

The Wadden Academy

The Wadden Academy

- 30 July 2008: founded in Amsterdam
- 1 and 2 December 2008: inauguration symposium in Leeuwarden
- Institute of the Royal Netherlands Academy of Arts and Sciences (KNAW)

Tasks

- **to identify gaps in cross-domain knowledge** in order to assist in the sustainable development of the Wadden Sea Region and the formulation of research questions relevant to the region;
- **to promote a coherent research programme** at regional, national and international level and;
- **to promote information supply and knowledge exchange** within and between research institutes, government, industry and social organisations.

Ambition

...to develop the Wadden Sea Region into an incubator for widely applicable integrated knowledge of sustainable development of a coastal area, in which natural values are a key element and form the foundations of the local and regional economy.

The region is a meeting place for scientists from the Netherlands and elsewhere, administrators, policymakers and management agencies. Together, they develop sustainable and innovative solutions based on interdisciplinary knowledge.

By 2020, the trilateral Wadden Sea Region will be the best monitored and best understood coastal system in the world.

Board



Hessel Speelman,
Jouke van Dijk,
Jos Bazelmans,
Peter Herman and
Pavel Kabat.

Research themes

Geoscience



Ecology



Society and cultural history



Social and spatial economics



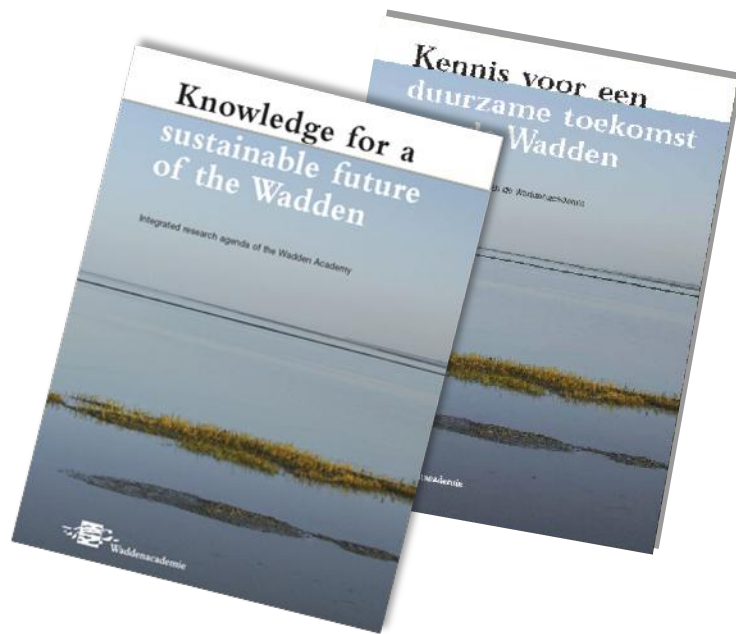
Climate and water



The integrated research agenda

‘Knowledge for a sustainable future of the Wadden’

Research agenda for the Dutch Wadden Sea Region



Presentation research agenda



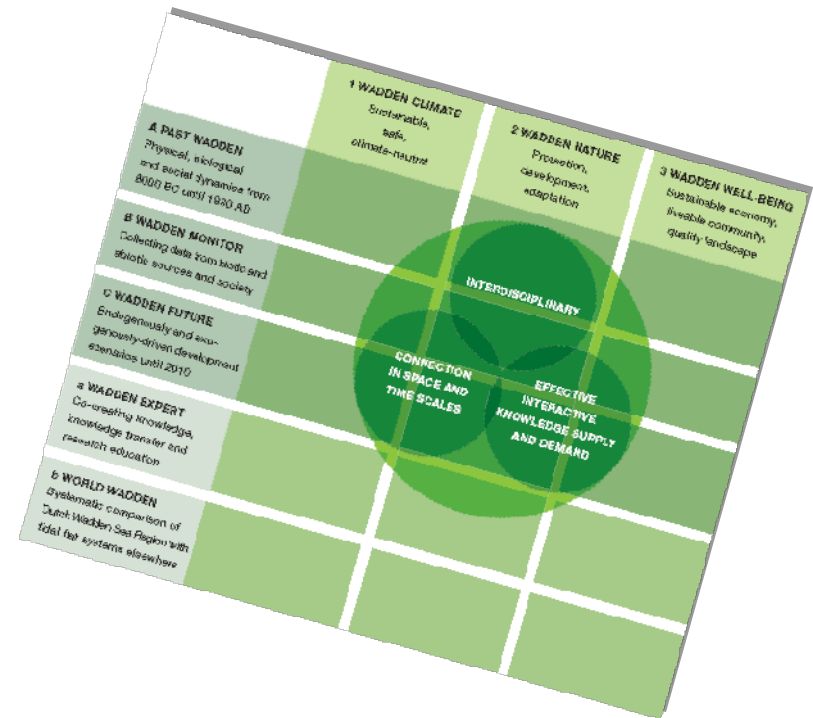
Waddentoogdag,
Delfzijl,
30 May 2009

What is integrated research?

