

# Challenges in Marine Sciences 2005-2010

## Lunch

- 13:30 – 14:00** The dynamic continental margin: geo-biosphere coupling and exchange processes  
Tj. van Weering et al. (*Royal NIOZ/VU*), G. de Lange (*UU*), J. Sinninghe Damsté (*Royal NIOZ/UU*), S. Troelstra (*VU*), & co-workers
- 14:00 – 14:30** Perspectives in coastal research: the link between biodiversity and ecosystem functioning  
C. Heip (*NIOO-CEME/RUG*), P. Herman (*NIOO-CEME*), J. Olsen (*RUG*), W. Wolf (*RUG*) & J. van der Meer (*Royal NIOZ*)
- 14:30 – 15:00** Large scale ecological processes in intertidal flat systems and near shore waters  
Th. Piersma (*Royal NIOZ/RUG*), J. van der Meer (*Royal NIOZ*), C. Heip (*NIOO-CEME/RUG*), P. Herman (*NIOO-CEME*) & J. Olsen (*RUG*)
- 15:00 – 15:30** Our shorelines and coastal wetlands: research challenges for the near future  
P. Hoekstra (*UU*), M. Stive (*TUD*), S. Aarninkhof (*TUD*), S. Hulscher (*TU*), H. Ridderinkhof (*Royal NIOZ*) & P. Herman (*NIOO-CEME*)

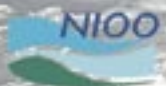
## Tea break and video clip

- 16:00 – 16:30** Discussion: towards a national marine sciences research plan
- 16:30 – 17:45** Drinks and snacks

**Deadline for registration 31 March by sending an email to: [alw@nwo.nl](mailto:alw@nwo.nl)**



**A National Symposium  
Tuesday 12 April, 10.00-18.00, Royal NIOZ, Texel**



## Purpose

The symposium intends to arrive at a concise view on current and planned scientific activities and, in particular, explore future high-potential, novel marine research to be initiated, or strengthened in the Netherlands. Preferably, the research should be carried out in the context of international, (Global or European) research efforts, and should further ensure the high qualitative contribution of the Netherlands to international top marine research, also in the future.

The symposium is expected to serve as a stepping stone to establish a nation-wide, focused fundamental research programme for the marine research, in which challenging problems are tackled through the joint efforts of scientists from research institutions and universities, covering complementary fields of expertise. NWO/ALW intends to publish the outline for such a national programme in a Policy Plan for Marine Sciences by this summer.

### Organizers:

R. Schorno (*NWO-ALW*)  
J. Meulenkamp (*Royal NIOZ*)  
C. Heip (*NIOO-CEME/RUG*)

**Travel information** can be found at: [www.nioz.nl](http://www.nioz.nl), general, how to reach us, visitor information

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## Programme

- 10:00 – 10:15** Arrival
- 10:15 – 10:30** Welcome and opening  
J. Meulenkamp (*scientific director Royal NIOZ*)  
F. Martens (*director NWO-ALW*)
- 10:30 – 11:00** Physical Oceanography: quantifying and understanding ocean variability  
H. Ridderinkhof (*Royal NIOZ*), G. Burgers (*KNMI*) & W. de Ruijter (*UU-IMAU*)
- 11:00 – 11:30** Future of seagoing research in The Netherlands: Open Ocean Processes  
G. Herndl (*Royal NIOZ/RUG*), H. de Baar (*Royal NIOZ/RUG*),  
A. Buma (*RUG*), G. de Lange (*UU*) & J. Middelburg (*NIOO-CEME/UU*)
- 11:30 – 12:00** Marine biogeochemistry: links between bio- and geosphere, between land and ocean and between the present and the past  
J. Middelburg (*NIOO-CEME/UU*), J. Sinninghe Damsté (*Royal NIOZ/ UU*), H. de Baar (*Royal NIOZ/RUG*), G. de Lange (*UU*), E. Epping (*Royal NIOZ*), C. Heip (*NIOO-CEME/RUG*) & Ph. van Cappellen (*UU*)
- 12:00 – 12:30** Challenges in paleoceanography  
D. Kroon (*VU*), H. Brinkhuis (*UU, Biology*), J. Sinninghe Damsté (*Royal NIOZ/ UU*), G. van der Zwaan (*UU, Geosciences*), Tj. van Weering (*Royal NIOZ/VU*), & co-workers