

Kennis voor Klimaat
Knowledge for Climate



Goals and Approaches

By: Pier Vellinga

Lemstra motion in the Senate 2005

“Is Climate Change sufficiently taken into account in our planning of investments in infrastructure and land use?”

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National Programme: Knowledge for Climate



Goal:

“How can we adjust/modify our planning of investments in infrastructure and land use, in order to make them more robust in view of a changing climate”

“Climate Proofing The Netherlands”

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Knowledge for Climate: Founding partners



- KNMI: Royal Netherlands Meteorological Institute
- Wageningen University and Research Centre
- VU University Amsterdam
- Utrecht University
- TNO
- Deltares

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Knowledge for Climate: Operating in direct interaction with



The four relevant (spatial) Ministries:

1. Housing, Spatial Planning and the Environment
 2. Transport, Public Works and Water Management
 3. Agriculture, Nature and Food Quality
 4. Economic Affairs
- The 12 Provinces (IPO)
 - The 26 Water Boards (directly and through UvW)
 - The Cities and Counties (directly and through VNG)
 - The private sector through ONRI, the National Association of Engineering and Consultancy Firms

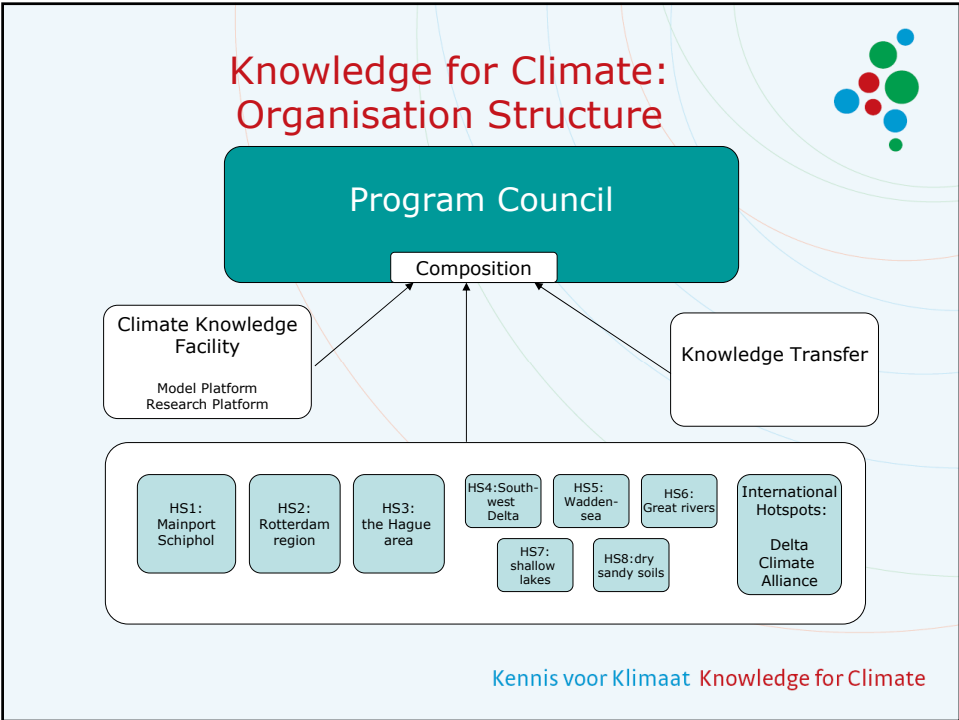
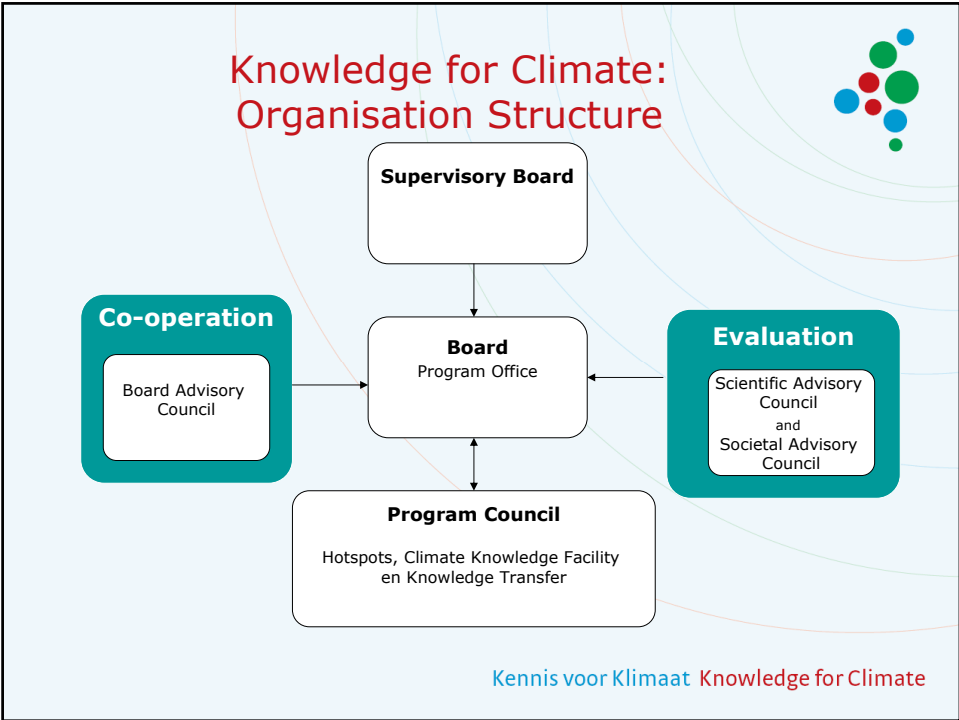
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Knowledge for Climate: running from 2008 until 2013



