



ANNUAL REPORT

2014
Supplement



ROYAL NETHERLANDS INSTITUTE FOR SEA RESEARCH

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Peer-reviewed articles

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- Boon, J. (2014). Gesleep met organismen over de wereldzeeën. *Cah. Bio.- Wet. Maatsch. kwartaal 2*: 72-73.
- Brussaard, C.P.D. (2014). Mariene virussen. *Cah. Bio.- Wet. Maatsch. kwartaal 2*: 49-53.
- Lavaleye, M.S.S. (2014). Extreme habitats. *Cah. Bio.- Wet. Maatsch. kwartaal 2*: 43-48.
- Maas, L.R.M. (2014). Golven in de diepzee. *Cah. Bio.- Wet. Maatsch. kwartaal 2*: 28-33.
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List of staffmember thats were employed in 2014

DIR

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Biggs, Tristan
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Bown, Johann
Brussaard, Corina
Clargo, Niki
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Peperzak, Louis
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Schilling, Jack
Visser de, Jan-Dirk
Wuis, Leon

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Alkema, Peter-Roy
Boon, Wim-Jan
Breejen den, Iwan
Coomans, Peter
Daalder, Klaas-Jan
Ellen, John
Feij, Bram
Fockema Andreae, Alle
Haaren van, Joep
Heesemans, Martijn

Heide van der, Roel
Hiemstra, Fred
Jourdan, Mildred
Katwijk van, Rik
Kuijt, Pieter
Lips, Sietske
Maas, Sjaak
Moerland, Leon
Puijman, Bert
Seepma, Jaap
Stevens, Cor
Vermeulen, Gert
Vries de, Hein
Vries de, Martin
Zuidweg, Johan

DIR

Blaauboer - Jong de, Carmen
Brink, Richard
Brinkhuis, Henk
Kraanen - Witte, Frida
Lindeboom, Han
Raad de, Ingrid
Ridderinkhof, Herman
Slooten van, Cees
Stapel, Johan
Vos de, Arjen
Watmough, Thalia
Ponsoni, Leandro

BGC

Baas, Marianne
Bale, Nicole
Balzano, Sergio
Bar de, Marijke
Besseling, Marc
Bommel van, Ronald
Booij, Kees
Chivall, David

Donkers, Kevin
Dorhout, Denise
Heinzelmann, Sandra
Hopmans, Ellen
Jonge de, Cindy
Kandiano, Evgenia
Kasper, Sebastian
Kim, Jung
Kool, Dorien
Lima Sobrinho de, Rodrigo
Lipsewers, Yvon
Meer van der, Marcel
Mets, Anhelique
Moore, Eli
Ossebaar, Jort
Panoto, Elda
Rampen, Sebastiaan
Reiche, Sophie
Rijpstra, Irene
Schouten, Stefan
Sinke - Schoen, Danielle
Sinninghe Damsté, Jaap
Soelen van, Els
Sollai, Martina
Svensson, Elisabeth
Verweij, Monique
Villanueva Alvarez, Laura
Warden, Lisa

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Biggs, Tristan
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Stevens, Cor
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Vries de, Martin
Zuidweg, Johan

Colloquia

- 15 January. **Sabine Gollner** (*Senckenberg Institute Wilhelmshaven*). Volcanoes of the deep - destruction and recovery of hydrothermal vent communities after natural and human induced disturbances.
- 30 January. **Douwe Maat (NIOZ, BIO)**. Ecophysiological aspects of algal virus-host interactions in a changing ocean.
- 5 February. **Jasper Donkers** (*Utrecht University*) The influence of mussel beds on hydrodynamics.
- 6 February. **Kees van Zandwijk** (*Heerema Contractors*). Aegir: a new deep-sea exploration vessel.
- 13 February. **Micha Rijkenberg** (NIO GCO). Finding a needle in a haystack: looking for iron in the western Atlantic Ocean, the Mediterranean Sea and the Black Sea.
- 20 February. **Marc Lavalije** (NIOZ, MEE). Baited experiments in the deep-sea.
- 27 February. **Maarten Kleinhans** (*Utrecht University*). River and delta morphodynamics.
- 6 March. **Johan van Heerwaarden & Walther Lenting** (NIOZ, MTI and MTE). KM3Net, Temperature calibration bath and LabVIEW.
- 13 March. **Mark Bertness** (*Brown University*). Is salt marsh die-off a deterministic state in a predator depleted ocean?
- 27 March. **Lesley Salt** (NIOZ, BIO). Process studies of the carbonate system in coastal and ocean environments of the Atlantic Ocean.
- 10 April. **Raja Ganeshram** (*University of Edinburgh*). What controls Si limitation in the ocean: the Fe connection.
- 11 April. **Claudia Zell** (NIOZ, BGC). Climate history derived from fatty acids.
- 17 April. **Sabine Lengger** (University of Bristol). Toxicity effects and profiling of oil derived compounds in aquatic environments.
- 24 April. **Jennifer Durden** (*NOC Southampton*). Life and life traces on the abyssal plain.
- 7 May. **David Thieltges & Jan van Gils** (NIOZ, MEE) Crossing borders - from temporary to permanent positions and from predators to parasites.
- 15 May. **Catarina Ferreira da Silva (NIOZ, BIO)**. Oxygen concentration affects Coral calcification.
- 22 May. **Ann Vanreusel** (*Gent University*). An integrative approach of meiofauna research in reduced environments of the deep sea.
- 28 May. **Sven Ihnken** (NIOZ, MM). CO₂, light, and photosynthesis - how algae deal with ocean acidification.
- 12 June. **Kristina Mojica** (NIOZ, BIO). Vertical stratification - consequences for marine phytoplankton and food web dynamics.
- 19 June. **Frans Brouwer** (NIOZ, FCC). Planning & Control bij het NIOZ - the next level.
- 26 June. **Andy Kwarteng** (*Sultan Qaboos University, Oman*). Barr Al-Hikman: a modern carbonate-evaporite system and outcrop analogue in Oman.
- 27 June. **Kenneth Rijdsijk** (*Naturalis*) and **Carol Cotteril** (*British Antarctic Survey*). Sea level change forcing evolution? Towards and interdisciplinary approach.
- 2 July. **Johan Stapel** (CNSI). The new Caribbean Netherlands Science Institute.
- 3 July. **Katja Guilini** (*Gent University*). Video observations and sedimentology of the deep-sea floor.
- 12 September. **Walter Munk** (*Scripps Institute of Oceanography*). A late drift of a physical oceanographer into ocean acoustics.
- 18 September. **Sofia Saraiva** (NIOZ, MEE). Modelling bivalves in estuaries and coastal areas.
- 30 October. **Henk Bolhuis** (NIOZ, YMM). Systems microbiology of coastal microbial mats.
- 6 November. **Piet Ruardij** (NIOZ, BIO) Modelling coastal ecosystems: consequences of increasing spatial resolution for process descriptions.
- 20 November. **Andreas Sterl** (KNMI). Argo: achievements and developments.
- 27 November. **Henry Hooghiemstra** (*University of Amsterdam*). The continental pollen signal in offshore NW-African marine sediments: sources, transport, sinks, and Pleistocene vegetation change.
- 4 December. **Lars Lund-Hansen** (*Aarhus University*). Removal of snow cover inhibits spring growth of Arctic ice algae through physiological and behavioral effects.
- 10 December. **Jorg Overmann** (*L-M University Munich*). Decoding ecological niches and biotic interactions of bacteria in the environment.

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11 December. **Catarina Leote** (NIOZ, GCO). Phosphorus recycling and availability in the western Wadden Sea.

16 December. **Ulf Gräwe** (IOW Warnemünde). From the North Atlantic to the residual circulation in the Wadden Sea - a multi-nested model approach.

18 December. **Sjoerd Duijns** (NIOZ, MEE). Sex-specific foraging: the distributional ecology of a polychaete-eating shorebird.

Courses held at NIOZ or organised elsewhere by NIOZ staff

BSc/MSc-course "N-isotope systems". In collaboration with Jacobs University, Bremen (November). Contact person G.J.A. Brummer.

BSc-course Marine Biology & Oceanography, Univ. Groningen, contact person prof. dr. K.R. Timmermans, 3 weeks April. BSc-course 'Marine Biology & Oceanography', Univ. Groningen (RUG). Two week practical at NIOZ.

Global Change and Coastal Hazard Mitigation, Annual MSc course at the University of Antwerp, co-organizer, T.J. Bouma in collaboration with Prof. S. Temmerman.

Inferring diet information from stable isotope data using isotope mixing models. D. van Oevelen led a 2 day workshop for an international group of 30 PhD students and post-docs, Ghent University, 25-26 March. Course organizer: Marleen de Troch.

M.Sc.-course MarineMasters: How does the sea work: 2 weeks July, contact person dr. H. de Stigter.

M.Sc.-course Microbial Ecology, Univ. Amsterdam (UvA). Contact person prof. dr. C.P.D. Brussaard

Marine Microbiology for 'Marine Sciences-3 course', Univ. Utrecht. Contact person prof. dr. A. Sluijs.

Marine Sciences II: Sandy and Muddy Shores. Gollner, S. Utrecht University, September 29-30, 2 October. Student course including lectures, excursion to Zandmotor, and laboratory work on meiofauna; ~70 students.

Marine Sciences III: Deep-sea biology and hydrothermal vents. Gollner, S., Utrecht University, 8-9 December. Student course including lectures and werkcollege; ~60 students.

MSc-course "Biogeochemical Cycling". In collaboration with VU-Amsterdam. Contact person G.J.A. Brummer.

NIOZ Marine Masters course "Exploring the western Wadden Sea". Contact persons dr. H.C. de Stigter, prof. dr. H. Ridderinkhof

PhD-course "How to give a good talk", L. Villanueva, 4 November.

PhD-course "How to write a scientific paper". Contact person G.J.A. Brummer.

Spatial Ecology course for PhD students, Dorwerth, 16-20 March. Main organized: van de Koppel, J. Course organized under the auspices of the Graduate School for Production Ecology and Resource Conservation (PE&RC).

SCOPE OF THE COURSE

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Including space in ecological studies has become increasingly important in the past decades. Recent studies reveal that ecological processes can generate striking spatial complexity and that the movement and distribution of organisms interact with spatial environmental patterns. This course focuses on concepts such as spatial self-organization, scale-free movement, and biophysical interactions at multiple scales. Furthermore, modern techniques to quantify plant and animal movement, analyze animal movement strategies, and model the implications of spatial self-organization in an ecosystem using a relatively simple modelling approach will be introduced.

Cruise Reports

Bale, N.J. (2014). Cruise report HCC cruise: R/V Pelagia 64PE393, 26th August – 21st September 2014 . NIOZ: Texel. 77 pp.

Duyl, F.C. van (2014). Spatial and species specific variations in the diet of sponges Preliminary results 3.1. Sponges, macro algae and nutrients, *in*: van Beek, I.J.M. *et al. Saba Bank research expedition 2013 - Progress Report*. pp. 11-14.

Haren, H. van (2014). Cruise report KM3NeT14: R/V Pelagia cruise 64PE389, 06-11 June 2014. NIOZ: Texel. 21 pp.

Kromkamp, J.C. (2014). Shipboard rapport RWS-Zirfaea cruise 17-19 juni 2014. NIOZ: Yerseke. 12 pp.

Finalized data sets

Bakker, K. Data from the expedition ARK-XXVII/3, <http://doi.pangaea.de/10.1594/PANGAEA.834081>

Bakker, K. Data from the expedition ARK-XXVII/3, <http://doi.pangaea.de/10.1594/PANGAEA.834084>

External functions

P. van Avesaath

Working Group Leader of the ESF COST Action EMBOS European Marine Biodiversity Observatory System

Representative of NIOZ as grant holder of the ESF COST Action EMBOS European Marine Biodiversity Observatory System

Co-founder of the MarBEF+ Association under Dutch Law, with its seat at NIOZ.

H. Bolhuis

External Examiner Hogeschool Zeeland, University of applied sciences.

K. Booij

Member of the ICES Marine Chemistry Working Group.

T. Bouma

Co-organizer HYTECH PhD-summerschool, Lyon

NIOZ project leader Be Safe project

NIOZ project leader HYTECH

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NIOZ project leader Yellow River Delta project
NIOZ project leader Pilot study sediment dynamics
Honorary Professor at the Groningen University
Hired for scientific quality control at HZ University of applied sciences
PhD opponent Jantsje M. van Loon-Steensma, Wageningen University, 8 October
PhD opponent Chen Wang, University of Antwerp, Belgium, 21 October.

H. Brinkhuis
Chairman LPP Foundation
Board member Molengraaff fonds
Member of the ERICON-AB Science Advisory Panel (2010 -)
Member Sci Com Waddenacademie
Chair of The Netherlands IODP commission
Member Scientific Committees International Paleogene Climate conferences 2001-current
Voting-member of various IUGS commissions on Palaeogene stratigraphy
Co-director of the Urbino Summerschool in Palaeoclimatology (USSP)
Guest-Lecturer University of Urbino, Southampton Oceanography Centre, University of California at Santa Cruz, Bremen University
Member Editorial Board Marine Micropaleontology
Member Editorial Board Journal of Micropaleontology
Member Editorial Board The Netherlands Journal of Earth Sciences
Member Editorial Board Bolletino della Societa Geologica Italiana
Member Editorial Board EGU Climate of the Past.

T. F. de Bruin
Chair - Netherlands National Oceanographic Data Committee (NL-NODC)
IODE national coordinator for data management
Chair - Workshop on ICES Data Guidelines (WKIDG)
Member – ICES Working Group on Data and Information Management (ICES-WGDIM)
Member - OceanSITES Data Management Team
Member - Steering Committee of the Marine Metadata Interoperability (MMI) project
Member - Southern Ocean Observing System (SOOS) Data Management Sub-Committee
Member – SCAR Standing Committee on Antarctic Data Management (SCADM)
Member Advisory Group Norwegian Marine Data Centre (NMDC) project.

G.-J.A. Brummer
Extraordinary Professor at the VU University Amsterdam
Member NWO-ALW Open Round proposal-review committee
Member NWO-ALW gebruikersadviesgroep verankerde instrumentatie (GAG-VI)
Member organizing committee “Foraminifera and nannofossils through time; qualification and quantification”, The Micropaleontological Society, Foraminifera and Nannofossil Groups Joint Meeting 2014, 22-25 June.

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C.P.D. Brussaard

President of the International Society for Viruses of Microorganisms (ISVM) from October 2014
Vice President of the International Society for Viruses of Microorganisms (ISVM) till October 2014
Secretary of the Scientific Committee on Oceanic Research (SCOR) from October 2014
Vice President of the Scientific Committee on Oceanic Research (SCOR) till October 2014
Editor FEMS Microbiology Reviews
Member Netherlands Polar Committee
Member Raad Aard- en Levenswetenschappen KNAW
National member of the International Association for Biological Oceanography (IABO)
Chair of Dutch SCOR Committee
Chair Steering Committee of the Aquatic Virus Workshop (AVW)
Editorial Board Position Member of the Phycological Society of America
Editor Communicative & Integrative Biology.

G.C. Cadée

Editor Natura (KNNV)
Associate editor ICHNOS
Bestuurslid Historie van de Oceanografie Club (HOC).

C.J. Camphuysen

Elected board member and European representative in the World Seabird Union (2013-)
Co-organiser of the World Seabird Group Conference, Cape Town (2015)
Member scientific Committee of the World Seabird Group Conference, Cape Town (2015)
Member editorial board ICES Journal of Marine Science, 2013-present
Member editorial board, Ardea 1996-2005, 2014-present
Member editorial board Seabird, 2010-present
Scientific advice, Ministry of Transport and Public Works (oil pollution)
Principal investigator and chief scientist Programme Biodiversité Oil et Gaz, IMROP, Nouadhibou, Mauritania, 2012-present
Member of the ICES working group on Seabird Ecology (until 2014)
Member of the ICES working group WKMEDS II - impacts of seabird predation on discard survival task group (2014-present).

F.C. van Duyl

Board Member Treub MIJ
Appointed reviewer International Foundation for Science (IFS)
Board Member AcroporaNet
Dutch representative Marine Board European Scientific Diving Panel.

V. Escaravage

Member of the advisory committee 'Management and development of modelling tools for the monitoring of water quality' (Deltares)
Member of the Steering Committee Pulse trawling (ministry of economic affairs).

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T. Gerkema

Member of NCK Program Comitee.

L.J.A. Gerringa

Member of NPC - Netherlands Polar Committee.

J. Greinert

Guest professor in Marine Geology, Ghent University, Belgium.

H. de Haas

Member NWO-ALW gebruikersadviesgroep bodembemonsteringssystemen en seismiek (GAG-BSS).

J.J.M. van Haren

Member Institutional Board ANTARES neutrino telescope

Member Strategic Board cubic kilometer neutrino telescope KM3NeT-PP/SC

Chairman "ALW gebruikersadviesgroep Verankerde Instrumentatie"

Chairman "ALW-GAGvoorzittersplus"

Professeur Invité, École Centrale de Lyon, France, 12 May – 4 June.

S. Heinzelmann

Discussion leader at Gordon Research Conference on Marine Microbes, Sacramento, USA, 8 -13 June.

