

# PUBLICATIONS AND PRESENTATIONS



## Dissertations

- Amaro, T.P.F. The benthic shift of the Frisian Front (Southern North Sea) ecosystem – Possible mechanisms. Wageningen University, 201 pp.
- Arrieta, M.J. Diversity and activity in marine prokaryotes. University of Groningen, 99 pp. (cum laude).
- Bos, O.G. Recruitment variation of *Macoma balthica* (L.): is there a role for larval food limitation? Groningen University, 160 pp.
- Bozec, Y. Process studies of the biological pump of CO<sub>2</sub> in the North Sea and Southern Ocean. Groningen University, 215 pp.
- Hosegood, P.J. Observations of the impact of flow-topography interactions on mixing processes within a confined basin: the Faeroe-Shetland Channel. Utrecht University, 213 pp (cum laude).
- Loncaric, N. Planktic foraminiferal response to changing SE Atlantic oceanography. Free University Amsterdam, 184 pp.
- Rijkenberg, M.J.A. Photochemistry and organic complexation of iron: Interactions in the Southern Ocean. University of Groningen, 222 pp.
- Scheffers, S.R. Benthic - pelagic coupling in coral reefs: Interaction between framework cavities and reef water. University of Amsterdam, 116 pp.
- Terra, G.M. Nonlinear tidal resonance. University of Amsterdam, 143 pp.
- van Veldhoven, A. Observations of the evolution of Agulhas rings. Utrecht University, 157pp.

## Refereed papers in scientific journals

- Agogue, H., E. Casamayor, M. Bourrain, I. Obernosterer, F. Joux, G.J. Herndl & P. Lebaron. A survey on bacteria inhabiting the sea surface microlayer of coastal ecosystems. *FEMS Microb. Ecol.* 54: 269-280.
- Amaro, T., G. Duineveld & P. Tyler. Does *Mya truncata* reproduce at its southern distribution limit? Preliminary information. *J. Shellfish. Res.* 24: 24-25.
- Bak, R.P.M, G. Nieuwland & E.H. Meesters. Coral reef crisis in deep and shallow reefs: 30 years of constancy and change in reefs of Curaçao and Bonaire. *Coral Reefs* 24: 475-480.
- Bakker D.C.E, Y. Bozec, P.D. Nightingale, L. Goldson, M.-J. Messias, H.J.W. de Baar, M. Liddicoat, I. Skjelvan, V. Strass & A.J. Watson. Iron and mixing affect biological carbon uptake in SOIREE and EisenEx, two Southern Ocean iron fertilisation experiments. *Deep Sea Research Part I* 52: 1001-1019.
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- Bartkow, M.E., K. Booij, K.E. Kennedy, J.F. Müller & D.W. Hawker. Passive sampling theory for atmospheric semivolatile organic compounds. *Chemosphere* 60: 170-176.
- Battley, P. F. & T. Piersma. Body composition and flight ranges of bar-tailed godwits (*Limosa lapponica baueri*) from New Zealand. *Auk* 122: 922-937.
- Battley, P. F., D.I. Rogers, J.A. van Gils, T. Piersma, C.J. Hassell, A. Boyle & Y. Hong-Yan. How do red knots *Calidris canutus* leave Northwest Australia in May and reach the breeding grounds in June? Predictions of stopover times, fuelling rates and prey quality in the Yellow Sea. *J. Avian Biol.* 36: 494-500.
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- Beukema, J.J. & R. Dekker. Decline of recruitment success in cockles and other bivalves in the Wadden Sea: possible role of climate change, predation on postlarvae and fisheries. *Mar. Ecol. Prog. Ser.* 287: 149-167.
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- Boom, A., J.S. Sinninghe Damsté & J.W. de Leeuw. Cutan, a common aliphatic biopolymer in cuticles of drought-adapted plants. *Org. Geochem.* 36: 595-601.
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- Cadée, G.C. Gastropod shells cracked by hooded crows by dropping. *Basteria* 69: 1-5.
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- Camphuysen, C.J., J. Chardine, M. Frederiksen & M. Nunes. Review of the impacts of recent major oil spills on seabirds. In: Anonymous (ed.) Report of the Working Group on Seabird Ecology, Oceanography Committee, ICES CM 2005/C:05, Copenhagen, Denmark.
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- Lavaleye, M., G. Pearson, T. Piersma & P. de Goeij. Atlas of the macrozoobenthic fauna. In: Piersma, T., G.B. Pearson, R. Hickey & M. Lavaleye (eds.): NIOZ-report 2005-2: 73-149.
- Lavaleye, M.S.S. & G.C.A. Duineveld. Scientific report of the Dutch research during the Antarctica expedition with the RV. Polarstern to the Weddelsea from 17 Nov. 2003 to 18 Jan 2004 for ALW/NWO. Research on the quantity and identity of pelagic larvae and juveniles of benthic invertebrates, and the near-bottom abiotic environment in Antarctica (Weddell Sea). 2 pp

Ten Hallers-Tjabbes, C.C. Ecotoxicological impact of contamination on the ecosystem of the Ems-Dollard estuary. Report to RIKZ, Rijkswaterstaat, December.

van Weering, T.C.E., H.C. de Stigter & WP 2 partners. Comparative data sets (currents, SPM, sediment fluxes) on Mediterranean margins. (Deliverable 19) EU Strataform Report

van Weering, T.C.E., H.C. de Stigter & WP 2 partners. Model of forcing conditions governing sediment transport along transects from the shallow shelf via canyons to the deep sea. (Deliverable 20) EU Strataform Report

van Weering, T.C.E., H.C. de Stigter & WP 2 partners. Synthesis of Recent and Late Cenozoic sediment transport pathways and fluxes from the shallow shelf via canyons to the deep sea. (Deliverable 21) EU Strataform Report

## Public Outreach

Together with Alterra-Texel and EcoMare, Royal NIOZ also maintains the educational web-site 'ZeeinZicht' (Sea in Sight) at [www.zeeinzicht.nl](http://www.zeeinzicht.nl). This contains a wide variety of information about the marine environment with emphasis on the North Sea and the Wadden Sea. "Zee in zicht" is directly connected with the digital encyclopaedia 'De Vleet' (The Skate), edited by EcoMare.



On 13 and 14 October, NIOZ and Alterra-Texel jointly organized the 'Noordzeedagen'. This 2 day symposium is organized every year to enhance the exchange of information and opinions among scientists, policy makers, fishery, industry and non-governmental organizations; 150 people attended the successful symposium on Texel. An overview of the presentations is given in the central pages of this annual report.

NIOZ scientists Hendrik van Aken and Katja Philippart gave lectures on indications for climate change in the 'Marsdiep' tidal inlet between Texel and Den Helder during the 'Wetenweek' on 24 October. The 'Wetenweek' is especially organised to bring science closer to a general audience living in the neighbourhood of universities and scientific institutions.

Together with team-members Norbert Dankers of Alterra-Texel and Sarah Kraak of the Netherlands Institute for Fisheries Research (RIVO) in IJmuiden, Kees Veth of NIOZ formed a marine dream team, which succeeded to win the national popular science event the 'Nationale Wetenschapsquiz' which was broadcasted on the Dutch television on the evening of 24 December.



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In 2005, articles and opinions of NIOZ scientists were mentioned 2 times in international newspapers, 19 times in the national newspapers 'De Volkskrant', 'NRC', 'Algemeen Dagblad' and 'De Telegraaf', 48 times in regional newspapers, mostly the 'Noord Hollands Dagblad' and 'De Texelse Courant', and 16 times in professional news magazines, such as 'Bionieuws', the news magazine of the Netherlands Institute for Biology (NIBI).

NIOZ news items on important publications, PhD thesis defences, prizes and other important news items also become rapidly available in the 'latest news' section on our web-site at [www.nioz.nl](http://www.nioz.nl).

## Posters

Agis, M., C. Maier & M. Weinbauer. DNA extraction and genetic fingerprinting of prokaryotes on deep water corals and associated invertebrates. Third International Symposium on Deep-Sea Corals, Miami, Florida, USA, 28 November-2 December.

Amaro, T., G. Duineveld, E. van Nes & M. Scheffer. Consequences of shifts in the macrofauna of the Frisian Front (S. North Sea). ASLO Meeting, Santiago de Compostela, Spain, 19-24 June.

Andersen, L.T., J.O. Leth, A. Kuijpers, P. Terrinha & H.C. de Stigter. Sedimentation and structures of the Nazaré canyon on the Portuguese Atlantic Margin. Joint Eurostrataform / Promess1 Annual Meeting, Salamanca, Spain, 24-27 October.

Berges J.A. & C.P.D. Brussaard. Detection of programmed cell death induced by viruses in marine phytoplankton. The 4<sup>th</sup> Algal Virus Workshop, Amsterdam, 17-21 April.

Boere, A., B. Abbas, J.S. Sinninghe Damsté & M.J.L. Coolen. Fossil DNA as a species-specific recorder of alkenone biosynthesizing haptophytes: Implications for UK<sub>37</sub>-based palaeothermometry (P). 22<sup>nd</sup> Intern. Meeting on Organic Geochemistry, Seville, Spain, 12-16 September.

- Boumann, H.A., E.C. Hopmans, M. Strous, J.S. Sinninghe Damsté & S. Schouten. Biophysical properties of newly-discovered membrane lipids: Insights into the functioning of cell membranes of marine micro organisms. Annual Dutch Meeting on Molecular and Cellular Biophysics, Lunteren, 10-11 October.
- Brandsma, J., A.M. Langezaal, M. Schmid, S. Schouten, E.C. Hopmans, G.J. van der Zwaan, M.S.M. Jetten & J.S. Sinninghe Damsté. The influence of bacteria on microhabitat selection by benthic foraminifera. 22<sup>nd</sup> Intern. Meeting on Organic Geochemistry, Seville, Spain, 12-16 September.
- Brandsma, J., A.M. Langezaal, M. Schmid, S. Schouten, E.C. Hopmans, G.J. van der Zwaan, M.S.M. Jetten & J.S. Sinninghe Damsté. The interaction between benthic foraminifera and nitrate reducing bacteria. SPOT-ON, Warnemünde, Germany, 26 June – 1 July.
- Cadée, G.C. Is the increase in tropical drift seeds found on the Dutch coast related to Global Warming? Noordzeedagen, Texel, 13-14 October and Annual Meeting Palaeontological Association, Oxford, UK, 18-21 December.
- de Baar, H.J.W. & co-authors. Synthesis of Iron Fertilizations: from the Iron Age in the Age of Enlightenment. Poster presented at symposium *Phaeocystis*, major Link in the Biogeochemical Cycling of Climate-relevant Elements (SCOR Working Group 120), Haren, 30 August - 3 September.
- de Bruin, T. F. The SCAR/COMNAP Joint Committee on Antarctic Data Management (JCADM). International Marine Data and Information Systems Conference, Brest, France, 31 May – 3 June.
- de Bruin, T. F. Metadata. Noordzeedagen , 13-14 October 2005.
- de Bruin, T. F. (NIOZ), W.T.B. van der Lee (RIKZ). The Netherlands National Oceanographic Data Committee. Noordzeedagen 2005, 13-14 October.
- de Bruin, T. F. Toegang tot gegevens van de Noordzee. Noordzeedagen 2005, 13-14 October 2005.
- de Haas, H., F. Mienis, T.C.E. van Weering, H.C. de Stigter & T.O. Richter. Morphology and sedimentology of (clustered) cold water coral mounds at the south Rockall Trough margins, NE Atlantic Ocean. European Geosciences Union, 2<sup>nd</sup> General Assembly, Vienna, Austria, 24 - 29 April.
- de Koster, R.X., R. Gieles, W. Boer & T.F. de Bruin. COREBASE – The database of sediment samples and results at the Royal Netherlands Institute for Sea Research. International Marine Data and Information Systems Conference, Brest, France, 31 May – 3 June.
- de Leeuw, J.W. International Census of Marine Microbes; Unveiling the ocean's hidden majority. 2<sup>nd</sup> All Program meeting Census of Marine Life, Frankfurt, Germany, 3 November.
- Duineveld, G.C.A., M. Lavaleye, M. Bergman, F. Mienis, T. van Weering, H. de Stigter & H. de Haas. Long term observations on abiotic and biotic conditions in the SW Rockall coral communities. 3rd International Symposium on Deep-Sea Corals, Miami, USA, 28 November.
- Dumitrescu, M., S.C. Brassell, S. Schouten, E.C. Hopmans & J.S. Sinninghe Damsté. Cooling cycles in the tropics during the Early Cretaceous greenhouse. AGU meeting, San Francisco, USA, 5-9 December.
- Esparza, M., J.O. Grimalt, T.O. Richter & T.C.E. van Weering. The Holocene alkenone SST record from Feni Drift (NE Atlantic ocean) at 18 yrs resolution. European Geosciences Union, 2<sup>nd</sup> General Assembly, Vienna, Austria, 24-29 April.
- Gontharet, S., C. Pierre, M.M. Blanc-Valleron, J.M. Rouchy, Y. Fouquet, G. Bayon, A. Stadnitskaia, J.S. Sinninghe Damsté, I. Bouloubassi, J.P. Foucher, J. Masle, O. Boudouma and the NAUTINIL scientific party. Methane-related carbonates from mud volcanoes and pockmarks of the Nile deep-sea fan. European Geosciences Union, Vienna, Austria, 24-29 April.
- Gorski, K., T. Compton & T. Piersma. Physiological adaptation of bivalves to a tropical and temperate climate. Benelux Congress, Wageningen, the Netherlands, November.

