What was critical in shifting decision-making thinking towards long-term risks?

To start:

organize a strong political statement

- A serious threat, unfolding in time and place, at uncertain rate, ...
- justifying major interventions, that can be brought within reach, ...
- that have positive side effects, and can be linked

To continue: stabilize the resulting process

- Delta: Act / Commissioner / Fund / Programme / Decisions
- Commitmentatall levels of government
- Periodic reviews / Annual progress report to Parliament

Government → Uncertainties

Structure and behaviour present system

Future and sand events Execution of the plan

How was (future) uncertainty integrated into decision problem?

→ A daptive perta management: § aspects

Delta scenarios Stress test cornerstones field of plausible futures Research underlying assumptions Adaptatior nathways Monitoring
Analyzing Actin

+ Signal Group

Predefined check cycles (1/6/12 years)

What did we learn by doing this?

ADM / Adaptation pathways very effective in getting adaptation processes started: in mobilizing politicians and in supporting policymakers in strategy development, but:

Maintaining LT options open requires continuous commitment and legislative enforcement	Analyzing data for distilling policy relevant signals is underrated
Short term advantages of long term options require early decisions	Signal Groupcan also function as "Red Team"
Detecting a trend and in identifying tipping points requires good signal/noise ratio	Combine retrospective monitoring with anticipatory modelling
Societal anticipation benefits from straightforward blue-print planning	Periodic confrontation: output – developments — outcome
Tipping points are often gradual; may require precise goals	Adaptive approach: new signals do not frustrate decision-making

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Deltacommissaris

DMDU 2017 – Water, floods and coastal adaptation

Practical application of DMDU methodologies

the Dutch Delta Programme

Pieter Bloemen (Staff Delta Programme Commissioner, IHE Delft) Jos van Alphen (Staff Delta Programme Commissioner) Marjolijn Haasnoot (Deltares, TUD) November 14, 2017, Oxford UK

What was critical in shifting decision-making thinking towards long-term risks?

Not acute = but urgent!!!



→ Agenda setting

To start:

organize a strong political statement

- A serious threat, unfolding in time and place, at uncertain rate, ...
- justifying major interventions, that can be brought within reach, ...
- that have positive side effects, and can be linked to short term decisions

Bloemen et al. DMDU-5

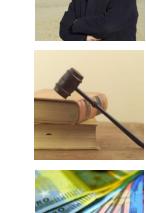
What was critical in shifting decision-making thinking towards long-term risks?

Not acute = but urgent!!!



→ Agenda setting

To continue: To start: organize a strong political statement stabilize the resulting process · A serious threat, unfolding in time Delta: Act / Commissioner / Fund / and place, at uncertain rate, ... Programme / Decisions Commitment at all levels justifying major interventions, that can be brought within reach, ... of government • that have positive side effects, and Periodic reviews / Annual progress can be linked to short term decisions report to Parliament



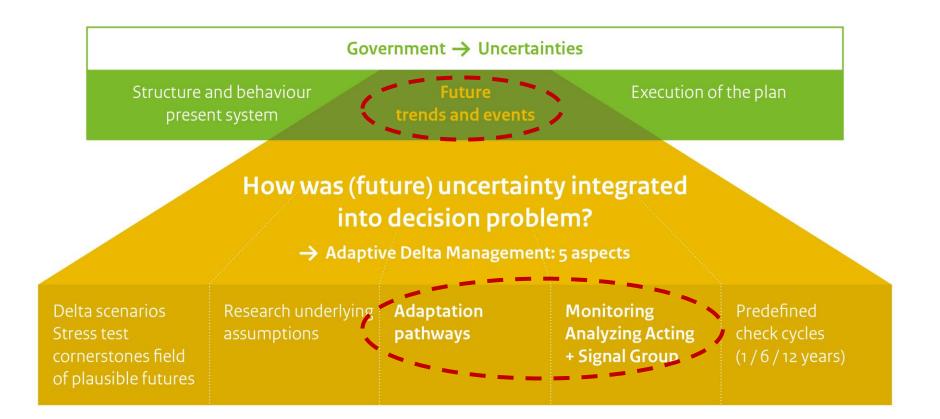
Sober, alert,

prepared



→ Programming

Bloemen et al. DMDU-5



Bloemen et al. DMDU-5

Adaptation pathways

Monitoring Analyzing Acting + Signal Group

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Maintaining LT options open requires continuous commitment and legislative enforcement

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Tipping points are often gradual; may require precise goals

Adaptive approach: new signals do not frustrate decision-making

