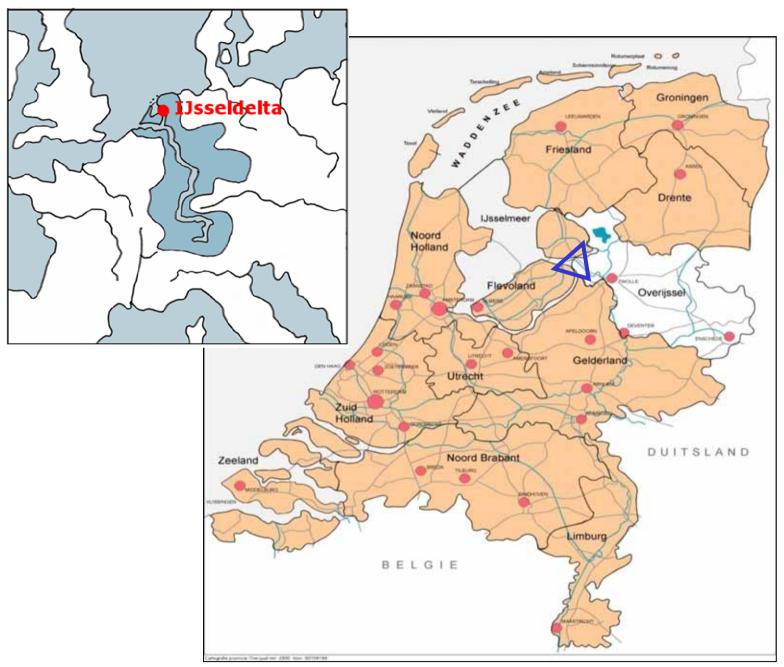


Arjan Otten

Province of Overijssel









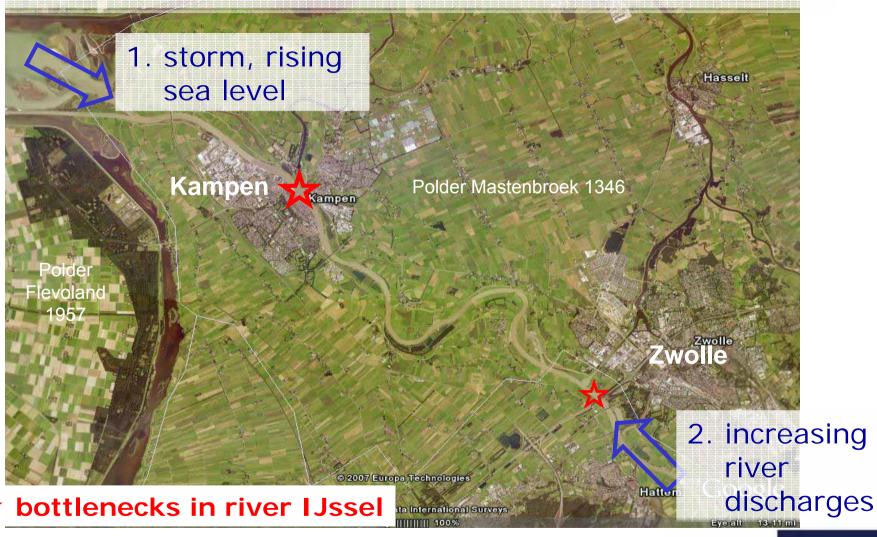






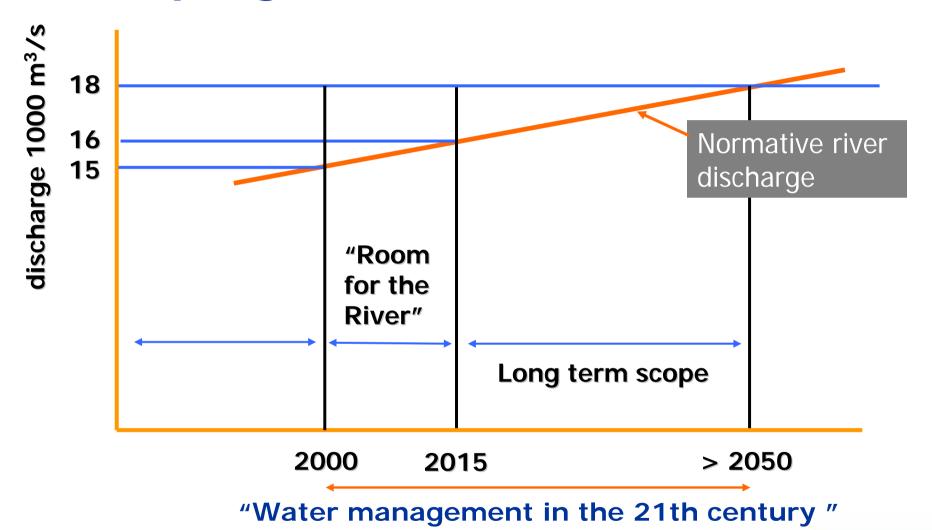


Climate change in the IJsseldelta





National programme 'Room for the River'



project -- ijsseldelta --

Room for the river measures in the IJsseldelta

1. enlargement of summer bed:

