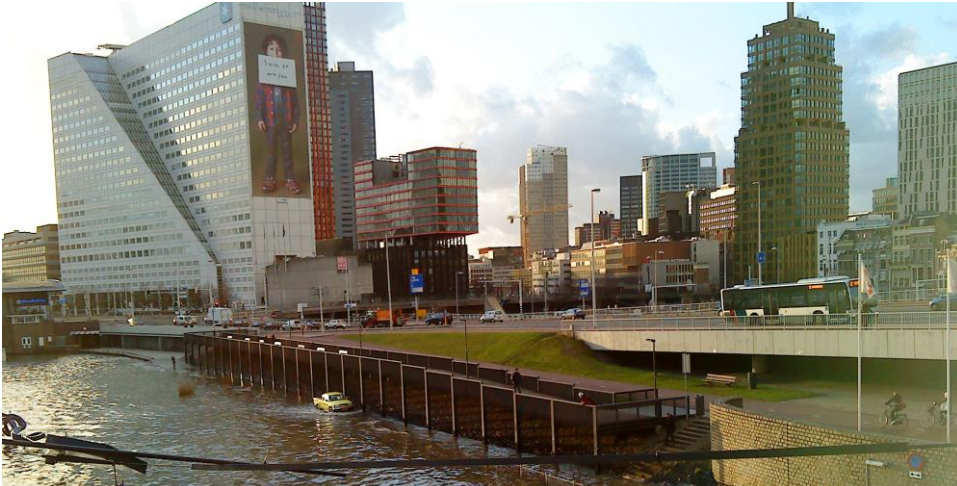


Greening for a resilient & attractive Rotterdam

Deltas in times of climate change II



Deltas in practice: Green solutions for resilient delta cities
Thursday 25 september 9.00-10.45



Gemeente Rotterdam

Pieter de Greef

Rotterdam in the Rhine-Meusedelta



The river: place where threats & opportunities come together

2

Facts & figures Rotterdam



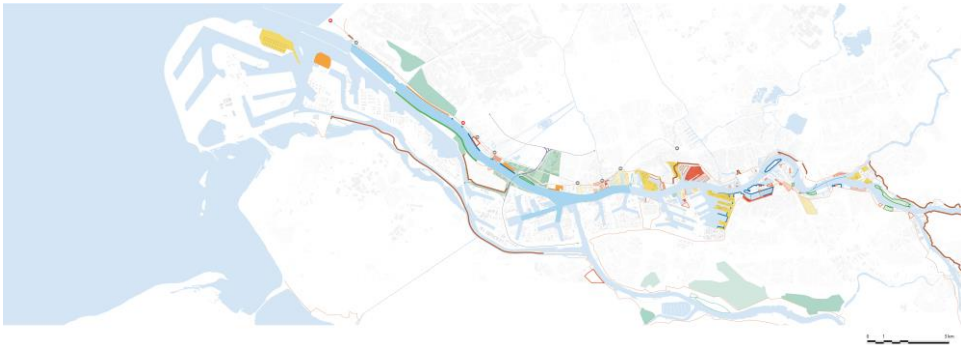
- | | |
|---------------------------------------|-------------------------|
| 1) the largest harbour of Europe | 1) 40 km harbour |
| 2) the second city of the Netherlands | 2) 616.000 inhabitants |
| 3) three waterboards | 3) 2500 km sewer system |
| | 4) 400 km canals |
| | 5) 600 pumping stations |

