



Delta programme
New Urban Developments & Restructuring

Spatial Adaptation

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Four threats



Flooding



Drought



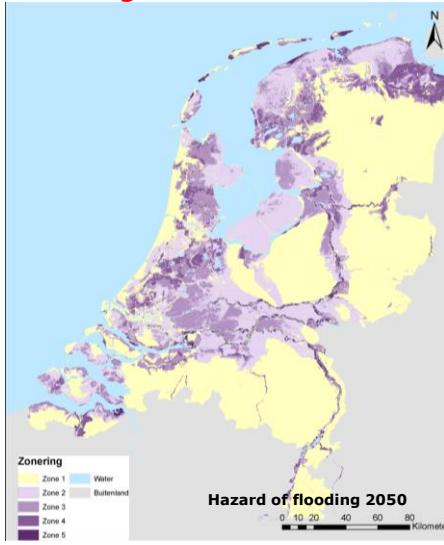
Heat



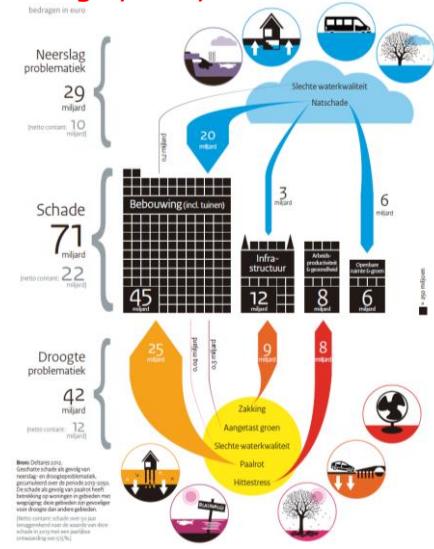
Intense rainfall



Challenges flooding



drought, heat, intense rainfall

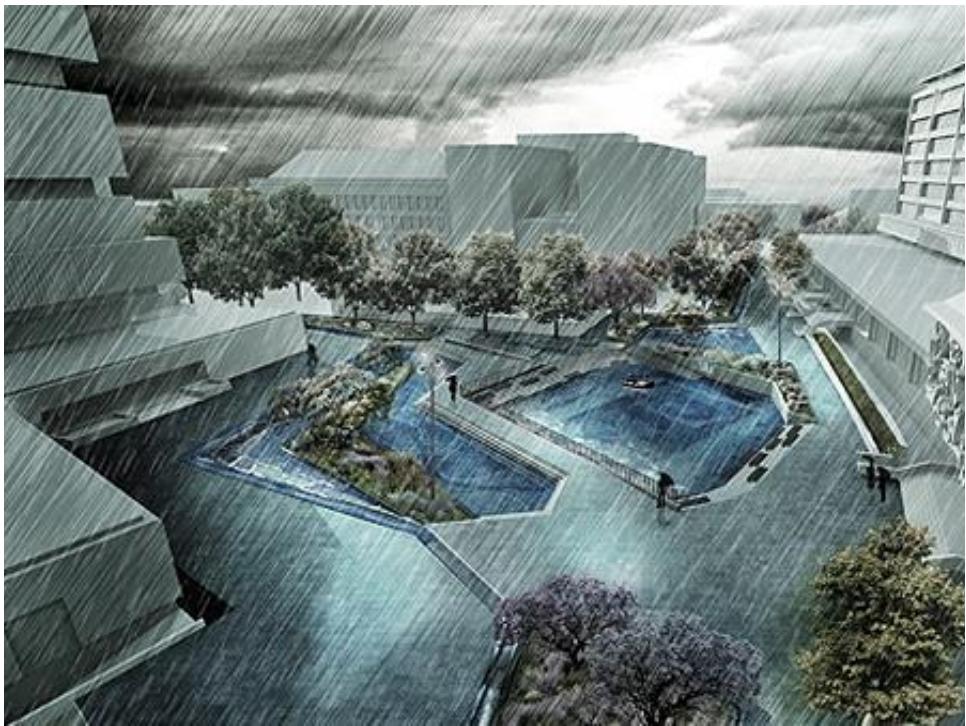