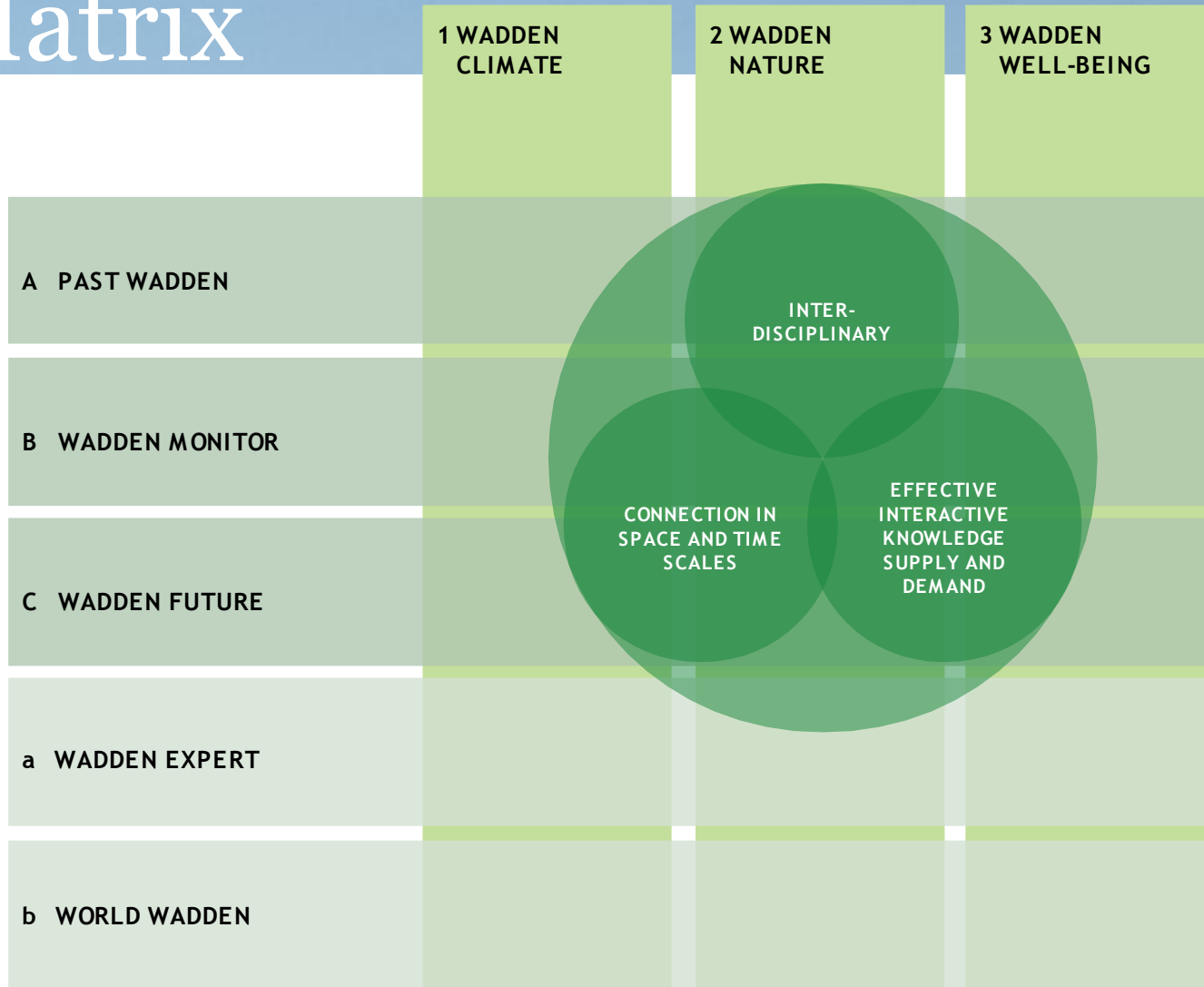
- it shows a combination of **two or more disciplines** with the emphasis on feedbacks and interactions;
- it focuses attention on the **interactions between space and time scales**;
- it focuses attention on the **accumulation of processes**, interventions and effects;
- it is based on the **co-production of knowledge** in which knowledge demands are generated, knowledge is used and generated in close interaction between scientists, practitioners and policymakers (**engaged scholarship**).

