Waterschap Brabantse Delta

WP 2 Project Steenbergsche Vliet

9th December 2010
Ron Lambregts

This project has received European Regional Development Funding through INTERREG IV B.
INTERREG IVB

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AMICE-project nr. 17

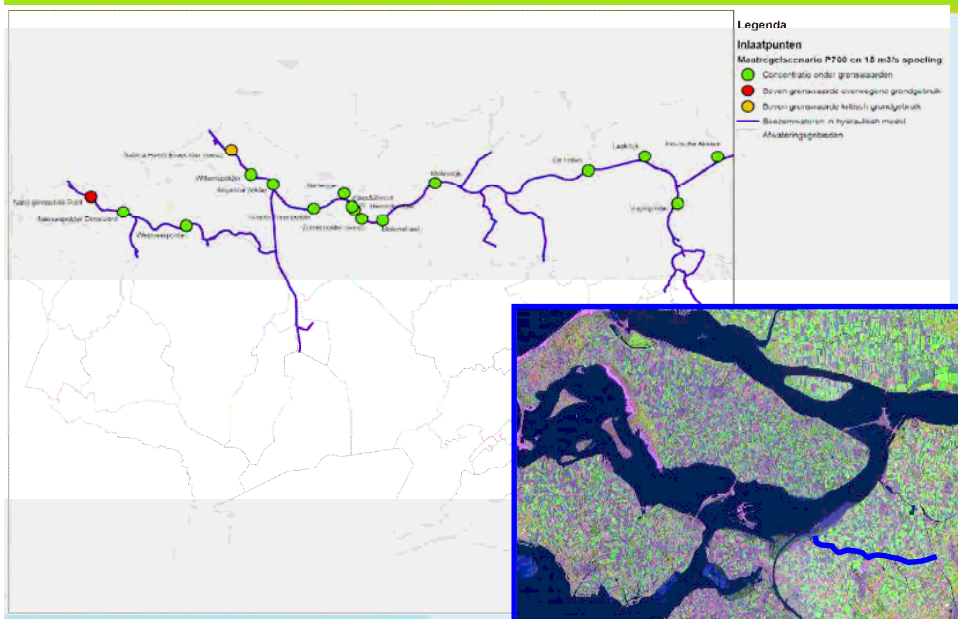
- Communication within the project
- and outside the project

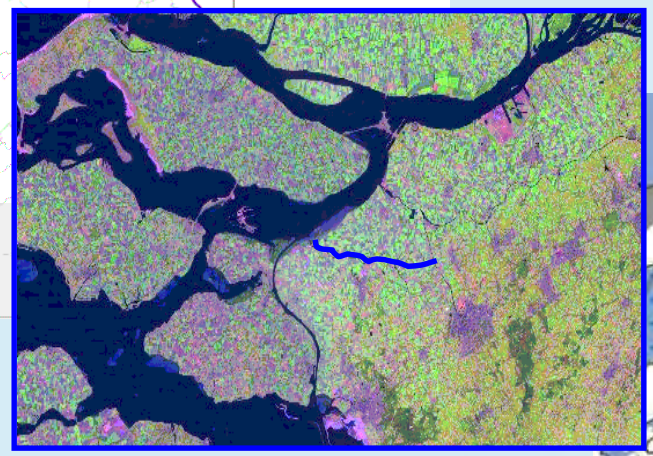
This project has received European Regional Development Funding through INTERREG IV B.

