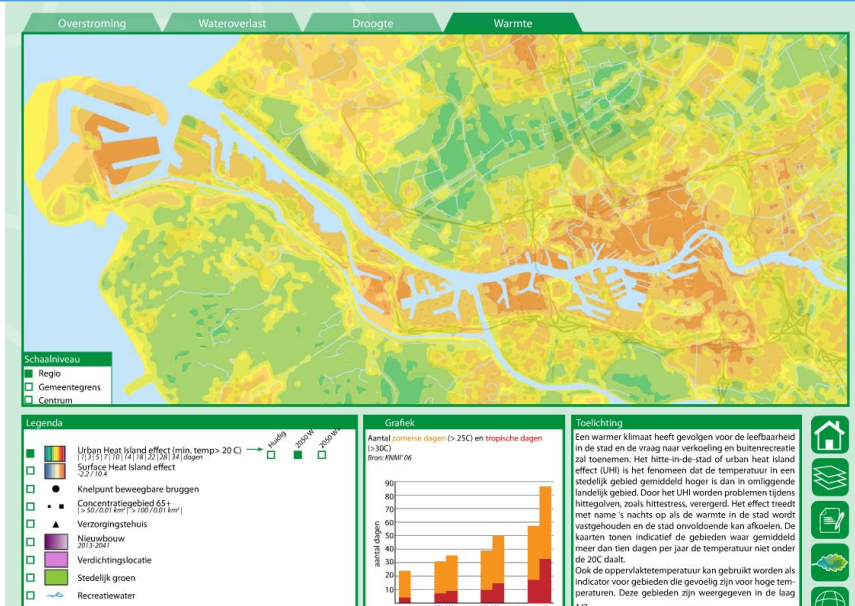
Interactive atlases

<http://www.climateadaptationservices.com/en/producten>

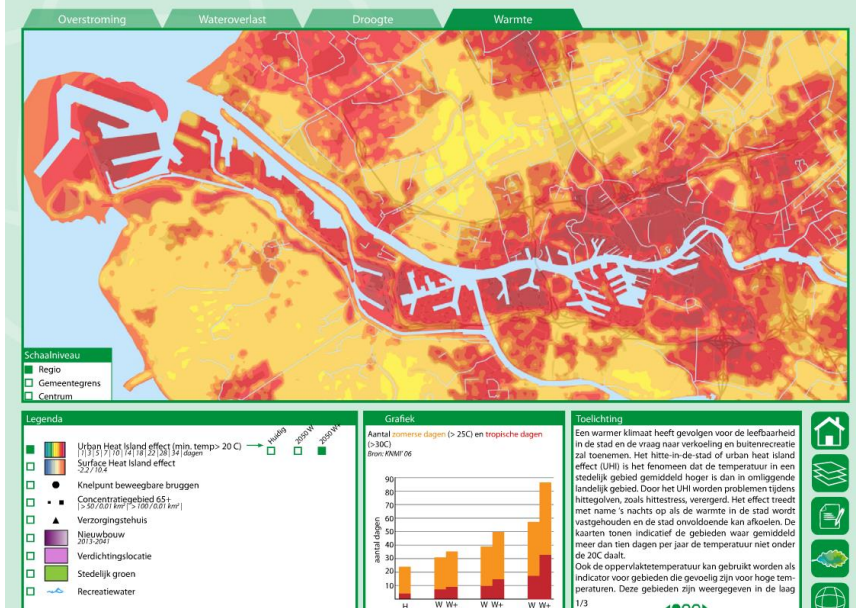


Interactive atlases

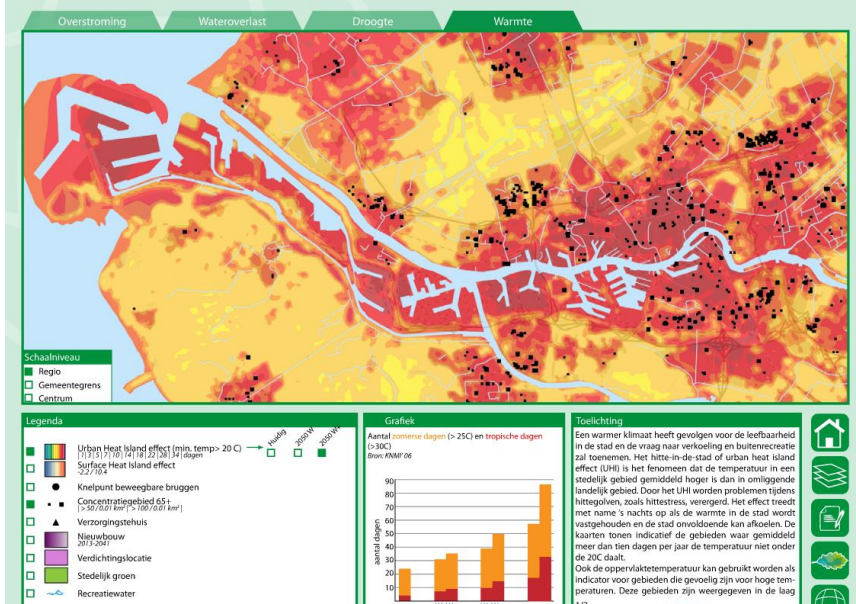
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Challenges

- Keep it simple vs. research interests
- Visualization (often) no research component
- Combining different data for consistent story

Lessons

- Co-development; use local knowledge and data
- Keep it simple
- Adaptation goes beyond single adaptation-planners
- It's not about climate change
- Visualization influences research impact in practice

And that is why...

...visualization matters!

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