P.M.J. Herman

Honorary Professor at Radboud University Nijmegen

Member CMW (Commissie Monitoring Westerschelde)

Member NWO/SRON User commission

Member Scientific Advisory Board Ifremer

Member science advisory commission INBO, Brussel

Member expert advisory commission Lifewatch, VLIZ, Ostend

Member of the advisory board VLIZ, Ostend

Advisor for visitation IWWR, Nijmegen

Member of the steering committee modeling HPP at the Vlaams-Nederlandse Schelde Commissie

Member science advisory commission Mosselwad (Waddenfonds project)

Promotor doctoral thesis of Christian Schwarz, Lucy Gwen Gillis, Laura Govers at Radboud University

Member of the manuscript committee and promotion committee of Miguel de Lucas (Delft University of Technology), Eric Horstman (University of Twente), Els van der Zee (Groningen University), Peter Paalvast (Radboud University)

Member of the external international advisory committee for the project EGIPUS of the Flemish government (verdieping/aanpassing Zeeschelde)

Member programme committee NCK (Nederlands Centrum Kustonderzoek)

Member of the writing team for the project BONUS-Noordzee

Member of the writing team EASAC sustainable marine exploitation

Member of the organizing committee Noordzeedagen

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Member of the Scientific Board and convener ecology conference 'Deltas in times of climate change'
Member 'EU-Noordzee-kernteam' for consultation Rijkswaterstaat-research institutions
Reviewer for Delta program Southwest Delta, participant consultation review national Delta Programme
External reviewer of report on "effecten garnalenvisserij" Wadden academy.

H. Hummel

Professor in Estuarine Ecophysiology, Institute of Oceanography, University of Gdansk, Gdynia, Poland
President of the MARS Network, the European Marine Research Stations Network
President of the European Marine Biology Symposium (EMBS) series
Member steering committee WAMS (World Association of Marine Stations)
General Coordinator (Action Chair) of the ESF COST Action EMBOS European Marine Biodiversity Observatory System
Member External Evaluation Board of LifeWatch Greece (HelBioNet)
Member of the International Advisory Board of CORPI (Coastal Research and Planning Institute) at the Klaipeda University, Lithuania
Doctoral examiner PhD defense Dr. Ir. Peter Paalvast, Radboud University Nijmegen (title Ecological studies in a man-made estuarine environment, the port of Rotterdam), Nijmegen, 17 April.

J.W. de Leeuw

Guest professor Faculty Geosciences, Utrecht University
Guest professor Faculty Biology, Utrecht University
Professorship in Geochemistry University of Cataluna
Member of the Royal Dutch Academy of Sciences (KNAW)
Geochemical Fellow ACS
Member Independent Scientific Advisory Board (ISAB) INSITE Program.

F.A. Koning

Chair Ocean Facilities Exchange Group (OFEG)
Member International Research Ship Operators (IRSO)
Member European Research Vessel Operators (ERVO)
Member NERC Cruise Programme Review Group (CPRG)
Member NERC Marine Facilities Advisory Group (MFAG).

J. van de Koppel

Main organizer of the PHD course "spatial ecology"
Main organizer of the Lorentz center workshop "Spatio-temporal dynamics in Ecology"
Project leader Mosselwad Project
Project leader Waddensleutels Project
Project leader "Land uit zee" project: modelling vegetation development following depoldering of the Hedwige and Prosperpolder (HPP project)
Honorary Professor at the Groningen University.

B. Koster

Member NWO-ALW gebruikersadviesgroep bodembemonsteringssystemen en seismiek (GAG-BSS).

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J. Kromkamp

Member international board Group for Primary Production (GAP)

Member OSPAR foodweb workgroup FW2

Member Wetenschappelijke Raad Zeeland (WRZ)

Member Kerngroep Kennis Netwerk Delta Water (KNDW).

L.R.M. Maas

Professor Ocean wave dynamics – IMAU, Utrecht University

Lecture series on Wave Attractors (Feb-June)

Opposition at PhD defence D. LeBars, Dynamics and estimation of the Agulhas leakage at Utrecht University, 12 March

Opposition at PhD defence I. Manola, A modeling study of teleconnections and their tropical sources at Utrecht University, 22 September

Opposition at PhD defence A. Naffie, Formation and long-term evolution of shoreface-connected sand ridges: Modeling the effects of sand extraction and sea level rise at Utrecht University, 3 December.

J. van der Meer

Professor in Marine Population Ecology at the Institute for Ecological Sciences at the VU University Amsterdam

Editor of ISRN Oceanography

Guest editor of special DEB issue, Journal of Sea Research

Chairman of the Netherlands Annual Ecology Meeting organization committee

Member of the Management Board of MARES (Doctoral Programme on Marine Ecosystem Health and Conservation)

Member of the advisory board Natuurbehoud of the Prins Bernhard Cultuurfonds

Member of the ICES working group WKVHES.

F.J.R. Meysman

Editor Journal of Marine Research

Assistant professor (10% ZAP), Vrije Universiteit Brussel (Belgium)

Guest professor, Ghent University (Belgium)

Coordinator Darwin project 'HYPOXIA Grevelingen'

Membership PhD committee: Arthur Capet, Liege University, Belgium, 15 March, Trent Marwick, KU Leuven, Belgium, 27 November.

F. Mienis

Session chair ASLO 2014, Honolulu, USA, 23- 28 February

Guest Editor Deep Sea Research Special Issue on Biology and Geology of Deep-Sea Coral Ecosystems, Proceedings ISDSC 5.

L.J. de Nooijer

Guest Senior scientist at the Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Germany.

L. Peperzak

Member: ICES/IOC/IMO Working Group on Ballast and Other Ship Vectors

Member: Global TestNet (of ballast water test facilities).

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G.J. Reichart

Professor Geosciences Faculty, Utrecht University

Guest Senior scientist at the Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Germany

Member of the NWO-ALW gebruikersadviesgroepen verankerde instrumentatie (GAG-VI), bodembemonsteringssystemen en seismiek (GAG-BSS) en GAG-voorzitters-plus

Interim Member Steering Group GATEWAYS (EU-FP7, MC-ITN)

Lecturer Urbino Summer School, Urbino, Italy, 10-30 July

Program Chair European Geosciences Union 2014

Auditor European Geosciences Union finances 2014-2015

Evaluation committee Rubicon NWO-ALW

Jury NWO-STW technology program.

T. Richter

Member OceanSITES Data Management Team.

M.J.A. Rijkenberg

Member of NPC - Netherlands Polar Committee

Member of the international GEOTRACES Scientific Steering Committee

Associate member of the SCOR workgroup 139 on organic ligands.

S. Schouten

Part-time professor Molecular Palaeontology, Faculty of Geosciences, Utrecht University

Associate editor Organic Geochemistry

Member of the Netherlands Integrated Ocean Drilling Program Committee

Member of the Royal Dutch Academy of Sciences (KNAW).

J.S. Sinninghe Damsté

Part-time professor Organic Geochemistry, Faculty of Geosciences, Utrecht University

Member of the Royal Dutch Academy of Arts and Sciences (KNAW)

Member of the Scientific Steering Committee of the Darwin Centre for Biogeology

Associate editor Geochimica et Cosmochimica Acta

Member of the Editorial Board Environmental Microbiology

Director of Netherlands Earth System Science Centre.

M.G. Smit

Member Ocean Fleet Exchange Group – Technology section

Member NWO Instituut Platform Kennis Benutting

Member NWO Technologie Overleg

Editor Hydro International journal.

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K. Soetaert

Member of the FWO scientific commission 'bio' (Belgium)

Member of the NWO VIDI commission

Guest professor, 10 %, Ghent University (Belgium)

Associate editor journal of statistical software

Membership PhD committee (promotor): Christina Mueller, Utrecht University, 24 February.

L. Stal

Coordinator EU project MaCuMBA

Editor Plos-One

Editorial board member ISME Journal

Editorial board member Frontiers of Microbiology

Steering committee EMBRC (European Marine Biology Resource Center) (NL left EMBRC in the course of 2014).

H.C. de Stigter

Chairman NWO-ALW gebruikersadviesgroep bodembemonsteringssystemen en seismiek (GAG-BSS).

J.-B.W. Stuit

Senior scientist at MARUM – Center for Marine Environmental Sciences, University of Bremen, Germany

Member of International Society for Aeolian Research board

Associate editor Aeolian Research

Advisory editor Netherlands Journal of Geosciences

Member Netherlands IODP Committee

Member INQUA-Netherlands board

Member scientific advisory board NIOZ Ballastwater project

National representative IMAGES.

D.W. Thielges

Associate Editor International Journal for Parasitology: Parasites and Wildlife

Editorial Board of Journal of Sea Research

Subject Editor for Marine Biology Research.

K.R. Timmermans

Guest editor Marine Chemistry: Cycles of metals and carbon in the oceans

Member of Advisory Committee REEPON, AWI, Germany

Member management committee COST action: Advancing knowledge on seaweed growth and development.

L. Villanueva

Member of the editorial board of International Microbiology Journal.

D. van der Wal

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Member 'Flexibel Stortoverleg' (subgroup Technical Schelde Committee)

Committee member NWO/ALW Open programme (Oct)

WP leader Remote Sensing, and coordinator for NIOZ, EU FAST project

Project leader NWO-Ruimteonderzoek – Benthic diatoms as indicators for ecosystem structuring

Project leader NWO-Ruimteonderzoek - Consequences of global change for ecosystem engineering effects of shellfish.

Tj.C.E. van Weering (Sci. Emeritus)

Member Programme Committee to the Scientific Programme Indonesia – Netherlands (SPIN) of the Royal Netherlands Academy of Arts and Sciences (KNAW)

Member steering committee COCARDE/ESF

Advisor NWO-NIOZ regarding Caribbean Netherlands Science Institute at St. Eustatius

Member program committee Netherlands Caribbean programme (NWO)

Guest Editor Deep Sea Research Special Issue on Biology and Geology of Deep-Sea Coral Ecosystems, Proceedings ISDSC 5.

M.R. Wernand

Program committee member 4th EOS Topical Meeting on Blue Photonics® - Optics in the Sea

External Examiner in Examining Committee of Prof. Dr. Ing. W. Verhoef (Promoter), Dr. ir. Mhd. S. Salama (Co-promoter) for PhD Proposal by Behnaz Arabi,

Using coupled water – atmosphere radiative transfer models for water quality monitoring over the Wadden Sea, submitted to the Faculty of Geo-Information

Science and Earth Observation (ITC), University of Twente

Assessment Board member Univ. Twente. MSc Teshale Tadesse Danbara, Deriving water quality indicators of Lake Tana, Ethiopia, from Landsat-8

Assessment Board member Univ. Twente. MSc Edika Stephen Masisi, Analyzing spatial and temporal variations of the eutrophication status of Lake Victoria, Tanzania

Assessment Board member Univ. Twente. MSc Xin Su, Multi-sensor SSC retrieval, a case study over the Yangtze River estuary
EARSEL representative.

E. Zetsche

Guest Editor for a special issue: Aquatic Particles in the journal "Marine Chemistry".

Guest scientists

Brand, E., Utrecht University, 1 October-31 December.

Durden, J. National Oceanography Centre, U.K. 14-25 April.

El Ouahabi, A. 1 September-8 December.

Genuário, D.B., Biólogo-ESALQ/USP Doutorando-CENA/USP, Brasil, 1 January-28 February.

Gommeaux, M., Université de Reims Champagne-Ardenne, UFR Sciences, Département des sciences de la Terre, Reims, France, several occasions throughout 2014.

Grossi, V., University of Lyon, France, 14-27 September.

Guerreiro, C., Instituto Dom Luiz, University of Lisbon, Portugal, 23 October-11 November

Han, Q., Yantai Institute for Coastal Zone Research (YIC-CAS), Yantai, China, 21 November-14 December.

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Husson, B., Ifremer, France, 3-14 November.
Kloosterziel, R., Hawaii, SOEST, 1 February-23 December.
Kunihiro, T., Center for Marine Environmental Studies (CMES), Ehime University, Ehime, Japan, 1 January-30 August.
Li, B., Yantai Institute for Coastal Zone Research (YIC-CAS), Yantai, China, 15 August-15 October.
Luo, Y., Dalhousie University, Halifax, Canada, January.
Montserrat Trotsenburg, F., Vrije Universiteit Brussel, Belgium, 1 January-31 December.
Ortulan, C., Instituto Oceanográfico-USP, 28 August-31 December.
Quaijtaal, W., Universiteit Gent, Belgium, 3-21 February, 18 August-20 September.
Van der Woerd, H., IVM, Free University, Amsterdam, 2 days a month.
Weber Y., University of Basel, Switzerland, 20-31 January, 21-29 July.
Zetsche, E., Vrije Universiteit Brussel, Belgium, 1 January-1 August.

Students

Afanasyeva, A., Hogeschool Zeeland, University of applied sciences, 1 February-30 July.
Ahn, A-C., Université de Liège, Belgium, 1 February-25 August.
Beckebanze, F., Utrecht University IMAU and Math.
Bedolfe, S. RUG, Groningen, 1 April-31 December.
Beerda, J., Hanzehogeschool Groningen, 1 January-30 September.
Belcijan, K., University of Ljubljana, Slovenia, 1 July- 30 September.
Berrevoets M., Hogeschool Rotterdam, 24 November-31 December.
Bleumink, G. Utrecht University, May-June.
Boeve, R., Hogeschool Rotterdam, 1 September-31 December.
Brand, E., Utrecht University, IMAU Fys.Geografie.
Cartiere, R. RUG, Groningen, 1 June-15 July.
Cleirec, B. VAR, Toulon.
Cocozza, A., OTTIMA project. 1 July-31 December.
Dairain, A., UPMC France, 1 February-30 June.
De Bar, M. Utrecht University, January-September.
De Boer, J., Rotterdam Mainport University of Applied Sciences. 1 August-31 December.
De Groot, L., Hogeschool van Hall-Larenstein, Leeuwarden, 16 August-31 December.
De Ruyter, G., Zadkine ROC, Rotterdam, 1 January-21 June.
Dijkstra, O., Hogeschool Leiden, 1 September-31 December.
Doveren, F.A.J., University of Amsterdam, 14 July-31 December.
Fillol Homs, M., Universitat de Girona, Spain, 17 March-11 June.
Geerken, E. VU University, Amsterdam, February-June.
Geerts, University of Antwerp, Belgium, 31 December-1 February.
Habicht, M.H., University of Massachusetts Amherst, USA, 1-23 December.
Havermans, J., University Groningen, Groningen, 15 June-31 December.
Hoogeboom, J., Hogeschool CAH Videntum, Almere, 7 May-17 October.

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Hurdeman, L., ROC Amsterdam, 1 May-31 December.
Inglis, G., University of Bristol, 15-22 April.
Jones Quartey, PhD student, University of Ghana, Ghana, 1-7 October
Klip, N., Hogeschool Rotterdam Engineering en toegepaste wetenschap, 1 January-28 January.
Klootwijk, A. Utrecht University, February-July.
Koenen, I., Berufskolleg Hilden, Hilden, 5 July-5 October.
Konstantinidou, E., Utrecht University, 17 March-4 August.
Koops, J., MSc student, University of Amsterdam, Amsterdam, 1 April-30 May.
Koppelle, S., University of Amsterdam (UvA), 1 March-1 November.
Kruseman, A., Utrecht University IMAU and Math.
Kusen, P., Berufskolleg Hilden, Hilden, 5 July-5 October.
Lattaud, J., 1 September-31 December
Liddell, C. Wageningen University, Wageningen, 1-20 January.
Lo, V., University of Bologna, Italy, 7 September-15 December.
Lorent, S., VUB/UGent/UAntwerpen, 1 January-July.
Loth, M., Utrecht University, 2 June-15 August.
Mendez Merino, N., University of Navarra, Spain, 3 February-3 August.
Mens, T., Utrecht University, 1 March-30 November.
Mikšičūnaitė, A., Radboud University Nijmegen, 1 February-15 August.
Moerenhout, B., Scalda, Vlissingen, 25 August-31 December.
Mollee, M., ROC Nova College, Beverwijk, 25 August-15 January.
Naus, S., Utrecht University.
Nguyen, P., Avans Hogeschool, Breda, 18 August-31 December.
Nieto-Moreno, V., BiK-F, Frankfurt am Main, Germany, 2 June-31 July.
Peene, K., Scalda, Vlissingen, 25 August-31 December.
Peters, M., ROC Amsterdam, 25 August-31 December.
Pfannerstill, E., University of Jena, Germany, 15 September-31 December.
Postma, E., University of Amsterdam, 1 January-31 June.
Rijs, S., ROC Nova College, Beverwijk, 20 January-26 June.
Rodda, C., University of Trieste, 15 November-31 December.
Roeterink, M. VU University, Amsterdam, 14 April-24 May.
Roodenburg, S., Helicon, Boxtel en 's-Hertogenbosch, 25 August-31 October.
Rousselle, G., Pierre and Marie Curie University, Paris, France, 23 June-4 July.
Rozie, T., InHolland Amsterdam, 1-31 December.
Schoonderbeek, M., ROC Nova College, Beverwijk, 1-15 January.
Schrader, C., Utrecht University, 28 April-12 July.
Sewbaransingh, R., ROC Leiden, 9 September-31 December.
Slabbekoorn, V., Scalda, Vlissingen, 27 January-27 June.
Smilenova, A., University of Southampton, England, 1 May-11 November.
Smith, P., Bangor University, UK, July-31 December.
Speksneiders, Y., Avans Hogeschool, Breda, 1 January-30 June.