- Harlander, U. & L.R.M. Maas. On zonally symmetric equatorial waves trapped in the meridional-depth plane. EGU General Assembly, Vienna, Austria, 24-29 April.
- Herfort, L., C. Wuchter, J. Boon, S. Schouten & J.S. Sinninghe Damsté. Ecology of marine Archaea in the North Sea. International Union of Microbiological Societies. San Francisco, USA, 23-28 July.
- Hopmans, E.C., M.V.M. Kienhuis, J.E. Rattray, A. Jaeschke, S. Schouten & J.S. Sinninghe Damsté. Analysis of ladderane lipids in cultures, water samples, and sediments using HPLC/MS/MS. 22<sup>nd</sup> Intern. Meeting on Organic Geochemistry, Seville, Spain, 12-16 September.
- Huckins, J.N., K. Booi, W.L. Cranor, D.A. Alvarez, R.W. Gale, M.E. Bartkow, G.L. Robertson, R.C. Clark & R.E. Stewart. Fundamentals of the use of performance reference compounds (PRCs) in passive samplers. SETAC North America 26th Annual Meeting, Baltimore, USA, 13-17 November.
- Jaeschke, A., E.C. Hopmans, S.G. Wakeham, S. Schouten & J.S. Sinninghe Damsté. The sedimentary fate of ladderane lipids, characteristic membrane lipids of bacteria performing anaerobic ammonium oxidation. 22<sup>nd</sup> Intern. Meeting on Organic Geochemistry, Seville, Spain, 12-16 September.
- Koho, K.A., T.J. Kouwenhoven, G.J. van der Zwaan, H.C. de Stigter & T.C.E. van Weering. Recent (Rose Bengal stained) benthic foraminifera from Portuguese margin canyons. European Geosciences Union, 2<sup>nd</sup> General Assembly, Vienna, Austria, 24-29 April.
- Koho, K.A., T.J. Kouwenhoven, G.J. van der Zwaan, H.C. de Stigter & T.C.E. van Weering. Benthic foraminiferal ecology of Atlantic margin canyons. Netherlands Research School of Sedimentary Geology, 12<sup>th</sup> Annual Symposium, Amsterdam, 30 November.
- Kuipers, B.R. & G.N. van Noort. Bacterial bioassays confirm: recent small spring phytoplankton blooms in Dutch Coastal Water are phosphate-limited. Noordzeedagen, NIOZ, 13-14 October.
- Maier, C. & J. Pätzold. Slope of isochronic skeletal  $\delta^{13}\text{C}/\delta^{18}\text{O}$  of zooxanthellate corals as potential proxy for water depth and sea level change. EGU, 2nd General Assembly, Vienna, Austria, 24-29 April.
- Meyers, P.A. & A. Forster. Origin and accumulation of organic matter in Albian to Santonian black shales on the Demerara Rise. 22<sup>nd</sup> Intern. Meeting on Organic Geochemistry, Seville, Spain, 12-16 September.
- Mienis, F., T.C.E. van Weering, H.C. de Stigter, H. de Haas & T.O. Richter. Near bed hydrodynamic conditions of carbonate mounds in the Northeast Atlantic Ocean. European Geosciences Union, 2<sup>nd</sup> General Assembly, Vienna, Austria, 24 - 29 April.
- Parada, V., E. Sintés, M. Parada, V., E. Sintés, M.G. Weinbauer & G.J. Herndl. Virioplankton dynamics in the surface microlayer in an anticyclonic eddy of the northwestern Mediterranean Sea. ASLO meeting, Santiago de Compostela, Spain, 20-24 June.
- Parada, V. & G.J. Herndl. Dynamics of newly produced virioplankton in the coastal North Sea. 9<sup>th</sup> Symposium on Aquatic Microbial Ecology, Helsinki, Finland, 21-25 August.
- Philippart, C.J.M. Responsive Mode Project "Pan-European gradients in propagation and settlement events". Marbef Annual meeting, Porto, Portugal, March.
- Rampen, S.W., S. Schouten, B. Abbas, F.E. Panoto, G. Muyzer, C.N. Campbell, J. Fehling & J.S. Sinninghe Damsté. The origin of 24-norcholestanes and their use as age diagnostic biomarkers. 22<sup>nd</sup> Intern. Meeting on Organic Geochemistry, Seville, Spain, 12-16 September.
- Rampen, S.W., S. Schouten, B. Abbas, K.R. Timmermans, G. Muyzer, S.G. Wakeham & J.S. Sinninghe Damsté. Sources and seasonal production of long-chain diols and mid-chain hydroxy methyl alkanolates. 22<sup>nd</sup> Intern. Meeting on Organic Geochemistry, Seville, Spain, 12-16 September.
- Rattray, J.E., E.C. Hopmans, M.V.M. Kienhuis, M.M.M. Kuypers, J.L.C.M. van de Vossenbergh, S. Schouten & J.S. Sinninghe Damsté. Selective detection of anammox lipids in environmental samples: application of a new HPLC-MS/MS method. SPOT-ON, Warnemünde, Germany, 26 June – 1 July.

- Ratray, J.E., E.C. Hopmans, M.V.M. Kienhuis, M.M.M. Kuypers, J.L.C.M. van de Vossenberg, S. Schouten & J.S. Sinninghe Damsté. Selective detection of anammox lipids in environmental samples: application of a new HPLC-MS/MS method. Gordon Research Conference on Applied and Environmental Microbiology, Connecticut College, New London, USA, 24 - 29 July.
- Rejas, M., C. Taberner; S. Schouten, M. de Baas, P. Mata, J.M. De Gibert, V. Díaz del Río & L. Somoza. Anaerobic methane oxidation and carbonate precipitation in the carbonate crusts from The Gulf of Cadiz. European Geosciences Union, Vienna, Austria, 24-29 April.
- Scheffers, A. & S.R. Scheffers. Paleo-tsunami in the Intra-Americas Sea. NSF Tsunami Deposit Workshop, Seattle, USA, 12-15 June.
- Schouten, S., A. Forster, E.C. Hopmans, T. Wagner, I. Stüsser, M. Dumitrescu, S.C. Brassell & J.S. Sinninghe Damsté. Reconstruction of sea surface temperatures during Cretaceous oceanic anoxic events using archaeal paleothermometry. AGU meeting, San Francisco, USA, 5-9 December.
- Schouten, S., J. Ossebaar, M. Kienhuis, E. Schefuß, J. Bijma & J.S. Sinninghe Damsté. Hydrogen isotope fractionation patterns of long chain alkenones. 22<sup>nd</sup> Intern. Meeting on Organic Geochemistry, Seville, Spain, 12-16 September.
- Stadnitskaia, A., J.S. Sinninghe Damsté & NAUTINIL 2003 scientific party. Biomarker evidence for aerobic and anaerobic oxidation of methane in diverse fluid venting environments in the Nile Deep-Sea Fan, Eastern Mediterranean. 22<sup>nd</sup> Intern. Meeting on Organic Geochemistry, Seville, Spain, 12-16 September.
- Stoica, E. & G.J. Herndl. Bacterioplankton community composition of the coastal Black Sea as revealed by single cell analysis (CARD-FISH). Semmering, Austria, 24-27 May.
- Terra, G. Oceancirculatie en golven in een notendop. Woudschotenconferentie, Noordwijkerhout, 16 December.
- van der Veer, H.W., K. Guindon-Tisdell, J.M. Miller & J.I.J. Witte. Latitudinal variation in the population structure of *Achirus lineatus*, a subtropical flatfish species. 6<sup>th</sup> International Symposium on Flatfish Ecology, Maizuru, Japan, 20-25 October.
- Veldhuis, M.J.W. & J.P. Boon Treatment of ballast water testing a system with a modular concept Marine Science and Technology for Environmental Sustainability, ENSUS 2005-04-19 University of Newcastle upon Tyne, Newcastle U.K. 13 – 15 April.
- Versteegh, G.J.M., J.W. de Leeuw & P. Blokker. On the macromolecular structure of algal cell walls, notably dinoflagellate walls. 22<sup>nd</sup> Intern. Meeting on Organic Geochemistry, Seville, Spain, 12-16 September.
- Wagner, T., I. Stüsser, S. Schouten, J. Sinninghe Damsté, J. Herrle & P. Hofmann. The Cretaceous oceanic anoxic event 1b as revealed by cm-scale TEX<sub>86</sub>-based SST and isotope records from the Eastern subtropical Atlantic (Mazagan Plateau off NW-Africa, DSDP 545). 22<sup>nd</sup> Intern. Meeting on Organic Geochemistry, Seville, Spain, 12-16 September.
- Weijers, J.W.H., S. Schouten, E.C. Hopmans, E. Schefuß, T. Wagner & J.S. Sinninghe Damsté. Reconstruction of terrestrial organic matter input in marine sediments off the coast of Western Africa. 22<sup>nd</sup> Intern. Meeting on Organic Geochemistry, Seville, Spain, 12-16 September.
- Weijers, J.W.H., S. Schouten, E.C. Hopmans, J.A.J. Geenevasen, O.R.P. David, J. Coleman, R.D. Pancost & J.S. Sinninghe Damsté. Membrane lipids of mesophilic anaerobic bacteria have typical archaeal traits. Annual Dutch Meeting on Molecular and Cellular Biophysics, Lunteren, 10-11 October.
- Weijers, J.W.H., S. Schouten, E.C. Hopmans, J.A.J. Geenevasen, O.R.P. David, R. Pancost, J. Coleman & J.S. Sinninghe Damsté. Anaerobic bacteria biosynthesise membrane-spanning tetraether lipids. 22<sup>nd</sup> Intern. Meeting on Organic Geochemistry, Seville, Spain, 12-16 September.

- Wilke, I., F.J.C. Peeters & G.J. Brummer. Planktic foraminiferal fluxes associated with Agulhas Rings. EGU-general assembly, Vienna, Austria, 24-29 April.
- Will, A., U. Harlander & W. Metz. Energy, Enstrophy and the Climatological Relevance of Leading Seasonal Singular Vectors. EGU General Assembly, Vienna, Austria, 24-29 April.

## Oral presentations

- Arrieta, J.M., W. Snoek, H.M. van Aken & G.J. Herndl. Coupling deep-water circulation and microbial communities of the North Atlantic. European Geophysical Union, Vienna, Austria, 24-29 April.
- Arrieta, J.M., W. Snoek, H.M. van Aken & G.J. Herndl. Linking ocean circulation and prokaryotic communities in meso- and bathypelagic layers of the North Atlantic. ASLO meeting, Santiago de Compostela, Spain, 20-24 June.
- Bak, R.P.M. Coral Reef Ecosystems (Master Course Limnology and Oceanography) Lecture series, University of Amsterdam, November.
- Bao, R., D. Bigas, J. Castelló, L. García, M. Dopico, M. Fernández Boán, A. Ramos & C. J. Camphuysen. Edad, sexo y origen de los Frailecillos Atlánticos (*Fratercula arctica*) afectados por la marea negra del Prestige en A Coruña. VI Congreso Galego de Ornitología e V Jornadas Ornitológicas Cantábricas, Lugo, Spain, 29-31 October.
- Baudoux, A.-C. & C.P.D. Brussaard. Contribution of viral induced mortality to the termination of *Phaeocystis globosa* spring bloom. American Society of Limnology and Oceanography (ASLO) Summer Meeting, Santiago de Compostela, Spain, 19-24 June.
- 104 Baudoux, A.-C. & C.P.D. Brussaard. Contribution of viral induced mortality to the termination of *Phaeocystis globosa* spring bloom. The 4<sup>th</sup> Algal Virus Workshop, Amsterdam, 17-21 April.
- Baudoux, A.-C. & C.P.D. Brussaard. Viruses as mortality agents for *Phaeocystis globosa* in the field. Final meeting SCOR *Phaeocystis* working group #120: *Phaeocystis*, major link in the biogeochemical cycling of climate-relevant elements, Groningen 30 August-3 September.
- Bergman, M.J.N. Larval ecology studies - new methods and perspectives. Workshop marine ecology - perspectives. NIOZ, 13 May.
- Bijleveld, A., E.O. Folmer & T. Piersma. All knots are equal. But some are more equal than others. International Wader Study Group Conference, Cork, Ireland, 8 October.
- Blinova, V., A. Stadnitskaia, M. Ivanov, E. Bileva & L. Pinheiro. Hydrocarbon gases from the mud volcanic deposits of the Gulf of Cadiz. Geosphere-Biosphere Coupling Processes: the TTR interdisciplinary approach towards studies of the European and N. African margins. Marrakech, Morocco, 2-5 February.
- Blinova, V., M. Ivanov, A. Stadnitskaia, E. Bileva & L. Pinheiro. Hydrocarbon gases and gas hydrates from the mud volcanic deposits of the Gulf of Cadiz area. European Geosciences Union Meeting, Vienna, Austria, 24-29 April.
- Blinova, V., M. Ivanov, E. Bileva, A. Stadnitskaia & L. Pinheiro. Geochemical characteristic of HC gases from mud volcanic deposits in the Gulf of Cadiz area. 8<sup>th</sup> International conference "New ideas in geology and geochemistry of oil and gas: petroleum systems of sedimentary basins". Moscow State University, Moscow, Russia, 31 May- 2 June.
- Bonilla-Findji, O., G.J. Herndl & M.G. Weinbauer. Effect of viruses and flagellates on prokaryotic productivity and diversity in the offshore Mediterranean Sea. ASLO meeting, Santiago de Compostela, Spain, 20-24 June.