- national initiative
- 'easy and cheap'
- short term

2. dike displacement Westenholte:

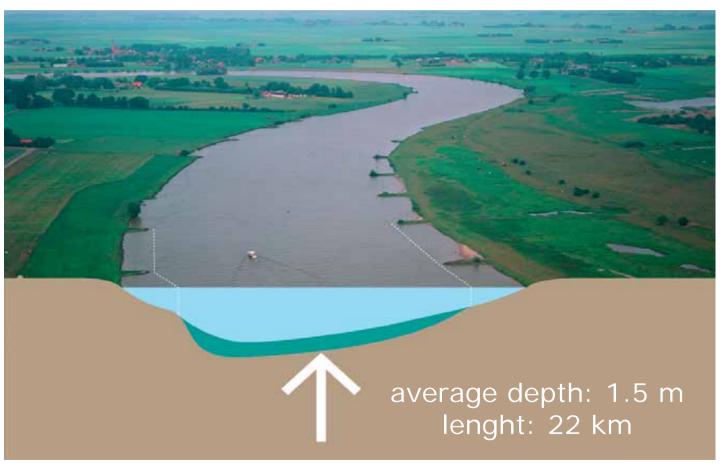
- regional initiative (coproduction)
- combined with nature development and a country estate

3. river bypass:

- regional initiative (coproduction)
- complex and more expensive
- sustainable solution

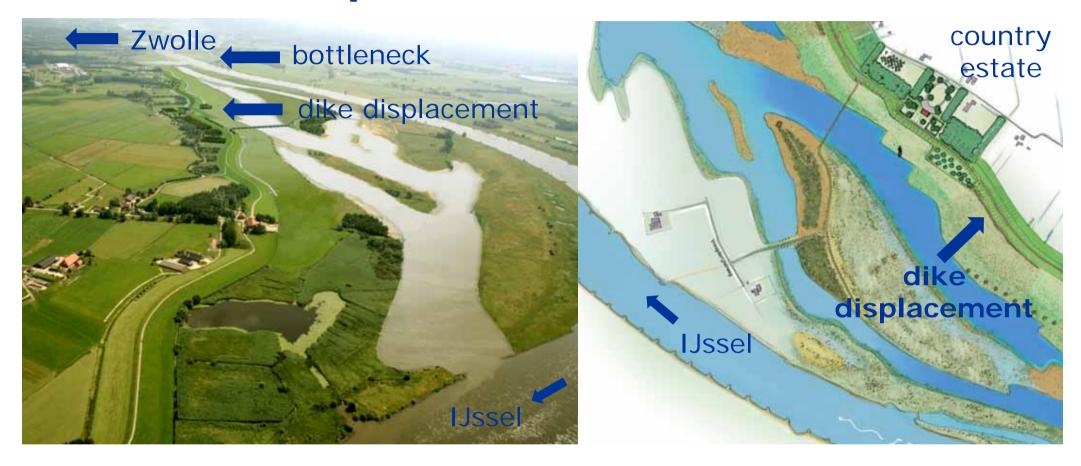


Enlargement of the summer bed (national initiative)