3

Rotterdam: more green and resilient

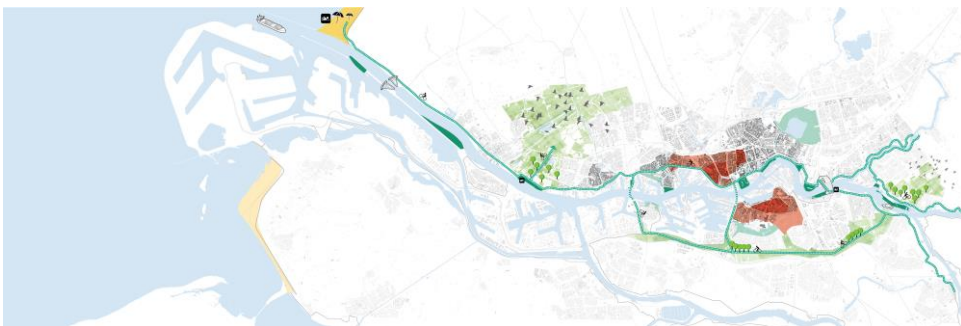


River-area: still dynamic



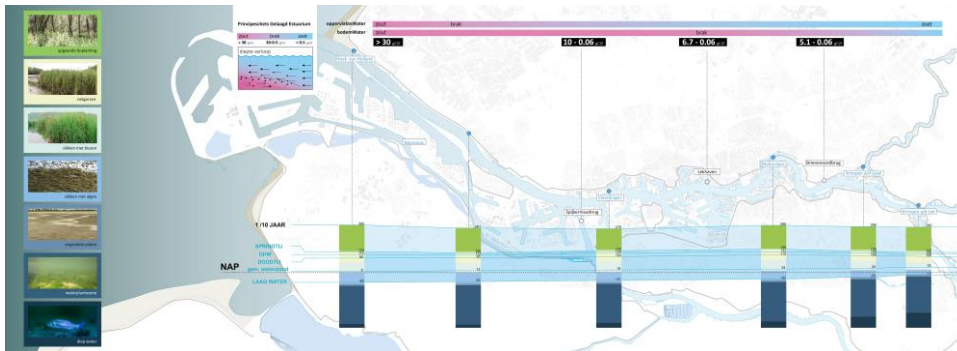
Development of recreation areas, transformations of harbour areas and urban areas

Cumulation of problems



Highly densed urban areas: social problems, heath problems, lack of green

Ecological poverty



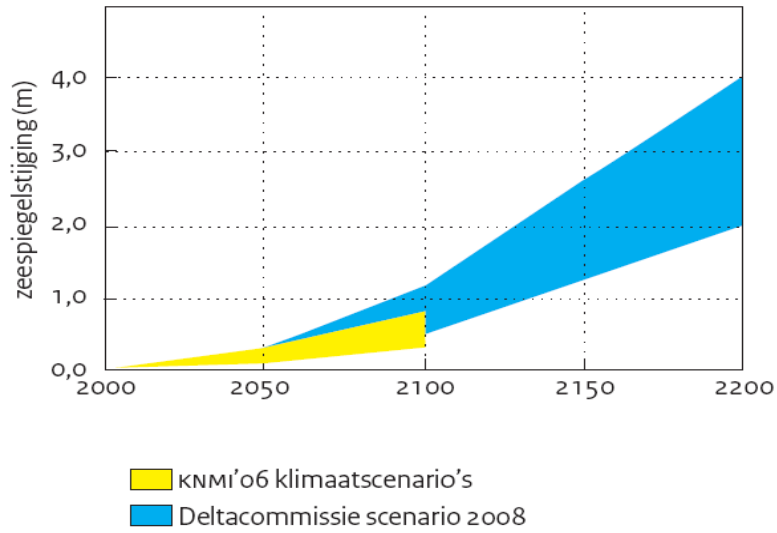
7

Hard, bare and steep banks: 70%



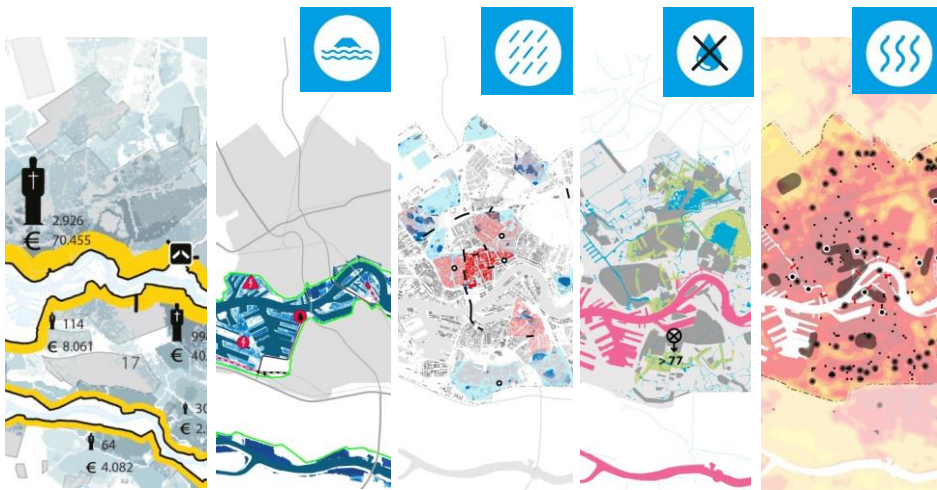
8

2100: 35-85 cm sealevel rise



9

The threats



Possible consequences of flooding:
Inner dike and outer dike

Increasing problem locations concerning:
Storm water, salination and drought , heat island effect

