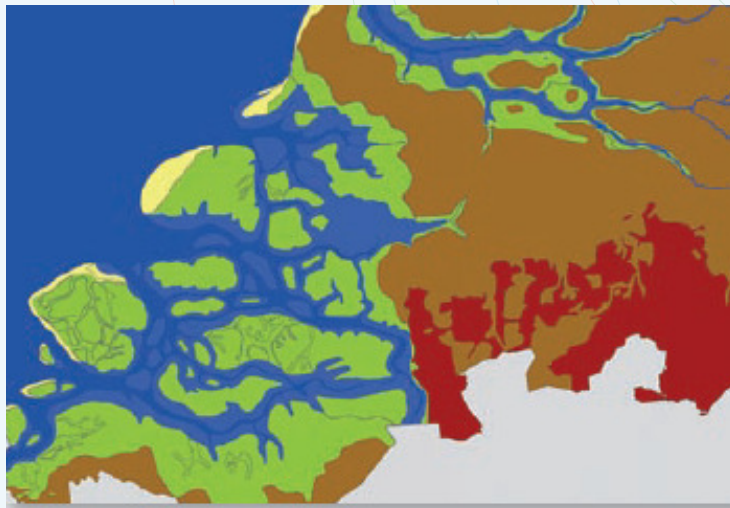
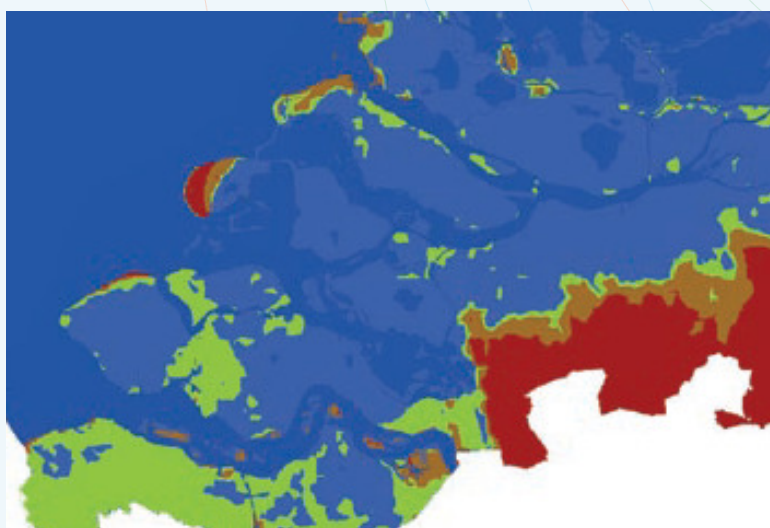


Without building dikes



Kennis voor Klimaat Knowledge for Climate

If we pull down dikes now



Kennis voor Klimaat Knowledge for Climate

Flood risk adaptation: #1 for decades

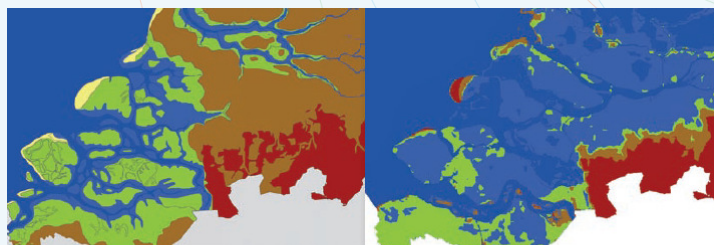
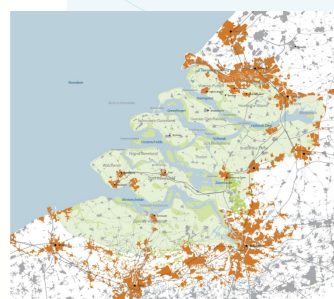
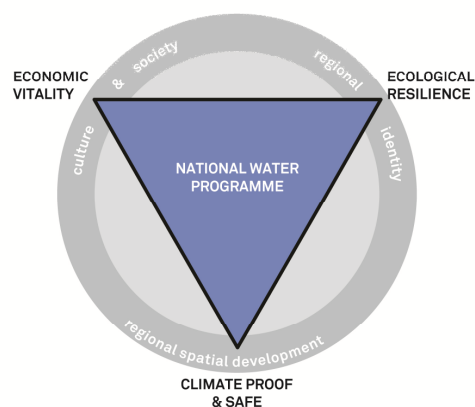


Fig. 12 Possible Delta area now, if we did not have started building dikes. Source: RISK in cooperation with les de Vries, Rijkswaterstaat, RIKZ, 2003.