- Booij, K. Chemical and toxicological background of the MARPOL treaty. Marine Environmental Awareness Course, NIOZ, 11 October.
- Boon, J.P. Bioaccumulation of hexabromocyclododecanes (HBCDs) in fish and marine mammals. Workshop of the EU-CREDO cluster. Prague, Czech Republic, 8-12 May.
- Boon, J.P., M.J.W. Veldhuis & C.C. Ten Hallers-Tjabbes. Environmental Problems associated with ballast water transport. Maritieme Ontmoetingsdag Koninklijke Nederlandse Vereniging voor Technici op Scheepvaartgebied (KNVTS) en de Vereniging Nederlandse Scheepsbouw Industrie (VNSI), Rotterdam, 1 November.
- Brandsma, J. Analysis of intact polar membrane lipids of benthic foraminifera and associated bacteria. Darwin Meeting "The Nitrogen Cycle: foraminifera, bacteria and molecular paleontology of the marine deeper redox zone", Utrecht, 6 October.
- Brussaard, C. & C.J.M. Philippart. Fytoplankton, de basis van het voedselweb - en daarmee van het beleid. Noordzeedagen, NIOZ, 13-14 October.
- Brussaard, C.P.D. & G. Bratbak. *Phaeocystis* and the role of viruses. Final meeting SCOR *Phaeocystis* working group #120: *Phaeocystis*, major link in the biogeochemical cycling of climate-relevant elements, Groningen 30 August-3 September.
- Brussaard, C.P.D. Ecological perspectives of virally-induced algal mortality. Gordon Research Conference on Applied and Environmental Microbiology. New London, Connecticut, USA, 24-29 July.
- Brussaard, C.P.D. Viral control of phytoplankton. The 4<sup>th</sup> Algal Virus Workshop, Amsterdam, 17-21 April.
- Brussaard, C.P.D. & A.-C. Baudoux. How different irradiance levels affect the interactions between virus and algal host. American Society of Limnology and Oceanography (ASLO) Summer Meeting, Santiago de Compostela, Spain, 19-24 June.
- Cadée, G.C. Fragmented shells more interesting than entire? Identifying traces on shells. NET, Texel, 24 February, NMV Naturalis Leiden, 9 April, KNNV Haarlem, 28 May, KNNV Den Helder, 7 October.
- Cadée, G.C. History of NIOZ, in particular diatom research at NIOZ. NVKD symposium, NIOZ, 20 May.
- Cadée, G.C. Identification and ecology of shells from the Dutch coast. WadCom, Ecomare, Texel, 25 November.
- Calleja, L.I., J. Dachs, C.M. Duarte, S. Agusti & G.J. Herndl. Evidence for an important role of autochthonous and atmospheric inputs of volatile organic carbon in the subtropical Atlantic Ocean. ASLO meeting, Santiago de Compostela, Spain, 20-24 June.
- Calleja, M, L.I., C.M. Duarte, Y Prairie, S. Agusti & G.J. Herndl. Evidence for an important role of surface water layer processes on air-water gas transfer in the subtropical Atlantic Ocean. 37<sup>th</sup> International Liege Colloquium on Ocean Dynamics, Liege, Belgium, 2-6 May.
- Camphuysen, C.J. & J. van der Meer. De zandspiering en zijn predatoren: gedetailleerd onderzoek aan een complex marien voedselweb om visserijeffecten te kunnen beoordelen. Noordzeedagen, NIOZ, 13-14 October.
- Camphuysen, C.J. Colour ringed herring gulls *Larus argentatus*: a dream project or a major headache. 1st European Colour-ring Meeting, Jezus-Eik/Overijsse, Brussels, Belgium, 2-4 September.
- Camphuysen, C.J. De herkenning van walvissen en dolfinen in de Noordzee Een introductie. Ecomare, Texel, 24 March.
- Camphuysen, C.J. Ecological quality objectives on oiled guillemots. Beached bird survey meeting, Royal Society for the Protection of Birds, Edinburgh, Scotland, 12 May
- Camphuysen, C.J. Seabirds and climate change. NOU symposium on climate change, Naturalis, Leiden, 12 March
- Camphuysen, C.J. Walvissen in Nederland. Ecomare, Texel, 24 March.

- Camphuysen, C.J. Washed ashore: what dead birds have to say. Introduction to the Dutch beached bird survey, 1915-2005. Beached bird survey meeting, Royal Society for the Protection of Birds, Edinburgh, Scotland, 12 May.
- Cardoso, J.F.M.F., D. Langlet, J.F. Loff, A.R. Martins, J.I.J. Witte & H.W. van der Veer. Spatial and temporal variability in growth and reproduction of the Japanese cupped oyster *Crassostrea gigas* (Thunberg, 1793). Workshop on Aquatic invasive species and the functioning of European coastal ecosystems, Sylt, Germany, 27-30 January.
- Compton, T., J. Drent, R. Kentie & T. Piersma. Species Packing in bivalves from a tropical and temperate mud-flat, Benelux Congress, Wageningen, November.
- Coolen, M.J.L., B. Abbas, S. Schouten, G.M. Muyzer, J.K. Volkman, J. Overmann & J.S. Sinninghe Damsté. Fossil DNA as a recorder of ancient microbial communities and palaeoenvironments. 22<sup>nd</sup> Intern. Meeting on Organic Geochemistry, Seville, Spain, 12-16 September.
- de Baar, H.J.W. A Brief History of the Trippenhuis, Introductory lecture of the First Annual Meeting of CAR-BOOCEAN Integrated Project, Amsterdam, 22 November.
- de Baar, H.J.W. Biologische productie in de Noordzee: veel hogere CO<sub>2</sub> opname dan gedacht. Nationale Noordzeedagen, Texel, 13 October.
- de Baar, H.J.W. De Rol van IJzer in Algengroei en CO<sub>2</sub> Opname van de Antarctische Oceaan, Koninklijke Maatschappij voor Natuurkunde onder de zinspreuk Diligentia, 's-Gravenhage, 12 December.
- de Baar, H.J.W. Initial Condition of the *in situ* Iron Enrichment Experiments. SOLAS Expert Workshop on Iron Addition Experiments in the Oceans, Wellington, New Zealand, 31 October.
- de Baar, H.J.W. Lecture series introductory oceanography, University of Groningen, Biological Centre, Haren, 7-18 February.
- de Baar, H.J.W. On the Different Physical-Chemical States of Iron in Seawater during the *in situ* Iron Enrichments, SOLAS Expert Workshop on Iron Addition Experiments in the Oceans, Wellington, New Zealand, 2 November.
- de Baar, H.J.W. Role of the Oceans in the High-CO<sub>2</sub> World, high school project lecture for MolenpleinSchool, Texel, 30 March; Current Themes Colloquium in Top-Masters Program, Centre for Evolutionary and Ecological Studies, Haren, 25 April.
- de Baar, H.J.W. Synthesis of 8 Iron Fertilization Experiments with Implications for CO<sub>2</sub> and Climate; ASLO Summer Meeting, Santiago de Compostela, Spain, 21 June 2005; Workshop of KEOPS Antarctic expedition, Marseille, 30 September.
- de Baar, H.J.W. Towards SCOR-GEOTRACES in the International Polar Year, France BONUS initiative workshop, Paris, France, 9 May; Contributed lecture at Joint SCAR/SCOR Panel on Polar Oceanography, Venice, Italy, 7 October.
- de Bruin, T. F. Roles in the IPY: The Joint Committee on Antarctic Data Management (JCADM). Open Consultative Meeting for the IPY, Paris, France, 10-11 March.
- de Bruin, T. F. Achievements of the Joint SCAR/COMNAP Committee on Antarctic Data Management (JCADM). JCADM Review meeting, Texel, The Netherlands, 31 March – 1 April.
- de Bruin, T. F. The Joint SCAR/COMNAP Committee on Antarctic Data Management (JCADM). IODE-XVIII meeting, Ostend, Belgium, 25 – 30 April.
- de Bruin, T. F. Questionnaire on CTD operations – The Sequel. ICES-MDM annual meeting, Sopot, Poland, 9 – 11 May.
- de Bruin, T. F. Other guidelines – How to proceed. ICES-MDM annual meeting, Sopot, Poland, 9 – 11 May.

- de Bruin, T. F. NODCi - A national infrastructure for access to oceanographic and marine data and information. ICES-MDM annual meeting, Sopot, Poland, 9 – 11 May.
- de Bruin, T. F. The SCAR/COMNAP Joint Committee on Antarctic Data Management (JCADM). SCAR MarBIN Implementation meeting, Brussels, Belgium, 25 – 26 May.
- de Bruin, T. F. Marine physical and chemical data in the context of SCAR MarBIN. SCAR MarBIN Implementation meeting, Brussels, Belgium, 25 – 26 May.
- de Bruin, T. F. The SCAR/COMNAP Joint Committee on Antarctic Data Management (JCADM). International Marine Data and Information Systems Conference, Brest, France, 31 May – 3 June.
- de Bruin, T. F. COREBASE – The database of sediment samples and results at the Royal Netherlands Institute for Sea Research. International Marine Data and Information Systems Conference, Brest, France, 31 May – 3 June.
- de Bruin, T. F. The Netherlands National Oceanographic Data Committee: The Netherlands platform for data exchange and advisory services on data management. 20<sup>th</sup> meeting of the UK Marine and Environmental Data Action Group (MEDAG) Bangor, United Kingdom, 5 July.
- de Bruin, T. F. The SCAR/COMNAP Joint Committee on Antarctic Data Management. SCAR Executive meeting, Sofia, Bulgaria, 11-13 July.
- de Bruin, T. F. The SCAR/COMNAP Joint Committee on Antarctic Data Management. STADM meeting, Sofia, Bulgaria, 13 July.
- de Bruin, T. F. The SCAR/COMNAP Joint Committee on Antarctic Data Management. Joint SCAR/COMNAP Executive meeting, Sofia, Bulgaria, 13 July.
- de Bruin, T. F. Antarctic data management and JCADM – SCAR, COMNAP and JCADM-history and current status. 2<sup>nd</sup> Latin-American Capacity building workshop for NADCs, Buenos Aires, Argentina, 12-13 September.
- de Bruin, T. F. The JCADM web site as a tool for capacity building. 2<sup>nd</sup> Latin-American Capacity building workshop for NADCs, Buenos Aires, Argentina, 12-13 September.
- de Bruin, T. F. JCADM Chief Officer's Report. JCADM-9 annual meeting, Buenos Aires, Argentina, 14-16 September.
- de Bruin, T. F. A report from the SCAR and COMNAP Executives meetings. JCADM-9 annual meeting, Buenos Aires, Argentina, 14-16 September.
- de Bruin, T. F. The Netherlands AntArctic Programme (NAAP). JCADM-9 annual meeting, Buenos Aires, Argentina, 14-16 September.
- de Bruin, T. F. Oceanografisch en Antarctisch data management. NWO bijeenkomst over data management. Den Haag, 10 November.
- de Bruin, T. F. "Laat zien wat je hebt", data management in het kader van het International Polar Year 2007/2008. Arctisch Weekend 2005, De Rijp, 20 November.
- de Bruin, T. F. Datamanagement for the SCAR Science Research Programmes. SCAR Cross Linkages Workshop, Amsterdam, 22-24 November.
- de Goeij, J.M. & F.C. van Duyl. The important role of sponges in dissolved organic matter (DOM) removal in coral cavities. 32<sup>nd</sup> Scientific Meeting of the Association of Marine Laboratories of the Caribbean (AMLC), Curaçao, Netherlands Antilles, 13-17 June.
- de Haas, H., T.C.E. van Weering, H.C. de Stigter, F. Mienis & T.O. Richter. Carbonate mounds and reefs of the Rockall trough and Gulf of Cadiz; Moundforce progress. International Conference and TTR post-cruise meeting. Geosphere biosphere coupling processes: the TTR interdisciplinary approach towards studies of the European and North African margins, Marrakech, Morocco, 2-5 February.