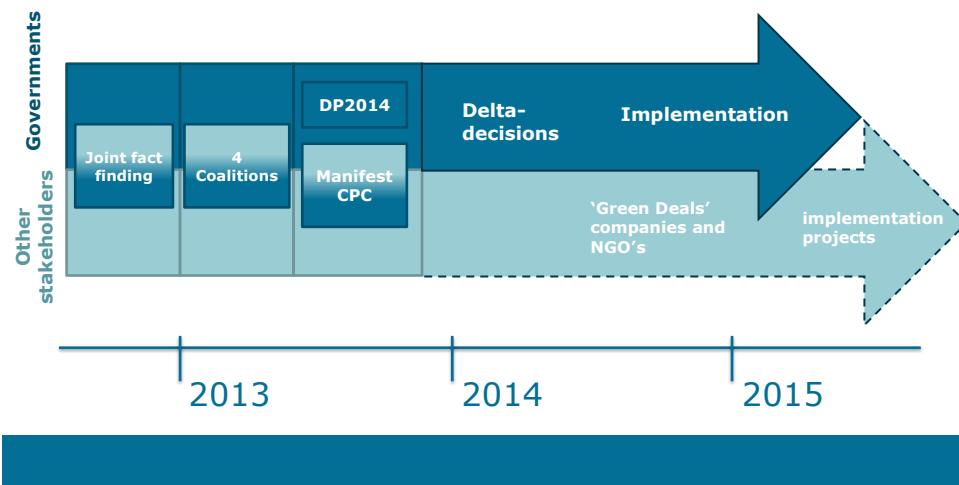


Boymans van Beuningen 13 oktober 2013





Approach





Approach: Manifest Climate proof city



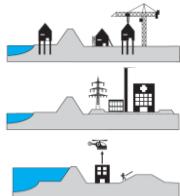


Example: Island of Vlissingen





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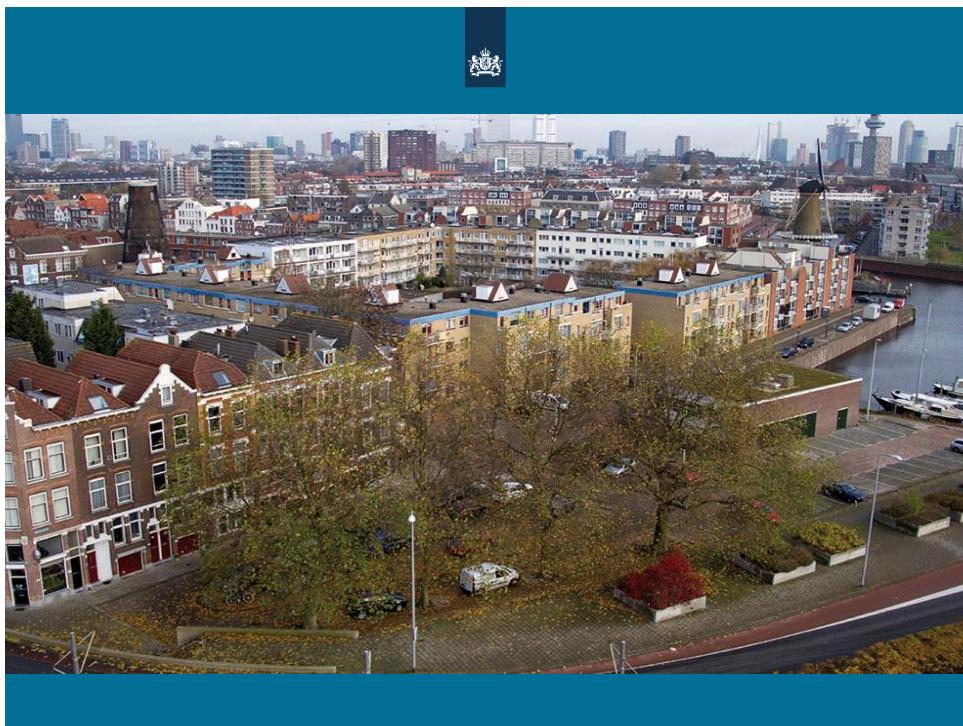
New development is safety measure

