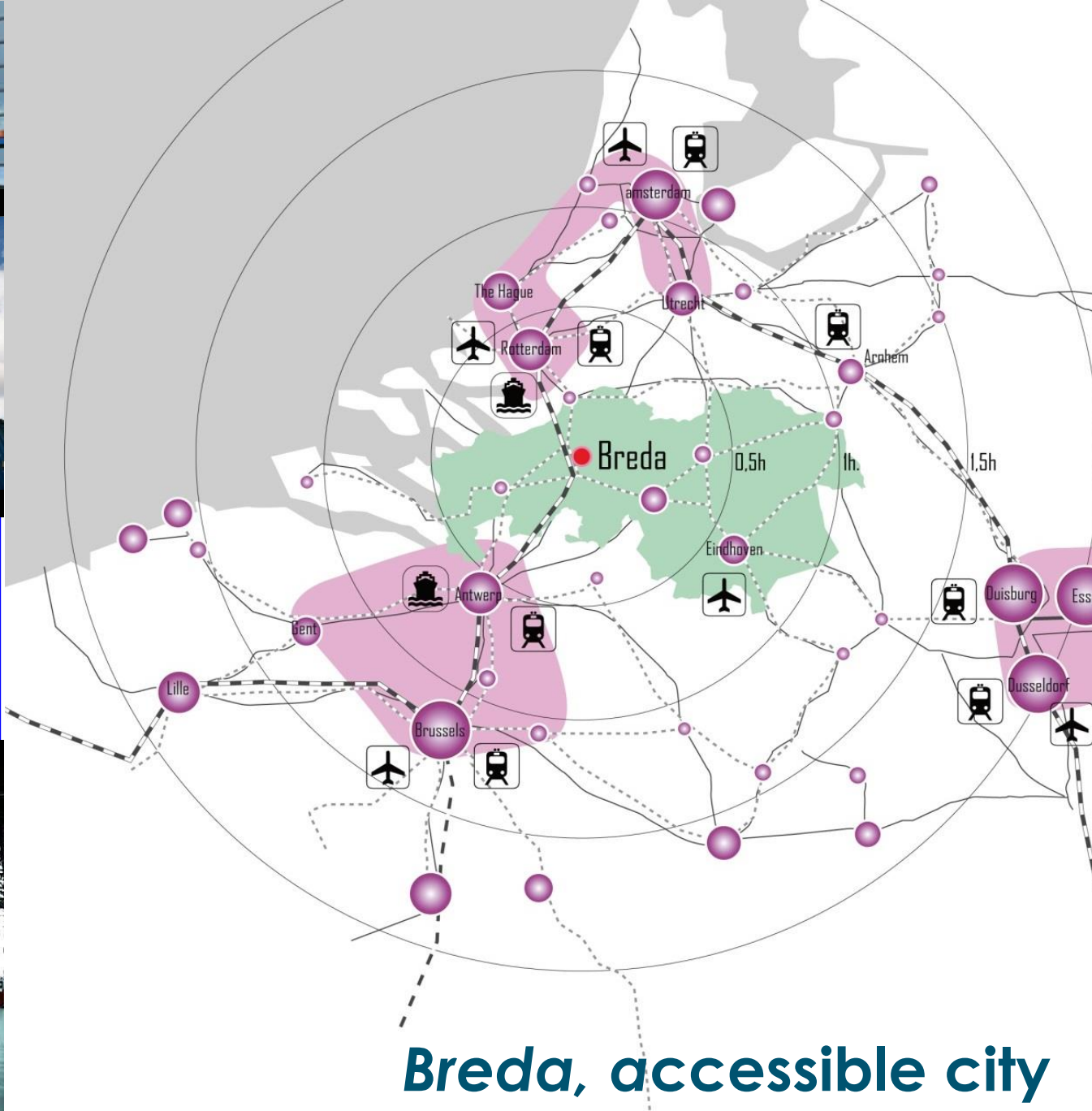


Water as a catalyst for urban (re)development



Mr. Paul Depla PhD, Mayor of the city of Breda (NL)