- de Leeuw, J.W. & M.L. Sogin. Microbes: The invisible rulers of our world. 2<sup>nd</sup> All Program meeting Census of Marine Life, Frankfurt, Germany, 3 November.
- de Leeuw, J.W. The International Census of Marine Microbes and MICROBIS, its data management environment. Workshop: "eGenomics: Cataloguing our Current Genome Collection II", European Bioinformatics Institute (EBI), Cambridge, UK, 10-11 November.
- de Leeuw, J.W., I. Poole, P. Blokker & P.F. van Bergen. Resistant bio- and geomacromolecules in fossil spores, pollen and wood. 22<sup>nd</sup> Intern. Meeting on Organic Geochemistry, Seville, Spain, 12-16 September.
- de Stigter, H.C. Sediment fluxes in the Nazaré and Setúbal Canyon, Portuguese Atlantic margin. Hermes Kick-Off Meeting, Rhodes, Greece, 3-9 April.
- de Stigter, H.C., T.C.E. van Weering, G.D. van den Bergh & W. Boer. Particulate matter transport and deposition in the Nazaré Canyon, Portuguese Atlantic margin. European Geosciences Union, 2<sup>nd</sup> General Assembly, Vienna, Austria, 24-29 April.
- de Stigter, H.C., T.C.E. van Weering, G.D. van den Bergh & W. Boer. Fluxes of particulate matter in the Nazaré and Lisbon/Setúbal Canyons, Portuguese Atlantic margin. Joint Eurostrataform / Promess1 Annual Meeting, Salamanca, Spain, 24-27 October.
- Dekker, R. & K. Essink. Development and competitive abilities of the North American spionid polychaete *Marenzelleria* cf. *wireni* in the Dutch Wadden Sea. MARBEF workshop on aquatic invasive species and the functioning of European coastal waters, Sylt, Germany, 27-30 January.
- Dekker, R. Changes in Wadden Sea macrozoobenthos and the impact of immigrants. Karel Essink farewell-minisymposium, Haren, 21 October.
- Dopico M., A. Ramos & C.J. Camphuysen. Dieta invernal de la población de Arao Comun (*Uria aalge*) afectada por el vertido del petrolero Prestige en la provincia de A Coruña. VI Congreso Galego de Ornitología e V Jornadas Ornitológicas Cantábricas, Lugo, Spain, 29-31 October.
- Duineveld, G.C.A. Temporal trends in feeding guilds among the macrobenthos at the NCP. ICES group North Sea Benthos Project, VLIZ, Oostende, Belgium, 16 November.
- Duineveld, G.C.A., M.S.S. Lavaleye & M. Bergman. Does the fauna in closed areas around Production Platforms in the Southern North Sea reflect different fishing intensity? ICES Benthos Ecology Working Group, Copenhagen, Denmark, 18-22 April.
- Fernández Boán M., L. García, A. Ramos, M. Dopico, D. Bigas, J. Castelló, R. Bao & C.J. Camphuysen. Características generales de la población de Arao Común (*Uria aalge*) afectada por el accidente del petrolero Prestige en la costa de A Coruña. VI Congreso Galego de Ornitología e V Jornadas Ornitológicas Cantábricas, Lugo, Spain, 29-31 October.
- Forster, A., S. Schouten & J.S. Sinninghe Damsté. From the Cretaceous paleoequator to the Arctic: sea-surface temperature reconstruction in a greenhouse world based on the TEX<sub>86</sub>-proxy. 22<sup>nd</sup> Intern. Meeting on Organic Geochemistry, Seville, Spain, 12-16 September.
- Forster, A., S. Schouten & J.S. Sinninghe Damsté. Sea-surface temperature reconstruction in a greenhouse world based on the TEX<sub>86</sub>-proxy: from the Cretaceous paleoequator to the Arctic. 7<sup>th</sup> Intern. Symposium on the Cretaceous, Neuchatel, Switzerland, 5-9 September.
- Ganssen, G.M., G.J.A. Brummer, S.J.A. Jung, D. Kroon & F.J.C. Peeters. The oxygen isotope composition in planktic foraminifera shells as recorder of maximal SST variation. EGU-general assembly, Vienna, Austria, 24-29 April.
- García, A.C., H. Coelho, P.A. de Jesus Mendes, H.C. de Stigter, T.C.E. van Weering, L. Thomsen & R. Neves. Using Lagrangian tracers to model bottom sediment transport along the Nazaré and Setubal submarine canyons. Joint Eurostrataform / Promess1 Annual Meeting, Salamanca, Spain, 24-27 October.

- Garcia, A.C., H. Coelho, P.C. Leitão, H.C. de Stigter, T.C.E. van Weering & R. Neves. Internal tide influence on sediment resuspension in the Nazaré Submarine Canyon and adjacent areas. European Geosciences Union, 2<sup>nd</sup> General Assembly, Vienna, Austria, 24-29 April.
- Gerkema, T. & V.I. Shrira. 'Non-traditional' internal-wave propagation in the deep ocean. IAG/IAPSO/IABO Joint Assembly, Cairns, Australia, 23 August.
- Gerkema, T. Geophysical flows. NCK Summer School. NIOZ, 30 June - 1 July.
- Gerkema, T. Geophysical flows. NEBROC-ECOLMAS Introductory Course in Marine Sciences. Bremen, Germany, 24 October.
- Gerkema, T. Internal waves in the ocean: a 'non-traditional' view. CWI, Amsterdam, 15 June.
- Gerkema, T. Internal waves: the ocean's inner unrest. IMAU, Utrecht University, 20 December.
- Gerkema, T. La marée interne: taux de conversion, propagation, et effets non linéaires. Laboratoire de Météorologie Dynamique, ENS, Paris, France 13 October.
- Gerkema, T. Near-inertial waves in the ocean: non-traditional and non-linear effects. International Symposium 'Topical Problems of Nonlinear Wave Physics', St. Petersburg, Russia, 6 August.
- Gerkema, T., F.P.A. Lam & L.R.M. Maas. Tides and residual currents over the shelf-edge in the Bay of Biscay. IAG/IAPSO/IABO Joint Assembly, Cairns, Australia, 23 August.
- Harlander, U. & L. R. M. Maas. Internal boundary layers in the equatorial waveguide. European Meteorological Society, Utrecht, 12.-16. September.
- Harlander, U. Internal boundary layers in a well-mixed equatorial atmosphere. Ecole Normale et Supérieure Lyon, 21 November.
- Heip, C., P. Herman, J. Olsen, W. Wolff, J. van der Meer & C.J.M. Philippart. Perspectives in coastal benthic research: the link between biodiversity and ecosystem functioning. National symposium on challenges in marine sciences 2005-2010. NIOZ, 12 April.
- Herfort, L., C. Wuchter, S. Schouten & J.S. Sinninghe Damsté. Ecology of marine archaea in the North Sea. ASLO Summer Meeting, Santiago de Compostela, Spain, 19-24 June.
- Herndl, G.J., E. Teira, E. Sintes, T. Reinthaler & C. Maier. Quantifying single-cell activity by MICRO-CARD-FISH: potential and limitations. Symposium on Single-cell analysis of planktonic microbes, Banyuls sur mer, France, 17-20 October.
- Herndl, G.J., E. Teira, T. Reinthaler & H.M. van Aken. Distribution and activity of planktonic archaea in the North Atlantic. Symposium on Single-cell analysis of planktonic microbes, Banyuls sur mer, France, 17-20 October.
- Herndl, G.J., J.M. Arrieta, E. Teira & H.M. van Aken. Planktonic archaea in the North Atlantic: linking water masses to archaeal activity and community composition. 9<sup>th</sup> Symposium on Aquatic Microbial Ecology, Helsinki, Finland, 21-26 August.
- Hopmans, E.C. TSQ Quantum applications in oceanographic research. Thermo LC-MS/MS user meeting, Utrecht, 12 April.
- Huguet, C., J.E. Cartes & S. Schouten. Archaeal lipids in decapod faecal-pellets: hitching a ride to the bottom of the ocean. ASLO Summer Meeting, Santiago de Compostela, Spain, 19-24 June.
- Jansen, J.H.F. Paleoceanography, General circulation. NEBROC-ECOLMAS Introductory Course in Marine Sciences. Bremen, Germany, 2 November.
- Jansen, J.H.F. Paleoceanography, Terrigenous proxies. NEBROC-ECOLMAS Introductory Course in Marine Sciences. Bremen, Germany, 2 November.
- Jansen, J.H.F. Why ice ages, and what does the ocean floor tell about them? Openbare Scholengemeenschap De Hogeberg, Den Burg, 24 November, 25 November.

- Johnson, T.C., L. Powers, J.P. Werne, E. Brown, I.S. Castañeda, S. Schouten & J.S. Sinninghe Damsté. Linking the North Atlantic oscillation to rainfall over northern Lake Malawi. EOS Transactions, AGU Fall Meeting, San Francisco, USA, 5-9 December.
- Kentie, R., V. van den Brink, J. Schröder, C. Both, J. Hooijmeijer, N. Groen & T. Piersma. Individual quality and the timing of breeding in black-tailed godwits (*Limosa limosa limosa*). International Wader Study Group Conference, Cork, Ireland, 8 October.
- Lavaleye, M.S.S. & G.C.A. Duineveld. Research cruises with RV Pelagia for HERMES. Kick-off meeting HERMES, Rhodos, Greece, 3-9 April.
- Lavaleye, M.S.S. & G.C.A. Duineveld. The exploration of the trophic foodweb of a cold-water coral community of the Rockall Trough by means of analysis of stable isotope ( $\delta^{15}\text{N}$ ) signatures of the main biota. 3rd International Symposium Deep-Sea Corals, Miami, USA, 30 November.
- Lavaleye, M.S.S. & J.I.J. Witte. Veertien programma's over diverse onderwerpen uit het natuurleven in zee. Natuurwijzer, Radio Texel.
- Lavaleye, M.S.S. Zeesnot. Wegwerp slijmhuizen van giga-mantelvisjes om nanoplankton te vangen. Radio programma Noorderlicht, VPRO, 14 June.
- Lavaleye, M.S.S., G.C.A. Duineveld & J. Craeymeersch. Preliminary results of the distribution of the feeding guilds of macrobenthos of the North Sea. ICES group North Sea Benthos Project, Copenhagen, Denmark, 12-15 April.
- Lavaleye, M.S.S., G.C.A. Duineveld & J. Craeymeersch. Functional groups of the macrobenthos of the North Sea. ICES group North Sea Benthos Project, Oostende, Belgium, 16-18 November.
- Legrand, C. & C.P.D. Brussaard. Phytoplankton allelochemicals: lytic and sublytic effects on competitors. American Society of Limnology and Oceanography (ASLO) Summer Meeting, Santiago de Compostela, Spain, 19-24 June.
- Maas, L.R.M. Inertial wave attractors. The dynamics of rotating fluids conference. University College London, 7 January.
- Maas, L.R.M. Wave Attractors. Burgersdag. Delft Technical University, 14 January.
- Maas, L.R.M. Wave Attractors: linear yet nonlinear. Keynote Lecture 5<sup>th</sup> Euromech Nonlinear Dynamics Conference (ENOC), Eindhoven Technical University, 7-12 August.
- Maas, L.R.M. Wave Attractors: linear yet nonlinear. Ecole Normale et Supérieure Lyon, 14 November.
- Maas, L.R.M. & H. van Haren. Is fair-weather drowning caused by dead-water? LOCEAN, Institute Pierre Simon Laplace, Université Pierre et Marie Curie, Paris, France, 17 November.
- Maas, L.R.M. & H. van Haren. Is fair-weather drowning caused by dead-water? Ecole Normale et Supérieure Lyon, 21 November.
- Maas, L.R.M. & H. van Haren. Is fair-weather drowning caused by dead-water? Laboratoire Géophysique et Industriels, Université Joseph Fourier, Grenoble, France.
- Maas, L.R.M. Wordt ons klimaat beïnvloed door de maan? - de rol van enkele oceanografische processen. Woudschotenconferentie, Noordwijkerhout, 16 December.
- Maier, C., A. de Kluijver, W.-R. Abraham, F.C. van Duyl, M. Agis & M. Weinbauer. Potential food sources for deep water corals from Rockall Trough (NE Atlantic) assessed by aquarium feeding experiments. Third International Symposium on Deep-Sea Corals, Miami, Florida, U.S.A., 28 November- 2 December.
- Mazzini, A., M.K. Ivanov, J. Parnell, A. Stadnitskaia, B. Cronin, E. Poludetkina, L. Mazurenko & T.C.E. van Weering. Methane-related authigenic carbonates from the Black Sea: Geochemical characterization and relation to seeping fluids. International Workshop on: Methane in sediments and water column of

the Black Sea: Formation, transport pathways and the role within the carbon cycle. Sevastopol, Ukraine, Russia, 17-22 May.