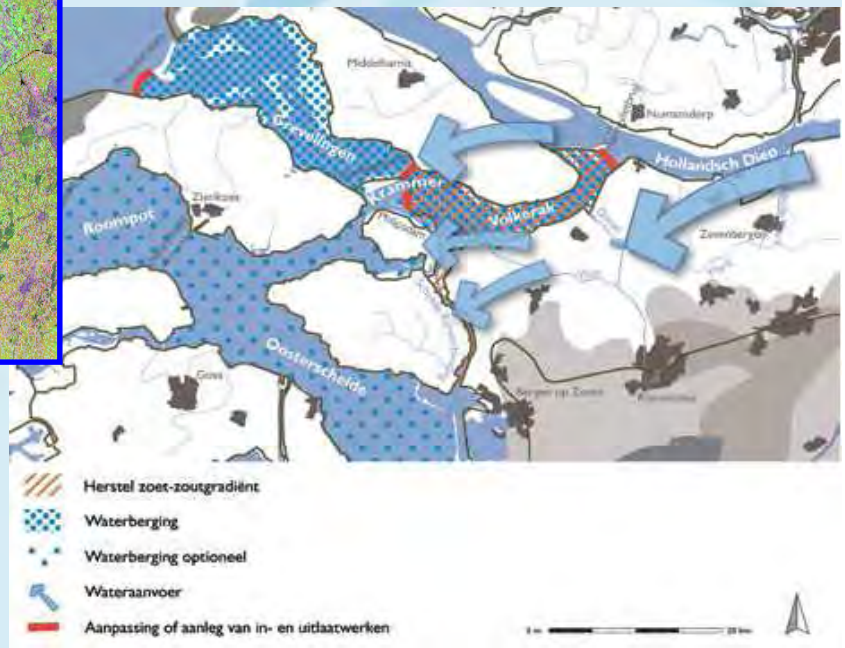
INTERREG IVB

amice meuse maas

Many influences on the project area







All kinds of “threats” but also challenges

- **Water Quality:**

Blue green algea (cyano bacteria)
Salt or fresh water?

- **Water Quantity**

High water Volkerak-Zoomlake
Droughts on the river Meuse

- **Agricultural landuse**
- **Ecological System**
  Nature reserve
- **Recreational use**
- **Spacial Planning**

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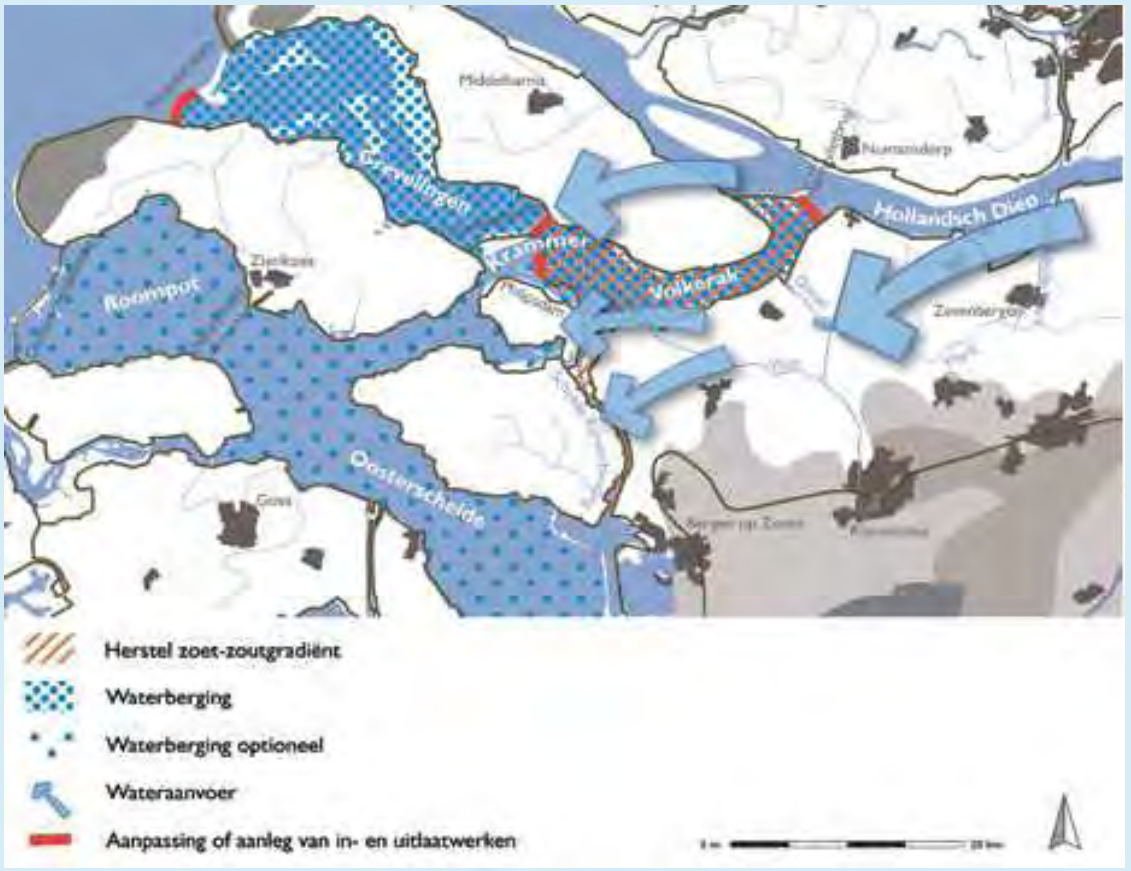
Explain the need of change