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Stam, A., Hogeschool InHolland, 1 January-1 February.
Steenhuis, P. University of Amsterdam, 18 February-15 August.
Steenhuis, P., University of Amsterdam, 17 February-15 August.
Sweere, T. Utrecht University, January-April.
Temmesfeld, F. MARUM, Bremen, Germany, January-March.
ten Hoeve, N., Utrecht University, 29 April-18 July.
Theeuwen, M., Hogeschool Zuyd, Heerlen, 1 September-31 December.
Therkildsen, M.
Van Bijsterveldt, C.E.J., Utrecht University, 18 January–27 October.
Van de Haspel, M., University of Amsterdam, 1 January-27 June.
Van de Haterd, T., Rotterdam Mainport University of Applied Sciences. 1 August-31 December.
van de Moortel, I., Universiteit Gent, 3-28 February.
Van de Pavert, R., Hogeschool van Arnhem en Nijmegen, University of Applied Sciences. 1 August-31 December.
Van de Ven, R., Hogeschool Leiden, 1 January-28 February.
Van de Vijssel, R., Utrecht University, IMAU.
Van den Bout, B., Utrecht University.
Van den Putte, W., Fontys University of Applied Sciences, Eindhoven, 1 November- 31 December.
Van der Lugt, M., Utrecht University, 15 April-5 December.
Van Franeker, S. Utrecht University.
Van Hateren, H., Utrecht University, 1 December-31 December.
Van Heuzen, H., University of Amsterdam, 1 January-27 June.
Van Oers, S., Technical University Delft.)
Van Veen, S., Radius College, Breda, 8 September-31 December.
Venhuizen, J., MBO Helicon, Geldermalsen, 22 April-11 July.
Verbiest, S., Utrecht University, Utrecht, 01 January-9 May.
Visch, W., University Leuven, 8 December-31 December.
Visser, V., Hogeschool van Hall Larenstein, 25 August-31 December.
Way, S. , Hogeschool InHolland, Amsterdam, 1-31 January.
Wesseling, A., InHolland Hogeschool, Amsterdam, 1 July-30 November.
Wevelsiep, D., Berufskolleg Hilden, Hilden, 5 July-5 October.
Wierenga,J., University of Utrecht, 1 January-30 June.
Withagen, M. VU University, Amsterdam, 14 April-24 May.
Xia, T., HZ University of Applied Science, Vlissingen, 10 February-30 July.
Yikilmaz, G., Hogeschool Leiden, 1 Juli-31 December.
Zanoni, R., ROC Leiden, Leiden, 1 September- 31 December.
Zawadowski, T., Hogeschool van Hall Larenstein, 1 January-28 February.

Visitors

Bloemsma, M., TU, Delft, 10 September.

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Boezen, D., Roozenvelt Academy, Middelburg, 27 June-3 July.
Collart, T., Ghent University, Belgium, 9-12 December.
Costa, P., University Lisbon, Portugal, 21-24 July.
Dana, 16-20 June.
Datema, M., Utrecht University, 21 June.
Delivet, S., Ghent University, Belgium, 3-7 February.
De Deckker, P., Australian National University.
Dijk, van M., VU University, Amsterdam, 22 April.
Dijkstra, N., Utrecht University, 16-18 April.
Fenton, I., Imperial College, London, 22 January.
Flament, P., Hawaii, SOEST, 26-28 May.
Friese, C., Bremen University.
Ganeshram, R., University of Edinburgh, UK, 9-10 April.
Guimarães, P.S., Mestrado em Biologia de Ambientes Aquáticos Doutorando em Oceanografia Física, Química e Geológica Universidade Federal do Rio Grande, Brasil, 1 December.
Hasselmann, K., IfM, Hamburg, Germany, 11-13 September.
Jones, E.M., University of Groningen, Groningen, 27-30 October.
Kaboth, S., Utrecht University, 23 May-14 June.
Kwarteng, A.Y., Director Remote Sensing and GIS Center Sultan Qaboos University, 23-27 June
Lauretano, V., Utrecht University, Febr + May + June.
Loomis, S., University of Texas at Austin, USA, 10-21 November.
Lourens, L., Utrecht University, 15-17 January, 3-6 February, 21+22 March.
Metcalf, B., Vrije Universiteit Amsterdam.
Moreira, S., University Lisbon, Portugal, 21-24 July.
Moscon, G., Istituto Scienze Marine CNR, Bologna, Italy, 7-11 July.
Munk, W., UCSD, Scripps, 11-14 September.
Nooren, K., Utrecht University, 28-30 July +17-18 September.
Ohneck, I., Berufskolleg Hilden, Hilden, 17 -23 August.
Palamenghi, L., Marine Technology and Environmental Research Geoscience Dep., Bremen University, Germany, 8-9 December.
Riechermann, D., University of Mainz, Germany, 16-20 June.
Rush, D., Newcastle University, 23 November-5 December.
Sandersfeld, T., AWI, Bremerhaven, 15–19 September.
Sterl, A., KNMI, 20 November.
Ufkes, E., Free University, Amsterdam, 22 April + 26 July.
Valenzuela, C.J., Ghent University, Belgium, 9-12 December.
Vandorpe, T., Ghent University, Belgium, 4-5 February + 23-25 April.
Van Miltenburg, L., Minkema college, Woerden, 30 January.
Volker, C., AWI Bremerhaven, Germany, 27-30 October.
Völkner, C., Alfred Wegener Institute, Bremerhaven, Germany, 6-17 January.
Werkhorst, T., Minkema college, Woerden, 30 January.

Meetings

Hummel, H. BIOC3 Kick-off Plenary meeting, BONUS project, Copenhagen, Denmark, 3-4 March (Advisory Board member).

Hummel, H. FixO3 General Assembly Annual meeting, Heraklion, Crete, Greece, 14-16 October.

Hummel, H. COST EMBOS WGPS Pilot data-analytical workshop, the European Marine Biodiversity Observatory System, Gourmes, Crete, Greece, 15-19 December, (chair, co-organiser).

Netherlands Annual Ecology Meeting, contact person: Jaap van der Meer, chairman of the organization committee. The Netherlands Annual Ecology Meeting is a two-day event organised by NERN (Netherlands Ecology Research Network) and NECOV (Dutch-Flemish Ecological Society) and supported by the Netherlands Organisation for Scientific Research (NWO). The set-up of the 2014 meeting was in accordance with previous years, and was again a great success with over 300 participants.

Stuut, J.-B.W., Precruise meeting R/V Pelagia cruise 64PE395, Texel, the Netherlands, 16 December

Jaarverslag 2014 van de Ondernemingsraad Koninklijk NIOZ

In 2014 is de Ondernemingsraad (OR) beperkt gewijzigd van samenstelling. Na zich enkele jaren voor de OR te hebben ingezet als vertegenwoordiger van de groep tijdelijke medewerkers is Cees van Slooten teruggetreden als lid en vervangen door Hans Slagter. Aldus was de samenstelling van de OR: vertegenwoordigers onderzoeks- en laboratorium medewerkers: Sander Holthuijsen (secretaris), Loran Kleine Schaars en Kirsten Kooijman (verv. secretaris), vertegenwoordigers technische en centrale diensten en stafeenheden: Sander Asjes en Ruud Witte; vertegenwoordiger ondersteunende en centrale diensten en stafeenheden: Yvonne van der Maas; vertegenwoordiger varend en havenpersoneel: Ewout Adriaans; vertegenwoordiger personeel in tijdelijke dienst: Hans Slagter; vertegenwoordigers wetenschappelijk personeel: Henk Bolhuis (verv. voorzitter) en Henk de Haas (voorzitter).

De OR heeft met de Directie en het Bestuur overleg gevoerd over uiteenlopende onderwerpen die voor een groot deel te maken hadden met de komende aanpassingen van de NIOZ-organisatie in verband met de huidige financiële situatie.

De OR heeft op 30 januari, 2 april, 22 mei, 2 juli, 21 augustus, 22 oktober en 4 december formeel overleg gehad met de Directie. In aanvulling hierop heeft er ook regelmatig informeel overleg tussen OR en Directie plaatsgevonden. Formeel overleg met het NIOZ-Bestuur vond plaats op 3 april. In verband met een wisseling van het NIOZ-Bestuur heeft het gebruikelijke tweede halfjaarlijks overleg met het Bestuur niet plaatsgevonden. De notulen van bovengenoemde vergaderingen zijn te lezen op de vernieuwde intranet webpagina van de Ondernemingsraad.

In 2014 heeft de NIOZ-OR ingestemd met een wijziging van de Uitvoeringsregeling voor Stagiaires, het nieuwe NIOZ-aanstellingsbeleid en wijzigingen in de Uitvoeringsregeling Bedrijfshulpverlening.

De OR heeft een negatief advies uitgebracht op een voorgestelde aanpassing van de NIOZ statuten.

De OR heeft positief advies uitgebracht op de voorgestelde aanstelling van het nieuwe NIOZ-Bestuur.

Oral presentations

Bakker, K. PO₄ measurements on an auto-analyser: calibration, chemistry, carry-over and flow consideration. Quasimeme Workshop, Ostend, Belgium, 6-8 February.

Bale, N., Hopmans, E., Villareal, T.A., Zell, C., Sinninghe Damsté, J.S., Schouten, S. Novel tracers for past oceanic N₂ fixation. 12th Nederlands Aardwetenschappelijk Congres (NAC 12), Veldhoven, 8-9 April.

Beauchard, O. Disentangling human-induced from natural environmental variability using invertebrate functional groups. Twinning Workshop Trawling Impact on Benthic Ecosystems (Australia, New Zealand, EU), Tromsø, Norway, 20-21 June.

Biggs, T., Brussaard, C.P.D. Antarctic phytoplankton in a changing world and its consequences for the lower pelagic food web. NWO Symposium Polar Change – A Scientific Adventure, Den Haag, 5 November.

Bolhuis, H. *Haloquadratum walsbyi*: life at the limits of water activity. Thematic week on extremophilic microorganisms, University of Liege, Liege, Belgium, 28 October.

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Bolhuis, H. Introduction to the coastal microbial mats of Schiermonnikoog: a molecular twist. MaCuMBA Exchange with University of Amsterdam, Amsterdam 4 April.

Bolhuis, H. The genome of *Lyngbya aestuarii*: how to survive in a coastal microbial mat. Invited speaker, 15th International Symposium on Microbial Ecology (ISME 15), Seoul, South Korea, 24-29 August.

Bolhuis, H. The genome of the mat building cyanobacterium *Lyngbya aestuarii*: adaptations to an “extreme” environment with a twist of lactate. Invited Speaker, Molecular Genetics, University of Groningen, 31 March.

Bolhuis, H. Towards the pan-genome of *Lyngbya aestuarii*: a cosmopolitan cyanobacterial mat builder. Invited Speaker, Workshop: Glimpses at Pan-Genomes, Valencia, Spain, 5-7 November.

Booij, K. Water extraction with a plastic sheet: passive sampling of organic contaminants. LabTechnology 2014, Utrecht, 4-5 June.

Booij, K., Maarsen, N.L., van Bommel, R., Beerda, J. Hydrodynamics and polar sampler calibration: bridging the gap between field and lab. 7th International Passive Sampling Workshop, Vancouver, Canada, 8-9 November.

Bouma, T.J. et al. Towards the use of natural ecosystems for coastal defense: bottlenecks, opportunities and knowledge needs. Invited key-note speaker. International Coastal Biology Congress 2014 (ICBC 2014), Yantai city, Shandong Province, P. R. China, 26-30 September.

Bouma, T.J. On the importance of understanding the establishment of biogeomorphic ecosystems. Invited talk. Mini-symposium on salt marshes, Campus Drie Eiken, University of Antwerp, Belgium, 21 October.

Bouma, T.J., van de Koppel, J., Gwen Gillis, L., van der Heide, T., van Katwijk, M., Oloff, H., Herman P.M.J. Connectivity issues in marine environments: beyond biotic exchange. Invited key-note speaker. NecoV 15th Anniversary Meeting, Connectivity towards ensuring a future for biodiversity, Den Bosch, 8 April.

Bouma, T.J., Yaakub, S.M., Soissons, L., Han, Q., Erfemeijer, P.L.A., Li, B., Ysebaert, T., van Katwijk, M., Todd, P.A. Resilience of seagrass: the importance of pre-conditioning & timing. SEAGRASS COST, Olhão, Portugal, 4-6 March.

Brenner, H., Montserrat, F., Meysman, F.J.R. Enhanced alkalinity and dissolved inorganic carbon release in intertidal sands from the Oosterschelde (The Netherlands) induced by a natural macrofaunal community. EGU General Assembly 2014, Vienna, Austria, 7-12 April.

Bruin, T.F. de, Schaap, D. Connecting Hundreds of Oceanographic Data Sources from Countries in and around Europe into a Big Data Network. American Geophysical Union Fall Meeting, San Francisco, USA, 15-19 December.

Bruin, T.F. de. NIOZ Contribution to WP1: Data collection and metadata compilation in sea regions: current status North Sea. EMODnet Chemistry Annual Meeting, Split, Croatia, 17-18 June.

Bruin, T.F. de. Report of the Advisory Group. Norwegian Marine Data Centre project Annual Meeting, Øystese, Norway, 26-28 August.

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Brummer, G.-J.A. Shell growth in planktonic foraminifera. MARUM, Bremen, Germany, 27 February.

Brummer, G.-J.A. Shell ontogeny of planktonic foraminifera. AWI-NIOZ mini meeting, NIOZ-Texel, 24-25 November.

Brummer, G.-J.A., Feldmeijer, W., Prins, M.A., Ganssen, G.M. Proxy development and interpretation: seasonality and deglaciation northern North Atlantic. Symposium "Interglacial Climate Change", Amsterdam, 3 November.

Brummer, G.-J.A., Kucera, M. Constraining ecology and population dynamics of planktonic foraminifera as paleoproxy carriers. MoU UniB-NIOZ, NIOZ-Texel, 1 April

Brussaard, C.P.D. Can we prove virus involvement in processes? – From sequence to phenotype & ecology. NBIC (Netherlands Bioinformatics Centre) Hot Topics Meeting 'Virus discovery and beyond', Utrecht, 13 January.

Brussaard, C.P.D. Marine virus-host interactions, diversity and influence of environmental factors. Symposium on Marine Biodiversity, Biotechnology and Metagenomics, Rio de Janeiro, Brazil, 19 November.

Brussaard, C.P.D. Veranderingen in het voedselweb o.i.v. opwarming. Noordzeedagen, Texel, 2-3 October.

Brussaard, C.P.D. Viral parasites in microbes and their effects on ecosystem functioning. International Symposium Ecology & Evolution of Marine Parasites and Diseases, Texel, 10-14 March.

Brussaard, C.P.D. Virale ecologie tijdens klimaatverandering. Diligentia - Koninklijke Maatschappij voor Natuurkunde, Den Haag, 1 December.

Brussaard, C.P.D., Maat, D. The differential effects of nutrient-limitation and irradiance level on virus-host model systems in a changing world. ASLO Ocean Science Meeting, Hawaii, USA, 23-28 February.

Burdorf, L.D.W. An introduction to cable bacteria. School of chemistry seminar, Melbourne, Australia, 28 February.

Burdorf, L.D.W. Electricity in the sediment. Marine Masters course, Texel, 8 July.

Burdorf, L.D.W., Seitaj, D., Meire, L., Malkin, S.Y., Cook, P.L.M., Meysman, F.J.R. Cable Bacteria – a global perspective. 2nd international workshop on Microbial long-distance electron transport mediated by cable bacteria, Antwerp, Belgium, 27–30 October.

Burt, W., Thomas, H., Hagens, M., Brenner, H., Paetsch, J. Using radium and carbon isotopes to evaluate the biogeochemical impact of boundary exchanges in the North Sea. EGU General Assembly 2014, Vienna, Austria, 7-12 April.

Cadée, G.C., Spoorzoeken op schelpen. Zeeuws Landschap vrijwilligers, Vlissingen, 13 February.

Cadée, G.C., Verborgen schatten in een apothekerskabinet uit 1730 in het Rijks Museum. Ledenvergadering Doopsgezinde gemeente, Den Burg, 20 March.

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Camphuysen C.J. Lesser Black-backed Gulls under pressure: new data on population ecology in the Dutch Wadden Sea. "Vogelartenschutz im Nationalpark Niedersächsisches Wattenmeer - neue Entwicklungen", Wilhelmshaven, Germany, 19. February.

Camphuysen, C.J., Kloff, S., Marret, F., Ould Ahmed, M., Taleb Sidi, M.O. The charismatic megafauna in the upwelling zone off Mauritania: a conservation concern. Ecosystemic Seabird/Fishery interactions in West African Waters, special session during the first International conference "Ecosystem Approach to the Management of Fisheries and the Marine Environment in West African Waters (AWA)", Dakar, Senegal, 9-11 December.

Capet, A., Akoumianaki, I., Meysman, F.J.R., Soetaert, K., Grégoire, M. Benthic-Pelagic coupling in the Black Sea northwestern shelf. EGU General Assembly 2014, Vienna, Austria, 7-12 April.

Cardoso, C. Microbial mats, a population study. General Assembly MaCuMBA project, Cadiz, Spain, 21-26 September.

Cardoso, C. Microbial mats, the concept of minimal mat. MaCuMBA Exchange with University of Amsterdam, Amsterdam, 4 April.