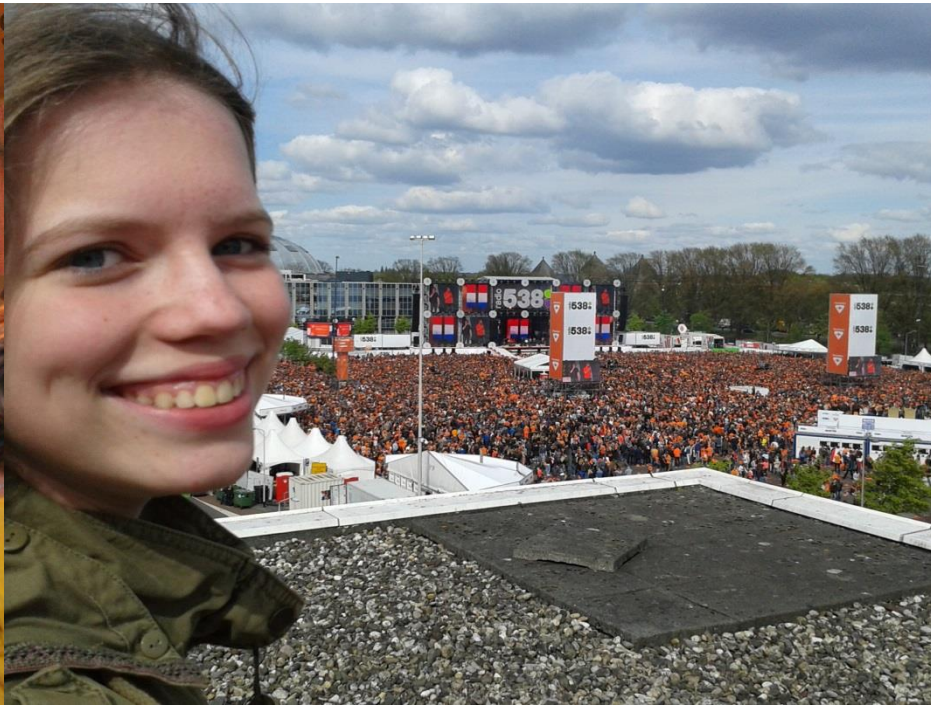


Breda, accessible city









Public transport terminal & working & living area

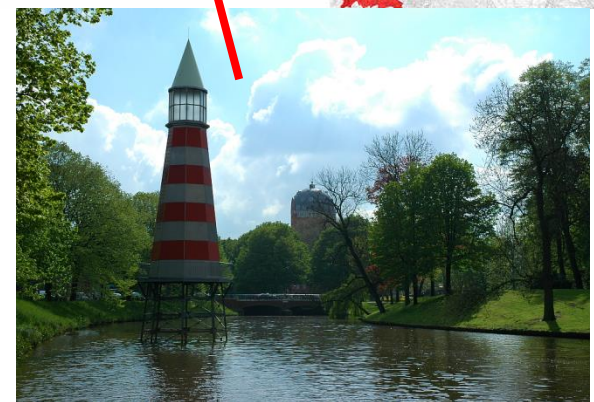
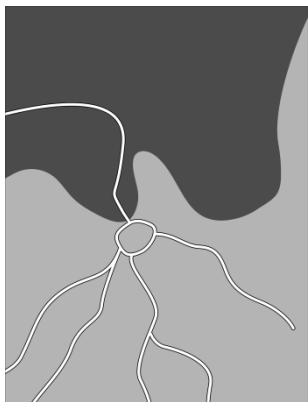
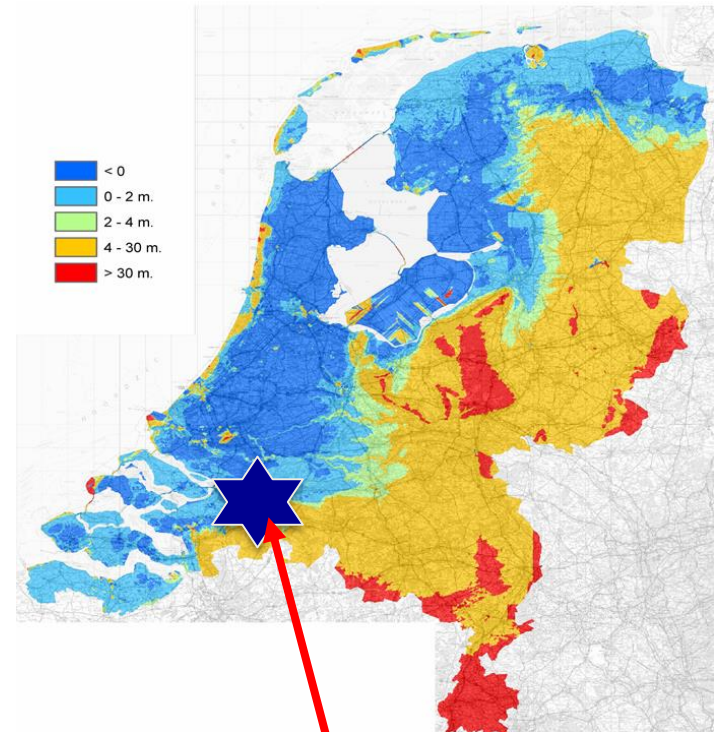
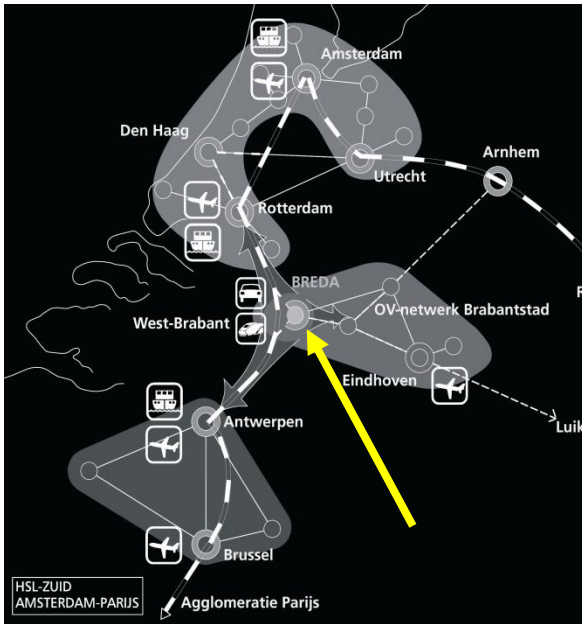


Necessary Dutch expertise



Water always on the political agenda in the Netherlands

Breda, central position and just about dry feet



Mindshift around the water challenge

Control the threats (illness, flooding)

Make use of the chances (retention, economic opportunities, spatial quality)