- Trans national; due to the climate change
  high water levels and drought in the Meuse river
- Solutions 2015-2050
  - Use of Volkerak-Zoom lake as water storage area
  - Fresh or salt water discussion in relation to algae bloom

Delta commission advise

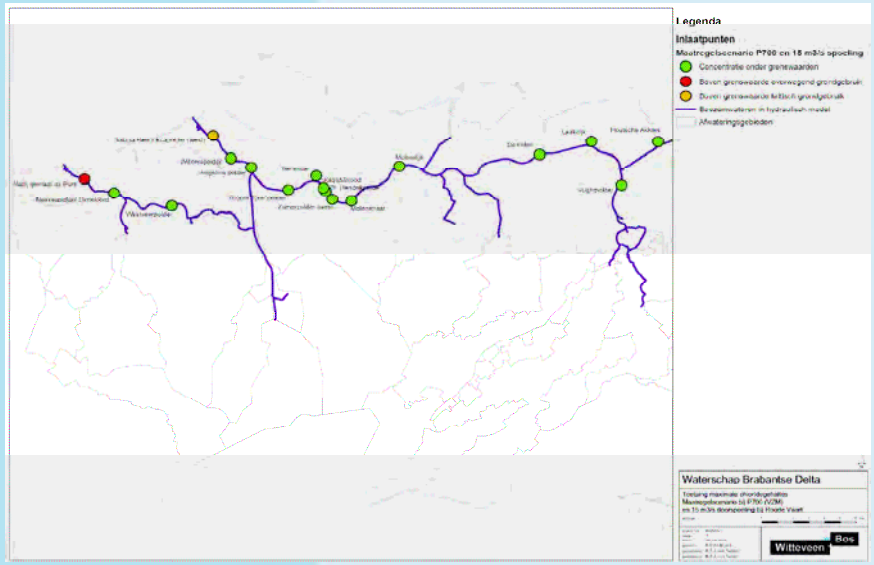
- **Volkerak-Zoom lake** (including Grevelingen and Oosterschelde) will be used for temporary water retention of **Rhine and Meuse water**

- **When?** before 2015



Water quality Volkerak-Zoom lake

- More biodiversity and better water quality
- Salt water as an alternative?



! Saving fresh water supply for agricultural use !

External target group

- Water experts;

  Rijkswaterstaat, province, water board

- Policy-makers;

  Government policy, province, waterboard, municipality of Steenbergen

- Local population;

  farmers, inhabitants, NGO Natuurmonumenten, recreational use(f.e. harbours, camping-site)

How to inform AMICE partners

- During site visits, with presentations and discussion;
- AMICE website;
- AMICE film;
- Leaflets about the project
- Reports for the project (design, research, permits)
- At international events

Communication tool for public

- Routestructure for walking, biking or canoeing
- by GPS & smartphone
- leaflets, film website
- Together with municipality of Steenbergen