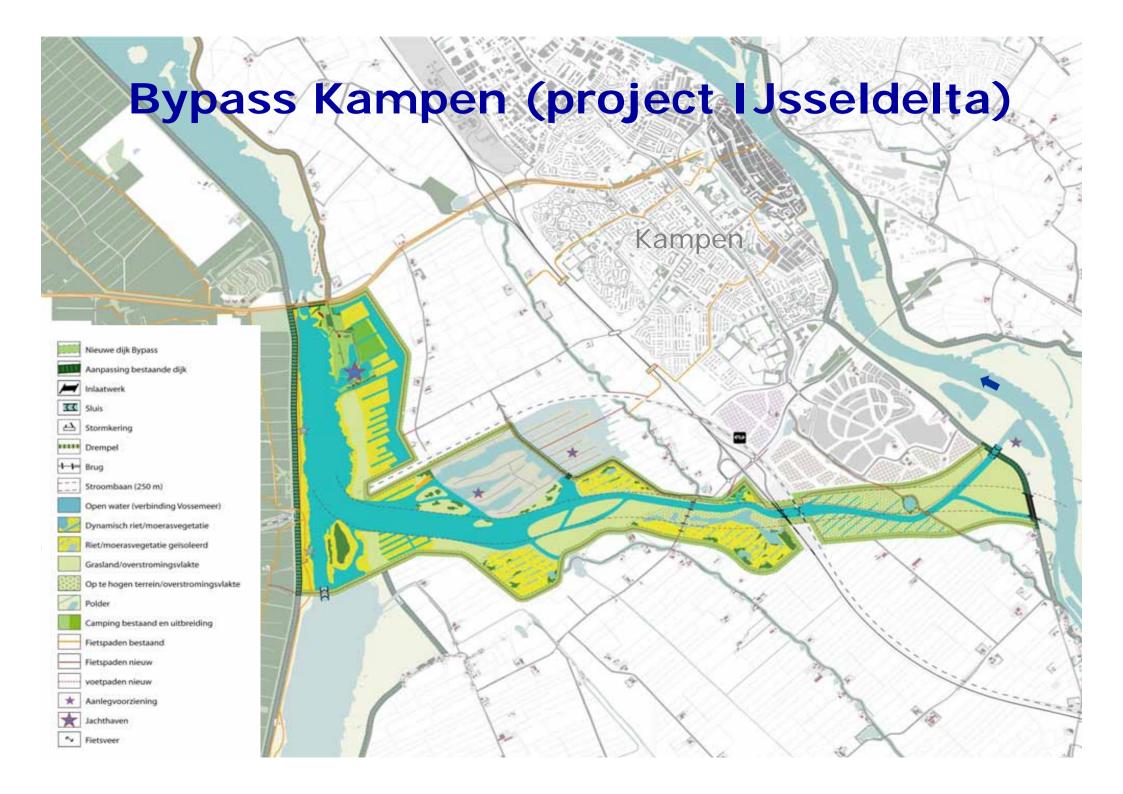


Dike displacement Westenholte

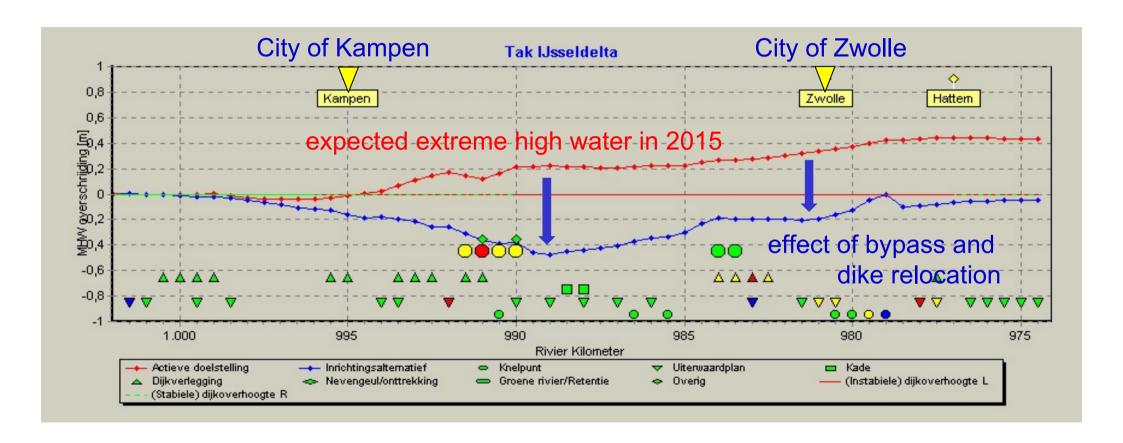


Combined with nature development and a new country estate





High water in the IJsseldelta and the effect of 'Room for the River'







How to get to a supported, sustainable development plan?



Challenge of Project IJsseldelta

- 6 spatial issues: flood protection, nature development, agriculture, housing, railway, highways
- 11 governmental organizations
- 11 non-governmental organizations
- many individual stakeholders
- very short period of time (deadline railway)
- limited budget



The Overijssel approach

- 1. combine and integrate the spatial challenges as much as possible
- 2. joint cooperation with the stakeholders
- 3. province as director of the planning process
- 4. intense and direct public participation (interactive, bottom-up)
- 5. goal: agreement (plan + implementation!)
- 6. based upon a view on sustainability and climate adaptability.