- Nijmegen



- Breda

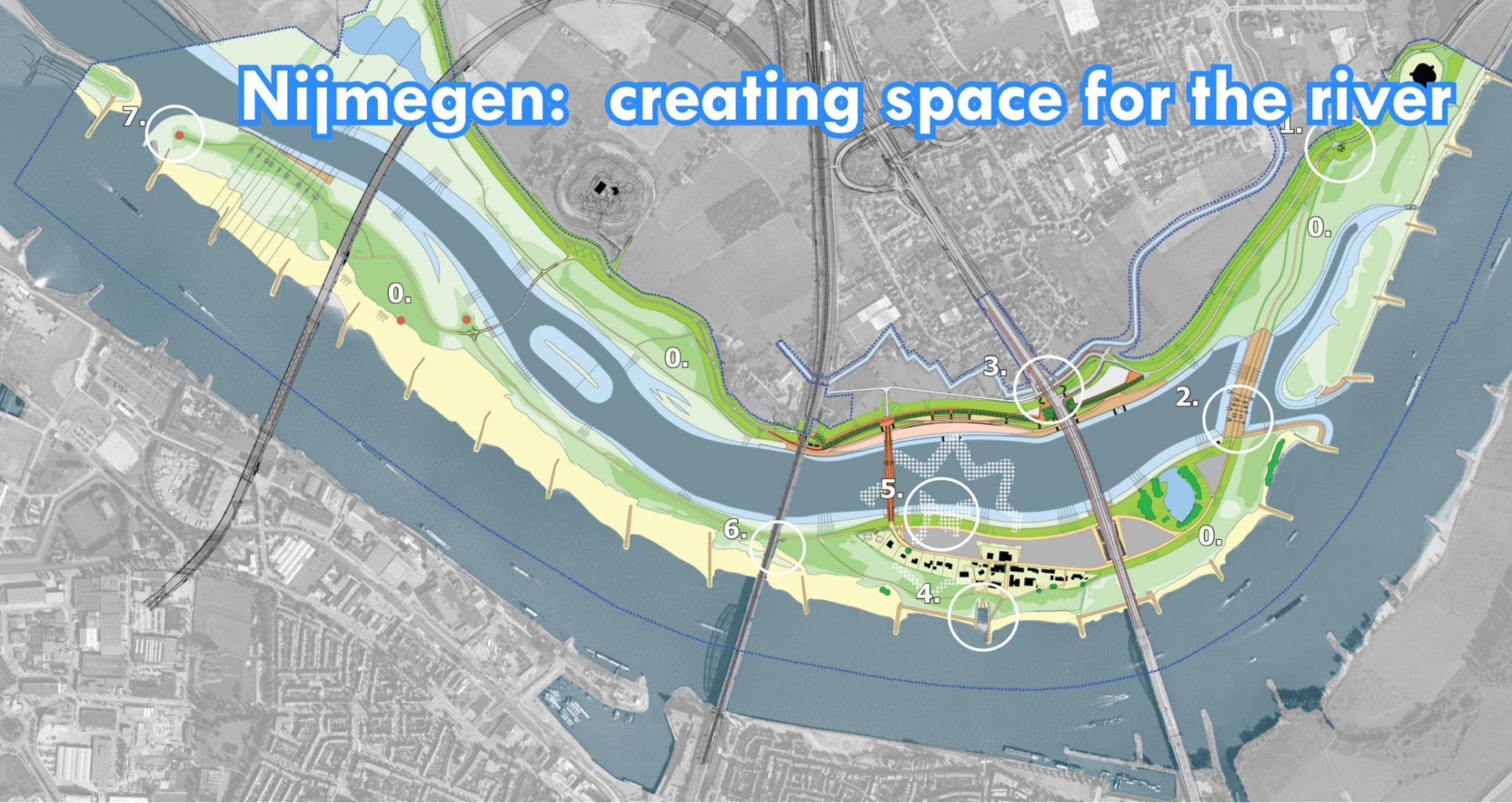


Water as a catalyst for urban (re)development

Nijmegen: creating space for the river



Nijmegen: creating space for the river



Breda: changing role and meaning of the water system



1350 TRADE



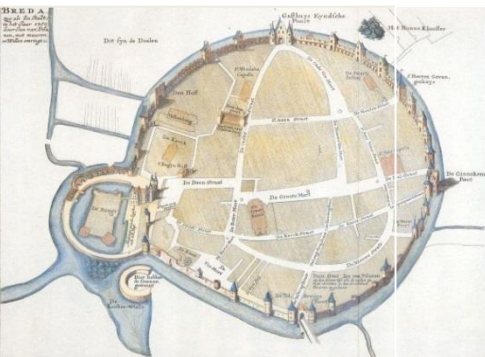
1824 DEFENCE



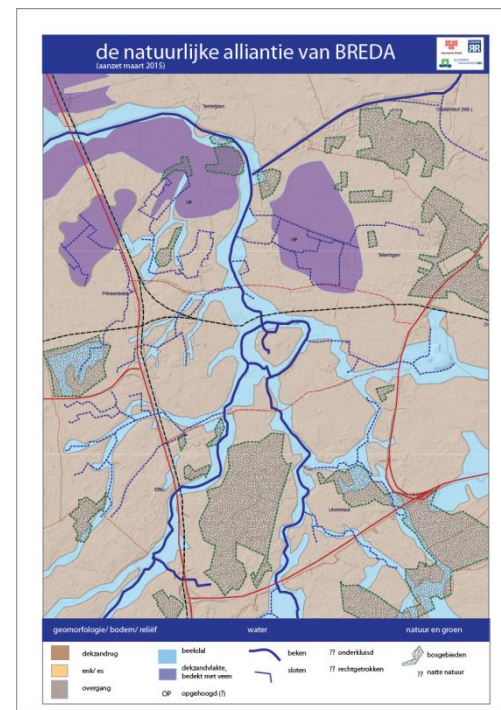
1980 QUANTITY



2014 – 20XX QUALITY
Climate changes/ compact city



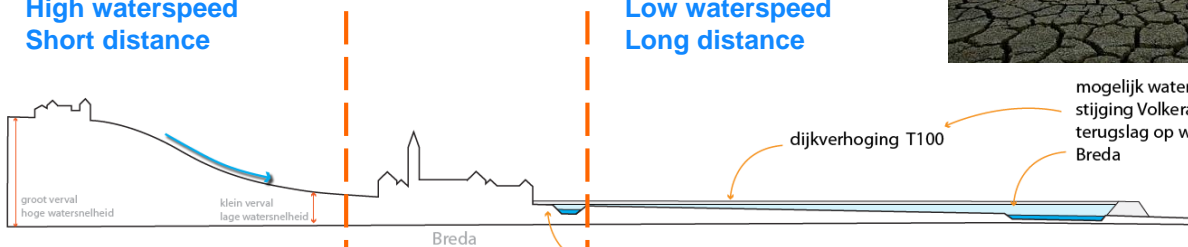
mogelijk waterspiegel