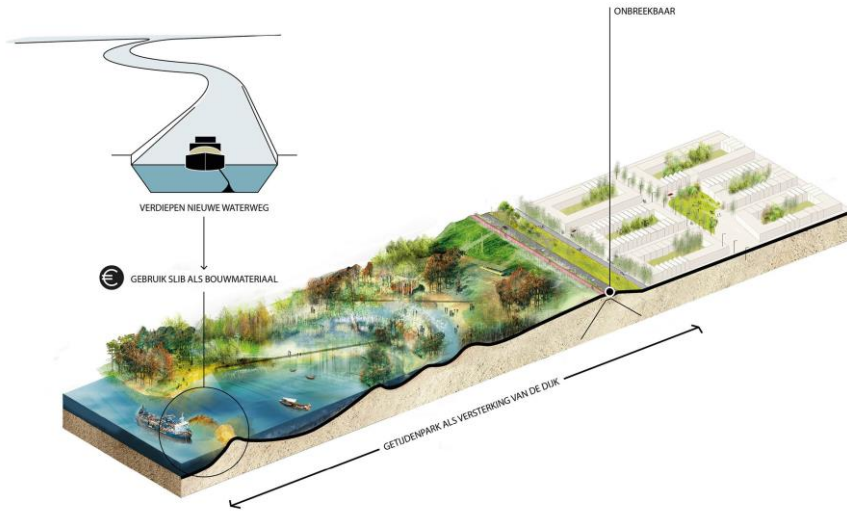
River tidal park: combining city and nature



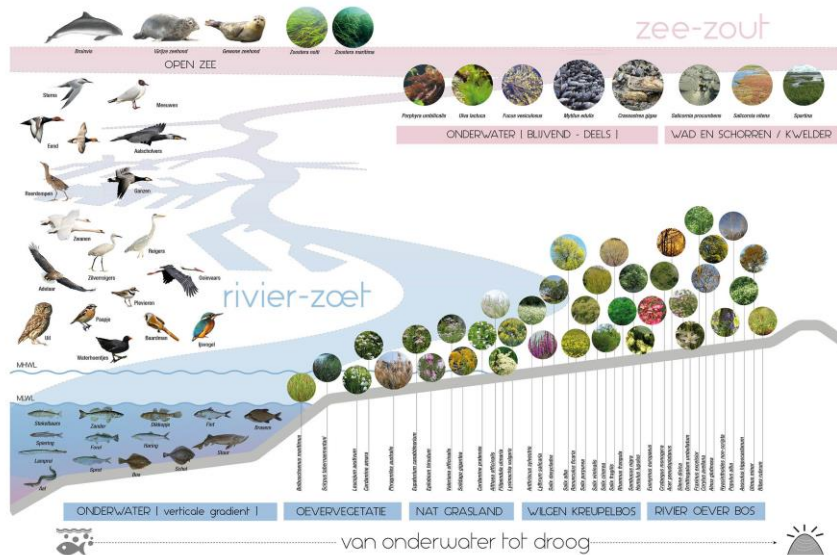
Tidal park as learning environment



Contribution to watersafety



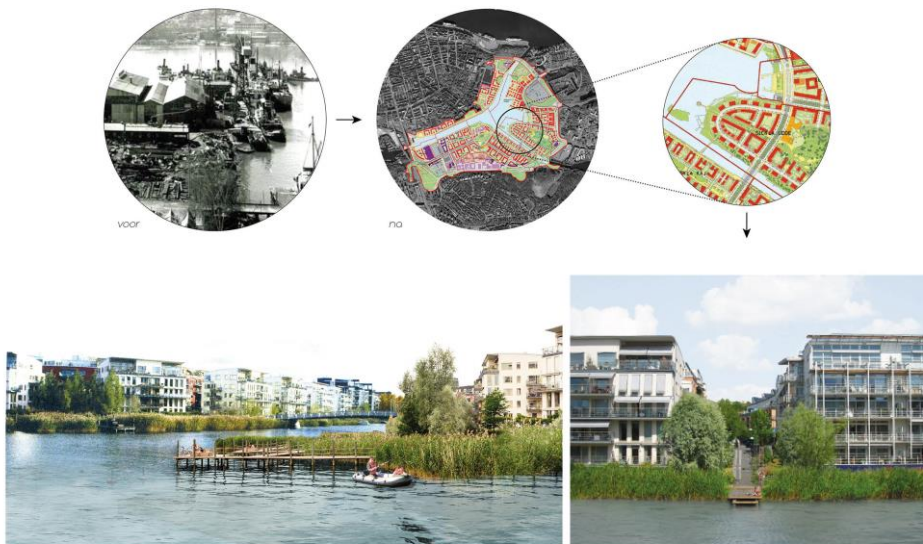
River tidal park: enlarging biodiversity