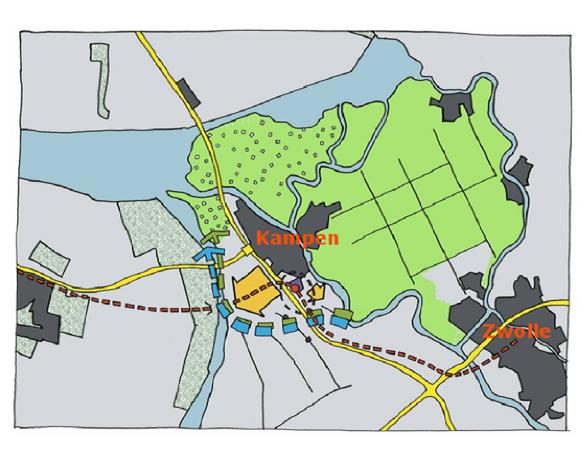


Process Project IJsseldelta

- 2005-2007: interactive, informal phase
 - December 2005: agreement adaptation railway line
 - June 2006: Masterplan
 - January 2007: gentlemen's agreement
- 2007-2011: formal phase
 - review of the strategic regional land-use plans (2007-2008)
 - purchase of land and real estate (2007-...)
 - financial agreement, consequences of advice Deltacommittee, etc.
 → go/no go decision (beginning 2009)
 - review of local land-use plan and dike relocation plan (2009)
 - licenses, permits, blueprints (2010-2011)
- 2011-2030: implementation
 - 2011: start construction levees, dams, storm-surge barrier, sluices
 - 2013: railway operational
 - 2015: bypass operational
 - 2013-2030: housing development



1. Combination and integration of the spatial challenges

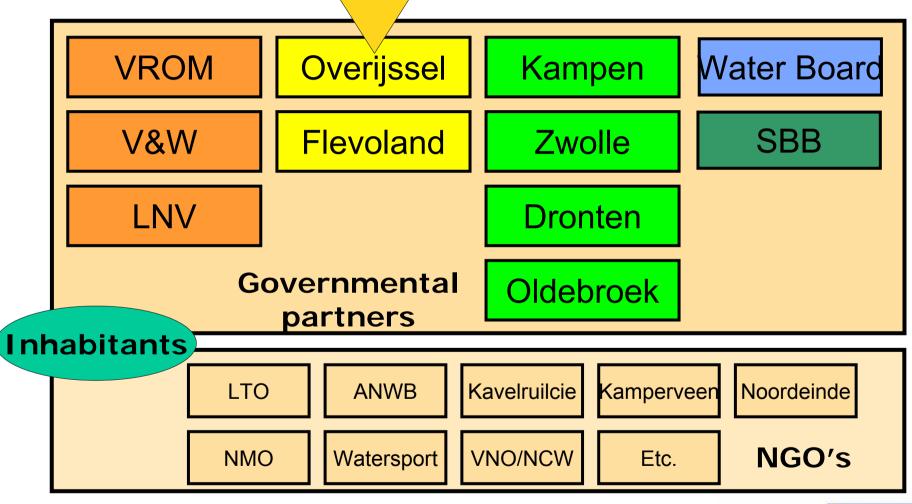


Spatial strategy:

- combine and integrate the major spatial developments (including a river bypass) in the soutwest
- prevent large scale developments and preserve the resilience to adapt to climate change in the northeast of the delta (green area on the map)

