

The Ecodesign Challenge

Introduction to the project

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and

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Program

- 10.15 MVK about EDD: Think, Act, Interact differently
- 10.30 intro MDV about structure EDD challenge and case selection
- 10.45 group selection and groups select cases
- 11.15 Groups present 5 minuten on case and challenge
- 12.00 MVK over WIKI 10min

Goal

- Apply BwN concepts for realistic case in the Delta using Eco-Dynamic Design process and produce a useful result

Product

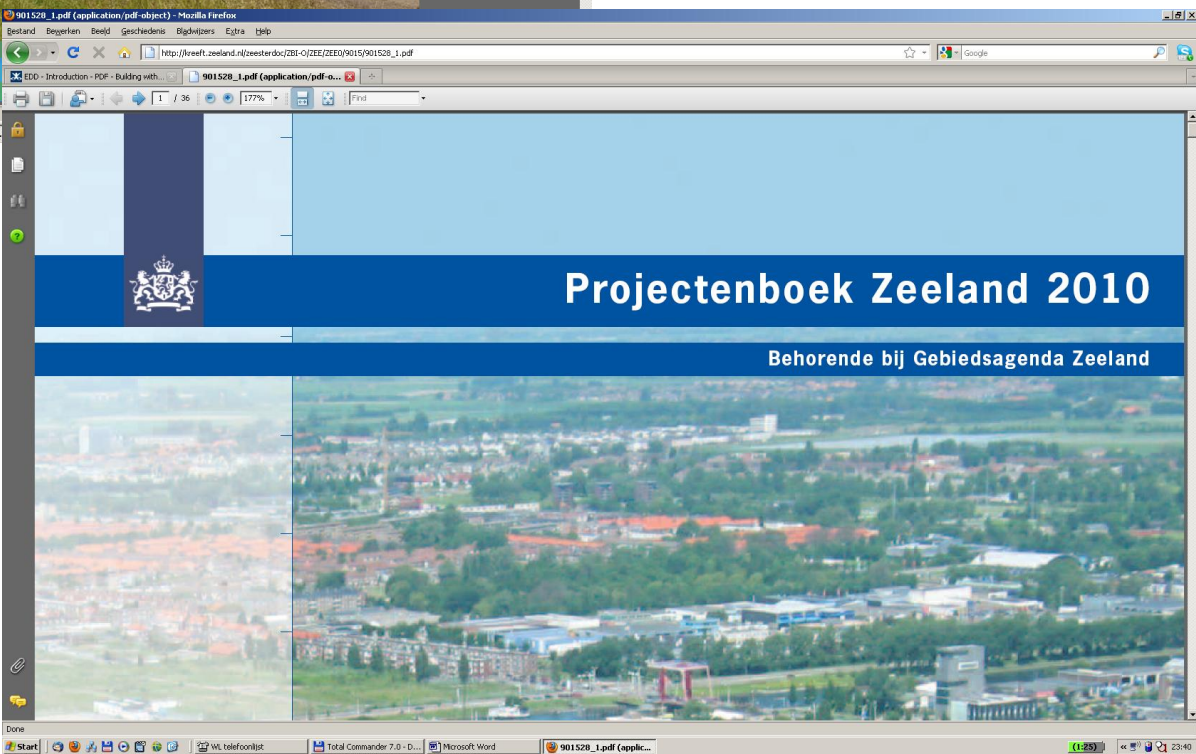
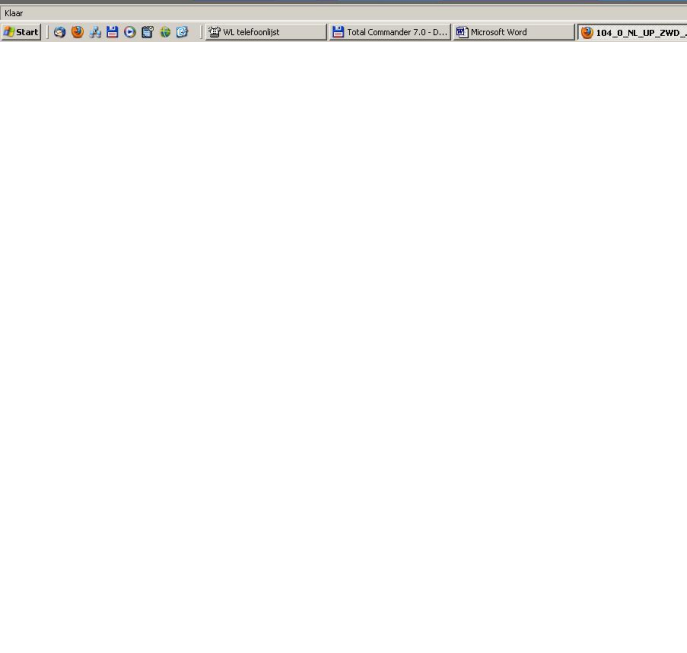
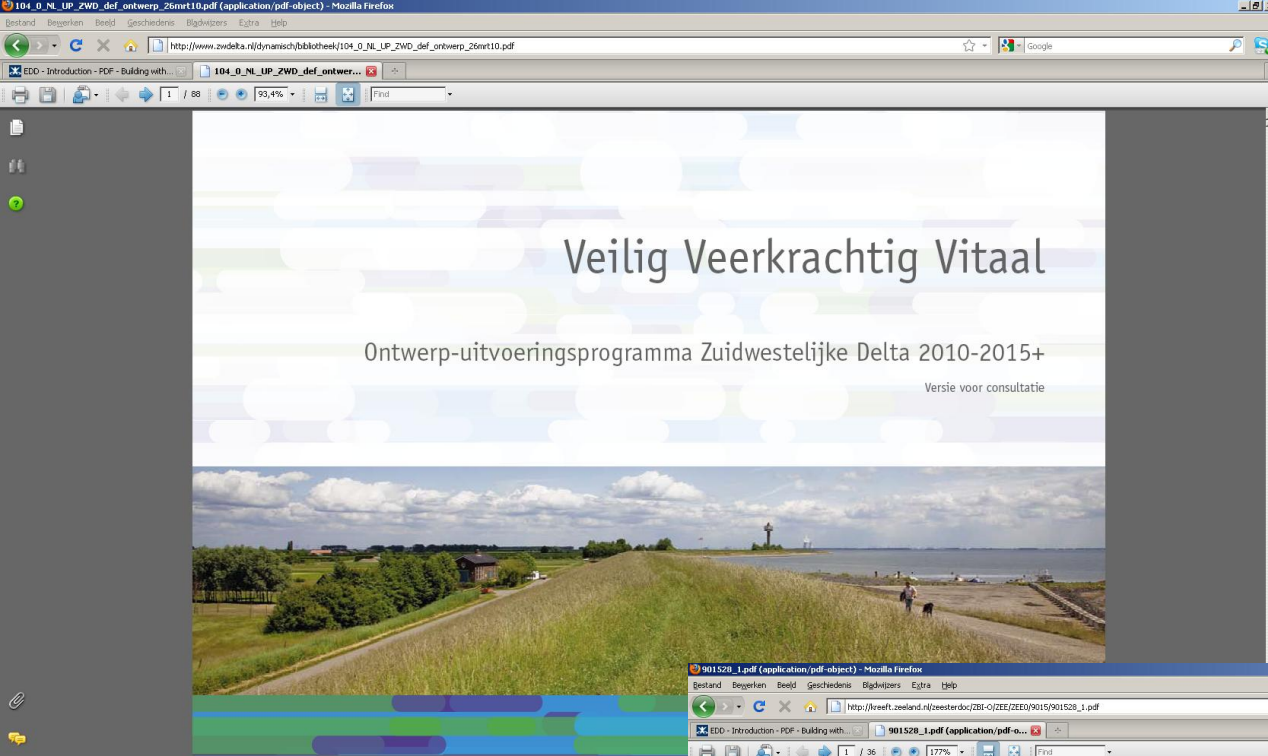
- We want you to write a project proposal minimum 10 A4, excluding introductory pages (title, summary, index) and closing pages (literature, annexes)
- We want you to be creative and use all means of presentation that you can. You have to sell the product to the stakeholders. Use of powerpoint or equal is discouraged
- Best ideas could be implemented in Ecoshape WIKI

Scoping

- The Delta is encountering many problems. Ecosystem quality is deteriorating, economy is not growing, population is shrinking and is getting older.
- Climate is changing and sea level is rising.
- You are at the front of vision making and problem solving. You know about BwN. We need your input.