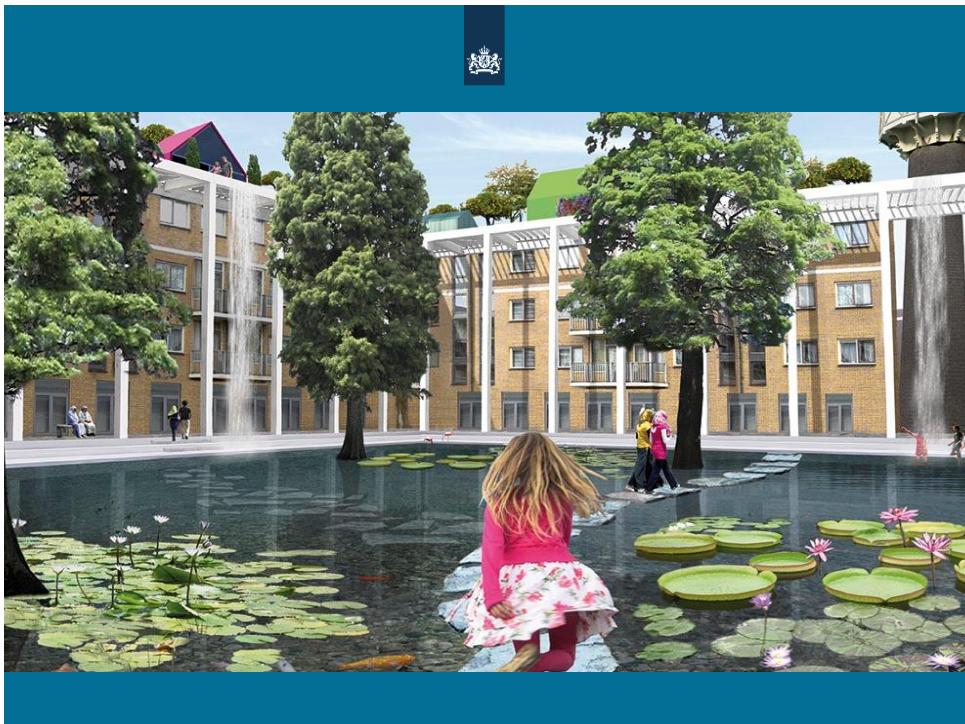
- Urban development reinforces the dike
- Protecting vital functions
- Securing evacuation routes



Example: Rotterdam









Delta Decision on Spatial Adaptation

Ambition

- In **2020** we **act water robust** and **climate proof** in the planning and (re)development of our built environment (**cultural change!**)
- In **2050**, the built environment is **as water robust** and **climate proof** as possible.

Method

All authorities follow three steps:

- **Why?** (climate stress test)
- **How?** (goals and strategies)
- **What?** (policy and investments)

Support tools

- Web-based guide for spatial adaptation
- Legal water review
- Joint incentives programme for spatial adaptation.

The screenshot shows a Microsoft Internet Explorer browser window displaying the homepage of the Kennisportaal Ruimtelijke Adaptatie. The address bar shows the URL www.ruimtelijkeadaptatie.nl. The page features a dark green header with the title "Kennisportaal Ruimtelijke Adaptatie". Below the header, a banner reads: "Bereid uw gebied voor op overstromingen, extreme neerslag, droogte en hitte met de handreiking en hulpmiddelen". A blue button labeled "Waarom Ruimtelijke Adaptatie?" is visible. The main content area has sections for "WETEN", "WILLEN", and "WERKEN", each with sub-sections and images. The bottom of the screen shows the Windows taskbar with various icons.



Control on execution of the Delta decision

1. **Delta decision on Spatial Adaptation** and **National Waterplan**
2. **Administrative agreement** Delta programme
3. Annual **progress report** by Delta Commissioner to Houses of Parliament
4. Inter administrative **Incentives Programme** 2014-2017
5. Knowledge Portal on spatial adaption (www.ruimtelijkeadaptatie.nl)
6. **Joint review** and recalibration of instruments in 2017

Intention agreements on oktober 8th

The grid contains logos from numerous Dutch entities, including:

- DE BOUCAMPUS
- Hanzehogeschool Groningen
- Rijkswaterstaat Ministerie van Infrastructuur en Milieu
- GEMEENTE Arnhem
- Hogeschool van Amsterdam
- Gemeente Breda
- Zwolle
- EINDHOVEN
- Gemeente Den Haag
- Gemeente Renkum
- Gemeente Heemskerk
- gemeente Den Helder
- GEMEENTE TILBURG
- Gemeente Amsterdam
- waterONet
- Amersfoort
- BNSP
- BNA
- INGENIEURS
- Vewin
- Movares adviseurs & ingenieurs
- HydroLogic
- Tauw
- TU Delft
- Ballast Nedam
- ECORYS
- WAGENINGEN URN
- Stadsgewest Haaglanden
- vhg
- SIEMENS
- WATERSTAF vechtstromen
- HOOGHEEMRAADSCHAP DE STICHTSE RIJNLANDEN
- HKV LUN IN WATER
- Grontmij
- atelier GROENBLAUW
- ORG-ID
- Hoogheemraadschap van Delfland
- ZUIDERZEE LAND
- Groot Salland
- INTER DELTA NEDERLAND
- STERK CONSULTING BUREAU VOOR WATER- EN OPHOEDINGSSTRUCTUREN
- wing
- MBDSO
- Nelen & Schuurmans
- Water Governance Centre
- HOOGHEEMRAADSCHAP VAN SCHIELAND EN DE Krimpenerwaard
- LUZ ARCHITECTEN
- WATERREGISSEURS
- ambient
- urbanCORE