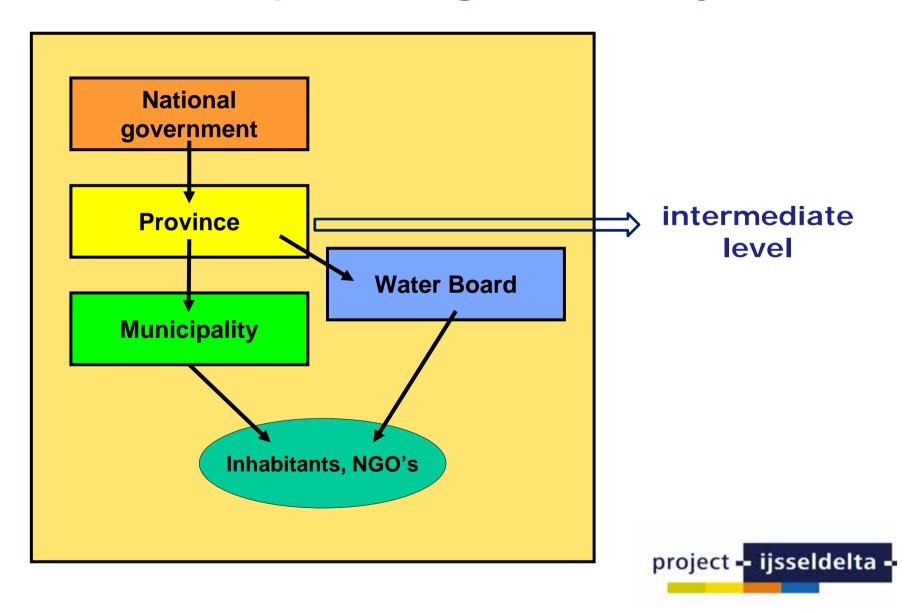


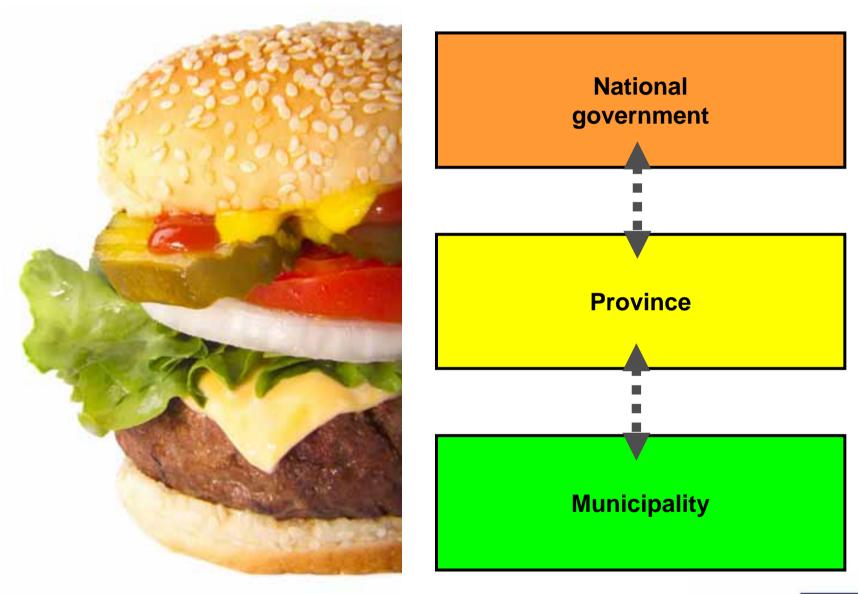
2.+ 3. Joint cooperation with the province as a network director





Traditional planning hierarchy







4. Open, direct and intense public participation













Beginning 2005: 5 initial scenarios





A short but turbulent period of opposition and resistance...

Bypass IJssel bij Kampen heeft ingrijpende gevolgen voor dorp

Noordeinde overvallen door miljoenenproject

Medialeger overspoelt dorpje Noordeinde

door ROEL KLEINE
OLDEBROEK

Het Veluwse dorpje Noordeinde in de gemeente Oldebroek is gisteren niet overspoeld door het rivierwater van de IJssel, maar wel overvallen door een medialeger.

TV-ploegen van de verschillende omroepen en verslaggevers van kranten waren naar Noordeinde afgereisd om de perikelen rond de bypass-operatie te verslaan. Zoals door deze krant gemeld was de provincie Overijssel het dorpje vergeten te informeren over de voor Noordeinde desastreuze gevolgen van het IJsseldelta-project. In vrijwel alle scenario's wordt praktisch het hele dorp van de kaart geveegd. Saillant detail is overigens dat de Overijsselse gedeputeerde Rietkerk oud-inwoner is van de gemeente Oldebroek.

We zijn overvallen door alle publiciteit', meldt de gemeente Oldebroek. SBS 6, RTL 4, Netwerk, De Volkskrant, RTV Gelderland en RTV Oost zijn in Noordeinde geweest om er met de verontwaardigde inwoners te praten.