- Mazzini, A., M.K. Ivanov, J. Parnell, A. Stadnitskaia, B. Cronin, E. Poludetkina, L. Mazurenko & T.C.E. van Weering. Methane-related authigenic carbonates from the Black Sea: Geochemical characterization and relation to seeping fluids. 8<sup>th</sup> International conference "New ideas in geology and geochemistry of oil and gas: petroleum systems of sedimentary basins". Moscow State University, Moscow, Russia, 31 May- 2 June.
- Moeseneder, M., M.J.M. Arrieta & G.J. Herndl. A comparison of DNA- and RNA-based clone libraries from the same marine bacterioplankton community. ASLO meeting, Santiago de Compostela, Spain, 20-24 June.
- Nauw, J.J., H.M. van Aken, J.R.E. Lutjeharms & W.P.M. de Ruijter. The South East Madagascar Current and undercurrent. European Geophysical Union, Vienna, Austria, 24-29 April.
- Pagani, M., N. Pedentchouk, M. Huber, A. Sluijs, S. Schouten, H. Brinkhuis, J.S. Sinninghe Damsté & G. Dickens. Atmosphere-ocean CO<sub>2</sub> disequilibrium and the hydrologic response to climate change during the perm: an Arctic perspective. GSA Annual Meeting, Salt Lake City, USA, 17 October.
- Pernthaler, J., F. Warnecke, M. Schattenhofer, R. Sommaruga & G.J. Herndl. Local distribution optima of aquatic microbes: evidence from two kilometres above and below the sea level. ASLO meeting, Santiago de Compostela, Spain, 20-24 June.
- Philippart, C.J.M., G.C. Cadée, J. Hegeman & J. van Iperen. Thirty year of diatom observations in the Marsdiep tidal inlet: causes and consequences of long-term trends. NVKD Symposium, NIOZ, 20 May.
- Philippart, C.J.M., G.C. Cadée, J. Hegeman & J. van Iperen. Veranderingen in algenbloeien. Wetenschap 2005, Texel, 19-26 October.
- Philippart, C.J.M., J. J. Beukema, G.C. Cadée, R. Dekker, P.W. Goedhart, J.M. van Iperen, M.F. Leopold & P.M.J. Herman. Possible consequences of changing nutrient conditions for the Wadden Sea ecosystem: what goes up must come down? "Ecosystems in Changing Estuaries", a special retirement symposium in honour of Prof. Dr W.J. Wolff, Groningen, 28-29 November.
- Philippart, C.J.M., O.G. Bos, E. Gontikaki & S.A.L.M. Kooijman. The role of phenotypic plasticity of feeding organs in the early life survival of marine benthic invertebrates. Summer Meeting, SS16: Environmental effects on reproduction of marine invertebrates, Santiago de Compostela, Spain, June 19-24.
- Philippart, C.J.M., J.J. Beukema, G.C. Cadée, R. Dekker, P.W. Goedhart, J.M. van Iperen, M.F. Leopold & P.M.J. Herman. Impact of nutrient reduction on coastal food chains. Estuarine Research Federation 2005, SYM03: Examining nutrient enrichment effects on coastal ecosystems through comparative ecological approaches and perspectives. Norfolk, Virginia, USA, 17-21 October.
- Piersma T. Digestive constraints and the distributional ecology of a shellfish-eating, worldwide migrating shorebird. Seminars in Ecology and Evolution of the Institute for Biodiversity and Ecosystem Dynamics, University of Amsterdam, 24 February
- Piersma T. Distributional ecology of a molluscivore shorebird predator. Seminar at the Cornell Laboratory of Ornithology, Cornell University, Ithaca, N.Y., USA, 2 February
- Piersma, T. Adaptation, biocomplexity and conservation. Lecture series, Topmaster course, Centre for Ecological and Evolutionary Studies, University of Groningen, Haren, November-December
- Piersma, T. Demography of Eurasian golden plovers in The Netherlands. International Wader Study Group Conference, Cork, Ireland, 10 October
- Piersma, T. Ecology of intertidal flat systems. Introductory course of Leiden Pre-University students, NIOZ, 3 June

- Piersma, T. Ecology of the Banc d' Arguin. Symposium in recognition of Prof. W.J. Wolff at the Centre for Ecological and Evolutionary Studies, University of Groningen, Haren, 28 November.
- Piersma, T. Evolution and functional morphology of the vertebrates. Lecture series, First year Biology, University of Groningen, Haren, November
- Piersma, T. Experimental ecology: fisheries biology, disease problems and dispersal. Lecture series in Master Course on Experimental Ecology, University of Groningen, Haren, March.
- Piersma, T. Is there such a thing as a migratory syndrome? Workshop European Science Foundation at the Max Planck Institute for Ornithology, Seewiesen, Germany, 8 January.
- Piersma, T. Phenotypic flexibility and the ecology of organismal design. University of Vienna, Austria, 22 June.
- Piersma, T. Status of and threats to shorebirds in the Wadden Sea. Press conference BirdLife Netherlands, NIOZ, 27 October.
- Piersma, T. The flexible phenotype, illustrated by organisms from salty and silty environments. Benelux Congress of Zoology, Wageningen, 26 October
- Piersma, T. Towards an integrated research programme on ecosystem functioning of the Banc d' Arguin. Planning Workshop at the Parc National du Banc d' Arguin, Nouakchott, Mauritanie, 30 November.
- Piersma, T. What is animal ecology. Introductory day for prospecting biology students, University of Groningen, Haren, 15 April.
- Piersma, T. What Leo Zwarts found out. Meeting in recognition of Leo Zwarts, Workum, 27 September.
- Piersma, T. Why tundra-breeding birds avoid inland habitats. Dutch National Ornithology Day, Nijmegen, 26 November.
- Piersma, T., J. van der Meer, C. Heip, P. Herman & J. Olsen. Large-scale ecological processes in intertidal flat systems and nearshore waters. National Symposium on Seagoing Research, NIOZ, 12 April.
- Piersma, T. Knots and their food; and the problems caused by mechanical shellfish dredging. Annual Meeting Wadgidsengroep Noord-Nederland and Arenicola, Zoutkamp, 8 March.
- Powers, L.A., J.P. Werne, T.C. Johnson, E.C. Hopmans, J.S. Sinninghe Damsté & S. Schouten. The development of TEX<sub>86</sub> for continental paleotemperature reconstruction. GSA North Central Regional Meeting, Minneapolis, USA, 19-20 May.
- Powers, L.A., J.P. Werne, T.C. Johnson, E.C. Hopmans, J.S. Sinninghe Damsté & S. Schouten. The development of TEX<sub>86</sub> for continental paleotemperature reconstruction: problems and promise. Goldschmidt Conference, Moscow, Idaho, USA, 20-25 May.
- Powers, L.A., J.P. Werne, T.C. Johnson, E.C. Hopmans, J.S. Sinninghe Damsté & S. Schouten. The calibration and application of TEX<sub>86</sub> in lacustrine systems: a powerful tool for independent continental paleotemperature reconstruction. 22<sup>nd</sup> Intern. Meeting on Organic Geochemistry, Seville, Spain, 12-16 September.
- Powers, L.A., T.C. Johnson, J.P. Werne, E.C. Hopmans, J.S. Sinninghe Damsté & S. Schouten. Worldwide calibration of the molecular paleotemperature proxy TEX<sub>86</sub> in lacustrine systems and application to a tropical African sediment record through the LGM. ASLO Winter Meeting, Salt Lake City, USA, 20-25 February.
- Ramos A., M. Dopico, M. Fernández Boán, L. García, D. Bigas, J. Castelló, R. Bao & C.J. Camphuysen. Caracterización de las poblaciones de *Alca torda* L., 1758 afectadas por el vertido del petrolero Prestige y comparación con otras mareas negras. VI Congreso Galego de Ornitología e V Jornadas Ornitológicas Cantábricas, Lugo, Spain, 29-31 October.

- Rampen, S.W., S. Schouten, B. Abbas, F.E. Panoto, G. Muyzer & J.S. Sinninghe Damsté. Lipiden en DNA van diatomeeën: inzicht in evolutie en classificatie. Nederlands-Vlaamse kring van Diatomisten studiedagen, NIOZ, 20 & 21 May.
- Reinthal, T. & G.J. Herndl. Bacterial and dark community respiration in the euphotic layer along a transect from the Mauritanian upwelling into the subtropical Atlantic gyre. European Geophysical Society meeting, Vienna, Austria, 25-29 April.
- Reinthal, T. & G.J. Herndl. Bacterial respiration and growth efficiency: a system comparison of oceanic sites. ASLO meeting, Santiago de Compostela, Spain, 20-24 June.
- Reinthal, T. & G.J. Herndl. Prokaryotic respiration of the meso- and bathypelagic realm. Workshop on Respiration Measurements in the Aquatic Environment, Vigo, Spain, 12-16 June.
- Reneerkens, J. Bescherming van wadvogels: de noodzaak van wetenschappelijk onderzoek. Wetlandwachten weekend, Vogelbescherming Nederland, Kollumerpomp, 19-20 March.
- Reneerkens, J. De kanoetstrandloper: aanpassingen aan een arctisch broedseizoen. IMAKA/Arctisch Centrum, Groningen, 24 February.
- Reneerkens, J. Fysiologische oplossingen voor ecologische problemen: maaggruote en stuitklierwas bij kanoeten. Vogelwerkgroep Asten/IVN Asten-Someren, Asten, 11 November.
- Reneerkens, J., J. Jukema, J. Wijmenga & S. Gomboobaatar. The Northeastern Mongolian steppes: a stopover site of importance for Pacific golden plovers. International Wader Study Group Meeting, Cork, Ireland, 6-11 October
- Reneerkens, J., T. Piersma & J.S. Sinninghe Damsté. Seasonally changing preen wax composition in shorebirds. Biologisch Centrum, Groningen University, Haren, 18 January.
- Reneerkens, J., T. Piersma & J.S. Sinninghe Damsté. Why do shorebirds seasonally change the secretions of the uropygial gland? Verwey Dagen, NIOZ, 31 January.
- Ridderinkhof, H. 'Lange termijn in-situ metingen bij het NIOZ'. Hydrographic Society Benelux, Utrecht, 23 September.
- Ridderinkhof, H. 'Sediment transport in het Marsdiep'. Noordzeedagen, Texel, 14 October.
- Ridderinkhof, H. Estimating suspended sediment fluxes from long-term ferry observations. TU Delft, 25 January.
- Ridderinkhof, H. Estimating suspended sediment fluxes through a tidal inlet using long-term ADCP observations from a ferry. ASLO, Santiago de Compostela, Spain, 23 June.
- Ridderinkhof, H. Estimating suspended sediment fluxes through a tidal inlet using long-term ADCP observations from a ferry. POL, Liverpool, U.K., 8 September.
- Ridderinkhof, H. Long-term current observations in the Mozambique Channel. EGS, Vienna, Austria, 26 April.
- Ruardij, P., C.P.B. Brussaard, D. van der Wal & M.J.W. Veldhuis. The role of colony formation by *Phaeocystis globosa* in the development and the decay of the bloom: a model study. SCOR working group #120 "Phaeocystis Symposium on Taxonomic Aspects, Distribution, Life Cycle, Ecophysiology, Biotic Interactions, Biogenic Sulfur, Gases and Fate in the Atmosphere and Modelling, Haren, 30 August - 3 September.
- Schefuß, E., T.I. Eglinton, S. Schouten, P.M. Grootes, J. Rullkötter, R.R. Schneider & J. Hayes. Molecular-isotopic approaches to continental climate reconstructions from marine sediments: African aridity, vegetation and terrestrial carbon export to the ocean. 22<sup>nd</sup> Intern. Meeting on Organic Geochemistry, Seville, Spain, 12-16 September.
- Schouten, S. Application of a new organic proxy to reconstruct sea surface temperatures. Symposium "Paleoclimate Change: High-latitudes & Ocean Circulation", London, UK, 2-3 June.

