

# An integrated approach to emerging challenges in a World Heritage site

13<sup>th</sup> International Scientific Wadden Sea Symposium (ISWSS)  
Wednesday 21 - Friday 23 November 2012, WTC Leeuwarden, The Netherlands

Organizers:



Programme (version 16 November 2012, updates will be published on [www.waddenacademie.knaw.nl](http://www.waddenacademie.knaw.nl)):

## Wednesday 21 November

09.00 – 10.00 Welcome with coffee and tea

10.00 – 10.05 Prof. Jouke van Dijk, chairman Waddenacademie: welcome and outline programme

10.05 – 10.15 Representative of the Dutch government: official welcome

10.15 – 10.25 Prof. Victor de Jonge, University of Hull: welcome on behalf of ECSA

10.25 – 10.35 Peter Ilsøe, chairman Wadden Sea Board: current status trilateral cooperation; importance of the ISWSS meetings

10.35 – 10.50 Jens Enemark, CWSS: Wadden Sea World Heritage: the role of science

10.50 – 11.15 Coffee/tea break

11.15 – 11.50 **Keynote** Prof. Karsten Reise, AWI Wadden Sea Station Sylt: Turning tides: a natural history of the Wadden Sea

11.50 – 12.25 **Keynote** Prof. Chul-hwan Koh, Seoul National University: The Getbol: the Korean Wadden Sea – status, development pressures and conservation efforts

12.25 – 13.00 **Keynote** Dr. Fergus Molloy, Great Barrier Reef Marine Park Authority: Integrating science with management of the Great Barrier Reef Marine Park/World heritage Property

13.00 – 14.00 Lunch

## **Theme 1 Climate and Water**

- 14.00 – 14.25 Jaap Jepma: warm-up for theme 1
- 14.25 – 15.05 Recent policy relevant progress in scientific knowledge about regional climate risks and regional climate service – Prof. Hans von Storch, Institute for Coastal Research of the Helmholtz-Zentrum Geesthacht
- 15.05 – 15.25 Adaptation to climate change in the Wadden Sea. The Dutch approach – Prof. Pier Vellinga, National research program Knowledge for Climate & Wageningen University
- 15.25 – 15.55 Coffee / tea break
- 15.55 – 16.15 Modeling the turbulent Wadden Sea; what's needed most? – Prof. Hans Burchard, Leibniz Institute for Baltic Sea Research Warnemünde
- 16.15 – 16.35 Regional sea level rise and the Wadden Sea – Dr. Mark van Koningsveld, Delft University of Technology
- 16.35 – 17.05 General discussion theme 1 with the audience
- 17.05 – 17.10 Jaap Jepma: conclusions theme Climate and Water
- 17.10 – 18.30 Reception on the 11<sup>th</sup> floor of the WTC
- 18.30 – 20.30 Dinner on the 11<sup>th</sup> floor of the WTC with performance by the Frisian singer/songwriter Nynke Laverman and Sytze Pruikma

## **Thursday 22 November**

08.30 – 09.00 Coffee and tea

## **Theme 2 Biodiversity**

- 09.00 – 09.25 Jaap Jepma: warm-up for theme 2
- 09.25 – 10.05 Linking biodiversity change to ecosystem functions – from general concepts to applied issues – Prof. Helmut Hillebrand, Institute for Chemistry and Biology of the Marine Environment, Oldenburg-Wilhelmshaven
- 10.05 – 10.25 Under what sort of conditions are food webs stable or can they be stabilized? A foresight for the Wadden Sea – Dr. Harald Asmus, AWI Wadden Sea Station Sylt
- 10.25 – 10.55 Coffee/ tea break

10.55 – 11.15 Restoring ecosystem engineering species in the intertidal – the case of mussel beds in the Netherlands – Prof. Han Olf, University of Groningen

11.15 – 11.35 Wadden Sea Flyway Initiative – Marc van Roomen, SOVON, and Tim Dodman, Wetlands International

11.35 – 12.05 General discussion theme 2 with the audience

12.05 – 12.10 Jaap Jepma: conclusions theme Biodiversity

12.10 – 13.20 Lunch

### ***Theme 3      Science for Management and Policy***

13.20 – 13.45 Jaap Jepma: warm-up for theme 3

13.45 – 14.25 The science policy interface: challenges and opportunities for international Wadden Sea research and governance – Dr. Esther Turnhout, Wageningen University

14.25 – 14.45 Wadden Sea governance; Lessons from OURCOAST – Dr. Rob Steijn, Arcadis

14.45 – 15.15 Coffee/tea break

15.15 – 15.35 Long term challenges for tidal estuaries – EBDa.D. Heinz Glindemann, chairman advisory board TIDE

15.35 – 15.55 Sensing marine life and livelihoods at the seashore – Towards an integrated monitoring network and data portal for the Wadden Sea, a coastal UNESCO World Heritage site – Dr. Katja Philippart, NIOZ

15.55 – 16.15 Mussel beds in the Dutch Wadden Sea: natural dynamics, fishery impacts and restoration options – Dr. Aad Smaal, IMARES

16.15 – 16.45 General discussion theme 3 with the audience

16.45 – 16.50 Jaap Jepma: conclusions theme Science for Management and Policy

16.50 – 18.00 Drinks and poster exhibition on the 11<sup>th</sup> floor

18.00 – 20.00 Dinner on the 11<sup>th</sup> floor

## Friday 23 November

08.30 – 09.00 Coffee and tea

### **Theme 4      *Sustainability and Ecosystem Services***

09.00 – 09.25 Jaap Jepma: warm-up for theme 4

09.25 – 10.05 Fisheries management in the Wadden Sea from an economic perspective – Sustainable use of stocks and the preservation of ecosystem services – Dr. Ralf Döring, VTI Hamburg

10.05 – 10.25 On the value and future of the Frisian historical landscape – Prof. Gilles de Langen, University of Groningen/Province of Fryslân

10.25 – 10.55 Coffee/tea break

10.55 – 11.15 Harbour developments and its effects on ecological functioning and structures – Prof. Victor de Jonge, University of Hull

11.15 – 11.35 Towards sustainable tourism in the Wadden Sea Region – Drs. Albert Postma, Stenden University

11.35 – 12.05 General discussion theme 4 with the audience

12.05 – 12.10 Jaap Jepma: conclusions of the theme Sustainability and Ecosystem Services

12.10 – 12.20 Ir. Rindert Dankert and Dr. Hessel Speelman: announcement of the Wadden Academy awards for the best Wadden-related Bachelor's thesis (College level) and Master's thesis (University level)

12.20 – 12.30 Prof. Jouke van Dijk: concluding remarks

12.30 – 13.30 Lunch and end of symposium

13.30 – 20.30 (optional) **Excursion to the Frisian historical landscape**