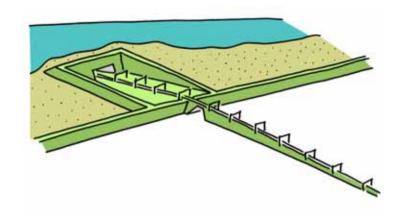




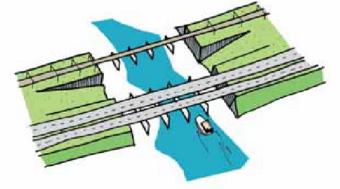
Spring 2005: birth of the 6th scenario, developed by the public! project - ijsseldelta -

5. End of 2005: agreement upon adaptation and financing (€ 30 million) of infrastructure





1. adaptation of tunnel railway



2. crossover of railway and motorway with bypass



Masterplan and gentlemen's agreement (2006/2007)

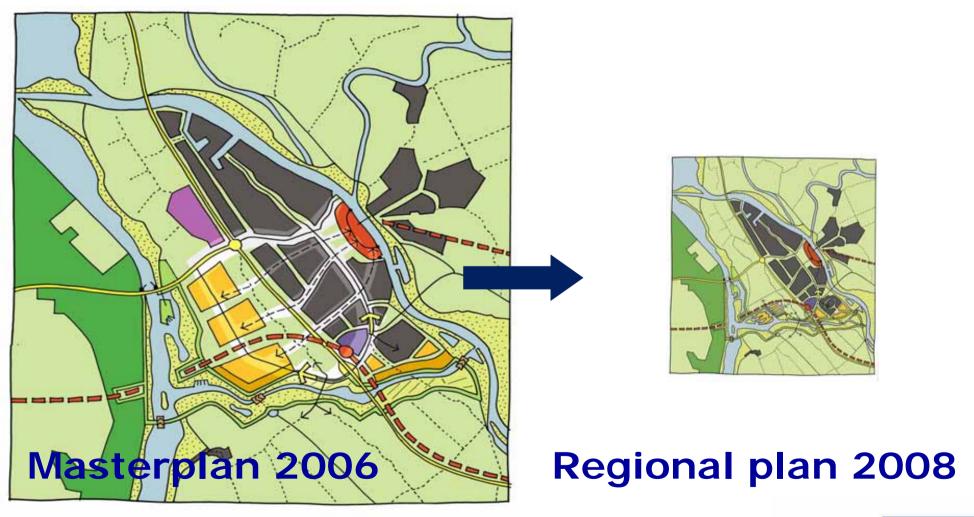






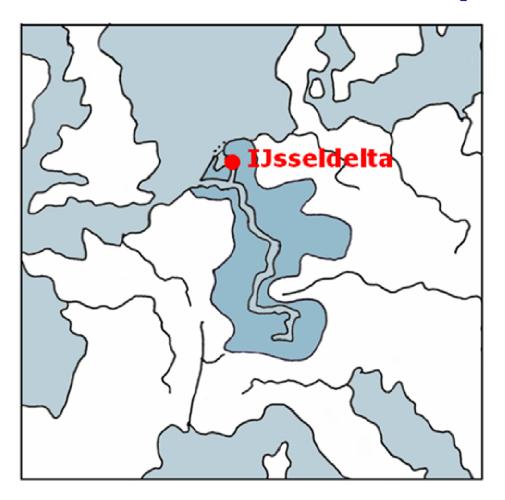


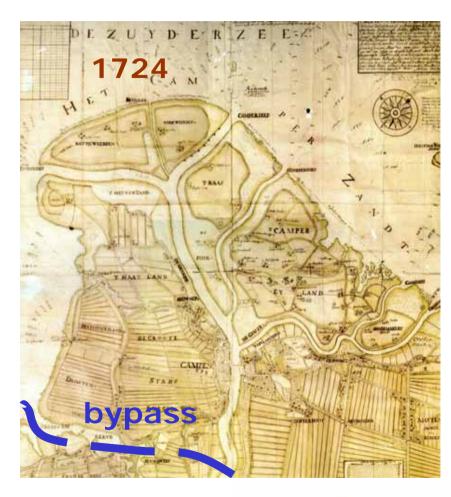
Review of the Regional plans (2008)





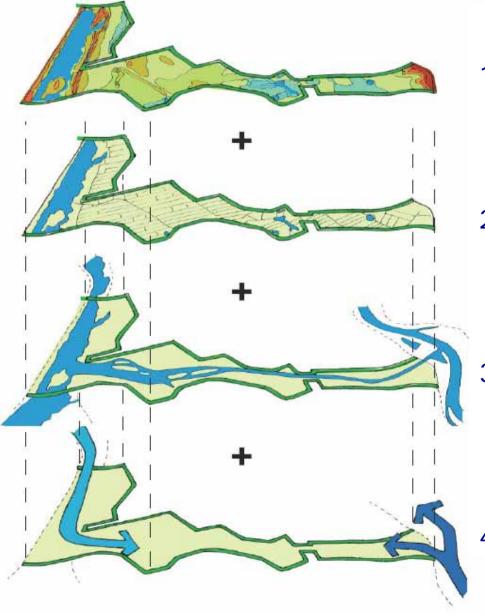
6. Based upon a view on sustainability and climate adaptability