Sources

- You should read the Vision presented by the programmabureau Zuidwestelijke Delta (Uitvoeringsprogramma Veilig Veerkrachtig Vitaal).
- Read Projectenboek Zeeland 2010
- You should check the web for more challenges in the Delta and need for innovations



Tentative case list

- Your own case
- Haringvliet, geen kier maar wat dan wel
- Grevelingen, energy-quality-recreation
- Cadzand, livelihoods, recreation, nature, safety
- Sand engine Zeeuws Vlaamse nord-west coast
- Ecodesign (Eastern) Scheldt dikes and foreshores for construction and long term cost effective maintenance
- Diminishing shallow areas Eastern Scheldt? Multifunctional sand engine solutions?
- Banjaard-Onrust weak spot stabilized by ???
- Compensation for Hedwige polder (nature + safety+?), search for new saltmarshes along Westerschelde shores, what can we do in Westerschelde mouth?
- Rich harbour walls and piers, green ports/harbours. How can we use a harbour as beneficial for regional ecosystem?
- How can we combine economic activities such as growing of mussels and oysters with other functions to solve challenges?
- Improve salt-fresh transitions, wet-dry transitions. How would you design a connection between Eastern Scheldt (salt) and Zoommeer (fresh)?
- Design your own 'Kustlaboratorium'

What to do?

- We want you to select cases where a difference can be made and write a project proposal
- We challenge you to design a case using BwN principles, based on the EDD process.
- This means that we want you to 1) Think differently, 2) Act differently and 3) Interact differently.

Content of project proposal

- - Select a case
- - Describe the problems and challenges
- - Describe current situation of ecosystem, economy, socio cultural
- - Describe local and regional ambitions > Veilig, Veerkrachtig, Vitaal, People-Planet-Profit
- - Identify and describe stakeholders
- - Describe possible solutions to challenges for selected case
- - Describe (long term) costs and benefits,
- - Describe win-win situations
- - Describe how we can select the best solution
- - Select best solution. We could involve Prov, RWS, Ecoshape
- - Describe possible alliances of parties
- - Make a pre-design and do costing and benefit
- - Look for funding sources, such as OP-Zuid
- - Present the result by telling the story in an attractive manner.

Groups and cases

1. Anne, Pim, Joost
 1. Lake Grevelingen, nutrient problem
 2. Recreation, Agriculture, Nature, Safety
2. Stephanie, Jasper, Rik
 1. South West Walcheren, Vliss-Zoutelande, safety and spatial quality
 2. weak links, recreation, shipping, erosion
3. Joao, Eva, Wessel
 1. Weak link Zws-Vlaanderen, construction of sand banks offshore.
 2. Aquaculture, safety, land reclamation, recreation
4. Tao, Jan-Kees, Martijn
 1. Haringvliet, closed barrier, ecosystem problem
 2. nature (fish migration) vs agriculture (fresh water)
5. Michael, Fabian, Lotte
 1. BoZ at sea. Poor water quality, livability, ecology
 2. tidal influence, fresh water runoff, natura 2000, pollution, sluices
6. Babette, Bas, Bob
 1. Flooding Hedwige polder
 2. nature compensation, politics
7. Benjamin, Daan, Vera
 1. Rich harbour Sloegebied, low biodiversity
 2. benefit for regional ecosystem
 3. hard structures, soft structures
8. Jan, Marijn, Raymon
 1. Cadzand, Sand Starvation, erosion, safety, ecosystem
 2. creative beach nourishment,
 3. Eva, Martijn, Rik, Anne afwezig op 215 december

Planning

- Case selection: today, 25/11
- Each Thursday after lectures possibility for interaction with lecturers
- Finalization of case selection december 2
- Deadline december 16: ecosystem, challenges, ambitions, stakeholders in English outline of 2 A4
- Deadline January 6, per group: Presentation of case and possible solutions, costs and benefits
- Deadline January 27: Presentation to stakeholder in nice location

How to start?

- Today 25/11:
 - Group identification
 - Select a case (this could be a whole system such as Grevelingen, a part of a system such as Brouwersdam, a location such as the inlet into the Grevelingen or a harbour or a village, etcetera.)
 - Describe the problems and challenges
 - read info on VLD
- January 6, 2011: Presentations and workshop to refine/improve product