Carvalho, M., Moreira, C., Cardoso, J., Brummer, G.-J., van Gaeveer, P., Queiroga H., Talhadas Santos, P., Teodorico Correia, A. Use of stable isotopes (oxygen and carbon) in otoliths to study fish movement and connectivity in *Lipophrys pholis*. 5th International Otolith Symposium, Mallorca, Balearic Islands, Spain, 20-24 October

Caulle, C., Mojtahid, M., Koho, K., Gooday, A., Reichart, G.J., Schmiedl, G., Jorissen, F. Benthic foraminifera from the Arabian Sea oxygen minimum zone: towards a paleo-oxygenation proxy. European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April-2 May.

Chivall, D., M'Boule, D., Heinzemann, S., Kasper, S., Sinke, D., Sinninghe Damsté, J. Schouten, S., van der Meer, M. Towards a palaeosalinity proxy: Hydrogen isotopic fractionation between source water and lipids produced via different biosynthetic pathways in haptophyte algae. Basis annual meeting 2014, Nijmegen, 27-28 March and . European Geosciences Union, General Assembly 2014, Vienna, Austria, 27 April-2 May.

Cimatoribus, A. Simple models of ocean circulation: an upward-driven disk as a model of convection, lecture at the "Physics of the Climate System" Summer School, organised by the Faculty of Science of Utrecht University, 21 August.

Cimatoribus, A., van Haren, H., Gostiaux, L. Comparison of Ellison and Thorpe scales from Eulerian ocean temperature observations. European Geosciences Union, General Assembly 2014, Vienna, Austria, 27 April-2 May.

Cimatoribus, A., van Haren, H., Temperature statistics above a sloping deep-ocean boundary: turbulence, convection and mixing. LPO-IFREMER, France, 26 September and IMAU-UU, 14 October.

Cook, P.L.M, Roberts, K., Kessler, A., Meysman, F.J.R., Burdorf L.D.W. Thamdrup, B., Robertson, E. Do 'Cable Bacteria' Enhance Dissimilatory Nitrate Reduction to Ammonium in a Periodically Anoxic Estuary? Goldschmidt, Sacramento, USA, 8-23 June.

Cretoi, M.S. The environmental dimension of antibiotic resistance. Microbial Ecology Course, Institute for Biodiversity and Ecosystem Studies, University of Amsterdam, Amsterdam, 3 October.

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Cretoiu, M.S., Bolhuis H., Wesseling, A., Burgaud, G., Wersig, J, Kramer, D., Swiatecka-Hagenbruch, M., Cardoso, C., Grego, M., Stal, L.J. Resident communities of a coastal microbial mat as revealed by cultivation in different gradients. General Assembly MaCuMBA project, Cadiz, Spain, 21-26 September.

Cretoiu, M.S., Stal, L.J., Cardoso, C., Bolhuis, H. The metagenome of a marine microbial mat. MicroB3 Marine Metagenomics, Hinxton, UK, 24-28 March.

Davies, A., Mienis, F., Duineveld, G., Robertson, C., Ross, S.W., Rhode, M., Wolff, M., Brooke, S. Can we use historical observation data for habitat suitability modelling? A case study from Baltimore Canyon, NW Atlantic. INCISE Workshop, Edinburgh, UK, 29 September-1 October.

De Jonge, C., Hopmans, E.C., Schouten, S., Sinninghe Damsté, J.S. Novel branched glycerol dialkyl glycerol tetraethers: occurrence in the environment and implications for the use of the CBT/MBT' proxies. Workshop GDGT-based proxies: State of the art and future directions, Texel, 23-25 April.

de Leeuw, J.W. . Biomarkers, Proxies, Evolution and Paleoclimate. University of Seoul, South Korea, 20 August and ISME conference, ECORD/ICDP MagellanPlus Workshop Series Program, Advancing Subsurface Biosphere and Paleoclimate Research, Seoul, South Korea, 21-23 August.

de Leeuw, J.W. Organisch afval: Bron van de Organische Geochemie. Darwin Christmas Lecture 2014, Leiden, 21 December.

de Lima Sobrinho, R., Kim, J-H., Abril, G., Zell, C., Moreira-Turcq, P., Mortillaro, J-M., Meziane, T., Sinninghe Damsté, J.S., Bernardes, M. Seasonal and spatial contrasts of sedimentary organic carbon in floodplain lakes of the central Amazon basin. European Geosciences Union, General Assembly 2014, Vienna, Austria, 27 April-2 May.

De Paoli, H., van der Heide, T., Christianen, M., van den Berg, A., Silliman, B., van de Koppel, J. Don't Panic, Organize, Testing for the importance of self-organization for ecosystems resilience. Benthic Ecology Meeting, Jacksonville, Florida, USA, 19-22 March.

de Stigter, H.C. Polymetallic nodule mining in the Pacific: opportunities for biomonitoring? FOBIMO Workshop, NIOZ, Texel, 26-27 June

Dessandier, P.-A., Bonnin, J., Kim, J.-H., Bichon, S., Grémare, A., Deflandre, B., Sinninghe Damsté, J.S. Distribution of live benthic foraminifera off the Douro river (western Iberian margin): the importance of the terrestrial organic matter. FORAMS 2014 (international symposium on foraminifera), Concepcion, Chile, 19-24 January.

Dijkstra, N., Kraal, P., Rijkenberg, M.J.A., Slomp, C.P. Coupled dynamics of manganese, iron and phosphorus in the water column of the Black Sea and implications for phosphorus burial. 46th International Liège Colloquium, Belgium, 5-9 May

Frieling, J., Gebhardt, H., Adekeye, O.A., Akande, S.O., Reichart, G.-J., Middelburg, J., Schouten, S., Sluijs, A. The Paleocene – Eocene Thermal Maximum: temperature and ecology in the tropics. Climate and Biotic Events in the Paleogene, Ferrara, Italy, 1-6 July.

Galer, S.J.G., Abouchami, W., Xie, R.C., Janssen, D.J., Rijkenberg, M., Gerringa, L., Cullen, J.T., de Baar, H.J.W. Global oceanic Cadmium isotope distribution. Goldschmidt Conference, Sacramento, USA, 8-13 June

Geelhoed, J., Boschker, E., Meysman, F.J.R. Filamentous bacteria involved in long-distance electron transport in marine sediments. 46th International Liège colloquium on ocean dynamics, Liège, Belgium, 5-9 May.

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Geelhoed, J., Hidalgo, S., Tramper, A., Boschker, E. Meysman, F.J.R. Long-range electron transport by filamentous sulfide-oxidizing bacteria in coastal marine sediments. 15th International symposium on microbial ecology, Seoul, South-Korea, 24-29 August.

Geelhoed, J., Tramper, A., Hidalgo, S., Meysman, F.J.R. Targeted culturing of cable bacteria - first results. 2nd international workshop on Microbial long-distance electron transport mediated by cable bacteria, Antwerp, Belgium, 27–30 October.

Gerkema, T. Coastal and shelf-sea dynamics, Introduction: an excursion through ages and seconds. BBOS Symposium, Texel, 31 October.

Gerkema, T. Duran-Matute, M., Nauw, J.J., Van der Hout, C.M. Back and forth in the Vlie tidal inlet: transport of suspended particulate matter and fresh water. Seminar IOW, Warnemünde, Germany, 8 April.

Gerkema, T. Lecture on Internal waves. Physical Limnology course, Heidelberg University, 25-26 March.

Gerkema, T. Mathematics and internal waves. 3TU.AMI Conference "Mathematics & Water", Delft, 13 November.

Gerkema, T. The traditional approximation: from Laplace, via the Drei-Brüder-Schacht, to the oceans. Seminar IOW, Warnemünde, Germany, 12 March.

Gerkema, T. Wiskundige aspecten van interne golven. Symposium "Go with the flow", Universiteit Twente, 23 May.

Gerkema, T., Schuttelaars, H.M. The sediment balance of the Wadden Sea, NCK themadag, Leiden, 10 October.

Gollner, S. Geological settings – gas hydrates, massive sulfide deposits, ferromanganese crusts and manganese nodules. MIDAS WP6 workshop, Wilhelmshaven, Germany, 11-13 March.

Gollner, S. Vent fauna. MIDAS WP6 workshop, Wilhelmshaven, Germany, 11-13 March.

Gollner, S., Govenar, B., Martinez Arbizu, P., Mills, S., Le Bris, N., Weinbauer, M., Shank, T., Bright, M. Meiofauna and macrofauna succession after a recent eruption at the 9°N East Pacific Rise. MIDAS WP6 workshop, Wilhelmshaven, Germany, 11-13 March.

Gostiaux, L., van Haren, H. Eddy-shape signature in Thorpe's displacement profiles: advances in characterization of turbulent overturns. European Geosciences Union, General Assembly 2014, Vienna, Austria, 27 April-2 May.

Grosse, J., van Breugel, P., Boschker, H.T.S. Tracing carbon allocation into cellular compounds using LC-IRMS and GC-c-IRMS: A phytoplankton study. BASIS Meeting, Nijmegen, 27-28 March.

Hagens, M., Slomp, C.P., Meysman, F.J.R., Borges, A.V., Middelburg, J.J. Impact of hypoxia and ocean acidification on pH dynamics in a seasonally stratified coastal marine lake. Ocean Sciences Meeting, Honolulu, Hawaii, USA, 23-28 February.

Hagens, M., Slomp, C.P., Meysman, F.J.R., Seitaj, D., Borges, A.V., Middelburg J. J Hypoxia and biogeochemical processes concomitantly influence acidification in the seasonally stratified coastal marine Lake Grevelingen, the Netherlands. 46th International Liège colloquium on ocean dynamics, Liège, Belgium, 5-9 May.

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Hak, K., Peperzak, L. Enforcement and control. Shipping and the Ballast Water Challenge, ProSea, Amsterdam, 23 April.

Heimbürger, L.-E., Sonke, J.E., Rijkenberg, M.J.A., Gerringa, L.J.A., de Baar, H.J.W. Mercury in the Black Sea - results of the 2013 GEOTRACES MEDBlack cruise. AGU Fall Meeting, San Francisco, USA, 15-19 December.

Heinzelmann, S., Villanueva, L., Schouten, S., Sinninghe Damsté, J., van der Meer, M. D/H ratios of fatty acids as a tool to infer the metabolism of microbial communities. Californian Goldschmidt, Sacramento, USA, 8-13 June.

Heinzelmann, S.M., Villanueva, L., Sinninghe Damsté, J.S., Schouten, S., van der Meer, M.T.J. Compound specific hydrogen isotopes as a culture independent method to identify core metabolisms of microorganisms *in situ*. Basis annual meeting 2014, Nijmegen, 27-28 March.

Herman, P.M.J. and Spatial Ecology Department. Speak for the worms.

How science can inform coastal management. Invited keynote lecture. Netherlands Annual Ecology Meeting, Lunteren, 11-12 February.

Herman, P.M.J. Vissen en natuur in een verander(en)de wereld. Symposium Waddenacademie over garnalenvisserij, Terschelling, 6-7 February.

Holthuisen, S.J., Compton, T.J., Piersma, T. The Waddensea, No management without monitoring. Lecture, van Hall Instituut, Texel, 30-June.

Holthuisen, S.J., van der Veer, H., Dekinga, A., ten Horn, J., Fey, B. Het NIOZ op de Waddenzee, SIW dag, Harlingen. 25-April.

Hörnlein, C. Rhythm on the beach. Metabolic pathways in marine microbial mats. Environmental metagenomics symposium, Wageningen, 19 September, MACUMBA General assembly 2014, Cadiz, Spain, 21-24 September.

Hummel, H. A comparison on the degree of implementation of marine biodiversity indicators by European countries in relation to the Marine Strategy Framework Directive (MSFD). 49th European Marine Biology Symposium (EMBS), St. Petersburg, Russia, 8-12 September.

Hummel, H. BES-SFE Annual meeting, joint British Ecological Society and Société Française d'écologie meeting. Invited key-note lecture at Symposium 5 "Genomics in marine monitoring: New opportunities for assessing marine health status" on "Integration of genomics and ecology, a promising though inconvenient challenge", Lille, France, 9-12 December.

Hummel, H. EMBOS Training School "Marine Biodiversity Observation: A system to bring theory and practice together". Several oral presentations on "Marine Biodiversity and the role of EMBOS (the European Marine Biodiversity Observation System) in a historical perspective", Santander, Spain, 12-17 May.

Hummel, H. EMBOS Training workshop on the EMBOS Pilot Project, several oral presentations on "Sampling Procedures and Protocols for Hard and Soft Substrata", Oristano, Italy, 17-20 February.

Hummel, H. EMBOS Workshop on the Analysis of the EMBOS Pilot data, HCMR, Gournes, Crete, Greece, 15-19 December.

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Hummel, H. EMBRC final General Assembly meeting. Invited lecture on “Proposals for Horizon 2020 challenges for marine biodiversity, ecosystem functioning and sustained coastal observation”, on behalf of MARS, MarBEF+, and EMBOS, Stazione Zoologica Anton Dohrn (SZN), Naples, Italy, 22-24 January.

Hummel, H. MARS Directors & WAMS International Assembly meeting: Future perspectives for marine science. Several oral presentations on “The MARS business plan”, “Research Infrastructures for integrated and sustained coastal observation.” - A must or a chance and challenge for marine stations to strengthen coastal observatories?”, “European Observatory networks: EMBOS, FixO3, JERICO”, “The role of MARS in Horizon 2020”. Amsterdam, 26-28 March.

Hummel, H. JERICO (FP7 project: Towards a Joint European Research Infrastructure network for Coastal Observatories) General Assembly, Future Strategy for biological coastal observation, Oslo, Norway, 6-7 May.

Jesus, C., de Stigter, H., Oliveira, A. Canhão Submarino de Lisboa: um depocentro de sedimentos? 3^{as} Jornadas de Engenharia Hidrográfica, Lisbon, Portugal, 24-26 June.

Kaag, K., Peperzak, L. The “Shanghai Filter Test”, a standard test beyond G8. Ballast water management, Bremen, Germany, 23-25 September.

Kaiser, J., Moros, M., Baas, M., Sinninghe Damsté, J., Pollehne, F., Arz, H. Application of the TEX₈₆ temperature proxy in the Baltic Sea: insights from surface and trap sediments, The 12th Colloquium on Baltic Sea Marine Geology, Warnemünde, Germany, 8-12 September.

Karagicheva, J., Rakhimberdiev, E., Dekinga, A., Koolhaas, A., Brugge, M., Piersma, T. Regulation of spring body mass gain in Red Knots *Calidris canutus*. 44th IWSG Conference, Haapsalu, Estonia, 26-29 September.

Kim, J-H., Schouten, S., Marino, G., Hugué, C., Helmke, P., Rampen, S., Rodrigo-Gámiz, M., Buscail, R., Hopmans, E.C., Pross, J., Sangiorgi, F., Middelburg, J.J., Villanueva, L., Zell, C., Warden, L., Sinninghe Damsté, J.S. Influence of deep-water derived isoprenoid tetraether lipids on the TEX₈₆^H paleothermometer. Workshop GDGT-based proxies: State of the art and future directions, Texel, 23-25 April.

Korte, L., Van der Does, M., Munday, C., Brummer, G.-J. A., Stuut, J.-B.W. Marine environmental effects of Saharan-dust deposition – changing climate through ocean fertilization? Nederlands Aardwetenschappelijk Congres 12, Veldhoven, 8-9 April and ICAR-8, Lanzhou, China, 21-25 July.

Kromkamp, J.C. Automated FRRF measurements provide an alternative means to obtain seasonal and annual marine primary production estimates. VLIZ, Oostende, Belgium, 21 March.

Kromkamp, J.C. Eutrophication in the 2-Seas area. ISECA conference, Boulogne-sur-Mer, France, 30 June-1 July.

Kwiecien, O., Tomonaga, Y., Brennwald, M.S., Randlett, M-E., Peterse, F., Bechtel, A., van der Meer, M., Stockhecke, M., Bucher, S., Anselmetti, F., Litt, T., Schubert, C.J., Kipfer, R. Geochemistry of Lake Van pore water and sediment, or how to distinguish climatic from diagenetic signals? European Geosciences Union, General Assembly 2014, Vienna, Austria, 27 April-2 May.

Lavaleye, M.S.S. De Noordzee als leefomgeving voor mollusken, historisch en ecologisch. Lustrum Weekend Nederlandse Malacologische Verenigen (NMV), Ecomare, De Koog, 20 September.

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Lavaleye, M.S.S. Geschiedenis van het molluskenonderzoek in de Noordzee en enkele resultaten van recente cruises met de Pelagia. Natuur Excursie Texel (NET), Texel, 27 March.

Lipsewers, Y., Hopmans, E.C., Schouten, S., Sinninghe Damsté, J.S. The role of anammox and denitrifying bacteria in hypoxic/anoxic and sulfidic SALINE lake sediments. Darwin Days 2014, Noordwijkerhout, 20-21 November.

Little, S.H., Vance, D., Cameron, V., Rijkenberg, M.J.A., Andersen, M.B., Lyons, T., McManus, J. Zn and Ni isotope systematics in the Black Sea, an analogue for past ocean anoxia. AGU Fall Meeting, San Francisco, USA, 15-19 December.

Little, S.H., Vance, D., Lyons, T., McManus, J., Rijkenberg, M.J.A. The significance of anoxic settings to the oceanic cycling of Cu and Zn isotopes. Ocean Sciences Meeting, Honolulu, Hawaii, 23-28 February.

Loomis, S., Russell, J., Heureux, A., D'Andrea, W., Sinninghe Damsté, J. Seasonal variability of branched glycerol dialkyl glycerol tetraethers in a temperate lake system. Californian Goldschmidt, Sacramento, USA, 8-13 June.

