





PBL Netherlands Environmental Assessment Agency

Dutch experiences with nature based solutions for safeguarding water safety

May 13, 2015 | Arjan Ruijs





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Nature yields solutions for climate adaptation

but

- how to get nature based solutions on the agenda?
- how to include them into decision making processes?
- how to realize them?

1. Legal frameworks 2. Cooperation/organisation 3. Financial models 4. Knowledge and pilots

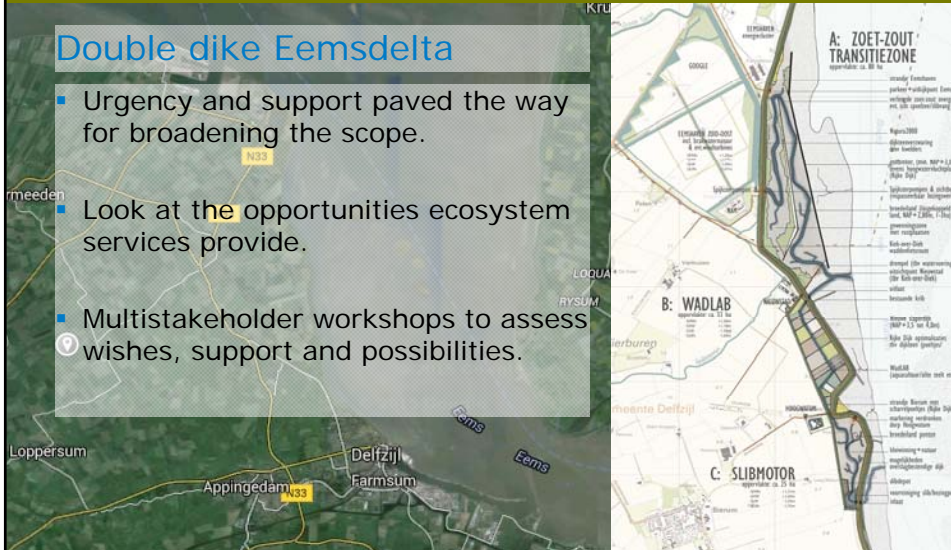


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Double dike Eemsdelta

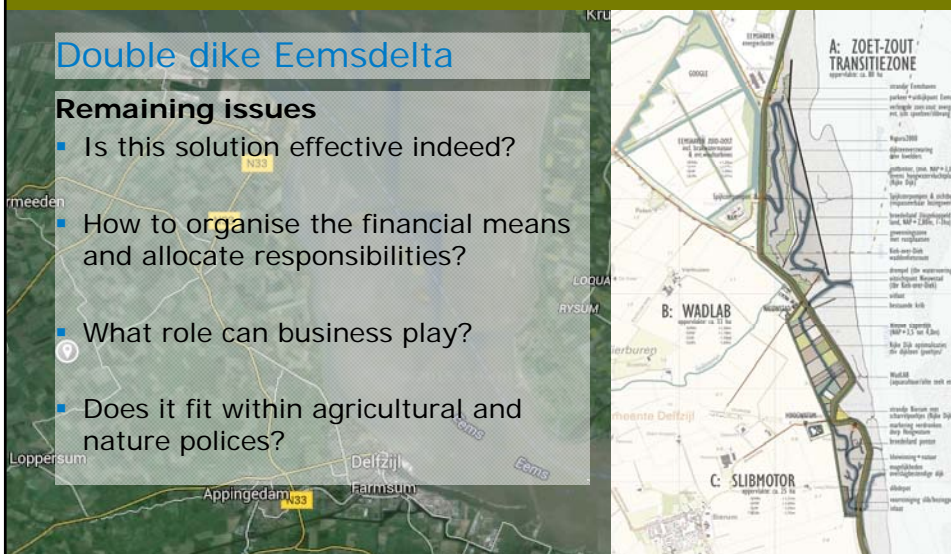
- Urgency and support paved the way for broadening the scope.
- Look at the opportunities ecosystem services provide.
- Multistakeholder workshops to assess wishes, support and possibilities.



Double dike Eemsdelta

Remaining issues

- Is this solution effective indeed?
- How to organise the financial means and allocate responsibilities?
- What role can business play?
- Does it fit within agricultural and nature polices?





Climate buffers

- Seed money from the Government initiated cooperation.
- Consortia of parties jointly combined water safety with nature development.
- Different parties co-financed the projects.
- Nature organisations played a new role.



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Climate buffers

Lessons

- Vicious circle: Urgency vs. suitability!!
- Areas without strong interests are most suitable for NBS.
- Conventional solutions are perceived to be safer.
- Strict rules can counteract but also support NBS.



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General lessons

Nature can yield solutions for climate change adaptation!

- Several barriers prevent implementation.

1. Legal frameworks



2. Cooperation/organisation



3. Financial models



4. Knowledge and pilots



- Need for experiments/pilots.
- Rule-free zones are helpful.
- Cooperation is a key factor!

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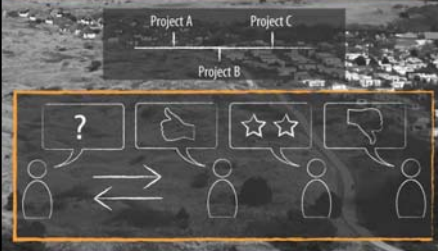
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General lessons

Nature can yield solutions for climate change adaptation!

- Several barriers prevent implementation.
- There is no one-size-fits-all solution.

LEARN from pilots, knowledge, experiences, stakeholders



- Anticipate on language differences.
- Proces design is important.
- Expand the solution space.

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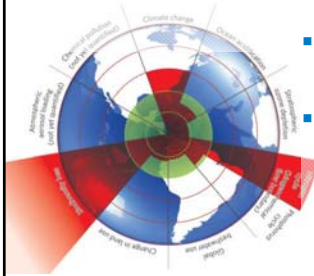
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General lessons

Nature can yield solutions for climate change adaptation!

- Several barriers prevent implementation.
- There is no one-size-fits-all solution.
- Government is responsible for public values.



- Don't forget space and time.
- How to play a facilitating and legislative role?



Thank you

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