Programmes and themes

- 3 generic knowledge programmes
- 3 integrated research programmes
- 2 conditional themes



Matrix



1 WADDEN
CLIMATE

2 WADDEN
NATURE

3 WADDEN
WELL-BEING

A PAST WADDEN



Aim: reconstruction of the climatological, geological, ecological, economic and socio-cultural past of the Wadden Sea Region.

B WADDEN MONITOR

C WADDEN FUTURE

a WADDEN EXPERT

Period: 8200 BC (end Pleistocene) up to 1932 (construction IJsselmeer Dam).

b WORLD WADDEN

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Aim: monitoring of the natural and social dynamics of the wadden system. Focus on the systematic collection and supply of quantitative data.

Period: 1932-2015 (end of various monitoring programmes).

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Aim: understand and predict the development of the wadden system. Develop conceivable scenarios, based on multiple trend analyses and quantitative process models.

Period: 2010-2100.

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Aims:

- co-creation of knowledge
- knowledge transfer
- training a new generation of wadden experts

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Aims:

- to integrate knowledge of the Dutch, German and Danish parts of the Wadden Sea Region;
- to make a systematic comparison of the Wadden Sea Region with tidal flat systems elsewhere.

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Safety: how can the safety of the Wadden Sea Region and its population be guaranteed in the long-term, also taking into account the possible harmful effects of climate change?

Climate-neutral: how can a sustainable energy balance for the region be realised?

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Protection: how can the natural values be safeguarded?

Development: which regional developments are possible within the constraints?

Adaptation: how will the natural environment adapt to climate change, the introduction of invasive species, changes in the global economy?

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Sustainable economy: how can work and income for the residents be guaranteed in a sustainable manner?

Liveable community and quality landscape: how can social cohesion, a recognisable man-made landscape and living heritage be safeguarded?

Phases of implementation

Phase 1. Communication and feedback

During this phase, immediately after 30 May 2009:

- the dissemination of the research agenda is key;
- a wide-ranging consultation will follow;
- a conference was organised on 1 and 2 July 2009 to programme research;
- knowledge groups will be established in the departments involved.

Phases of implementation

Phase 2. Drawing up implementation plans

- formation of a multidisciplinary team around each research programme
- each team will be responsible for developing the programme or project in an implementation plan
 - 7 October 2009: workshop in Rotterdam on progress of the implementation plans
 - 9 and 10 December 2009: Presentation of the implementation plans on the third symposium of the Wadden Academy

Phases of implementation

Phase 3. Mobilising financial resources

Several financing options are available:

- funds with a special relationship with the Wadden Sea Region (Wadden Fund, NWO-ZKO);
- programme financing by ministries and research institutes;
- involvement of private market players, including the major energy companies and the financial sector.

Phases of implementation

Phase 4. Internationalisation

- actively seek options for getting the research programmes accepted and funded as a trilateral arrangement
- investigate opportunities in the EU framework programmes and in EU Interreg programmes

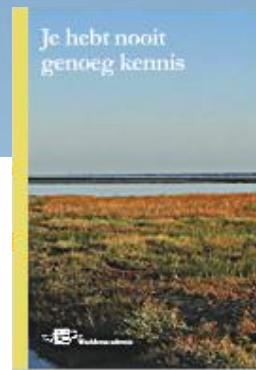
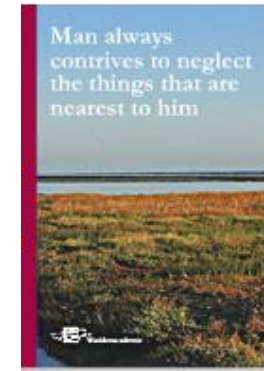
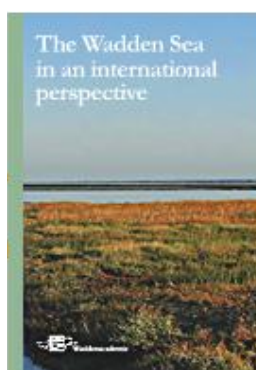
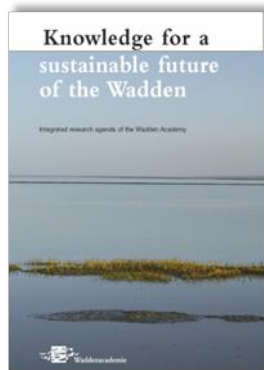
Phases of implementation

Phase 5. Evaluation and summary

Early 2014 an independent audit and progress evaluation will be organised.

The Wadden Academy and its partners will summarise the objectives of the research agenda which have been achieved.

Publications



Thank you for your attention! Questions?

For more information and pdf's of all publications, please visit:
www.waddenacademie.knaw.nl