stijging Volkerak
terugslag op watersysteem
Breda



Watersysteem Breda

High waterspeed
Short distance

Low waterspeed
Long distance



Belgian Border
+ 25 NAP

Breda
+/- 3 NAP

NAP = New Amsterdam Level

Realised waterprojects

- Rural areas
- Extensions
- Inner City



Holy Valley of the Mark

Water retention & nature development, private initiative along the river "Mark"



City extensions Using the landscape

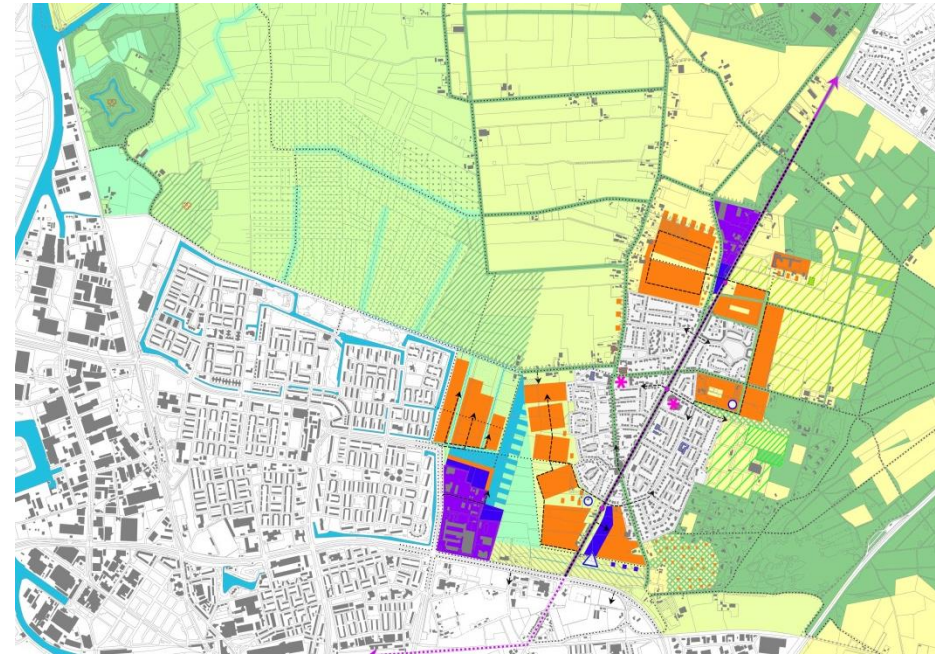
“Townscaping”
(Townplanning + landscaping)