GPS-route in surrounding of Steenbergen

Input by Koen Dijkman & Eric Luermans

Program for the afternoon

- Fieldtrip river Bovenmark
- Upstream water retention and biodiversity

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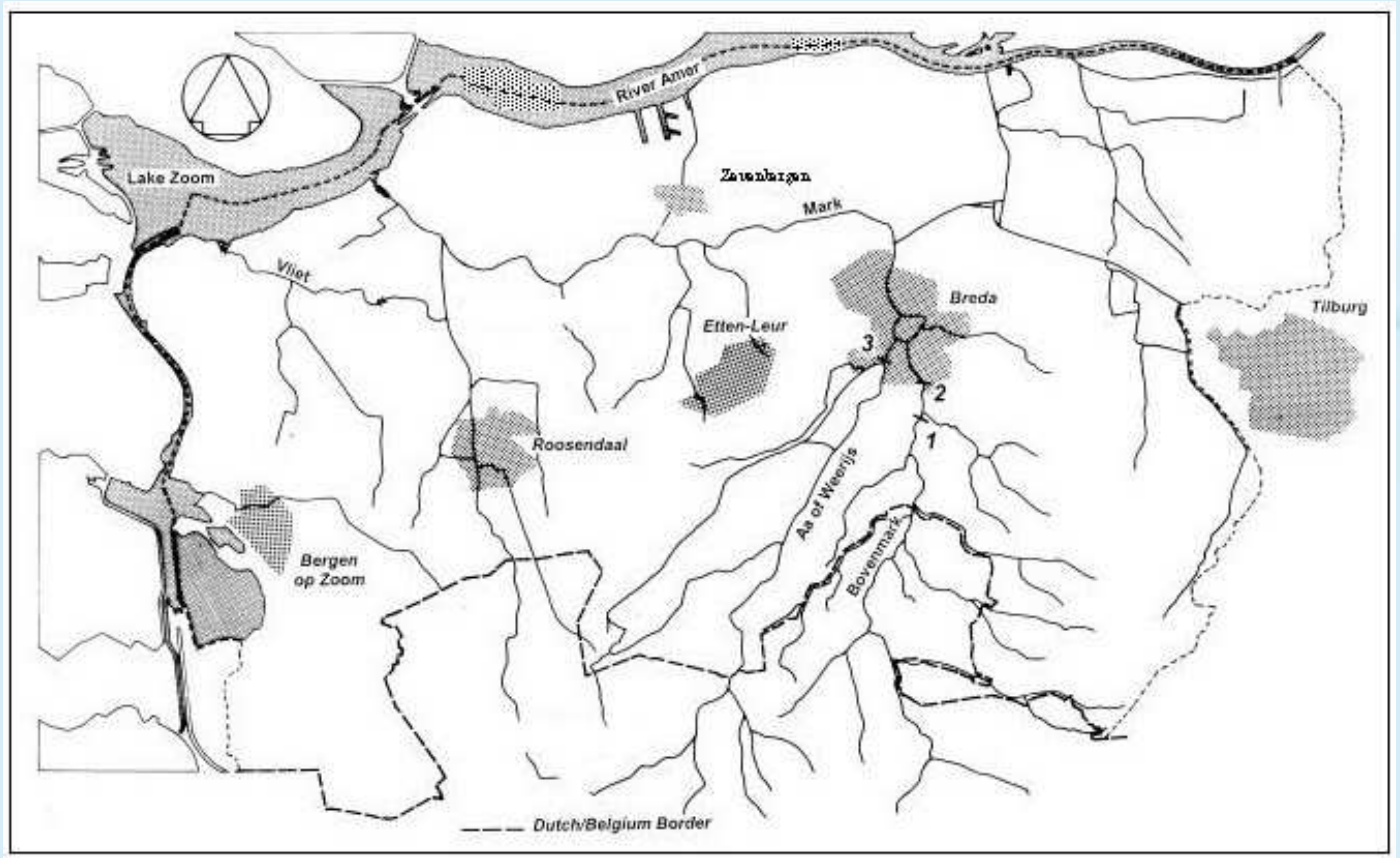
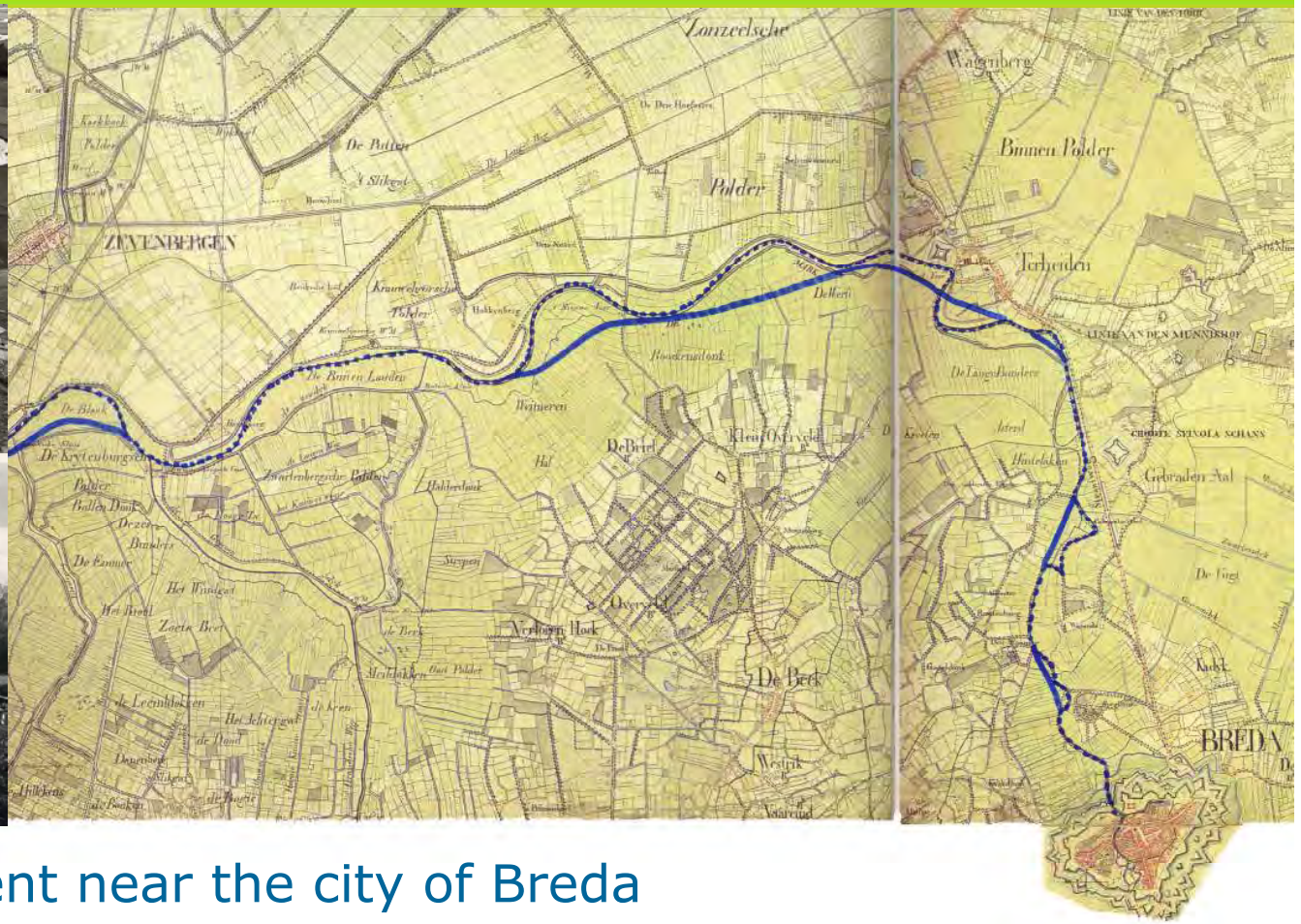
Management area