Loomis, S., Russell, J., Sinninghe Damsté, J. Exploring the use of branched glycerol dialkyl glycerol tetraethers (brGDGTs) as a lacustrine paleotemperature proxy. AGU Fall Meeting, San Francisco, California, USA, 15-19 December.

Lubsch, A., Timmermans, K.R. 161 days NIOZ Seaweed Centre or “leaving the Stone Age”. Seagriculture, Terneuzen, 24-25 September.

Maas, L. Nortek User Meeting “Capturing the elusive spatial structure of internal waves, de Koog, Texel, 27 June.

Maas, L., Experimental falsification of internal-tide-generation paradigm, 50th anniversary of GK Batchelor Laboratory, Department of Applied Mathematics and Theoretical Physics University of Cambridge, UK, 7 April

Maas, L., Physics of Estuaries, NIOZ Marine Master course, 30 June.

Maas, L., Topographies lacking tidal interaction, ENSL Lyon, France, 14 November.

Maas, L., Wave attractors, Applied Math seminar at Leeds University, UK, 19 February.

Meire, L., Meysman, F.J.R., Søgaard, D., Mortensen, J., Rysgaard, S. Glacial meltwater and primary production are the drivers of strong CO₂ uptake in Greenlandic fjords. Arctic Change meeting, Ottawa, Canada, 5-8 December.

Meysman, F.J.R., Dorina, D., Malkin, S.Y., Vasquez-Cardenas, D., Boschker, H.T.S. A new way of life detected in coastal sediments: microbial sulphur oxidation via long-range electron transport. Goldschmidt Conference, Sacramento, USA, 8–23 June.

Meysman, F.J.R., Seita, D., Malkin, S.Y., Vasquez-Cardenas, D., Boschker, H.T.S. A novel way of life emerges from hypoxic sediments: microbial sulphur oxidation via long-distance electron transport. 46th International Liège colloquium on ocean dynamics, Liège, Belgium, 5-9 May.

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Mezger, E.M. The development of Dutch barrier islands - a balance between sand and sea. The Micropaleontological Society Joint Foraminifera and Nannofossil Groups Spring Meeting, Texel, 23-25 June

Mezger, E.M., De Nooijer, L.J., Brummer, G.J.A., Reichart, G.J. Sodium in foraminiferal calcite as a direct proxy for salinity. AGU Fall Meeting, San Francisco, USA, 15-19 December.

Mezger, E.M., Geerken, E. Sodium in foraminiferal calcite as a direct proxy for salinity, AWI-NIOZ minimeeting, Texel, 24-25 November.

Mienis, F. Cold-water corals - Oases in the deep sea. Nortek User's Meeting, Den Burg – Texel, 25-27 June

Mienis, F. Oases in the deep-sea. Shell sensitive area workshop, Den Hoorn – Texel, 20-21 May

Mienis, F. Studie en Loopbaan. Lecture at VU University Amsterdam, 6 February.

Mienis, F. Cold-water corals in the North Atlantic Present-Past and Future. Lecture at Amsterdam University College, Amsterdam, 12 November.

Mienis, F., Duineveld, G., Robertson, C., Demopoulos, A., Davies, A., Prouty, N., Roark, B., Ross, S.W., Brooke, S. Particle transport and deposition in the Norfolk and Baltimore canyon, NW Atlantic, INCISE Workshop, Edinburgh, UK, 29 September-1 October.

Moerdijk-Poortvliet, T.C.W., Stal, L.J., Boschker, H.T.S. Tracing carbon flow in microphytobenthic communities by LC/IRMS. ASLO Ocean Science Meeting, Honolulu, HI, USA. 23-28 February.

Montserrat F., Way S., Meysman F.J.R. Enhanced Olivine Dissolution: Creating A Coastal CO₂ sink? Deltas in Times Of Climate Change II conference, Rotterdam, 24-26 September.

Montserrat F., Way S., Meysman F.J.R. Mitigation of Ocean Acidification in Coastal Systems through Enhanced Mineral Weathering – Proxies and process dynamics. Climate Engineering Conference (CEC14), Berlin, Germany, 18-21 August.

Montserrat, F., Meysman F.J.R. Mitigation of Ocean Acidification in Coastal Systems through Enhanced Mineral Weathering. Ocean Sciences Meeting, Honolulu, Hawaii, USA, 23-28 February.

Moore, E. Villanueva, L., Hopmans, E.C., Rijpstra, W.I.C., Mets, A., Dedysh, S.N., Sinninghe Damsté, J.S. Abundant trimethylornithine lipids and specific gene sequences suggest Planctomycete importance at the oxic/anoxic interface in Sphagnum-dominated northern wetlands. Darwin Days 2014, Noordwijkerhout, 20-21 November.

Munday, C., Brummer, G.-J. A., van der Does, M., Korte, L., Stuut, J.-B.W. Bacterial profiling of Saharan dust deposition in the Atlantic Ocean using sediment trap moorings, ICAR-8, Lanzhou, China, 21-25 July

Mutterlose, J., Bottini, C., Schouten, S., Sinninghe Damsté, J.S. Evidence for high sea-surface temperatures during the early Aptian OAE 1a in the Boreal Realm. GeoFrankfurt 2014, Dynamik des Systems Erde / Earth System Dynamics. Goethe Universität Frankfurt am Main, Germany, 21.-24. September.

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Nauw, J. J., Philippart, C. J. M. Duran-Matute, M., Gerkema, T. Estimates of exposure times in the Wadden Sea using contrasting methods, PECS conference, Porto de Galinhas, Brazil, 19-23 October.

Nauw, J.J., Gerkema, T., Hoitink, A. J. F. SEAWATT: Sedimentation and Erosion Assessment & Wake Analysis of Tidal Turbines, Tidal kick-off Symposium, Den Oever, 12 March.

Nauw, J.J., Merckelbach, L.M., Ridderinkhof, H., van Aken, H.M. Ferry-based observations of the transport of total suspended matter through the Texel inlet, Nortek North European User Symposium, De Koog & 't Horntje, Texel, 26-27 June.

Nieuwhof, S., van Belzen, J., van de Koppel, J., Herman, P.M.J., van der Wal, D. Spatially extended ecosystem engineering by shellfish. Marine Master Course, Texel, 9 July.

Novoa, S., Wernand, M.R. The fore-ule scale converted to a modern tool for water quality monitoring by citizens, Ocean Optics XXII Conference, Holiday inn by the bay, Portland, Maine, US, October 26–31.

Oudman, T., Bijleveld, A., Dekinga, A., Cluderay, J., Hin, V., Kavelaars, M., de Fouw, J., Holthuijsen, S., Piersma, T., van Gils, J.A. Tracking red knots to explain differences in gut size and diet choice. NAEM meeting, Netherlands, 11-12 February

Peperzak, L. Experience from Facility & Research Centre with different rapid test methods. Ballast Water Workshop 2014, Kiel-Schwentinental, Germany, 2 June.

Peperzak, L. Ships and invasive species: from testing ballast water treatment systems to the development of rapid and cost-effective on-board compliance and self-monitoring techniques. International Conference on Advanced Technologies for Management of Ballast Water & Biofouling (MABB 2014) Chennai, India, 4-7 March.

Peperzak, L. Ships, invasive species and ballast water treatment techniques. How to kill 70 million plankton cells per second in 250 m³ water. Symposium Ocean Present Future, Utrecht University, Utrecht, 14 January.

Rabitti, A., Gerkema, T., van Haren, H., Maas, L. R. M. Internal waves and equatorial ocean dynamics. BBOS PhD's & Post Docs annual meeting, Texel, 29-31 October.

Rao, A., Malkin, S.Y., Meysman, F.J.R. The Influence of Long Distance Electron Transport on Carbonate Dynamics in Sediments and Benthic-Pelagic Coupling. Goldschmidt Conference, Sacramento, USA, 8–23 June.

Ribo, M. et al. incl H. van Haren. Morphobathymetry and formation processes of sediment waves in the Gulf of Valencia continental slope (NW Mediterranean). European Geosciences Union, General Assembly 2014, Vienna, Austria, 27 April-2 May.

Rigaud, S., Maire, O., Polsenaere, P., Meysman F.J.R., Anschutz, P., Deflandre, B. In situ assessment of oxygen dynamics in seagrass meadows. Ocean Sciences Meeting, Honolulu, Hawaii, USA, 23-28 February.

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Rijkenberg, M.J.A., Middag, R., Conway, T.M., Bruland, K.W., de Baar, H.J.W. Excellent consistency of dissolved manganese, iron, cobalt, nickel, copper, zinc, cadmium and lead at the Bermuda crossover station of two Geotraces sections. Ocean Sciences Meeting, Honolulu, Hawaii, 23-28 February.

Roark, B., Prouty, N.G.; Davies, A.J.; Demopoulos, A.; Mienis, F. Using water column characteristics to better understand the cycling of dissolved and particulate matter in Norfolk and Baltimore canyons, ASLO. Honolulu, USA, 23-28 February.

Robertson, C., Demopoulos, A., Bourque, J., Duineveld, G., Mienis, F., Davies, A., Ross, S.W., Brooke, S. Benthic community structure and function in Baltimore Canyon, USA. Ocean Sciences Meeting, Honolulu, Hawaii, 23-28 February.

Robertson, C., Demopoulos, A., Bourque, J., Mienis, F., Duineveld, G., Ross, S.W., Brooke, S. Distinct benthic community trends driven by an enrichment paradox in Mid-Atlantic Bight canyons, NW Atlantic., INCISE Workshop, Edinburgh, UK, 29 September-1 October.

Rodrigo-Gámiz, M., Rampen, S.W., Schouten, S., Sinninghe Damsté, J.S. The impact of oxic degradation on the novel long chain diol temperature proxy. Californian Goldschmidt, Sacramento, USA, 8-13 June.

Rolison, J.M., Middag, R., Stirling, C.H., Rijkenberg, M.J.A., de Baar, H.J.W. Dissolved trace metal distributions in the Black Sea and Bannock Basin: results from the recent MedBlack GEOTRACES expedition. Goldschmidt Conference, Sacramento, California, USA, 8-13 June

Rush, D., Sinninghe Damsté, J., Poulton, S., Thamdrup, B., Acuna Gonzalez, J., Schouten, S., Jetten, M., Talbot, H. Anammox: Source of BHT stereoisomer in marine sediments. Californian Goldschmidt, Sacramento, USA, 8-13 June and Darwin Days 2014, Noordwijkerhout, 20-21 November.

Seitaj D., Gambari, F., Slomp, C., Meysman, F.J.R. Microbial innovation and the quest for electron donors in marine sediments. Darwin Days, Conference of Darwin centre for Biogeosciences, Noordwijkerhout, 20-21 November.

Seitaj, D., Malkin, S.Y., Schauer, R., Meysman, F.J.R. Efficient sulfide detoxification in seasonally hypoxic sediments by competing S-oxidizing bacteria. International colloquium on Low Oxygen Environments In Marine, Estuarine And Fresh Waters, Liege, Belgium, 5–9 May.

Seitaj, D., Robert, C., Aller, Jaime Soto-Neira, Qing Zhu, Meysman F.J.R. Hunting for cable bacteria in Long Island Sound. 2nd international workshop on Microbial long-distance electron transport mediated by cable bacteria", Antwerp, Belgium, 27–30 October.

Sinninghe Damsté, J. GDGT-based paleotemperature proxies: Recent developments in calibration and application. Brown University, USA, 1 August.

Sinninghe Damsté, J. New research programme: Netherlands Earth System Science Center. 12th Nederlands Aardwetenschappelijk Congres (NAC 12), Veldhoven, 8-9 April.

Sinninghe Damsté, J. Potential application of branched tetraether lipids as palaeo-environmental and palaeoclimatic proxies in lakes and marine systems. Goldschmidt Conference, Sacramento, USA, 8-13 June.

Sinninghe Damsté, J.S., Warden, L., Sollai, M., Mets, A., Moros, M. Determining the predominant cause of anoxia in the Baltic Sea over the Holocene. The 12th Colloquium on Baltic Sea Marine Geology, Warnemünde, Germany, 8-12 September.

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Soetaert, K. Invited talk. Boundary value problems in the open-source software R. International conference on numerical analysis and applied mathematics, Rhodos, Greece, 22-26 September.

Soetaert, K. Invited talk. Modeling Benthic-Pelagic coupling. 8th European Conference on Ecological Modelling. Beyond boundaries: next generation modelling, Marrakech, Morocco, October 27-30.

Soetaert, K. Invited talk. Regime shifts in tidal estuaries: biogeochemical implications. Workshop Hamburg, Germany, 4-5 September.

Soetaert, K. Invited talk. Solving differential equations in R. Use R conference, Los Angeles, USA, July.

Soissons, L.M., Li B., Han, Q., van Katwijk, M.M., Ysebaert, T., Herman, P.M.J., Bouma, T.J. Contrasting responses of two indicators in seagrass beds: Site and Timing effects. Netherlands Annual Ecology Meeting, Lunteren, 11-12 February.

Sollai, M., Hopmans, E.C., Schouten, S.; Keil, R.G., Sinninghe Damsté, J.S. Intact polar lipids as indicators of N-cycling in the Eastern tropical North Pacific oxygen minimum zone. 2014 Ocean Sciences Meeting, Honolulu, Hawaii, USA, 23-28 February.

Sollai, M., Warden, L., Bale, N.J., Hopmans, E.C., Mets, A., Moros, M., Sinninghe Damsté, J.S. Heterocyst glycolipids in the Baltic Sea: species distribution and potential applications as tracers of anoxic events. Darwin Days 2014, Noordwijkerhout, 20-21 November.

Stal, L.J. MaCuMBA. 7th EFIB Industry workshop, Reims, France, 29-30 September.

Stal, L.J. Microbial mats: a living entity (keynote). FNRS Astrobiology Meeting, Liege, Belgium, 3 November.

Stal, L.J., Wijnholds, A., Grego, M. Strain selection for biodiesel production. InteSusAI project meeting, Olhão, Portugal, 8-9 April.

Steenhauer, L., Pollard, P., Carreira, C., Limpens, R., Koster, A. Brussaard C.P.D. Isolation and characterization of a virus infecting the invasive filamentous cyanobacterium *Cylindrospermopsis raciborskii* in the Netherlands. ICHA-16th International Conference on Harmful Algae, Queensland, Australia, 27-31 October.

Steinhardt, J., Cléroux, C., de Nooijer, L.J., Ullgren, J., Durgadoo, J.V., Brummer, G.-J.A., Zahn, R., Ganssen, G., Reichart, G.-J. Reconstructing eddies using Mg/Ca of multiple species of planktonic foraminifera. AGU Fall Meeting, San Francisco, USA, 15-19 December.

Steinhardt, J., Ullgren, J., De Nooijer, L., Cléroux, C., Durgadoo, J.V., Brummer, G.-J.A., Reichart, G.J. Tracking eddies in the Mozambique Channel based on single specimen foraminiferal Mg/Ca analyses. Nederlands Aardwetenschappelijk Congres 12, Veldhoven, 8-9 April

Stichel, T., Kretschmer, S., Lambelet, M., van der Flierdt, T., Rutgers van der Loeff, M., Rijkenberg, M.J.A., Gerringa, L.J.A., de Baar, H.J.W. The interplay between particulate and dissolved neodymium in the Western North Atlantic: First insights and interpretations. AGU Fall Meeting, San Francisco, USA, 15-19 December.

Stirling, C.H., Rolison, J.M., Middag, R., Rijkenberg, M.J.A., de Baar, H.J.W., 2014. Biogeochemical cycling of uranium in redox-controlled environments: A 238U/235U case study of the Black Sea. Goldschmidt Conference, Sacramento, California, USA, 8-13 June

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Sulu-Gambari, F., Seitaj, D., Meysman, F.J.R., Slomp, C.P. Sediment phosphorus dynamics in a marine coastal lake: Response to seasonal variations in bottom water redox conditions. 46th International Liège colloquium on ocean dynamics, Liège, Belgium, 5-9 May.

Svensson E., Schouten, S., Hopmans, E.C., Middelburg, J.J., Sinninghe Damsté, J.S. Compound-specific nitrogen isotope analysis of nitrogen-containing membrane lipids and their biosynthetic amino acid precursors. Basis annual meeting 2014, Nijmegen, 27-28 March.

Svensson, E., Schouten, S., Hopmans, E.C., Middelburg, J.J., Sinninghe Damsté, J.S. The $\delta^{15}\text{N}$ of intact polar lipids – method development and first results. 2014 Ocean Sciences Meeting, Honolulu, Hawaii, USA, 23-28 February.

Thieltges, D.W. Introduction to the project 'Effects of invasive species on native predator-prey and pathogen-host webs', 13th Symposium Waddenacademie, Leeuwarden, 10-11 December.

Thieltges, D.W. Parasite biodiversity and the functioning of marine ecosystems, First Mares Conference Marine Ecosystems Health and Conservation, Olhão, Portugal, 17-21 November.

Thieltges, D.W. Parasites in food webs – from consumers to resources. 4th Symposium of the DFG Priority Programme 1399 on host-parasite coevolution, Noer, Germany 29 September-2 October.

Timmermans, K.R. Biomassateelt op zee , Energy Board meeting, Den Oever, 5 March.

Timmermans, K.R. Maar waarom zeewier? NIOZ, Texel, 7 July.

Timmermans, K.R. Seaweeds harvest the future , CEFAS, Norwich, United Kingdom, 27 March.

Timmermans, K.R. Zeewier: het gewas van de toekomst?" NIOZ, Texel, 4 October.