City extensions

Water Machine

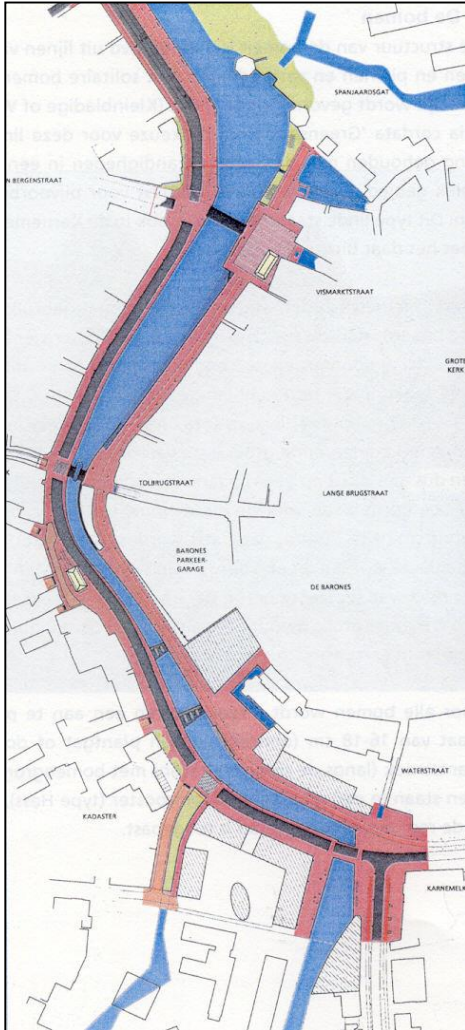
Waterdonken (North-East)



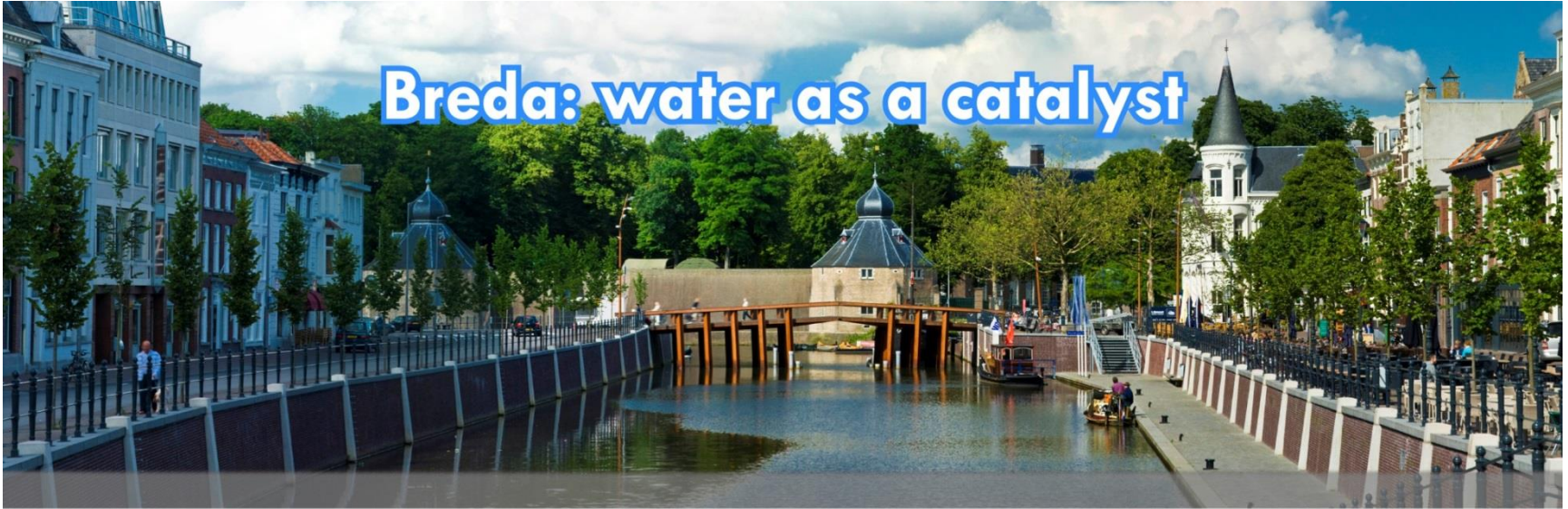
Ecological parks as catalysts for transformation