Sustainable principles for bypass design



1. soil characteristics

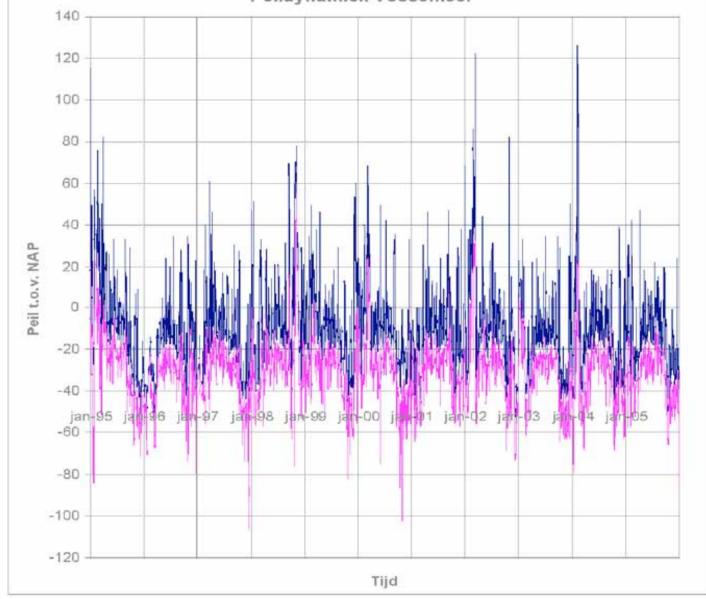
2. landscape structures

3. connection IJssel - IJsselmeer

4. space for water

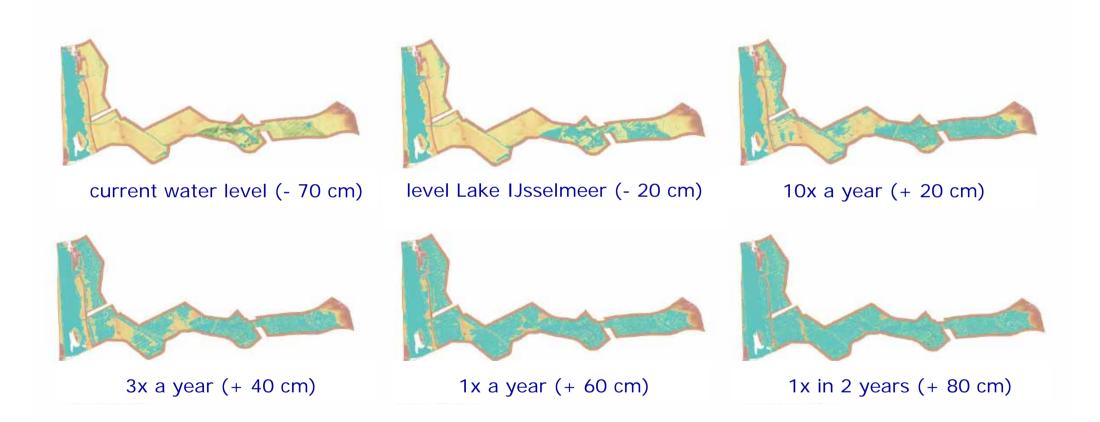


Fluctuations of water level in IJsselmeer





Water dynamics in the bypass





Water as a motor for nature development



- 350 ha. nature development (partly Natura 2000)
- chances for important/rare ecosystems (water reed, marshes)