- Schouten, S., C. Wuchter, C. Huguet, S.G. Wakeham, S. Bohaty, J. Zachos, E. Hopmans & J. Sinninghe Damsté. Recent advances in TEX<sub>86</sub> paleothermometry. 22<sup>nd</sup> Intern. Meeting on Organic Geochemistry, Seville, Spain, 12-16 September.
- Schouten, S., J. Ossebaar, M. Kienhuis, E. Schefuß & J. Bijma. First biogeochemical applications of compound specific hydrogen isotopes, 6<sup>th</sup> Benelux IRMS User Group Meeting, Gent, Belgium, 10-11 March.
- Scott, B.E., J. Sharples, O.N. Ross & C.J. Camphuysen. Marine top predator foraging habitat predicted from a detailed understanding of temporal and spatial oceanographic processes. ICES CM 2005, Aberdeen, Scotland, September.
- Sinninghe Damsté J.S., Het sedimentaire archief: moleculen van vroeger leven. Invited lecture at the NWO Mozaïek Meeting, Utrecht, 14 April.
- Sinninghe Damsté J.S., Moleculaire paleontologie: Gebruik van chemische fossielen voor reconstructie van de geschiedenis van de Aarde. The Museon, The Hague, 4 November.
- Sinninghe Damsté, J.S. Acceptance lecture Treibs medal. 22<sup>nd</sup> Intern. Meeting on Organic Geochemistry, Seville, Spain, 13 September.
- Sinninghe Damsté, J.S. Molecular fossils: how can fossil chemicals be used to reconstruct ancient climates? Faculty of Chemistry, Utrecht University, Utrecht, 21 April.
- Sinninghe Damsté, J.S. Molecules from the past: Chemistry and application. Invited lecture at the yearly symposium of the Holland Research School of Molecular Chemistry (HRSMC), Amsterdam, 2 December.
- Sinninghe Damsté, J.S. Paleothermometrie van de oceanen in de afgelopen 100 miljoen jaar. Natuurkundig Genootschap, Utrecht, 17 May.
- Sinninghe Damsté, J.S. The Black Sea: a natural anaerobic wastewater treatment plant. Paques BV, Texel, 23 June.
- Sinninghe Damsté, J.S., A.A. Raghoebarsing, A.J.P. Smolders, M.C. Schmid, W.I.C. Rijpstra, M. Wolters-Arts, J. Derksen, M.S.M. Jetten, S. Schouten, L.P.M. Lamers, J.G.M. Roelofs, H.J.M. Op Den Camp & M. Strous. The methane cycle in peat bogs revisited: methanotrophic symbionts provide carbon for photosynthesis. 22<sup>nd</sup> Intern. Meeting on Organic Geochemistry, Seville, Spain, 12-16 September.
- Sinninghe Damsté, J.S., C. Wuchter, L. Herfort, M.J.L. Coolen, P. Timmers, M. Strous G.J. Herndl, J.J. Middelburg & S. Schouten, Archaeal nitrification in the North Sea. LOICZ Meeting, Egmond aan Zee, 28 June.
- Sinninghe Damsté, J.S., C. Wuchter, L. Herfort, M.J.L. Coolen, P. Timmers, M. Strous, G.J. Herndl, J.J. Middelburg & S. Schouten, Oerbacteriën: een nieuwe link in de stikstofcyclus van de Noordzee. Noordzeedagen, Texel, 13 October.
- Sinninghe Damsté, J.S., J. Ossebaar & S. Schouten TEX<sub>86</sub> paleothermometry of Lake Challa sediments: Preliminary results. CHALLACEA workshop, Berlin, Germany, 2 September.
- Sinninghe Damsté, J.S., S. Schouten, S. Rampen, B. Abbas & G. Muyzer. Age-related molecular fossils in oils and sediments derived from diatoms. Shell Rijswijk, Rijswijk, 10 February.
- Sintes, E. & G.J. Herndl. Bacterial activity in the air-sea microlayer of the subtropical Atlantic: interaction between solar radiation, DOM and substrate utilization. ASLO meeting, Santiago de Compostela, Spain, 20-24 June.
- Sintes, E. & G.J. Herndl. Dynamics of bacteria in the sea surface microlayer in the open ocean. 9<sup>th</sup> Symposium on Aquatic Microbial Ecology, Helsinki, Finland, 21-26 August.
- Sluijs, A., S. Schouten, M. Pagani, H. Brinkhuis, J.S. Sinninghe Damsté, G.R. Dickens, M. Huber, G.-J. Reichart, R. Stein & L.J. Lourens. Ultra-high late Paleocene - early Eocene sea surface temperatures on the North Pole. AGU Meeting, San Francisco, USA, 5-9 December.

- Smallegange, I.M., J. van der Meer & M.W. Sabelis. Interference and the spatial distribution of shore crabs *Carcinus maenas* (L.). NIOO-CEME, Yerseke, 19 January.
- Smallegange, I.M., J. van der Meer & M.W. Sabelis. Interference and the ideal free distribution in shore crabs. Seminars on Ecology and Evolution. Special Iustrum symposium University of Amsterdam, 27 October.
- Stadnitskaia, A. & J.S. Sinninghe Damsté. Lipid patterns of methane consuming microorganisms and precipitation of carbonates in diverse seepage environments. Invited presentation Max-Planck-Institut für marine Mikrobiologie, Bremen, Germany, 7 July.
- Stadnitskaia, A., G. Muyzer, B. Abbas, M.J.L. Coolen, E.C. Hopmans, M. Baas, T.C.E. van Weering, M.K. Ivanov, E. Poludetkina & J.S. Sinninghe Damsté. Biomarker and 16S rRNA evidence for anaerobic oxidation of methane and related carbonate precipitation in deep-sea mud volcanoes of the Sorokin Trough, Black Sea. International Workshop on: Methane in sediments and water column of the Black Sea: Formation, transport pathways and the role within the carbon cycle. Sevastopol, Ukraine, 17-22 May and 8<sup>th</sup> International conference "New ideas in geology and geochemistry of oil and gas: petroleum systems of sedimentary basins". Moscow State University, Moscow, Russia, 31 May- 2 June.
- Stadnitskaia, A., J.S. Sinninghe Damsté & NAUTINIL 2003 scientific party. Lipid patterns of methane consuming microorganisms in diverse seepage environments. Nile deep-sea fan, Eastern Mediterranean. European Geosciences Union Meeting, Vienna, Austria, 24-29 April.
- Stadnitskaia, A., M.K. Ivanov, T.C.E. van Weering & J.S. Sinninghe Damsté. Fluid venting and mud volcanism in the deep sea: geology and biogeochemistry. Shell International E&P, Rijswijk, 2 August
- Teira, E. & G.J. Herndl. Prokaryotic distribution and activity in the deep waters of the North Atlantic. ASLO meeting, Santiago de Compostela, Spain, 20-24 June.
- Ten Hallers-Tjabbes, C.C. & P. Verlaan. The Environmental Aspects of Ship Recycling, Meeting on Ship Recycling, Centre for Maritime Research (CMR), London, UK, 23 April.
- Ten Hallers-Tjabbes, C.C. Orientation and Navigation in the wider Environment. Opening Address, Fifth International Conference Orientation and Navigation, Birds, Humans and other Animals, Royal Institute of Navigation, Reading, UK, 6 April.
- Timmermans, K.R. Diatoms in the natural laboratory around the Kerguelen. Nederlands Vlaamse diatomisten kring, Texel, 20 May.
- van der Meer, J. Invited lecture. International Wadden Sea Symposium, Esbjerg, Denmark, 4-8 April.
- van der Meer, J. Flow of energy and matter in marine benthic animal populations. Lecture series in student Course on Marine Ecosystem Ecology, University of Groningen, Haren, 9-10 June.
- van der Meer, J. Metabolic theories in ecology. International workshop on DEB modelling, Nantes, France, 4-6 July.
- van der Meer, J. Cockle fisheries: a case study in applied ecology. Lecture series in student Course on Marine Biology, University of Utrecht, Utrecht, 31 October -1 November.
- van der Meer, J. Flow of energy and matter in marine benthic animal populations. Lecture series in student Course on Marine Biology, University of Utrecht, 12-13 December.
- van der Veer, H.W. Carrying capacity of coastal nursery areas, North Carolina State University, Raleigh, USA, 8 December.
- van der Veer, H.W. DEB models as a powerful tool in marine ecology. University of South Carolina, Columbia, USA, 6 December.
- van der Veer, H.W., J. van der Meer, J.F.M.F. Cardoso & S.A.L.M. Kooijman. Physiological performance of flatfishes can be predicted by dynamic energy budgets. 6<sup>th</sup> International Symposium on Flatfish Ecology, Maizuru, Japan, 20-25 October

- van Duyl F.C. & J.M. De Goeij. Sources of nutrition for encrusting coral cavity sponges. EU Sponges Kick-off meeting, Mainz, Germany,, 12 November.
- van Duyl, F.C., M.M. Van Oostveen & J.D.L. van Bleijswijk. Cryptic sponges: nitrification hotspots in coral reef cavities. 9<sup>th</sup> Symposium Aquatic Microbial Ecology, Helsinki, Finland, 21-26 August
- van Duyl, F.C. Microbial Ecology of Coral Reefs. Invited lecture University of Amsterdam, Amsterdam, 17 November.
- van Duyl, F.C., C. Maier, A. Hoogstraten & J. Hegeman. Productivity and abundance of invertebrate-associated microbes in sponges and corals of cold water coral reefs (Rockall Trough, NE Atlantic). 3<sup>rd</sup> International Symposium on Deep-Sea corals. Miami, Florida, USA. 28 November – 2 December.
- van Haren, H. Near-inertial internal motions in the North Sea and the Mediterranean Sea. IMAU, Univ. Utrecht, 17 March.
- van Haren, H. Shear, stratification and mixing in the North Sea, Keynote Lecture 9<sup>th</sup> European Workshop on Physical Processes in natural waters, Lancaster, U.K., 4 September.
- van Iperen, J.M., C.J.M. Philippart, G.C. Cadée & J. Hegeman. Marsdiep phytoplankton time series. Results of 2004. 8<sup>th</sup> Advanced Phytoplankton Course, Taxonomy and Systematics, Naples, Italy, 2-23 April.
- van Weering, T.C.E. Mariene Geowetenschappen, uitdagingen voor de toekomst. Sedimentologische Kring van het KNGMG, Delft, 2 December.
- van Weering, T.C.E. Particle flux in the Gollum Channel. Hermes Kick-Off Meeting, Rhodes, Greece, 3-9 April.
- van Weering, T.C.E. The dynamic continental margin: geo-biosphere coupling and exchange processes. NIOZ, 12 April
- van Weering, T.C.E., H.C de Stigter, H. de Haas & F. Mienis. Koudwaterkoralen in de diepzee. 25 jarig bestaan v/h Arctisch Genootschap, De Rijp, 19/20 November.
- Veldhuis, M.J.W. & J.P. Boon. Ballast water and (IMO) policy. Noordzeedagen NIOZ 13 - 14 October
- Veldhuis, M.J.W. & J.P. Boon. Ballast Water Test Facilities. Lloyds List Events, London, United Kingdom, 20 – 21 October.
- Veldhuis, M.J.W., J.P. Boon, F. Fuhr & C. ten Haller. Treatment of Ballast water: how to test a system with a modular concept. KVNR in association with Dutch Maritime Network. Putten, 31 March.
- Veldhuis, M.J.W. Measuring phytoplankton biodiversity at different time scales. NECOV-Ecology of aquatic microorganisms functional biodiversity in aquatic microorganisms. Yerseke, 20 December.
- Vézina, F., K.M. Jalvingh, A. Dekinga & T. Piersma. Red knots acclimate to cold through modulation of body mass. International Wader Study Group Conference, Cork, Ireland, 8 October
- Wakeham, S.G., I.F. Putnam, K.M. Arzayus, E. Hopmans, S. Schouten, J. Sinninghe Damsté, X. Lin & G.T. Taylor. Linking organic geochemistry and microbial ecology in the Black Sea. 22<sup>nd</sup> Intern. Meeting on Organic Geochemistry, Seville, Spain, 12-16 September.
- Wernand, M.R. The arcane colouring of natural waters, from Bacon to Raman. GIN meeting on modern methods in hyperspectral remote sensing & advances in image processing. Utrecht University, 22 April.
- Wernand, M.R. The history of ocean and coastal colour. Working group Light and Water, Institute for Environmental Studies, Vrije Universiteit, Amsterdam, 26 April.
- Werne, J., L.A. Powers, E.C. Hopmans, J.S. Sinninghe Damsté & S. Schouten. Archaeal membrane lipids in lakes. ASLO Summer Meeting, Santiago de Compostela, Spain, 19-24 June.
- Werne, J.P., T.W. Lyons, D.J. Hollander & J.S. Sinninghe Damsté. Pathways of diagenetic organic matter sulfurization and sedimentary sulfur cycling revealed through molecular sulfur isotope analysis. American Chemical Society Spring Meeting, San Diego, USA, 13-17 March.

Werne, J.P. The molecular isotopic signature of anaerobic methane oxidation. Gordon Research Conference on Chemical Oceanography, Tilton School, New Hampshire, USA, 7-12 August.

Winter, C., A. Smit, G.J. Herndl & M.G. Weinbauer. Linking bacterial richness with viral abundance and prokaryotic activity. ASLO meeting, Santiago de Compostela, Spain, 20-24 June.

## External professional functions

M.A. Baars

- Advisor Rijkswaterstaat project: Towards Remote Sensing Supported Monitoring of the North Sea (ToRSMoN, National Program GO).