Inner City Western Artery Return of the water



Breda: water as a catalyst





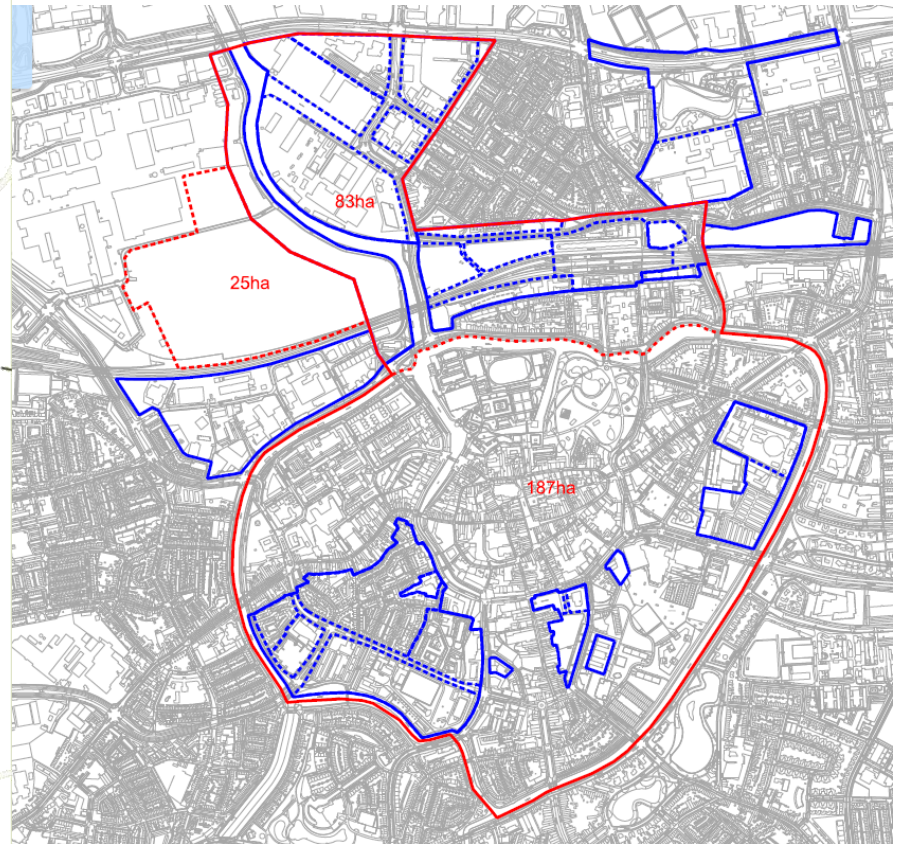
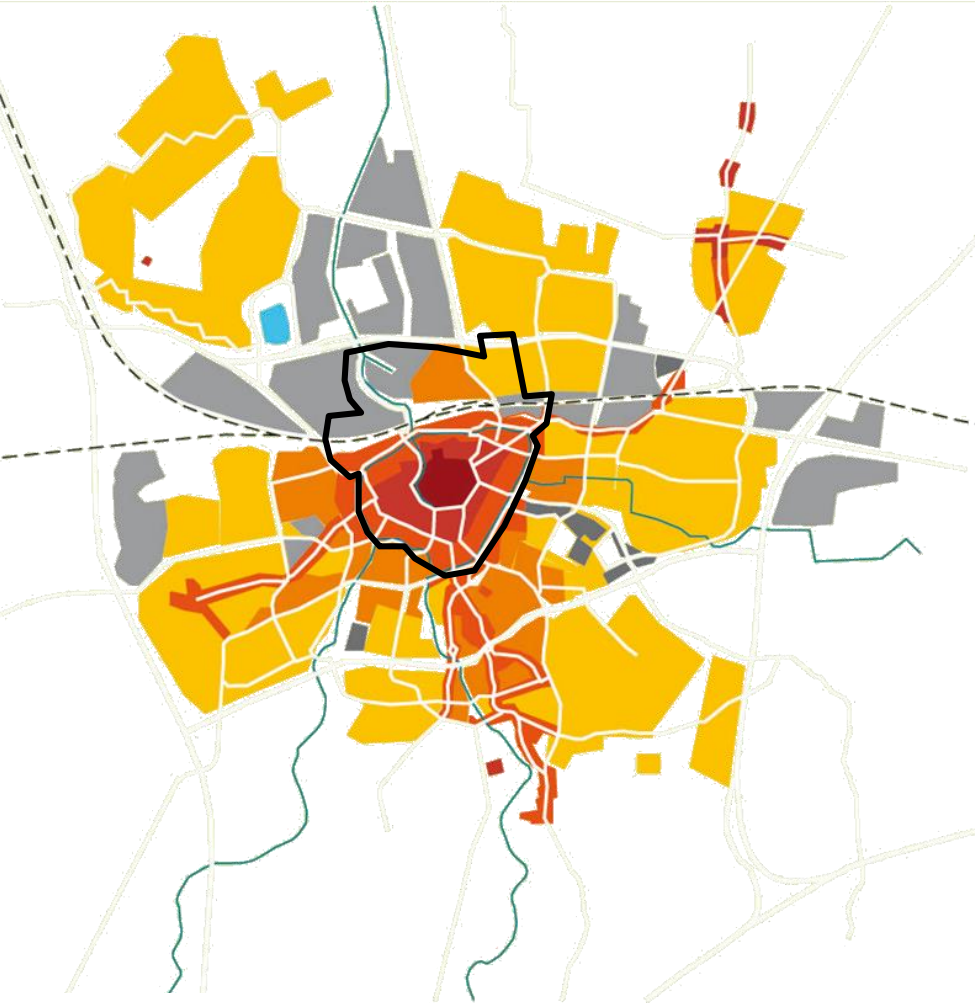
Old harbour becomes parking becomes harbour