Fig. 13 Delta, if we should pull down our dikes now. Source: RISK in cooperation with les de Vries, Rijkswaterstaat, RIKZ, 2003.

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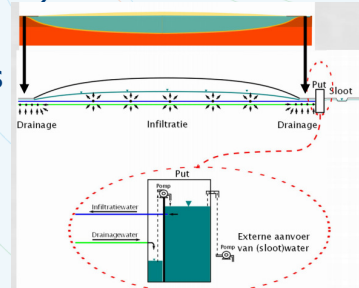
Goals of Operational Programme and NDP SWDelta



Kennis voor Klimaat Knowledge for Climate

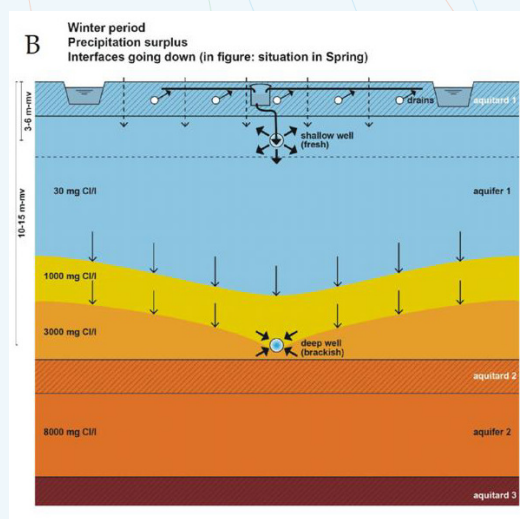
Focus in KfC in SW Delta

- Fresh water availability (theme 2)
- Governance (theme 7)
- Opportunities for entrepreneurs
- Estuarine dynamics
- Transdisciplinary
- Action research
- National Delta Programme/ South West Delta



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Fresh maker: pilot 2013 (tranche 3)



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Strenght & Weakness



Strength	Weakness
<ul style="list-style-type: none"> - KfC is represented in NDP ZWD - Entrepreneurs and climate scientists work on adaptive business plans 	<ul style="list-style-type: none"> - Transdisciplinary learning takes much time <p style="text-align: center;"> \wedge \parallel \vee </p> <ul style="list-style-type: none"> - Policy process (Delta Programme) progresses fast

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Opportunities & Threats



Opportunities	Threats
<ul style="list-style-type: none"> - The knowledge institutes work together in KfC. - Involvement of HZ University of Applied Sciences in fresh water research. 	<ul style="list-style-type: none"> - The science policy interface within ministries (EL&I, I&M) is sectorally organized. Transdisciplinary knowledge can be regarded as a threat.

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Weakness science policy interface



- Policy should be based on valid fundamentals
- Policy is often poly criterious and requires more expertise than ordinary university or commercial advisory agency can deliver
- Limited research budgets and lack of time don't allow to acquire the required expertise
- Basic data and assumptions from non proven sources are easily accepted resulting in likely biased fundamentals and thus policy ...

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Effect of improved fresh water supply in agro economic terms



- Required expertise:
 - Hydrology -> water availability in terms of quality and quantity
 - Climate change -> change of water availability
 - Agriculture -> effect of changed hydrology and climate on crops
 - Economics -> translation of crop production to euro's in a dynamic world market
 - WHO PROTECTS THE QUALITY OF THE OUTCOME?
 - WHO CARES?

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Plan

- Adaptation Strategy South West Delta is part of National Delta Programme: promising strategies (2013)
- Linking theme 2 Fresh Water & theme 7 Governance in regional cases
- Regional focus is on valorisation



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