R.P.M. Bak

- Professor Tropical Marine Biology, University of Amsterdam
- Editorial advisor Marine Ecology Progress Series
- Member Board Foundation for Scientific Research Surinam and the Netherlands Antilles
- Member Visitation Committee Wissenschaftsrat ZMT

M.J.N. Bergman

- Member ICES Working Group on Benthos Ecology
- Member ICES Working Group on Ecosystem Effects of Fishing Activities
- Member Raad van overleg voor het fysisch-oceanografisch onderzoek Noordzee - overleggroep Bodem

W. Boer

- Member of inter-laboratory validation group for normalisation of "Methoden voor de radiochemische bepaling van polonium-210 en lood-210" (NNI-NVN 5694)
- Member of the Nederlandse Werkgroep Deeltjeskarakterisering

J.P. Boon

- Member of the ICES Marine Chemistry Working Group
- Member "Commissie voor de Milieu-Effect Rapportage (CMER)"
- Member "Platform Wetenschapscommunicatie"
- Member of the POGO News & Information Group

G.-J.A. Brummer

- Coordinator Bilateral Cooperation Programme NWO-DFG "Divalent cations: development and validation of proxies"
- Advisory member ESF-EUROCLIMATE programme
- Member NWO/ALW 'Gebruikers-adviesgroep verankerde instrumentatie'

C.P.D. Brussaard

- Full Member of the SCOR Working Group 126 on the Role of Viruses in Marine Ecosystems.
- Member referee panel NWO GeoBiosphere.
- Organizer 4th Algal Virus Workshop, Amsterdam
- Board member NECOV Working Group Ecology of Aquatic Microorganisms.

G.C. Cadée

- Editor Journal of Sea Research
- Associate editor ICHNOS
- Board member 'Nederlands Vlaamse Kring van Diatomisten
- Associate editor Senckenbergiana Maritima

- Member Commissie voor de geschiedenis van de aardwetenschappen, KNAW
- Editorial board Natura, KNNV

#### C.J. Camphuysen

- Editor Atlantic Seabirds
- Member editorial board Marine Ornithology
- Editor Ardea
- Co-ordinator Dutch beached bird survey
- Database manager Marine Mammal Database and Club van Zeetrekwaarnemers
- Chairman European Seabirds at Sea database
- Member scientific committee Prestige Oil Spill, University A Coruña, Spain
- Member ICES Working Group Seabird Ecology

#### H.J.W. de Baar

- Professor of Chemical Oceanography, Dept. of Marine Biology, University of Groningen
- Associate editor Marine Chemistry
- Vice chair Scientific Steering Committee of CarboOcean Integrated Project, European Union Framework Program VI.
- Chairman, Netherlands SCOR Committee of Royal Academy of Sciences (KNAW)
- Chair, Users Advisory Group Nutrients, national Marine Research Facilities
- Chair ad interim, Scientific Steering Committee Netherlands-Bremen Oceanography (NEBROC)
- Member, Global Change Committee of Royal Netherlands Academy of Sciences (KNAW)
- Corresponding member, SCOR Working Group for the GEOTRACES International Initiative
- Member, meetings committee of the American Society for Limnology and Oceanography (ASLO)
- Member, Users Advisory Group, CTD systems, national Marine Research Facilities
- External adviser, BELCANTO (Belgian research Carbon uptake in the ANTArctic Ocean)
- Clare Hall College, Cambridge (Life member)

#### T.F. de Bruin

- Chair - Netherlands National Oceanographic Data Committee (NL-NODC)
- Chair - Joint SCAR/COMNAP Committee on Antarctic Data Management (JCADM)
- Co-Chair – International Polar Year (IPY) Data Policy and Management Subcommittee (IPY-SC on Data)
- IODE national coordinator for data management
- Member – ICES Working Group on Marine Data Management (ICES-WGMDM)

#### J.W. de Leeuw

- Member Board of European Association of Organic Geochemistry (EAOG)
- Member Editorial Advisory Board Organic Geochemistry
- Professorship in Geochemistry Univ. of Cataluna
- Member Royal Dutch Academy of Sciences (KNAW)
- Executive committee member Marine Board European Science Foundation (MB/ESF)
- Member CLIVARNET/Klimaatvariabiliteit committee NWO (till 1-8)
- Chair Science committee Hanse Wissenschaftskolleg Bremen
- Member Board Hanse Wissenschafts Kolleg
- Co-chair NETHERLANDS BREMEN OCEANOGRAPHY (NEBROC) board (till 1-7)
- Chair Partnership Observation of the Global Oceans (POGO)
- Chair Board IPO-LOICZ

- Member Scientific Committee Alfred Wegener Institut für Polar- und Meeresforschung
- Chair Club du Soleil (RAK/KNAW)
- Member Council Earth and Climate (RAK/KNAW)
- Member Programme Committee VLANEZO
- CoPI International Census of Marine Microbes (ICOMM)
- Chair Foundation “Zee in Zicht”

G.C.A. Duineveld

- Member ICES Benthos Ecology working group

E.H.G. Epping

- Editor Journal of Sea Research
- Chairman NWO/ALW ‘Gebruikers-adviesgroep Nutrienten’

A. Forster

- Corresponding member “Deutsche Subkommission für Kreide-Stratigraphie” (Cretaceous stratigraphic sub-commission Germany)

T. Gerkema

- Associate Member SCOR Working-Group 121 on Deep-ocean mixing.
- Organization of meetings

S.R. Gonzalez

- Member of Nederlandse Vereniging voor Stralingshygiëne
- Member of IRPA (International Radiation Protection Association)

U. Harlander,

- Co-organizer of session on "New aspects of theoretical Geophysical Fluid Dynamics".
- European Geosciences Union, Vienna, Austria, 24-29 April.

G.J. Herndl

- Professor of Biological Oceanography, Dept. of Marine Biology, Univ of Groningen
- Member of the IMBER/SOLAS working group on Carbon Research
- President of the Microbiology Section of the CIESM (Commission of the Scientific Exploration of the Mediterranean Sea)
- Appointed Reviewer for and Adviser to the Research Council of Norway for Terrestrial and Aquatic Microbial Ecology and Biotechnology (2000-2003, 2004-2007)
- Associate member of the SCOR working group 126: Role of viruses in marine ecosystems
- Associate Editor of Aquatic Microbial Ecology
- Associate Editor of P.S.Z.N.I: Marine Ecology
- Associate Editor of Limnology & Oceanography: Methods

J.H.F. Jansen

- Member NIOC (Netherlands Integrated Ocean Drilling Program Committee).
- Member Working Group INQUA Nederland.

W.C.M. Klein Breteler

- Member users group Quantimet (Image Analysis)

M.S.S. Lavaleye

- Member of the ICES Study Group on the North Sea Benthos Project.

H.J. Lindeboom

- Chairman Scientific Steering Committee LOICZ
- Member Scientific Committee for the IGBP

- Member Board of the Sir Allstair Hardy Foundation of Ocean Sciences
- Member ICES working Group 'Effects of Fisheries'
- Member 'Commissie voor Milieueffectrapportage'
- Board member 'Onderzoekschool Functionele Ecology'
- Member Steering Committee WOTRO project 'Rivers and coastal zones'
- Member Steering Committee and working group Indonesian-Dutch Cooperative Research on Integrated Coastal Zone Management, Teluk Banten
- SYKON Advisory Committee, Hamburg, Germany
- Member 'MER workinggroup 'Winning van beton- en metselzand op de Noordzee'
- Member Scientific Committee 'North Sea 2000', 13th International Senckenberg conference
- Member organizing committee IGBP-science conference, Amsterdam 2001
- Member Editorial Board 'Archive of Fishery and Marine Research'
- Member International Steering Committee International Advanced School 'Leonardo da Vinci', Bologna

#### L.R.M. Maas

- Co-promotor thesis Guido Terra, Universiteit van Amsterdam, 27 October

#### S. Ober

- Member overleg-groep 'waarnemen en interpreteren', Raad van overleg fysisch-oceanografisch onderzoek Noordzee'

#### C.J.M. Philippart

- Editor-in-chief Journal of Sea Research
- Lecturer Marine Biology Course, IBED UVA, Amsterdam.
- Lecturer Sedimentology Course, University of Utrecht, Utrecht.
- Member 'Beoordelingscommissie Geo- en Biosfeer', ALW
- Member "Commissie MER" working group "Aardgaswinning Waddenzeegebied vanaf lokaties Moddergat, Lauwersoog en Vierhuizen"
- Member "Commissie MER" working group "PKB Derde nota Waddenzee"
- Chair of the Climate Change Working Group of the Marine Board of the European Science Foundation
- Chair of the Evaluation Panel of Long-term Monitoring of the Marine Environmental Change Network

#### T. Piersma

- Professor in Animal Ecology at the Centre for Ecological and Evolutionary Studies at the University of Groningen
- Vice-chairperson of the International Wader Study Group
- Chairman of the Biologysk Wurkferbân of Fryske Akademy, Ljouwert
- Editor of Journal of Avian Biology
- Member Editorial Board Current Ornithology, Plenum Press, New York
- Editorial board of Journal of Ornithology
- Board member of the Centre for African Wetlands, University of Ghana, Accra, Ghana
- Member Audit Committee Research component Nederland-Gruttoland, Vogelbescherming
- Member of Committee of Experts for vereniging Natuurmonumenten
- Member of Board It Fryske Gea

#### J. Reneerkens

- Editor Limosa

#### H. Ridderinkhof

- Member 'VENI selectie commissie ALW-NWO'
- Member 'Beleidsadviescommissie Aardwetenschappen ALW - NWO'
- Member 'Programma commissie NCK'
- Member 'NWO committee Marine Research Facilities'
- Member 'Raad voor Aarde en Klimaat (RAK – KNAW)'
- Member 'commissie Milieu Effect Rapportage (MER)'

#### M.J. Rietveld

- Chair International research Ship Operators Meeting' (ISOM)
- Member Ocean Facilities Exchange Group (OFEG)
- Member European Research vessel Operators (ERVO)
- Member ESF Marine Board Ocean Research Fleets Working Group (OFWG)
- Member POGO Working Group Research Vessels and Cruises Database
- Member Interdepartementaal Overleg Zeegaande Vaartuigen (IOZV)

#### S. Schouten

- Associate editor Organic Geochemistry
- Member of the editorial board of Geology
- Member of the steering committee International Census of Marine Microbes

#### J.S. Sinninghe Damsté

- Part time professor University of Utrecht, Faculty of Geosciences
- Member of the Royal Dutch Academy of Science (KNAW)
- Member of the scientific steering committee of the Darwin Centre for Biogeology
- Member of the Science Committee of the NIOO
- Member of the VICI selection committee of ALW-NWO
- Member of the equipment committee of ALW-NWO
- Associate editor Geology.

#### C.C. Ten Hallers-Tjabbes

- Advisor to IUCN for the London Convention 1972
- Advisor to IUCN for the International Maritime Organization, London (IMO)
- Advisor to IUCN for the Globallast UNDP-IMO-GEF Global Programme
- IUCN Representative for the Marine Environment Protection Committee of the IMO
- Advisor Netherlands Delegation Ballast Water Workgroup, IMO
- Lady Chairman Animal Navigation Group, Royal Institute of Navigation, London, UK

#### K.R. Timmermans

- Member Board Working Group Aquatic Ecology (Nederlands-Vlaamse vereniging voor Ecology (NECOV)).

#### H.M. van Aken

- Member ICES Oceanography Committee
- Member ICES Working Group on Oceanic Hydrography
- Chairman ALW "gebruikersadviesgroep CTD-systemen"
- Member "ALW Apparatuurcommissie"
- Member OCEANSITES International Time Series Science Team

M.A. van Arkel

- Member Working group 'Monitoring rond Mijnbouwinstallaties'

P. van den Hout

- Secretary Nederlandse Ornithologische Unie

S.J. van der Gaast

- Member editorial board of Applied Clay Science
- Member of the XRPD group of the NKV (Ned. Kristallografische Ver.)