Timmermans, K.R., Seaweed cultivation, Water innovation conference Amsterdam, 11 December.

Van Avesaath, P.A. JERICO Board meeting, Oral presentation on "Development and implementation of a pan-European Marine Biodiversity Observatory System – EMBOS". Brussels, Belgium, 26 February.

Van Belzen, J., Skow, M.W., Blight, A.J., Davies, A.J., Hawkins, S.J., Herman, P.M.J., Bouma, T.J. The role of tidal settings on coastal protection services and stability of intertidal habitats. The Netherlands Annual Lunch talk, Delft University of Technology, 10 June.

Van Belzen, J., van de Koppel, J., Herman, P.M.J., Bouma, T.J. Disturbing signs: Comparing the resilience of saltmarshes using experimental disturbances. Netherlands Annual Ecology Meeting, Lunteren, 11-12 February and The Netherlands Annual Lunch talk, Utrecht University, 22 May.

Van de Koppel J., Rietkerk, M. A pretty pattern or a pivotal process? A tale of spatial self-organization in ecology. Keynote speaker. SEPM autogenic patterns symposium, Grand Junction, Colorado, USA, 5 August.

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Van de Koppel J., Rietkerk, M. Surfing the waves of spatial ecology. Keynote talk. Netherlands Annual Ecology Meeting, Lunteren, 11-12 February.

Van de Koppel, J. Does behavior matter ... in a self-organized world. Invited speaker. Movement ecology workshop. Fieldstation the Herdershut, Schiermonnikoog, 16 September.

Van de Koppel, J. Land uit Zee. Vlaams-Nederlandse Schelde Commissie, Bergen op Zoom, 5 November.

Van de Koppel, J. Lecture. University College Roosevelt, 10 February.

Van de Koppel, J. Mussel beds: As strong as steel. Keynote lecture. IMARES annual meeting, IJmuiden, 15 April.

Van de Koppel, J. On mussels and patterns. Invited talk. Analysis and Dynamical Systems group, Leiden University, 17 November.

Van de Koppel, J. Ruimte! Essentieel voor getijdenatuur. Zeeuwse province and NGO's at the NIOZ-Yerseke, 20 February.

Van de Koppel, J. Salt marsh dynamics; A tale of troubles. Invited lecture. University College Roosevelt, 13 April.

Van de Koppel, J. Spatial self-organization of intertidal systems. Invited talk. Ghent University, Terrestrial Ecology Unit, 16 April.

Van de Koppel, J. Spatial self-organization. On a search for general principles. Invited talk. ETH Zurich, Switzerland, 20 May.

Van de Koppel, J. Using ecological self-organization for procedural content generation in virtual ecosystems. University of Konstanz, Germany, 23 May and Utrecht University, 28 May.

Van de Koppel, J., Rietkerk, M. Marine animals, living in an invisible world. Invited talk. Wageningen University, 14 February.

Van de Koppel, J., Rietkerk, M. Mechanisms of pattern formation in real ecosystems. Keynote lecture. Lorentz Workshop "Spatio-temporal dynamics in Ecology", Leiden University, 8 December.

Van der Does, M., Korte, L., Munday, C., Brummer, G.-J. A., Stuur, J.-B.W. Saharan dust and its relations to climate, ICAR-8, Lanzhou, China, 21-25 July

Van der Meer, J. A first introduction into Dynamic Energy Budget theory: assumptions and consequences. ICES WGIPM, Haarlem, 20 March.

Van der Meer, J. Some further notes on Dynamic Energy Budget theory: parameter estimation. COST Conservation Physiology of Fish, Haarlem, 22-26 March.

Van der Meer, J., Kooijman, S.A.L.M. Inference on energetics of deep-sea fish that cannot be aged: The case of the hagfish. MARES conference, Faro, Portugal, 17-21 November and OST Conservation Physiology of Fish, Thessaloniki, Greece, 20-24 November.

van der Meer, M. D/H of alkenones as proxy for paleo sea surface salinity. Stable water isotopes and climate Workshop, Stockholm University, Sweden, 20-22 October.

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van der Meer, M., M'Boule, D., Kasper, S., Chivall, D., Sinke, D., Schefuss, E., Schouten, S., Sinninghe Damsté, J. Impact of species composition on paleosalinity reconstructions from coastal δD alkenone records. Goldschmidt Conference, Sacramento, USA, 8-13 June.

van der Meer, M.T.J., M'Boule, D., Chivall, D., Kasper, S., Sinke, D., Schouten, S., Sinninghe Damsté, J.S. Developing new methods to estimate paleosalinity; understanding the past as key to future climate change. 12th Nederlands Aardwetenschappelijk Congres (NAC 12), Veldhoven, 8-9 April.

van Dijk, I., de Nooijer, L.J., Hart, M.B., Reichart, G.J. Success of foraminiferal calcification mechanisms depend on ocean chemistry. AGU Fall Meeting, San Francisco, USA, 15-19 December.

van Dijk, I., de Nooijer, L.J., Wolthers, M., Reichart, G.J. Decoupling the effects of seawater carbonate chemistry on foraminiferal calcification. Nederlands Aardwetenschappelijk Congres 12, Veldhoven, 8-9 April.

van Dijk, I., de Nooijer, L.J., Wolthers, M., Reichart, G.J. Towards a new proxy for ocean acidification parameters: Zn/Ca of foraminiferal calcite. The Micropaleontology Society (TMS) Spring Meeting 2014, Den Burg, 23-25 June.

van Gils, J.A. How effects of Arctic climate change on a long-distance migrant shorebird may carry-over to its tropical wintering grounds. Global and Regional Environmental Changes: Responses of Marine Ecosystems. Symposium of the Institute for Basic Science, Seoul, South-Korea. 13 February.

van Gils, J.A. Phenotypische flexibiliteit in kanoeten. Lectures for MSc students Wageningen University, 3 October.

van Haren, H. Observations on Oceanography. EUPRO-lecture, École Centrale de Lyon, France, 14 May.

van Haren, H. Energy release through internal wave breaking at underwater topography. Seminar Earth Sciences, the University of Tokyo, Japan, 8 August.

van Haren, H., Variable large internal wave breaking above a NE-Atlantic guyot. AOGS2014, Sapporo, Japan, 28 July-1 August.

Van Oevelen, D. Lecture 'Cold water coral reefs – Hotspots in the deep ocean' Utrecht University in the MSc course Marine Sciences, 13 October.

Van Oevelen, D., Cathalot, C., Cox, T., Lavaleye, L., Duineveld, G., Kutti, T., Fosså, J.H., Soetaert, K., Heip, C., Meysman, F.J.R. Reefs of the deep: Hotspots of carbon processing along continental margins. Kick-off meeting SedExSponge, Bergen, Norway, 17-19 February.

Van Oevelen, D., De Goeij, J.M., Vermeij, M.J.A., Osinga, R., Middelburg, J.J., De Goeij, A.F.P.M., Admiraal, W. Surviving in a marine desert: The sponge loop retains resources within coral reefs. Ghent University, Belgium, 26 March.

Van Oevelen, D., Soetaert, K. Cold-water coral reef communities: Hotspots in the deep ocean. Marine sciences symposium, Utrecht, 16 January.

Van Oevelen, D., Stratmann, T., Soetaert, K. How can we use modeling to define the impact of disturbance on food webs & ecosystem function? MIDAS workshop Wilhelmshaven, Germany, 11-13 March.

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Van Oevelen, D. Lecture 'Cold water coral reefs – Hotspots (of interactions) at the deep seafloor' at the Vrije Universiteit Amsterdam in the MSc course 'Evolution of Species Interactions Lecture', 6 November.

Van Oevelen, D. Lecture 'Deep sea ecosystems' in the MSc course "Benthic ecosystems' at the University of Amsterdam, 4 December.

Van Slooten, C., Peperzak, L. Ships and invasive species: Ballast water treatment techniques, efficacies and novel rapid methods to assess discharge water quality. Marine Invasive Species: Management of Ballast Water and Other vectors, Muscat, Sultanate of Oman, 17-19 February.

van Soelen, E., Santos, R.V., Hoorn, C., Sinninghe Damsté, J.S., Kim, J-H. Paleo-environment in the Upper Amazon basin during early to middle Miocene. European Geosciences Union, General Assembly 2014, Vienna, Austria, 27 April-2 May.

Vasquez-Cardenas, D., Malkin, S., van de Vossenberg, J., Polerecky, L., Schauer, R., Middelburg, J.J., Meysman, F., Boschker, H.T.S. Microbial communities and carbon metabolism associated with electrogenic sulfur oxidation in coastal sediments. 15th International Symposium on Microbial Ecology (ISME 15), Seoul, South-Korea, 24-25 August.

Vasquez-Cardenas, D., Meysman, F.J.R., Boschker, H.T.S. Dark carbon fixation in coastal sediments. Darwin Center, NESSC & SIAM Days, Noordwijkerhout, 20-21 November.

Villanueva, L., Schouten, S., Sinninghe Damsté, J.S. Depth-related distribution of a key gene of the GDGT biosynthetic pathway in marine Thaumarchaeota and implications for the GDGT signal. Workshop GDGT-based proxies: State of the art and future directions, Texel, 23-25 April.

Vogels, S.A., Ganssen, G.M., Brummer, G.J.A. Effect of seasonal acidification on the calcification of *Globigerinoides ruber sensu stricto* and *Globigerina bulloides*. Nederlands Aardwetenschappelijk Congres 12, Veldhoven, 8-9 April

Warden, L., Sollai, M., Mets, A., Bale, N., Hopmans, E., Moros, M., Sinninghe Damsté, J.S. Determining the predominant cause of anoxia in the Baltic Sea over the Holocene. Gordon Research Seminar on Organic Geochemistry, Holderness School Plymouth, NH, USA, 2-3 August.

Weber, Y., De Jonge, C., Hopmans, E.C., Sinninghe Damsté, J.S., Gilli, A., Lehmann, M.F., Niemann, H. In situ production of branched GDGT in lakes: New insights from sediments and soils of the Swiss Alps. Workshop GDGT-based proxies: State of the art and future directions, Texel, 23-25 April.

Weber, Y., De Jonge, C., Hopmans, E.C., Sinninghe Damsté, J.S., Gilli, A., Lehmann, M.F., Niemann, H. Lipid-based palaeotemperature reconstruction in lakes: New insights on the applicability of branched GDGTs in lacustrine sedimentary archives. European Geosciences Union, General Assembly 2014, Vienna, Austria, 27 April-2 May.

Welsh, J.E., van der Meer, J., Brussaard, C., Thielges, D.W. Biodiversity & Disease Risk: If only it were so simple! 7th International Symposium on Aquatic Animal Health. Portland, Oregon, USA, 31-5 August.

Welsh, J.E., van der Meer, J., Brussaard, C., Thielges, D.W. Biodiversity & Disease Risk: If only it were so simple! 49th European Marine Biological Symposium. St. Petersburg, Russia, 8-12 September.

Wernand, M.R., Aquarelleren met Poseidon – kleur de zee. World Ocean Day 2014, NIOZ Texel, June 7.

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Werne, J., Woltering, M., Halbur, J., Sinninghe Damsté, J., Schouten, S., Munoz-Ucros, J. Hicks, R. Why does the TEX₈₆ seem to work in sediments of Lake Malawi? Goldschmidt Conference, Sacramento, USA, 8-13 June.

Werne, J.P., Woltering, M., Halbur, J., Sinninghe Damsté, J.S., Schouten, S., Munoz-Ucros, J., Hicks, R., Loomis, S., Caballero, M., Lozano-Garcia, S., Correa-Metrio, A. Applications of GDGTs as paleothermometers in lakes. Workshop GDGT-based proxies: State of the art and future directions, Texel, 23-25 April.

Wijnholds, A., Stal, L.J., Increasing the lipid production of *Phaeodactylum tricornutum*. InteSusAI project meeting, Olhão, Portugal, 21-22 October.

Wijnhoven, S. Identifying the gap between the rivers and the sea. Invited speaker at SEFINS Cluster Conference 2014; 'Bridging the Gap: Working together to tackle invasive non-native species in Europe', Norwich, UK, 24 September.

Wijnhoven, S. Mesozoöplankton; Resultaten MONEOS Westerschelde monitoring 2011-2013 in relatie tot de evaluatie van het Schelde-estuarium volgens de Evaluatiemethodiek. Invited speaker at MONEOS workshop, Roosendaal, 23 September.

Wu, Y., Goldstein, S.L., Pena, L.D., Hartman, A.E., Rijkenberg, M.J.A., de Baar, H.J.W. How Well Do Neodymium Isotopes Trace AMOC Mixing? A Test in the Southwest Atlantic. AGU Fall Meeting, San Francisco, USA, 15-19 December.

Xie, R.C., Galer, S., Abouchami, W., Rijkenberg, M., De Jong, J. Cadmium isotope distribution along the western boundary of the South Atlantic. Ocean Sciences Meeting, Honolulu, Hawaii, 23-28 February.

Xie, R.C., Galer, S.J.G., Abouchami, W., A., R.M.J., de Jong, J., de Baar. Biogeochemical and circulation control on cadmium isotope distribution in the western South Atlantic. Aquatic Sciences, Portland, Oregon, USA, 18-23 May.

Zaaboub, N., Bejaoui, B., Khalfallah, W., Rijkenberg, M.J.A. Phosphorus cycling in sediment gulf of Gabes (Eastern Mediterranean Sea, Tunisia) and Modeling of phosphorus dispersion. Challenger Society Conference, Plymouth, UK, 8-11 September.

Zetsche, E. Applications of digital holographic microscopy in the marine sciences. 2nd international workshop on "Microbial long-distance electron transport mediated by cable bacteria", Antwerp, Belgium, 27-30 October.

Zetsche, E. SNOW-FLOW: Characterizing flow and diffusion around and within marine snow aggregates as a function of porosity and TEP content. Seminar, Lovén Centre, Tjärnö, Sweden, 14 April.

Zhu, Z., Bouma, T.J., Cao, H., Ysebaert, T., Zhang, L., Herman, P.M.J. Seed dynamics in tidal salt marshes: identifying key factors: Governing seedling establishment of *Spartina*. 4th International Conference on Invasive *Spartina*, Rennes, France, 7-10 July.

Zhu, Z., Cozzoli, F., Ysebaert, T., Zhang, L., Herman P.M.J., Bouma, T.J. Physical force and ecosystem engineers can act in synergy in seed burial in tidal habitats. Coastal Ecology Workshop, Saint Malo, France, 28-30 October.

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Technology: Designs, prototypes and patents

Wernand M.R., COmpact Remote Sensor for Aquatic Intelligent Radiometry (Corsair), low-cost 7-channel spectroradiometer for water color measurement – prototype.

Wernand M.R., Modern Forel-Ule Scale Toolkit for a simple determination and classification of the colour of natural waters. it includes the Modern Forel-Ule Scale with a colour palette of 21 different colour bars ranging from indigo-blue (index 1) via green (index 10) to cola-brown (index 21) and a Secchi Disk (30 cm in diameter) with an attachment mount to connect weight and rope. Commercially available and manufactured by ATELIER VIX, Amsterdam, <http://forel-ule-scale.com/>

Posters

Abril, G., Martinez, J.-M., Artigas, L.F., Moreira-Turcq, P., Benedetti, M.F., Vidal, L., Meziane, T., Kim, J.-H., Bernardes, M.C., Deborde, J., Lima Souza, E., Albéric, P., Landim de Souza, M.F., Roland, F. Wetlands as a large carbon source for inland waters. European Geosciences Union, General Assembly 2014, Vienna, Austria, 27 April-2 May.

Achterberg, E.P., Li, K., Gledhill, M., Rijkenberg, M. Influence of ocean acidification on trace metal speciation. Ocean Sciences Meeting, Honolulu, Hawaii, 23-28 February.

Avesaath, P. van , Engelberts, A., Hummel H. Scientific highlight: Tourism and the nuisance of Pacific oysters. Local stakeholders have taken up the battle, but not only with the oysters. Vectors GA meeting 18-19 November.

Bale, N., Hopmans, E., Villareal, T., Zell, C., Sinninghe Damsté, J., Schouten, S. Novel lipid biomarkers for past oceanic N₂ fixation. AGU Fall Meeting, San Francisco, California, USA, 15-19 December.

Bijl, P., Sluijs, A., Schouten, S., Brinkhuis, H., and a team of collaborators. Significant continental ice volumes on mid-Paleocene Antarctica? Latitudinal temperature gradients, sea level change and the carbon cycle. Climate and Biotic Events in the Paleogene. Ferrara, Italy, 1-6 July.

Bijl, P.K., Schouten, S., Pancost, R.D., Hollis, C.J., Pross, J., Contreras, L., Sluijs, A., Bendle, J.A.P., Huber, M., Brinkhuis, H. A summer bias in southern high latitude GDGT-based marine and terrestrial temperature proxies? Some new insights from terrestrial palynomorphs and climate model simulations. Workshop GDGT-based proxies: State of the art and future directions, Texel, 23-25 April.

Bijl, P.K., van der Werf, A., Schlupepmann, H., Reichart, G.J., Brouwer, P., Nierop, K.G.J., Hellgardt, K., Brinkhuis, H. The potential of the fresh-water fern *Azolla* in aquatic farming systems. European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April-2 May.

Bolhuis, H., Hörnlein, C., Cretoiu, M.S., Cardoso, D.C., Stal, L.J. The Genome of *Lyngbya aestuarii*: An ecological perspective. 9th European Workshop on Molecular Biology of Cyanobacteria (9EWMB), Texel, 7-10 September.