- Initial Budget: 50 million Euro
 - Co-financing by:
 - Provinces
 - City councils
 - Water boards
 - Private sectors
- \ 50 million Euro
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Knowledge for Climate: Approach



- Development of options for adaptation through co-makship by scientists and practioners
- Combining scientific knowledge with practical experience and local knowledge
- Local situations and interventions are key: “regional hotspots”

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Knowledge for Climate: Three pillars



- Hotspots (8 National plus a number of International Hotspots: Delta Climate Alliance)
- Climate Knowledge Facility (scenario's, modelling and research)
- Knowledge Transfer Facility

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Knowledge for Climate: Hotspot Areas



Climate proofing the Netherlands, hotspots



- Lakes, meadows and peat
- Great rivers
- Waddenzee
- Southern delta
- Dry rural areas
- Deep polders / Haaglanden
- Mainport Schiphol and Haarlemmermeer
- Rotterdam port and region

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Knowledge for Climate: Products



- An argued and illustrated strategy for adaptation and related investments in infrastructure and land use for the 8 regional hotspots
- Elements in support of a national adaptation strategy, including information, scenario's and options for instruments for governance and financing
- International network organisation for innovation in adaptation: Delta Climate Alliance

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Knowledge for Climate: Key Areas



- Water systems:
 - Flood protection and drought resilience
 - Recreation, drinking water and health
 - Salt intrusion, drainage systems and fresh water management
- Agriculture and Nature Management, including institutional aspects
- Urban areas (heat stress, urban quality, human health)

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Knowledge for Climate: Three phases



- Phase 1: Driven primarily by hotspots needs (20% of the budget)
- Phase 2: Driven by the need to develop innovative approaches in adaptation, addressing 10 to 15 (sub-) 'systems' (60% of the budget)
- Phase 3: Development of a comprehensive set of options for adaptation, including regional hotspots and national policies (20% of the budget)

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Knowledge for Climate: Afternoon Programme



14.00 - 15.30 Workshops:

- Landelijk gebied
- Stedelijk gebied: De klimaatrobuuste stad; Hoe maken we onze steden klimaat robuust?
- Klimaat Kennis Faciliteit: Het IJsselmeer moet 1.5 meter hoger! Kan de Klimaat Kennis Faciliteit mij helpen?
- Beleid en instrumentarium: Hoe rijk, provincies en gemeenten klimaatadaptatie verankeren
- Afwegingskader: Lagerhuisdebat
- Water van Maasvlakte tot Gorkum: De zilte uitdaging voor de Rotterdamse regio
- Strategieën voor een klimaatbestendig(er) Nederland: Omgaan met onzekerheden
- 'Zeepkistensessie', waarin de hotspots van Kennis voor Klimaat en Klimaat voor Ruimte zich presenteren

15.30 - 16.00 Pauze

16.00 Prof.dr. Cees Veerman, Voorzitter Deltacommissie

16.30 Paneldebat

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