Breda: experiencing urban water



Challenges ahead

Transformation areas city center



Projects on the way

Restoring the historic river Mark crossing the inner city of Breda

de nieuwe mark

The "Nieuwe Mark" Breda

Goals

- A navigable river
- Adaptation to climate change (preventing heat stress)
- Green quays with vegetation and trees
- Watermanagement (water safety / water drainage over the quays into the river)
- Attractive river to visit or to experience (boating, walking along, visit a terrace)
- Community design with support of residents/users

Previous WIHCC phase of this restoration project (2003 - 2007)

- Public investment
€ 27 million
- Generated private investment
€ 250 million

Investment
€ 25 - € 30 million
Annual economic
impulse in inner city
€ 2 million

Realisation
2020 - 2025

Partners

Real estate developers
Water authority
Province of Noord Brabant

Projects on the way: Nieuwe Mark



Projects on the way: Nieuwe Mark



Opportunities

Close to the Station District
and the medieval city center



Townwaterscaping: perspective of the Harbour District and the river landscape

New urbanity along the river:
mix of functions, townwaterscaping in red, green et blue

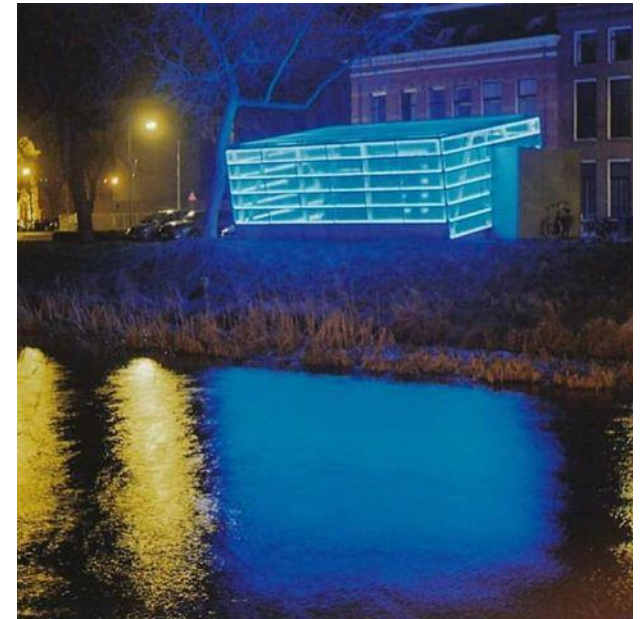


Public Involvement

- Awareness program: Ons Water
- Week of the Water: public events one week a year
- Participation of citizens



Conscience of the importance of water: smart public investment, sewer pump stations



Please be welcome in Breda !
The coffee is ready!