Borges, A.V., Meysman, F.J.R., Darchambeau, F., Beulen, A., Roland, F., Harlay, J. CO₂, CH₄ and N₂O dynamics and fluxes in the brackish Lake Grevelingen (The Netherlands). EGU General Assembly 2014, Vienna, Austria, 7-12 April.

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Boye, M., Dulaquais, G., Carton, X., Rijkenberg, M., de Baar, H. First assessment of the dissolved cobalt partitioning between the soluble and colloidal fractions in the upper westnorthern Atlantic. Ocean Sciences Meeting, Honolulu, Hawaii, 23-28 February.

Brenner, H., Braeckman, U., Le Guitton, U., Meysman, F.J.R. Alkalinity release from sediments and impact on the water column CO₂ system in the North Sea. Ocean Science Meeting, Honolulu, USA, 23-28 February.

Bruin, T.F. de. Data van een veranderende Noordzee. Noordzeedagen 2014, NIOZ, Texel, 2-3 October.

Burdorf, L.D.W., Malkin, S.Y., Seitaj, D., Meysman, F.J.R. The effect of oxygen availability on long distance electron transport. International colloquium on Low Oxygen Environments In Marine, Estuarine And Fresh Waters, Liege, Belgium, 5–9 May.

Cadée, G.C., Grazing periwinkles *Littorina littorea* produce holes in Pacific oyster shells. Annual meeting Palaeontological Association, Leeds, UK, 16-19 December.

Camalich, J., Svensson, E., IJsseldijk, L.L., Brasseur, S., Witbaard, R., Schouten, S. Using $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ to study dietary habits and migrational patterns of bow caught and stranded fin whales (*Balaenoptera physalus*) in the Netherlands. European Cetacean Society Conference, Liege, Belgium, 5-9 April.

Camalich, J., Svensson, E., IJsseldijk, L.L., Brasseur, S., Witbaard, R., Schouten, S. Bulk and amino acid stable isotope analysis of fin whale baleens. European Cetacean Society Conference, Liege, Belgium, 5-9 April.

Campbell, P.L., Prouty, N.G., Mienis, F. Insights of seasonal input of organic matter to deep-sea corals through biomarker analysis. Ocean Sciences Meeting 2014, Honolulu, Hawaii, USA, 23-28 February.

Campbell-Swarzenski, P.; Prouty, N.G.; Mienis, F.; Ross, S.W. Lipid biomarkers track changing organic matter loads to gulf of Mexico deep-water corals. ASLO, Honolulu, USA, 23-28 February.

Carreira, C., Staal, M., Middelboe, M., Brussaard, C.P.D. How viruses, chemical compounds and fungi shape microbial mats. ASLO Ocean Science Meeting, Hawaii, USA, 23-28 February.

Caulle, C., Koho, K., Mojtahid, M., Reichart, G.J., Jorissen, F. Live (Rose Bengal stained) foraminiferal faunas from the northern Arabian Sea: faunal succession within and below the OMZ. European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April-2 May.

Chan Y.-C., Hassell C. J., Theunis P. Detecting spatial structures in shorebird populations from mark-resighting data. International Wader Study Group Annual Conference, Haapsalu, Estonia, 26-29 September.

Chivall, D., M'Boule, D., Heinzemann, S.M., Kasper, S., Sinke-Schoen, D., Sinninghe Damsté, J.S., Schouten S., van der Meer, M.T.J. Towards a palaeosalinity proxy: hydrogen isotopic fractionation between source water and lipids produced via different biosynthetic pathways in haptophyte algae. Gordon Research Conference on Organic Geochemistry, Holderness School Plymouth, NH, USA, 3-8 August.

Cimatoribus, A., Drijfhout, S., den Toom, M., Dijkstra, H., Control of the Atlantic Meridional Circulation Stability by freshwater transport: a framework to interpret results from climate models. EGU 2014, Austria, 27 April-2 May.

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Contreras Quintana, S., Werne, J., Brown, E., Halbur, J., Sinninghe Damsté, J., Schouten, S., Correa-Metri, A., Fawcett, P. Evaluating spatial heterogeneity and environmental variability inferred from branched glycerol dialkyl glycerol tetraethers (GDGTs) distribution in soils from Valles Caldera, New Mexico. AGU Fall Meeting, San Francisco, California, USA, 15-19 December.

Costa-Böddeker, S., Thuyên, L.X., van Gaever, P., de Stigter, H., Huy, H.D., Hoelzmann, P., Schwarz, A., Schwalb, A. Environmental assessment of a coastal zone in southern Vietnam: a multi-proxy approach. Vietnam colloquium, Leibniz Center for Tropical Marine Ecology, Bremen, Germany, 17 December.

Cretoiu, M.S., Berini, F., Kielak, A.M., Marinelli, F., van Elsas, J.D. Novel salt-resistant bacterial chitinase revealed by metagenomics. 15th International Symposium on Microbial Ecology (ISME 15), Seoul, South-Korea, 24 - 29 August.

Daggers, T.D., Herman, P.M.J., Kromkamp, J.C., Bouma, T.J., Van der Wal, D. Benthic diatoms as indicators for ecosystem structuring in tidal shallow waters. Netherlands Annual Ecology Meeting, Lunteren, 11-12 February.

De Bar, M.W., de Nooijer, L.J., Schouten, S., Sluijs, A., Reichart, G.-J. A 60 Myr sea surface temperature record of the Northern Atlantic Ocean using a multi-proxy approach (Bass River, NJ, USA). Nederlands Aardwetenschappelijk Congres 12, Veldhoven, 8-9 April and TMS joint Foraminifera and Nannofossil Spring Meeting 2014, Texel, 23-25 June.

De Jonge, C., Hopmans, E.C., Stadnitskaia, A., Schouten, S., Sinninghe Damsté, J.S. Novel branched glycerol dialkyl glycerol tetraethers: occurrence in the environment and implications for the palaeoclimate reconstructions. Gordon Research Conference on Organic Geochemistry, Holderness School Plymouth, NH, USA, 3-8 August.

De Lima Sobrinho, R., Zell, C.I., Kim, J.-H., Abril, G., Moreira-Turcq, P., Mortillaro, J.-M., Sinninghe Damsté, J.S., Corrêa Bernardes, M. Seasonal and spatial contrasts of sedimentary organic carbon in floodplain lakes of central Amazon basin. 12th Nederlands Aardwetenschappelijk Congres (NAC 12), Veldhoven, 8-9 April.

De Nooijer, L., Dijk, I.E.Y., Reichart, G.J. Ocean chemistry controls trends in foraminiferal mineralogy. European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April-2 May.

De Paoli, H., van der Heide, T., Christianen, M., van de Koppel, J. Which mussel team is going to survive the terrible mudflat? Netherlands Annual Ecology Meeting, Lunteren, 11-12 February.

De Paoli, H., van der Heide, T., Christianen, M., van de Koppel, J. Don't Panic, Organize, Can subtidal mussels be used to restore intertidal mussel beds? Benthic Ecology Meeting, Jacksonville, Florida, USA, 19-22 March.

Demopoulos, A., Robertson, C., Bourque, J., Mienis, F., Duineveld, G., Davies, A., Ross, S.W., Brooke, S. Distinct benthic community trends driven by particle transport and deposition in Mid-Atlantic Bight canyons, NW Atlantic. AGU Fall Meeting, San Francisco, USA, 15-19 December.

Dessandier, P.A., Bonnin, J., Kim, J.H., Gremare, A., Deflandre, B., Sinninghe Damsté, J.S. Distribution of living benthic foraminifera off the Douro river (western Iberian margin): the importance of the terrestrial organic matter. European Geosciences Union, General Assembly 2014, Vienna, Austria, 27 April-2 May.

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Feenstra, E., Vonhof, H., Mienis, F., Verdegaal, S., Reymer, J. Stable isotopes of fluid inclusions: a new method to ground truth climate archives in coral skeletons. 19th International Sedimentological Conference, Geneva, Switzerland, 18-22 August.

Frieling, J., Gebhardt, H., Adekeye, O., Akande, S., Reichart, G.-J., Middelburg, J., Schouten, S., Matthew Huber, M., Sluijs, A. The Paleocene – Eocene Thermal Maximum: Temperature and ecology in the tropics. AGU Fall Meeting, San Francisco, California, USA, 15-19 December.

Frieling, J., Gebhardt, H., Adekeye, O.A., Akande, S.O., Reichart, G.J., Schouten, S., Sluijs, A. Absolute sea surface temperature of tropical oceans during the Paleocene-Eocene Thermal Maximum: TEX₈₆ estimates supported by Mg/Ca and $\delta^{18}\text{O}$. Workshop GDGT-based proxies: State of the art and future directions, Texel, 23-25 April.

Gerla, D.J., Baussant, T., Van Oevelen, D. Sedimentation on cold water coral. Netherlands Annual Ecology Meeting, Lunteren, 11-12 February.

Grosse, J., Boschker, H.T.S. Response of phytoplankton to resource limitation – A compound specific isotope study on shifts in macromolecule biosynthesis. Ocean Science Meeting, Honolulu, HI, USA. 23-28 February.

Heinzelmann, S.M., Villanueva, L., Schouten, S., Sinnighe Damsté, J.S., van der Meer, M.T.J. D/H ratio of fatty acids as a tool to infer the metabolism of microbial communities. Gordon Research Conference on Marine Microbes, Waltham, MA, USA, 22-27 June.

Hopmans, E.C., De Jonge, C., Kim, J.-H., Schouten, S., Sinnighe Damsté, J.S. Improved chromatography for GDGT based paleoproxies. Gordon Research Conference on Organic Geochemistry, Holderness School Plymouth, NH, USA, 3-8 August.

Hörnlein, C., Stal, L., Bolhuis, H. Rhythm on the beach. Coastal microbial mats and *Lyngbya aestuarii*. 9th European Workshop on Molecular Biology of Cyanobacteria (9EWMBC), Texel, 7-10 September.

Hörnlein, C., Stal, L.J., Bolhuis, H. Rhythm on the Beach: Metabolic Pathways in Coastal Microbial Mats. 9th European Workshop on Molecular Biology of Cyanobacteria (9EWMBC), Texel, 7-11 September.

Hummel, H. EurOcean2014: Connecting Science, Policy and People - Setting a seas and oceans research agenda for Europe. Poster presentations, “MARS: The European network of marine research institutes and stations” and “MARS – EMBOS: Towards a European Marine Observatory System”. CNR, Rome, Italy, 7–9 October.

Kandiano, E., van der Meer, M.T.J., Bauch, H., Fahl, K., Sinnighe Damsté, J.S., Schouten, S. Climatic implications of foraminiferal and biogeochemical reconstructions in the Nordic Seas during interglacial MIS 11c. The second PAST---Gateways Conference, Trieste, Italy, 23 -27 May.

Kasper, S., Castañeda, I., Tjallingii, R., Brummer, G.-J., Schneider, R., Sinnighe-Damsté, J.S., Schouten, S., van der Meer, M.T.J. Alkenone based constraints of the hydrological development in the Mozambique channel over the last 39,000 years EGU General Assembly, Vienna, Austria, 29 April.

Kim, J.-H., Buscail, R., Zell, C., Ludwig, W., Dorhout, D., Sinnighe Damsté, J.S. Sources of tetraether lipids at the land-ocean interface of two contrasting river systems (Amazon vs. Rhône): implications for the MBT/CBT proxy. 2014 Ocean Sciences Meeting, Honolulu, Hawaii, USA, 23-28 February.

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Kim, J-H., Buscail, R., Fanget, A.S., Eyrolle-Boyer, F., Bassetti, M.A., Dorhout, D., Baas, M., Berné, S., Sinninghe Damsté, J.S. Impact of river channel shifts on tetraether lipids in the Rhône prodelta (NW Mediterranean): Implication for the BIT index as an indicator of paleoflood events. European Geosciences Union, General Assembly 2014, Vienna, Austria, 27 April-2 May.

Kromkamp J., Silsbe G. Automated FRRF measurements as alternative tool to measure phytoplankton primary production. Ocean Optics XII conference, Portland, Maine, USA, 26-31 October.

Lambelet, M., van de Flied, T., Crocket, K., Rehkämper, M., Kreissig, K., Coles, B., Rijkenberg, M.J.A., Gerringa, L.J.A., van Aken, H., de Baar, H.J.W. The Neodymium isotopic composition of North Atlantic Deep Water - Revisited. Ocean Sciences Meeting, Honolulu, Hawaii, 23-28 February.

Lengger, S.K., Hopmans, E.C., Sinninghe Damsté, J.S., Schouten, S. Impact of oxic degradation and deep water column production on GDGT abundance and distribution in surface sediments in the Arabian Sea: Implications for the TEX₈₆ paleothermometer. Workshop GDGT-based proxies: State of the art and future directions, Texel, 23-25 April.

Lo, V., Bouma, T., van Colen, C., Airoidi, L. Impacts of eutrophication on salt marsh ecosystem functioning in Grado Lagoon, Italy. First Mares Conference on Marine Ecosystems Health and Conservation, Olhão, Portugal, 17-21 November.

Lubsch, A., Timmermans, K.R. Van der Maarel, M. Seaweeds as a source of high-value products. Netherlands Biotechnology Conference, Ede, 27-28 May.

Maas, L. Experimental falsification of internal-tide-generation paradigm. Hydralab IV closing event, Lisbon, Portugal, 1-5 July,

Malkin, S.Y., Rao, R., Meysman, F. J. R. Cutting the wire: Bioturbation impedes electrogenic sulphur oxidation. Goldschmidt Conference, Sacramento, USA, 8-23 June.

Mezger, E.M., De Nooijer, L.J., Dueñas-Bohórquez, A., Reichart, G.J. Sodium in foraminiferal calcite as a direct proxy for salinity. The Micropaleontological Society Joint Foraminifera and Nannofossil Groups Spring Meeting, Texel, 23-25 June.

Mezger, E.M., De Nooijer, L.J., Reichart, G.J. Sodium in foraminiferal calcite as a direct proxy for salinity. Nederlands Aardwetenschappelijk Congres 12, Veldhoven, 8-9 April.

Mienis, F. Bigger is not always better; How cold-water corals outgrow themselves, Nederlands Aardwetenschappelijk Congres 12, Veldhoven, 8-9 April.

Mienis, F. Duineveld, G.; Robertson, C.; Demopoulos, A.; Davies, A. Particle transport and deposition in the Norfolk and Baltimore canyon, NW Atlantic, Ocean Sciences Meeting 2014, Honolulu, Hawaii, USA, 23-28 February.

Mojica, K.D.A., Brussaard, C.P.D. The influence of water column stratification on the flow of C thru the viral shunt in marine food webs of the Northeast Atlantic Ocean. ASLO Ocean Science Meeting, Hawaii, USA, 23-28 February.

Moons, J.J.S., Ysebaert, T., Herman, P.M.J. Zand erover: Benthic bio-geomorphology of the sandy shoreface. Netherlands Annual Ecology Meeting, Lunteren, 11-12 February and Congres Zandmotor Delflandse Kust, Den Haag, 31 March.

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Moore, E.K., Hopmans, E.C., Rijpstra, W.I.C., Villanueva, L., Mets, A., Dedysh, S.N., Sinninghe Damsté, J.S. Abundant trimethylornithine lipids and specific gene sequences suggest Planctomycetes importance at the oxic/anoxic interface in *Sphagnum*-dominated northern wetlands. KNVM 2014, Papendal, 15-16 April.

Moore, E.K., Hopmans, E.C., Villanueva, L., Rijpstra, W.I.C., Dedysh, S.N., Wienk, H., Schoutsen, F., Stams, A.J.M., Sanchez Andrea, I., Mets, A., Sinninghe Damsté, J.S. Novel amino acid-containing membrane lipids in northern wetland planctomycetes and soil bacteria: Potential biomarkers for microbial populations. Gordon Conference on Organic Geochemistry 2014, Holderness, NH, USA, 3-8 August.

Moreira, L., Moreira-Turcq, P., Kim, J-H., Turcq, B., Cordeiro, R., Caquineau, S., Sinninghe Damsté, J.S. A mineralogical and organic geochemical overview of the effects of Holocene changes in Amazon River flow on floodplain lakes. European Geosciences Union, General Assembly 2014, Vienna, Austria, 27 April-2 May.

Nauw, J. J., Linke, P., Leifer, I. Bubble momentum plume as a mechanism for an early breakdown of the seasonal stratification in the northern North Sea, NCK days, Delft, 27-28 March and . European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April-2 May.

Nauw, J. J., Philippart, C. J. M. Duran-Matute, M., Gerkema, T. Estimates of exposure times in the Wadden Sea using contrasting methods, NCK days, Delft, 27-28 March.

Nierop, K., Sap, M., Dekker, R., Speelman, E.N., Lewan, M.D., de Leeuw, J.W., Reichart, G-J. Temperature induced transformations of *Azolla* specific biomarkers by hydrous pyrolysis. 12th Nederlands Aardwetenschappelijk Congres (NAC 12), Veldhoven, 8-9 April.

Nierop, K.G.J., Jongerius, A.L., Bijl, P.K., Bruijnincx, P.C.A., Klein Gebbink, R.J.M., Reichart, G.J. The potential of the aquatic water fern *Azolla* within a biobased economy. European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April-2 May.

Nieuwhof, S., de Stigter, H., Busink, S., Herman, P.M.J., van der Wal, D. Bioturbators vs Biostabilizers; Opposite Worlds? Netherlands Annual Ecology Meeting, Lunteren, 11-12 February.

