

The Dutch web portal for Spatial Adaptation

www.spatialadaptation.com

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www.climateadaptationservices.com

Topics

- **Context** – why did we create a portal?
- What is the **aim** of the portal?
- Quick **tour** – how does it work?

Context: The Dutch Delta Program

- Comprehensive national research and action program. Ensuring The Netherlands withstands sea level rise and weather extremes. Now and long-term
- New **water safety** standards
- New **fresh water supply** concepts
- Climate-proof and water-robust **spatial planning**

<http://www.deltacommissaris.nl/english/delta-programme/what-is-the-delta-programme/>

A sub-program Spatial Adaptation

- **Formal agreement** that all authorities and private parties **share responsibility** making The Netherlands climate-proof and water-robust before 2050
- Introducing **new, adaptive spatial planning, governance and construction concepts**
- **Local governments** and **private parties** play **crucial** role in implementation
- Central Government **stimulates, facilitates** and **assists**
 - Engagement Program (pilots, courses, A-team)
 - Knowledge Portal Spatial Adaptation

Aim of the Knowledge Portal

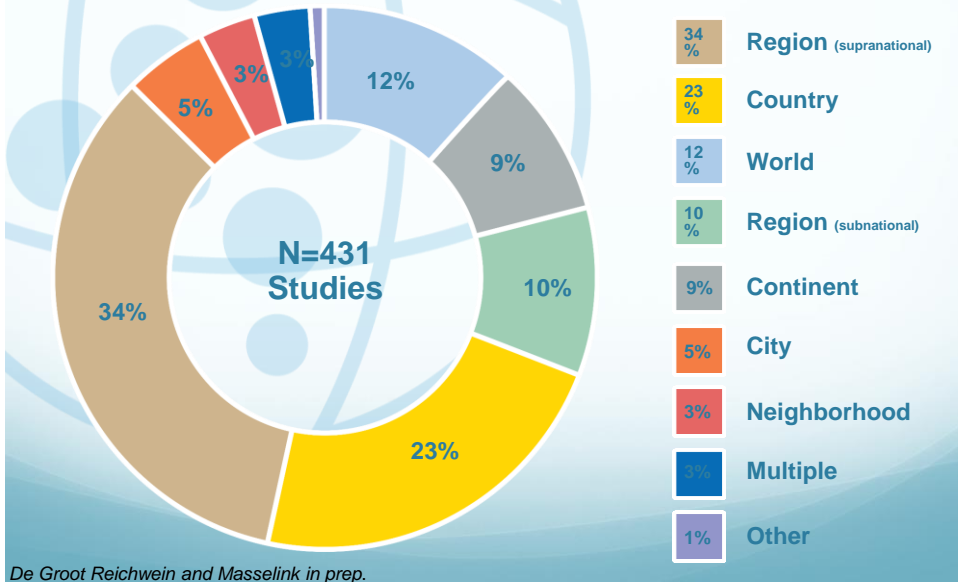
Providing 'fit for purpose'...

- **Guidelines**
- **Tools**
- **Data** on climate change effects and vulnerability
- **Showcases**
- **Sharepoint** for experiences in participant network
- **Literature**

Some development principles

- Keep it **simple**
- Content is provided by wide-range of **public and private parties**
- **Maintenance and quality control** is arranged by **Central Government**
- Use **images** and maps
- **Open access** to quality controlled data & maps
- Appeal in particular to local planners, designers, policy & decision makers
- Allow for **flexible** use. Don't build information supply around a rigid, linear 'do this, followed by...' wizard
- Provide content that is usable on a **local scale** (street, building)

Application scale of climate vulnerability studies – Local scale under-represented



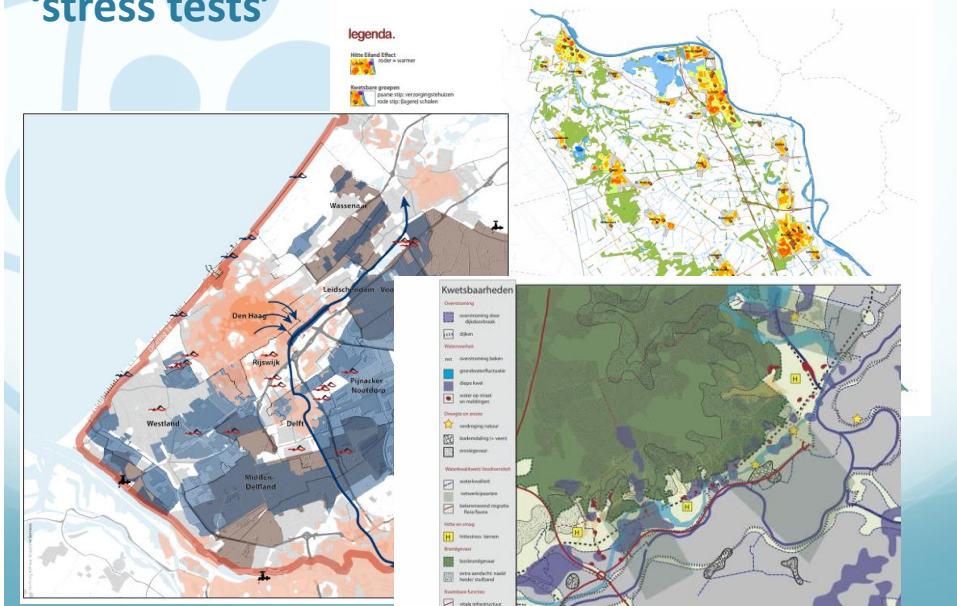
Quick tour

www.spatialadaptation.com

Spin off: Adaptation Ateliers



Spin off: (freelance) consultants perform 'stress tests'












Spin off: Open access database supports customized tools

M.A.M. de Groot – Reichwein et al (submitted), **Urban heat indicator map for climate adaptation planning**, *J. Reg Env Ch*







Spin off: Custom Climate Adaptation Atlas

Spin off: Tools Compete





Analysis

 <p>tool Analyzing urban, coastal and land-use Go to tool</p>	 <p>URBAN Urban in-sight in urban flooding Go to tool</p>
 <p>URBAN CITY Light to the urban of green and blue in cities Go to tool</p>	 <p>URBANFLOW An application of heavy participation in cities Go to tool</p>
 <p>URBAN VULNERABILITY MAPPING Urban vulnerability mapping tool Go to tool</p>	 <p>URBAN Assessment of the Loss of Climate Change Effects Go to tool</p>
 <p>URBAN RESILIENCE Urban resilience mapping tool Go to tool</p>	 <p>UCAM UCAM: URBAN CLIMATE ADAPTATION MODELING Go to tool</p>
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Ambition

 <p>URBAN RESILIENCE Urban resilience mapping tool Go to tool</p>	 <p>URBAN RESILIENCE Urban resilience mapping tool Go to tool</p>
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Action

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Thanks for your attention!

More info:

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