H. van Haren

- Member editorial board Journal of Sea Research.
- Topic editor Ocean Science.
- Chairman "ALW gebruikersadviesgroep Verankerde Instrumentatie".
- External examiner PhD-thesis Rune Yttervik, NTNU Trondheim, Norway

J. van der Meer

- Member of the Science Advisory Board SOVON (Co-operative Ornithological Field Research in the Netherlands)
- Honorary Research Fellow of the School of Biological Sciences, University of Aberdeen

H.W. van der Veer

- Associate professor of Zoology, North Carolina State University, Raleigh, USA
- Adjunct associate professor of Marine Science, University of South Carolina, Columbia, USA
- Member of the ICES Working Group on Recruitment Processes.
- Member Organizing Committee 6th International Symposium on Flatfish Ecology, Kyoto, Japan
- Guest editor Proceedings 6th International Symposium on Flatfish Ecology
- Member Organizing Committee 7th International Symposium on Flatfish Ecology, Lisbon, Portugal
- Guest editor special volume J.Sea Res. DEBIB project (Dynamic Energy Budgets In Bivalves)

F.C. van Duyl

- Board member Treub-mij
- Member European Scientific Diving Committee
- Appointed Reviewer for the International Science Foundation (IFS)
- Appointed Reviewer Marine Ecology Progress Series

T.C.E. van Weering

- Member Editorial Board of Marine Geology
- Member Editorial Board Boreas
- Member Editorial Board International Journal of Earth Sciences/Geol.Rundschau
- Guest Editor Special issue of JASES Red River Delta
- Professor Paleoceanography Free University, Amsterdam
- Chairman GAG Bodem systemen en seismiek (NWO/ALW)
- Lid commissie Mariene Faciliteiten(NWO/ALW)
- Lid commissie Toekomst Pelagia (NIOZ)
- Lid commissie "East Kalimantan Programme for Coastal Zone Research Netherlands/ Indonesia" (NWO/KNAW)
- Lid beoordelingscommissie Promotiebeurzen IWT, Brussel
- Adjunct Professor Marine Geosciences International University of Bremen

M.J.W. Veldhuis

- Member Marine Biology Research
- Member flow cytometer working group NL
- Associate member SCOR working group 120: Phaeocystis
- Member ICES/IOC/IMO Working Group on Ballast Water and other Ship Vectors (WGBOSV)
- Member ICES/IOC/IMO Working Group on Introduction and Transfer of Marine Organisms
- Guest editor Journal of Sea Research special volume IRONAGES
- Guest editor Harmful Algae: special volume on Phaeocystis

G.J.M. Versteegh

- Fellow of the Hanse Wissenschaftskolleg Delmenhorst, Germany
- Board member European Graduate College EUROPROX. Joint educational cooperation of Universities of Bremen, Utrecht and Free University, Amsterdam
- Associated Scientist. Faculty of Geosciences, section Historical Geology and Palaeontology. Bremen University

C. Veth

- Member Working group Joint Ocean Global Flux Study NWO/GOA
- Member Editorial Board of Oceanologica Acta

J.T.F. Zimmerman

- Professor Physical Oceanography, Utrecht University

## Meetings

NCK summerschool. 27 June – 8 July. (H. Ridderinkhof)

Annual meeting ICES Working Group for Seabird Ecology, 28 March – 1 April.

Meeting of the European Seabirds at Sea Database co-ordinating group, 1 April – 3 April

Nederlands-Vlaamse Kring van Diatomisten (NVKD), studiedag, 20-21 mei.

EU Strataform WP 2 Canyons Meeting, Lisbon, 2-4 March.(T.C.E.van Weering)

NIOOP-2 preparatory meeting, VU-Amsterdam, 21 January.(G.J. Brummer)

VAMOC kick-off meeting, VU-Amsterdam, 12-13 May.(G.J. Brummer)

NIOOP-2 preparatory meeting, VU-Amsterdam, 19 May.(G.J. Brummer)

Workshop “905”, VU-Amsterdam, 12-13 June.(G.J. Brummer)

VAMOC/ORMEN meeting, VU-Amsterdam, 10-11 October.(G.J. Brummer)

First Annual Meeting of CARBOOCEAN Integrated Project, held at Royal Academy Building TrippenHuis, Amsterdam, 22-24 November, 110 participants; local organizers Josje Snoek & Hein de Baar

Noordzeedagen, organized by NIOZ & Alterra Texel, 13 & 14 October (organizing committee: J.E. Meulenkamp, H.J. Lindeboom & J.P. Boon)

## Courses

Course “Introduction to Oceanography” (RUG). Contact person Prof. dr. ir. H.J.W. de Baar.

The course Introduction to Oceanography is part of the Marine Biology curriculum at the University of

Groningen and was attended by 28 students of five nationalities. Upon workshop style lectures mostly by the students themselves in Groningen, the practical part was held at Royal NIOZ from 21 March through 1 April. The course was set up in two Themes resulting in four final presentations, see below. The students very much enjoyed the integration approach in these Themes. The activities, efforts, results and interpretations nicely merged at the final day in a suite of concerted powerpoint presentations by the students. Several NIOZ technicians, ships crew and scientists were actively involved throughout.

### 1) Sea-going research:

A) Estuarine mixing in the field: The “open” Wadden Sea is exchanging at one side via the deep Marsdiep channel with the southern North Sea, and at the other side until 1931 was exchanging freely with the Zuyderzee (“Eens ging de zee hier tekeer maar die tijd komt niet weer”). It is generally considered an estuary dominated by the tidal cycle. However the artificial Afsluitdijk dam with sluices is now regulating the fresh water inflow from rivers via the stagnant IJsselmeer. This is very different from a simple estuary of one single river flowing continuously into the sea. Moreover the system is further complicated by the eastward extension with increasingly shallow tidal flats all the way up to southern Denmark, and including a suite of barrier islands as well as several more rivers (Ems, Weser, Elbe) and their estuaries (Ems/Dollard). Overall the system is much more complex and dynamic than a simple one river estuary. Nevertheless the research theme “Wadden Sea Hydrography” is designed largely by pretending such simplicity by using the salinity as the backbone in the concept of linear mixing between one fresh water end-member (Den Oever) and one seawater end-member (the coastal North Sea).

During processing of the data one has to be alert about deviations due to the greater complexity of the Wadden Sea, to be mentioned at the final presentations. The dominance of mixing along salinity gradients is the background to be realized at all times while considering the interaction of trace constituents, both metals and organic contaminants, with the biota.

- B) Estuarine mixing in the laboratory: In the case of iron, manganese and DOM, it has been shown in other estuaries that dissolved iron is almost completely removed during estuarine mixing, that manganese can show anything between conservative and non-conservative behavior, and that DOM behaves almost conservative. The Wadden Sea is a very complex system and also depending for mixing with fresh water on the opening of the sluices in Den Oever. To demonstrate any of the above processes mixing will also be simulated in the laboratory. This is done with a twofold purpose, first as an alternative if there is no salinity gradient found, secondly to show estuarine mixing under controlled conditions. In the field, nature is not always behaving according to the books...
- C) Sea-going research: estuarine primary production. The NIOZ has a long tradition of *chlorophyll a* monitoring in the Marsdiep. These data are for example used to understand the link between nutrient regimes, Secchi-visibility (light regime) and chlorophyll *a* (phytoplankton biomass). During this course chlorophyll *a* will be measured in relation to the disturbance of conservative mixing of different oceanic chemicals. Growth of phytoplankton changes conservative mixing in non-conservative mixing because phytoplankton uses and produces these chemicals. This subject will concentrate on how and which of the measured chemicals are influenced by primary production and how this disturbs the conservative mixing.

## II) Contaminants and optics:

Numerous organic contaminants have been introduced by mankind into the environment. Among these there are several quite toxic entities. There is a strong tradition at NIOZ for study of the toxic Polychlorobiphenyls (PCB's), some pesticides as well as the Polyaromatic Hydrocarbons (PAH's). The distribution of these various molecules over different compartments (water, sediment, organic tissue and fat) of the ecosystem is significant for their toxicity to biota.

The light climate in the sea is affected not only by the seawater itself but also by dissolved organic chromophores, by plankton particles as well as by mineral particles such as sand and clay. The resulting light climate defines the Photosynthetically Available Radiation (PAR) which is the ultimate driver for photosynthesis in the sea, i.e. the base of the complete marine food web and ecosystem.

## **Course marine ecosystems (RUG), 7-30 June**

During the first week lectures were given at the University of Groningen (RUG) on the composition and regulation of pelagic and benthic food webs in the different ecological provinces of the world's seas and oceans in general and the North Sea in particular. The second and the third week were devoted to practical work performed at NIOZ in the BIO and MEE departments. The 24 students were distributed over 9 different topics. Some of the topics were more lab-oriented, whereas others involved more extensive field work. The program comprised research on the metabolism of selected benthic organisms and pelagic communities. Sampling was performed in the North Sea and the Wadden Sea with the R/V *Navicula*. Oral presentations on the underlying research questions, the methods used and a thorough discussion of the results were given by each group at the end of the course. Contact persons Prof. Dr. G.J. Herndl ([herndl@nioz.nl](mailto:herndl@nioz.nl)) & Dr. J. van der Meer ([meer@nioz.nl](mailto:meer@nioz.nl)).

## **Introductory course in Marine Biology for Utrecht University, 31 October - 4 November**

In this course, organized by the NIOZ departments BIO and MEE, the students were introduced to the fauna and flora of the intertidal and subtidal sediments and the water column of the Wadden Sea. Simple laboratory experiments on the metabolic activity of selected organisms were also performed. At the end of the course, the students presented their work in brief lectures followed by a general discussion. Contact person Prof. Dr. G.J. Herndl ([herndl@nioz.nl](mailto:herndl@nioz.nl)).

## Colloquia

- 13 January. Paul del Giorgio (UQAM-Montreal, Canada). The measurement of bacterioplankton respiration and growth efficiency: problems and patterns across aquatic systems.
- 20 January. Frederic Gazeau (NIOO, Yerseke). Metabolism of coastal ecosystems: from the local scale (Randers Fjord, Palma Bay and Scheldt estuary) to the European scale.
- 27 January. Johan van de Koppel (NIOO, Yerseke). Self-organization and vegetation collapse in salt-marsh ecosystems.
- 3 February. Cornelia Wuchter (NIOZ-MBT). Temperature adaptation of marine crenarchaeotal membrane lipids: an approach to reconstruct sea surface temperature.
- 10 February. Marcel Wernand (NIOZ-FYS). The arcane colouring of natural waters; from Bacon to Raman.
- 24 February. Martien Baars (NIOZ-BIO). The usefulness of a wasted enzyme: free chitinase as tool to measure the in situ copepod production without catching copepods.
- 3 March. Katja Philippart (NIOZ-MEE). Climate-induced effects on the reproduction of marine benthic invertebrates.
- 10 March. Guido Terra (NIOZ-FYS). Nonlinear tidal dynamics, a chaotic tide?
- 24 March. Gesine Mollenhauer (NIOZ-MBT). Controls on the age of marine Organic matter: applications of compound-specific radiocarbon dating.
- 20 April. Cindy Clark (Scripps Institution of Oceanography). Navigating the World through Communications: A Scripps Institution of Oceanography Perspective.
- 21 April. Marcel Veldhuis (NIOZ-BIO). Invasive marine species and ballast water management
- 12 May. Pieter Honkoop (NIOZ-MEE). Energy acquisition by bivalves, adaptations in a changing world
- 9 June. Bert Schreuder (Salm en Kipp). How to remove the hidden costs of sample management
- 16 June. Lucas Merckelbach (National Oceanography Centre-Southampton). A model for high-frequency acoustic Doppler profiler backscatter from suspended sediment in strong currents
- 30 June. Lydie Herfort (NIOZ-MBT). Ecology of Marine Archaea in the North Sea
- 15 September. Jeroen Reneerkens (NIOZ-MEE). Functional aspects of seasonal changes in preen wax composition in shorebirds.

- 20 September. Ashley Rowden (NIWA, New Zealand). From bouncing above the North Sea to bumping along the bottom of the South Pacific.
- 21 September. John Volkman (CSIRO, Australia). Finfish aquaculture in southern Australia: effects on benthos and phytoplankton.
- 23 September. Michael Moldowan (Stanford Univ., USA). Age-related and taxon specific biomarkers as they apply to ancient sediments and petroleum.
- 29 September. Jan van Gils (NIOZ-MEE). Prey populations in danger: burying depth as a behavioural indicator of fitness prospects in *Macoma balthica*.
- 3 October. Mark Bertness (Brown Univ., USA). Why experimental community ecology matters to conservation biology
- 5 October. Bouwe Kuipers (retirement, NIOZ-BIO). What a bacterial bioassay tells about the future of the Wadden Sea.
- 20 October. Wouter Vahl (NIOZ-MEE). Studying competition among foraging waders: an experimental and theoretical approach.
- 27 October. Jens Zinke (VU, Amsterdam). Atmosphere-ocean dynamics in the western Indian Ocean recorded in corals.
- 3 November. Gert-Jan Reichart (UU, Utrecht). Trace metal incorporation in biogenic calcite and application as environmental proxy.
- 10 November. Ruud Kampf (Waterboard Hollands Noorderkwartier). Food-chain approach in re-use of treated waste water.
- 17 November. Rob Dekker (NIOZ, MEE). Recent changes in Wadden Sea macrozoobenthos.
- 24 November. Geert-Jan Brummer ( NIOZ, MCG). What, if anything, are proxies for ocean-climate history?
- 1 December. Maarten Buijsman ( NIOZ-FYS). Ferry observations of currents and bedforms in the Marsdiep tidal inlet.
- 16 December. Kate Darling (Univ. Edinburg, UK). Quaternary climate instability as the driver of genetic diversification in high latitude planktonic foraminifers.