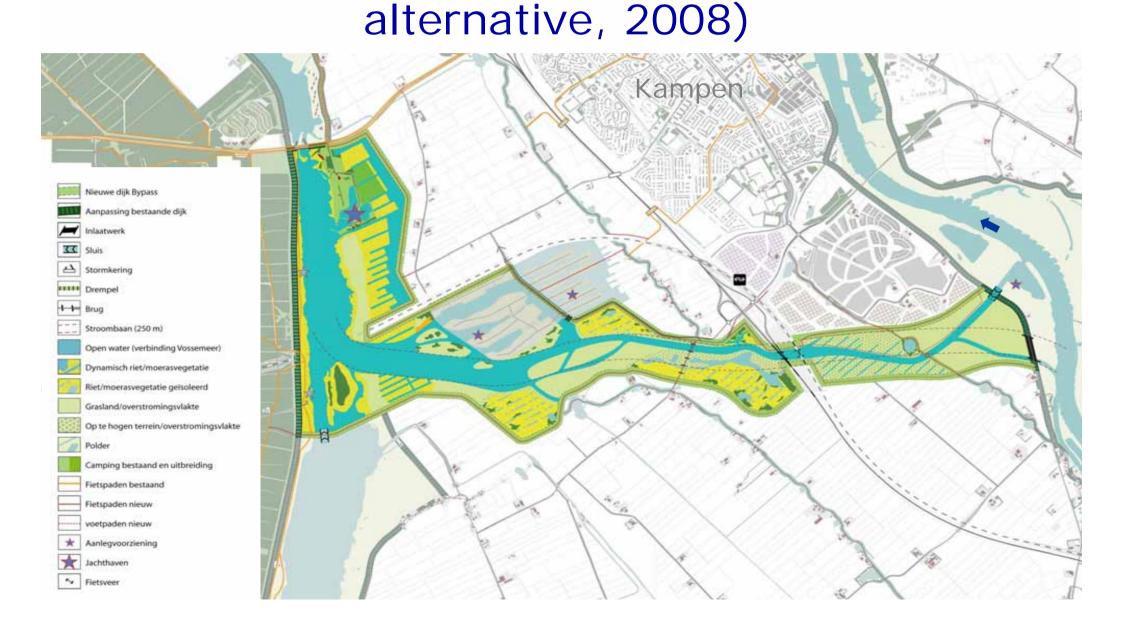




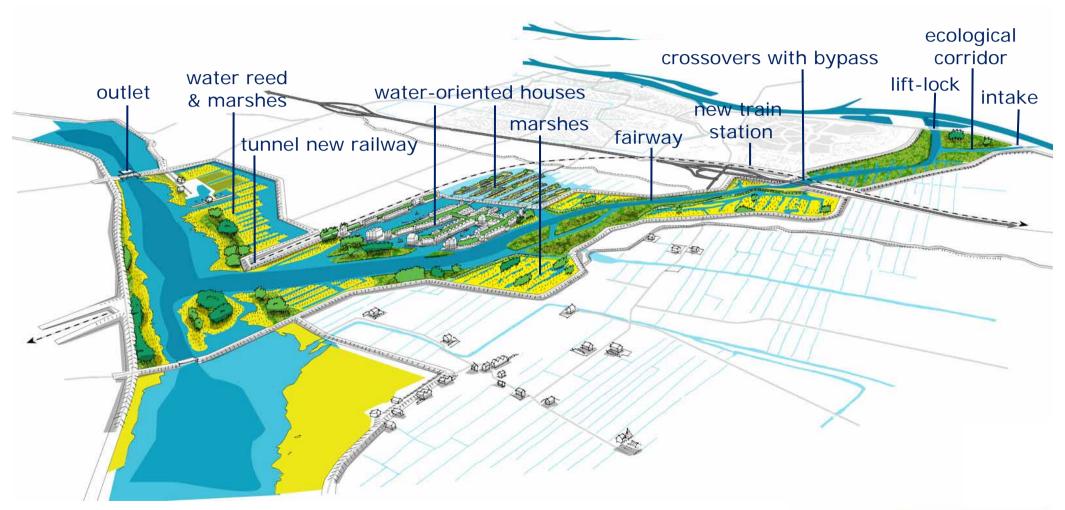




Impression preferred alternative bypass (based upon the most environmentally friendly



Bird's eye perspective of preferred alternative (2008)





Advice of the Delta Committee (autumn 2008)

- emphasis on the necessity of long term 'space for the river' measures
- increase the level of the Lake IJsselmeer with a maximum of 1.5 m. in the long term



Statements

- 'think globally, act locally' is a hell of a job in multistakeholder plan-making processes
- top-down policy directives are a helpful necessity in case they trigger (instead of block) local action
- the most important success factor of multi-stakeholder plan-making processes are the personal skills and qualities of the stakeholders themselves (e.g. network competences, vision, leadership, negotiating skills)





Public partners of project Usseldelta



Province of Overijssel



Municipality of Dronten

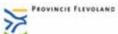


Waterboard Groot Salland



Ministerie van Verkeer en Waterstaat

Ministry of Transport, Public Works and Water Management



Province of Flevoland



Municipality of Oldebroek



Waterboard Zuiderzeeland



Ministry of Housing, Spatial Planning and the Environment



Municipality of Kampen



Municipality of Zwolle



Staatsbosbeheer



agriculture, nature and food quality

Ministry of Agriculture, Nature and Food Quality

Main consultants



DHV Consultancy and Engineering



H+N+S Landscape Architects

