



# Dutch Delta Programme

*"Transitions and the role of knowledge and innovation management"*

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## The Dutch Delta programme

- A new form of public governance
- Based on principles for co- creation
- Joint fact finding as an important strategy
- With a keen eye on results, impact and decisions
- In an comprehensive programme organisation with a Delta commissioner



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## The Dutch Delta programme



3 general programmes:

- Safety against flooding
- Fresh Water
- Building and transformation

6 regional programmes

A Delta Commissioner and a small staff



## The Dutch Delta programme

Focus on:

- A safe delta, where people dwell and sustainable business development is possible
- A sustainable supply of fresh water

Working on:

- 5 Delta decisions
- Short term measures to increase robustness and add to the adaptive power of our Delta
- Knowledge development and innovation



## **Governing knowledge development and innovation**

Applicable knowledge has to be developed together with all stakeholders

Joint Fact Finding is essential in all phases, from problem definition to realizing measures



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## **Governing knowledge development and innovation**

Joint Fact Finding is carried out in all programmes, both regional and general

Limited overall knowledge development:

- Deltamodel
- Decision making framework
- Set of basic values and starting points



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## **Joint fact finding as a step towards co-creation**

Coherent set of knowledge agendas

Bringing together all explicit and implicit knowledge, from all stakeholders including knowledge institutes

Development of knowledge only if that supports decision making or creates innovative measures

Knowledge management only on demand



## **Overall knowledge development as support**

Basic values

Decision making framework

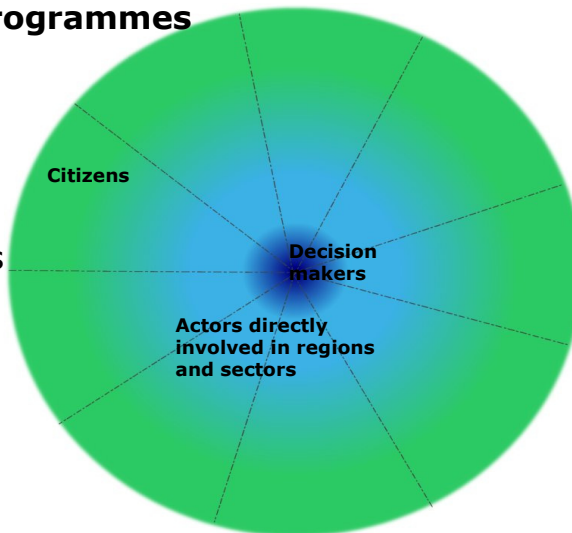
One joint Delta model





## Stakeholders in 9 programmes

- explicit and implicit knowledge
- stakeholder specific needs and instruments
- off-line and on-line



## For instance

For the regional programme IJsselmeer:

- Sessions on joint fact finding both in regions as for economic and non governmental sectors
- Culminating in 2 'IJsselmeer weeks', functioning as pressure cookers
- Leading to a list of possible strategies that can be implemented to meet the challenges





## Adaptive Delta management

- Mapping scenarios based on existing knowledge to determine the challenges faced
- Design possible measures to meet these challenges
- Focus on identification of opportunities for transitions as solutions (instead of large scale constructions)

Due to great uncertainties, flexibility in the approach is crucial



## Co-creation asks for learning from each other

- Directors of the programmes come together to develop the Dutch Deltaprogramme together
- Community of practice with people from all programmes on 'involvement of stakeholders'
- Search for social media and digital tools to stimulate learning from each other
- Learning takes also place in (innovative) projects





## Room for innovation

Both technological and social innovation are needed

→ Technical innovations focus on multi-functional dikes, monitoring safety of dikes, fresh water retention and regional scenarios and measures

→ Social innovations lead to new public private partnerships, new business models and new forms of co-creation

Existing projects should give room for innovation (like 'Afsluitdijk' and 'Zandmotor')



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