

New Ecological Insight

In the Dutch South Western Delta (Zeeland)

Delta Works

- Cause:
 - Big flooding in 1953, we never want that again!!
- What were the plans
 - Increase of the heights of the dykes
 - Closing dams between all islands in the South West
 - Except the entrance to the Belgian harbor area (Wester Schelde)
 - Artificial locks near Rotterdam

What was realized?

- The dykes (finished 2009)
- Closing dams about 1980 all closed.
 - Except the Oosterschelde dam, which remained an open dam.
- Artificial locks like the 'Maeslandt kering'
- Some parts still under construction in 2010



South West Delta (Zeeland)

- Closed dam
- Oosterschelde dam (open)
- Wester Schelde open



We realize ourselves:

- About the South-Western Delta
 - unique area where rivers Rhine, Maas and Schelde and the sea met for ages.
 - High economical value
 - Improved extremely, also the safety after finishing the Works
 - High ecological value
 - Declined as system
 - Tidal dynamics with rivers was no longer possible
 - Causes:
 - Problems with, recreation, nature, water quality, fishing and shellfishing

Experiments in 2009 to :

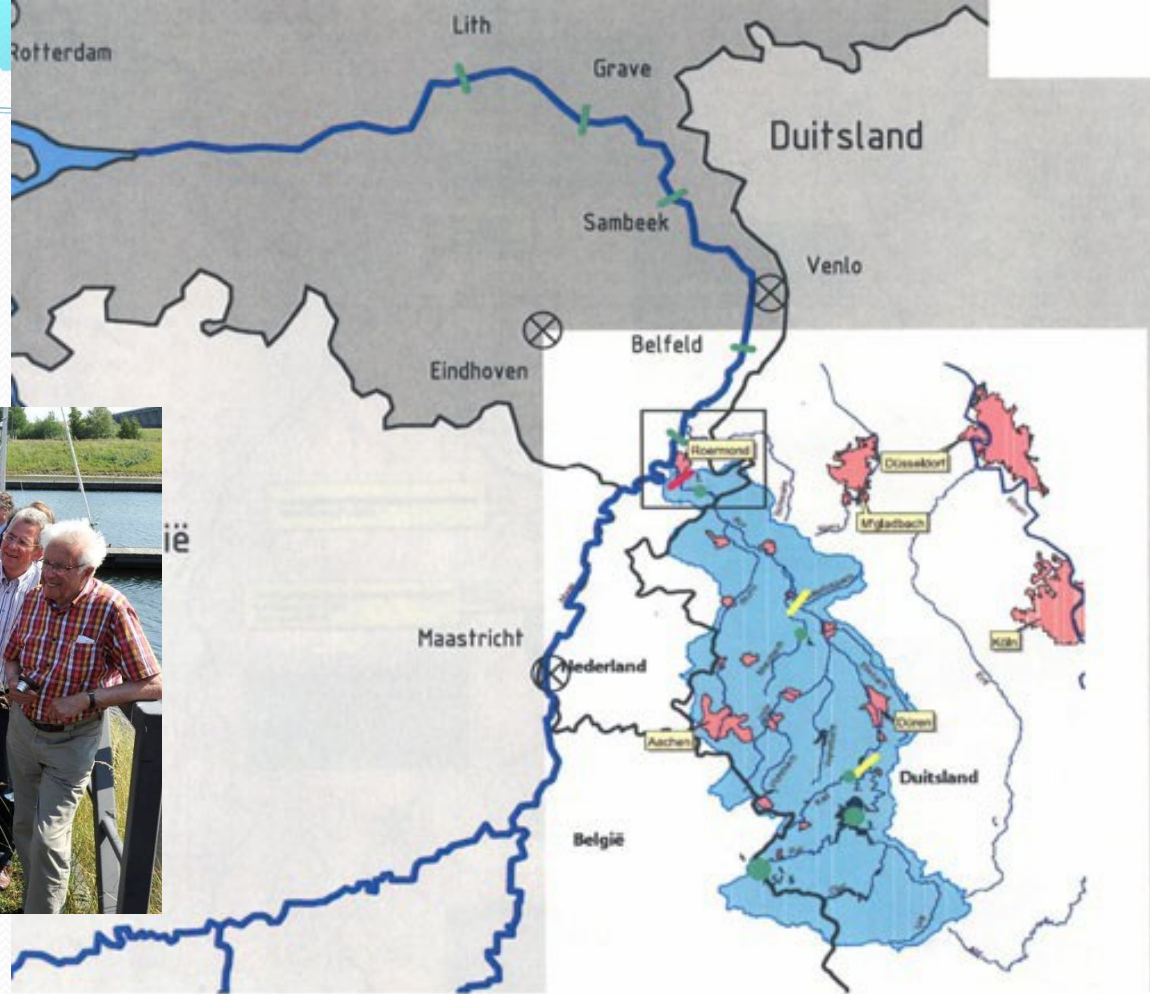
1. improve migration of fish
2. improve fish variety
3. avoid decline of sea grass
4. Improve fish and shellfish productivity



Outcome

1. De Delta will be re-opened, as well the entrance of the rivers Rijn, Maas and Schelde
2. The area's connected to those rivers will be come available for fish like salmon and eel.
3. Improvement of nature
4. Renovation of sea grass area's
5. Improvement of fish and shellfish production
6. More experiments and research must be done

Influence of future changes



LEGENDA

- Te ontsluiten stroomebed van de Roer
- Stuw voorzien van vispassage
- Vismigratieknelpunt Roerdelta (Project site)
- Vismigratieknelpunten die in de periode 2006-2010 worden opgelost
- Natura 2000- gebieden

NATURA 2000- GEBIEDEN

- 1= Roerdal
- 2= Kallfali
- 3= Kermeler
- 4= Oberlauf der Ruhr
- 5= Maastrichter Roer
- 6= Fagnes de la Roer