River tidal park: to produce en enjoy food



River tidal park: for citydevelopment



referentie: Hammarby sjöstad (Stockholm)



Regional closing cycles and laboratorium



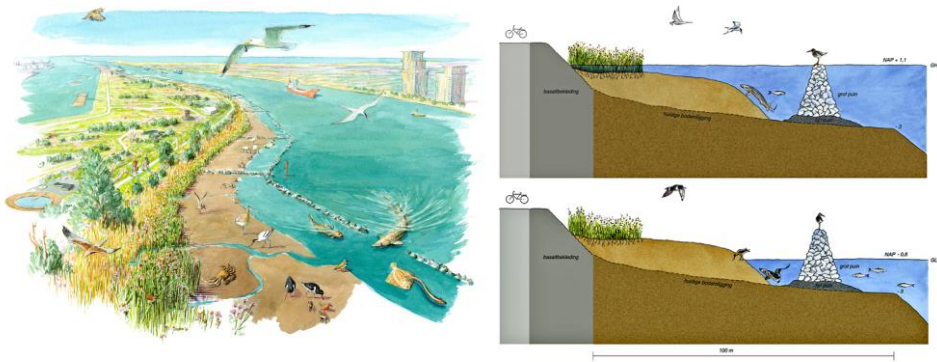
Reuse of dredgings



River tidal park as showcase of making



The next generation: Green gate



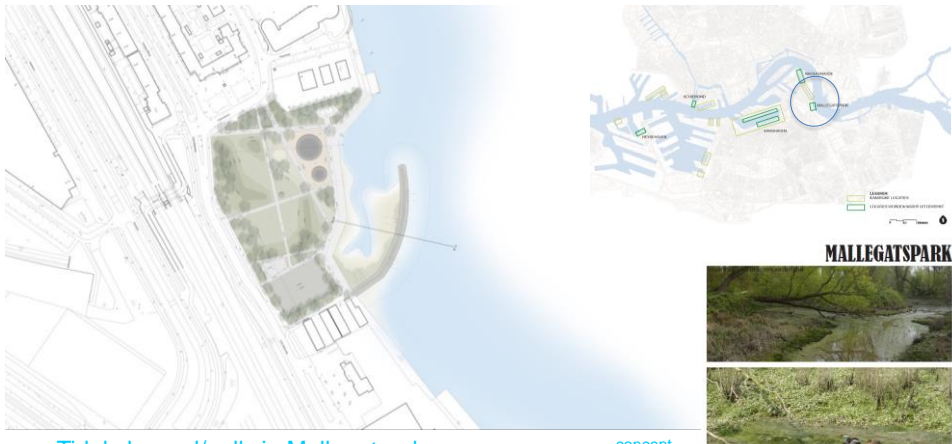
Making projects
 Implementation started: 2014
 Rijkswaterstaat, Port Authority of Rotterdam, World Wildlife Fund, City of Rotterdam

The second generation: starting 2015

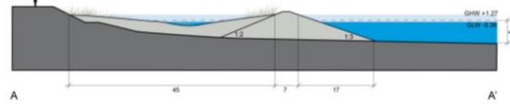
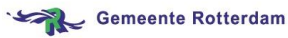
Looking for opportunities for greening the river



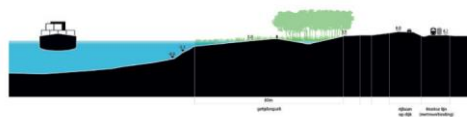
Building with nature in the city



Tidal channel/gully in Mallegatpark
Start implementation: 2015



3th generation: 2016>



Together looking for finances



Combining/stacking of small amounts of financial resources:

- public funds
- private funds

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River as a tidal park

- Making a coalition of the willing
- Sharing the same goal and ambitions
- Develop specific projects
- and then start looking for finance

How can we make the next step?

- How to involve international organisations like Wetlands International, or others?
- How to involve businesses and make businesscases?



Rotterdam region is a green, resilient and attractive region

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