O'Connor, P., Brussaard, C.P.D. The impact of viruses on phytoplankton dynamics in the North Sea. ASLO Ocean Science Meeting, Hawaii, USA, 23-28 February.

Oteman, B., van der Wal, D., Bouma T.J., Herman, P.M.J. Salt marsh development observed from space. European Workshop of Coastal Ecology, Saint Malo, France, 28-30 October.

Oudman, T., Hin, V., van Gils, J.A. The effect of diet choice behaviour on prey populations (1st poster prize). Annual NVG-meeting (Netherlands Society for Behavioural Biology), 26-28 November.

Peeken, I., Bakker, K., Fernández Méndez, M., le Guitton, M., Uhlig, C. Will sea-ice thinning as in 2012 promote sea-ice algal growth? Ocean Sciences Meeting 2014, Honolulu, Hawaii, USA, 23-28 February.

Rampen, S.W, Rodrigo-Gámiz, M., Schrader, C.D., Schouten, S., Sinninghe Damsté, J.S. Impact of oxic degradation on long chain alkyl diol proxies. Gordon Research Conference on Organic Geochemistry, Holderness School Plymouth, NH, USA, 3-8 August.

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Randlett, M.-E., Bechtel, A., van der Meer, M., Peterse, F., Litt, T., Pickarski, N., Wehrli, B., Schubert, C.J. D/H-isotopes of n-alkanes as indicator for porewater salinity variations in Lake Van (Eastern Anatolia, Turkey). Genomes to Biomes, Montreal, Canada, 25-29 May.

Rao, A.M., Malkin, S.Y., Meysman, F.J.R. Enhanced alkalinity production in intertidal sands from the Oosterschelde (the Netherlands) induced by the lugworm *Arenicola marina*. Ocean Sciences Meeting, Honolulu, Hawaii, USA, 23-28 February.

Reichart, G.-J., de Bar, M.W., de Nooijer, L.J., Schouten, S., Ziegler, M., Sluijs, A. A 60 Myr sea surface temperature record of the Northern Atlantic Ocean using a multi-proxy approach. AGU Fall Meeting, San Francisco, California, USA, 15-19 December.

Roark, E.B., Prouty, N.G., Davies, A.J., Demopoulos, A., Mienis, F. Using water column characteristics to better understand the cycling of dissolved and particulate matter in Norfolk and Baltimore Canyons. Ocean Sciences Meeting 2014, Honolulu, Hawaii, USA, 23-28 February.

Rodrigo-Gámiz, M., Calvo, E., Rampen, S.W., Pelejero, C., Cacho, I., Schouten, S., Sinninghe Damsté, J.S. A multi-organic proxy approach for reconstructing sea surface temperatures in the Eastern Equatorial Pacific over the last 40 kyr. Workshop GDGT-based proxies: State of the art and future directions, Texel, 23-25 April.

Rolison, J.M., Middag, R., Stirling, C.H., Rijkenberg, M.J.A., de Baar, H.J.W. MedBlack GEOTRACES Expedition: Distribution of dissolved Aluminium. Ocean Sciences Meeting, Honolulu, Hawaii, 23-28 February.

Rolison, J.M., Middag, R., Stirling, C.H., Rijkenberg, M.J.A., de Baar, H.J.W. Dissolved Trace Metal Distributions in the Mediterranean Sea: Results from the MedBlack GEOTRACES Expedition. Goldschmidt Conference, Sacramento, California, USA, 8-13 June.

Salabarnada, A., Escutia, C., Nelson, H., Damuth, J.E., Brinkhuis, H. Varying depositional environments across the Oligocene-Miocene boundary and their relevance for East Antarctic ice sheet history: IODP Site U1356, Wilkes Land margin. European Geosciences Union, General Assembly 2014, Vienna, Austria, 27 April-2 May.

Seitaj, D., Malkin, S., Meysman F.J.R. Microbial sulphide oxidation in seasonally hypoxic coastal sediments: competition between electrogenic filamentous bacteria and begiatoa. Ocean Science meeting, Hawaii, 23-28 February.

Soetaert, K. Benthic-Pelagic coupling in the Black Sea northwestern shelf by Arthur Capet et al. European Geosciences Union General Assembly 2014, Vienna, Austria, 7-12 April.

Soetaert, K. Internannual variability of the biogeochemical fluxes in the deep water formation area in the northwestern Mediterranean Sea from a 3D coupled physical-biogeochemical model by Caroline Ulses et al. European Geosciences Union General Assembly 2014, Vienna, Austria, 7-12 April.

Soissons, L.M., Li, B., Han, Q., van Katwijk, M.M., Ysebaert, T., Herman, P.M.J., Bouma, T.J. A Seagrass tale: The Fast and the slow growing. Netherlands Annual Ecology Meeting, Lunteren, 11-12 February.

Soissons, L.M., Li, B., Han, Q., van Katwijk, M.M., Ysebaert, T., Herman, P.M.J., Bouma, T.J. A Seagrass tale: The Fast and the slow growing. Seagrasses in Europe: Threats, Responses and Management conference, Olhão, Portugal, 4-6 March.

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Sollai, M., Warden, L., Bale, N.J., Hopmans, E.C., Mets, A., Moros, M., Sinninghe Damsté, J.S. Heterocyst glycolipids as tracers of cyanobacterial blooms in the Baltic Sea. A proxy to reconstruct a possible trigger of anoxic events. The 46th International Liege Colloquium, Liège, Belgium, 5-9 May.

Stal, L.J., Fan, H., Bolhuis, H. The nitrogen cycle in a coastal microbial mat. 15th International Symposium on Microbial Ecology (ISME 15), Seoul, South Korea, 24-29 August.

Stal, L.J., Fan, H., Bolhuis, H. The nitrogen cycle in a microbial mat. 15th International Symposium on Microbial Ecology (ISME 15), Seoul, South Korea, 24-29 August.

Stal, L.J., The rate of gas influx into the heterocysts of a thermophilic cyanobacterium, *Fischerella*, is regulated. 9th European Workshop on Molecular Biology of Cyanobacteria (9EWMBC), Texel, 7-11 September.

Steenhauer, L.M., Brussaard, C.P.D., Pollard, P.C. Viral dynamics in relation to bacterial and cyanobacterial hosts in a subtropical reservoirs system. ICHA-16th International Conference on Harmful Algae, Queensland, Australia, 27-31 October.

Steinhardt, J., Cléroux, C., Ullgren, J., De Nooijer, L., Durgadoo, J.V., Brummer, G-J.A., Reichart, G.J. Reconstructing eddies using Mg/Ca of multiple species of planktonic foraminifera. AGU Fall Meeting, San Francisco, USA, 15-19 December.

Steinle, L., Felber, N., Casalino, C., de Lange, G.J., Lehmann, F.M., Stadnitskaia, A., Sinninghe Damsté, J.S., Tessarolo, C., Treude, T., Zopfi, J., Niemann, H. Methanotrophy and sulfate reduction at the interface between Mediterranean seawater and the MgCl₂-dominated Kryos brine basin. European Geosciences Union, General Assembly 2014, Vienna, Austria, 27 April-2 May.

Svensson E., Schouten, S., Hopmans, E.C., Middelburg, J.J., Sinninghe Damsté, J.S. The $\delta^{15}\text{N}$ of bacterial membrane lipids. Ocean Science meeting, ASLO conference, Honolulu, Hawaii, 23-28 February and Advances in Stable Isotope Techniques and Applications (ASITA) conference, UC Davis, CA, USA, 15-18 June.

Svensson, E., Schouten, S., Hopmans, E.C., Middelburg, J.J., Sinninghe Damsté, J.S. Compound-specific nitrogen isotope analysis of nitrogen-containing membrane lipids and their biosynthetic amino acid precursors. ASITA Conference 2014, Davis, USA, 15-18 June.

Timmermans, K.R. Duurzame zeeiwerteelt op de Noordzee. Isea conferentie, Amsterdam, 13 May.

Timmermans, K.R., Ruardij, P. "ERSEM: estimating potential for culturing seaweed, North Sea days, Texel, 2-3 Oktober.

Van Belzen, J., Nieuwhof, S., Folmer, E.O., Cozoli, F., van de Koppel, J., Herman, P.M.J., Bouma, T.J. To tip or not to tip? That is the question. Netherlands Annual Ecology Meeting, Lunteren, 11-12 February.

Van Bijsterveldt, C.E.J., Zetsche, E., Meysman, F.J.R. Long-range electrical communication turns surface layer of marine sediments into a super biofilm. Biofilms 6 conference, Vienna, Austria, 11-13 May.

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Van Bree, L.G.J., Rijpstra, W.I.C., Cocquyt, C., Al-Dhabi, N.A., Verschuren, D., Sinninghe Damsté, J.S., de Leeuw, J.W. Origin and palaeo-environmental significance of C₂₅ and C₂₇ *n*-alk-1-enes in a 25,000-year lake-sedimentary record from equatorial East Africa. Gordon Conference on Organic Geochemistry 2014, Holderness, NH, USA, 3-8 August.

Van der Does, M., Korte, L.F., Munday, C., Brummer, G.-J.A., Stuu, J.-B.W. Saharan Dust and its relations to climate. DUST 2014 International Conference on Atmospheric Dust, Castellana Marina (TA), Italy, 1-6 June and Nederlands Aardwetenschappelijk Congres 12, Veldhoven, 8-9 April.

Van der Meer, M.T.J., Benthien, A., French, K.L., Epping, E., Zondervan, I., Reichart, G.-J., Bijma, J., Sinninghe Damsté, J.S., Schouten S. Large effect of irradiance on hydrogen isotope fractionation of alkenones in *Emiliania huxleyi*. Gordon Research Conference on Organic Geochemistry, Holderness School Plymouth, NH, USA, 3-8 August.

Van der Wal, D., Bouma, T.J., Morris, E.P., Gómez Enri, J., Peralta, G., Benevente, J., de Vries, M., van Wesenbeeck, B., Hendriksen, G., Moeller, I., Spencer, T., Stanica, A., Smith, G. Foreshore Assessment using Space Technology. Sentinel-2 for Science Workshop, ESA-ESRIN, Frascati, Italy, 20-22 May.

Vasquez-Cardenas, D., Malkin, S., Polerecky, L., Meysman, F.J.R., Boschker, H.T.S. Carbon metabolism in hypoxic sediments showing long-range microbial electron transport by cable bacteria. ASLO conference, Honolulu, Hawaii, 23-28 February.

Vasquez-Cardenas, D., Malkin, S.Y., van de Vossenberg, J., Polerecky, L., Schauer, R., Hidalgo, S., Confurius-Guns, V., Middelburg, J.J., Meysman, F.J.R., Boschker, H.T.S. Microbial communities and carbon metabolism associated with electrogenic sulfur oxidation in coastal sediments. 15th International symposium on microbial ecology, Seoul, South-Korea, 24-29 August.

Veenstra, T.J.T., Schouten, S., Dickens, G.R., Backman, J., Sluijs, A. Late Miocene-Early Pliocene productivity, temperature and upwelling in the Eastern Equatorial Pacific. Workshop GDGT-based proxies: State of the art and future directions, Texel, 23-25 April.

Vellekoop, J., Smit, J., Sluijs, A., Brinkhuis, H., Esmeray-Senlet, S., van de Schootbrugge, B., Browning, J., Miller, K., Sinninghe Damsté, J.S. A 60 Myr sea surface temperature record of the Northern Atlantic Ocean using a multi-proxy approach. AGU Fall Meeting, San Francisco, California, USA, 15-19 December.

Vellekoop, J., Smit, J., Sluijs, A., Brinkhuis, H., Weijers, J.W.H., Schouten, S., Sinninghe-Damsté, J.S. GDGT-based temperature records across the K-PG boundary: warming, cooling...or both? Workshop GDGT-based proxies: State of the art and future directions, Texel, 23-25 April.

Viada, S., Ross, S.W., Brooke, S., Baird, E., Davies, A., Duineveld, G., France, S., Howard, A., Mather, R., Mienis, F., Rhode, M., Roark, B., Robertson, C., Young, C. Atlantic Canyons - Pathways to the Abyss: A multidisciplinary study of submarine canyons off the U.S. middle Atlantic coast. INCISE Workshop, Edinburgh, UK, 29 September-1 October.

Warden, L., Moros, M., Sollai, M., Sinninghe Damsté, J. Exploring the relationship between sea surface temperature and organic carbon accumulation in the Baltic Sea using TEX₈₆-paleothermometry. Workshop GDGT-based proxies: State of the art and future directions, Texel, 23-25 April.

Warden, L., Sollai, M., Mets, A., Bale, N., Hopmans, E., Moros, M., Sinninghe Damsté, J.S. Determining the predominant cause of anoxia in the Baltic Sea over the Holocene. Gordon Research Conference on Organic Geochemistry, Holderness School Plymouth, NH, USA, 3-8 August.

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Warden, L., Sollai, M., Mets, M., Moros, M., Sinninghe Damsté, J. Reconstructing continental climate over the Baltic region during the Ancyclus Lake phase using branched glycerol dialkyl glycerol tetraethers. Darwin Days 2014 Noordwijkerhout, 20-21 November.

Weber, Y., De Jonge, C., Rijpstra, W.I.C., Hopmans, E.C., Stadnitskaia, A., Schubert, C.J., Lehmann, M.F., Sinninghe Damsté, J.S., Niemann, H. Identification of a novel lipid biomarker in lake sediments: Implications for the aquatic production of branched GDGTs. Workshop GDGT-based proxies: State of the art and future directions, Texel, 23-25 April and European Geosciences Union, General Assembly 2014, Vienna, Austria, 27 April-2 May.

Welsh, J.E., van der Meer, J. Brussaard, C., Thieltges, D.W. Biodiversity & Disease Risk: If only it were so simple! 49th European Marine Biological Symposium. St. Petersburg, Russia, 8-12 September.

Wernand, M.R., Novoa, S., Participatory science and the color of natural waters; connecting past and present, Ocean Optics XXII Conference, Holiday inn by the bay, Portland, Maine, US, October 26–31.

Wijnhoven, S., Escaravage, V., Avesaath, P. van, Hummel, H. Exotic species in the Dutch delta waters. Poster pitch presentation at Science for the new regulation - BENELUX conference on invasive species, Ghent University, Gent, Belgium, 2 April

Zell, C., Kim, J-H., Balinsha, M., Dorhout, D., Santos Fernandez, C., Baas, M., Sinninghe Damsté, J.S. Transport of branched tetraether lipids from the Tagus River basin to the coastal ocean of the Portuguese margin: Consequences for the interpretation of the MBT'/CBT paleothermometer. European Geosciences Union, General Assembly 2014, Vienna, Austria, 27 April-2 May.

Zetsche, E., Meysman, F.J.R. Abundance and distribution of non-living organic matter in coral reefs. Ocean Sciences Meeting, Honolulu, Hawaii, USA, 23-28 February.

Zhu, Z., van Belzen, J., Ysebaert, T., Herman, P.M.J., Bouma, T.J. The role of ragworm in pioneer seedling establishment in salt marshes. Netherlands Annual Ecology Meeting, Lunteren, 11-12 February.

Prizes

Burdorf, L.D.W. Jacques Nihoul PhD Student Poster prize, International colloquium on Low Oxygen Environments In Marine, Estuarine And Fresh Waters, Liege, Belgium, 5–9 May.

Chan Y.-C., Hassell C. J., Theunis P. Detecting spatial structures in shorebird populations from Oudman, T., Hin, V., van Gils, J.A. The effect of diet choice behaviour on prey populations (1st poster prize). Annual NVG-meeting (Netherlands Society for Behavioural Biology), 26-28 November.

De Bruin, T.F. In recognition of the contribution to ICES as Chair of the Workshop on ICES Data Guidelines (WKIDG) in 2014. 1 December 2014. Paul L. Connolly, ICES President, ICES Service Award

De Paoli, H. 1st presentation price, NIOZ Science days, Texel, 4-5 June.

Camphuysen, C.J., Kloff, S., Marret, F., Ould Ahmed, M., Taleb Sidi, M.O. The charismatic megafauna in the upwelling zone off Mauritania: a conservation concern. Oral presentation "Ecosystemic Seabird/Fishery interactions in West African Waters", special session during the first International conference "Ecosystem Approach to the Management of Fisheries and the Marine Environment in West African Waters (AWA)", to be held 9th-11th December . in Dakar, Senegal. (1st prize in oral presentation competition of side sessions)

Liu, Q-X. Chinese government award, June.

Rabitti, A., Winner of the first edition of "I'm a Geoscientist, Get me out of here", a free online event where school students get to meet and interact with geoscientists. "I'm a Geoscientist" is funded by the European Geoscience Union (EGU). <http://imageoscientist.eu/>

Sinninghe Damsté, J.S. Dr. A.H. Heinekenprijs voor de Milieuwetenschappen.

Timmermans, K.R., BAD award; 25000 euro, art project with artist Spela Petric: Naval Gazing, on exhibit in museum MU, Eindhoven, The Netherlands, 28 november.

Zhu, Z. 1st Prize of flash presentation, NIOZ Science Days, Texel, 4-5 June.

Special achievements

The Monitor Taskforce passed the reassessment of the ISO/IEC 17025:2005 accreditation by the RvA (Raad van Accreditatie) in March.

The Monitor Taskforce passed the reassessment of the NEN-EN-ISO 9001:2008 certification by KIWA in November.