Watermanagment 1900-1980



Watermanagement near the city of Breda

River Bovenmark

In the past:

- Discharge

  as fast as possible towards sea
- Watermanagment

  serving agriculture and ship navigation

Nowadays:

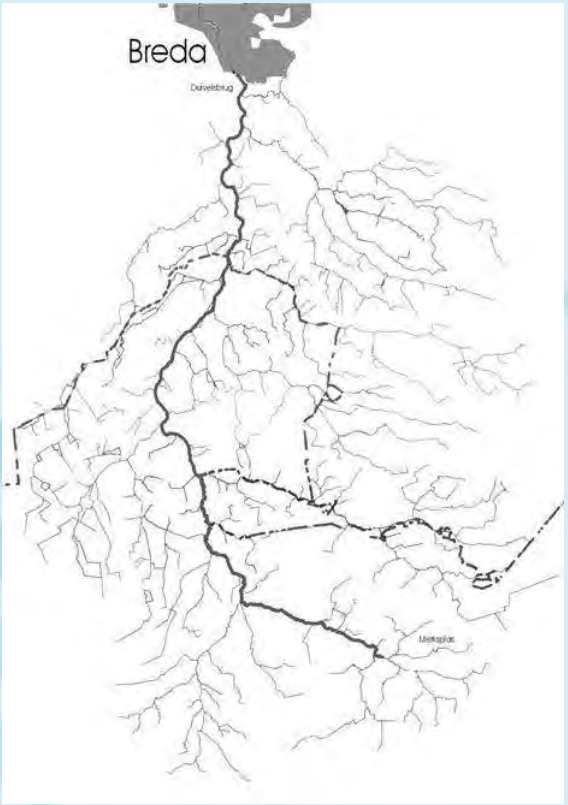
- upstream measures

  retention and nature aspects
- enlarge biodiversity

  f.e.fish migration

Southern part of the city Breda

- Height from Belgium border to Breda: app. 15 metres
- Small tributaries run down towards river Mark
- Search for retention and overflow areas



Types of watercourses

- Small ditches, brooks
- Canals
- Rivers Mark and Vliet

Restore of natural watersystem

- Meandering and water retention
- Fish ladder
- Monitoring by fish counter

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