

## Dissertations

- Aguiar-González, B. Breeze-forced oscillations and strongly nonlinear tide-generated internal solitons. Universidad de Las Palmas de Gran Canaria, 240 pp.
- Andresen, H. Size-dependent predation risk for young bivalves. VU University Amsterdam, 154 pp.
- Balke, T. Establishment of biogeomorphic ecosystems. A study on mangrove and salt marsh pioneer vegetation. Radboud University Nijmegen, 177 pp.
- Camphuysen, C.J. A Historical ecology of two closely related gull species (Lariidae): multiple adaptations to a man-made environment. Groningen University, 421 pp.
- Lengger, S.K. Production and preservation of archaeal glycerol dibiphytanyl glycerol tetraethers as intact polar lipids in marine sediments: Implications for their use in microbial ecology and TEX<sub>86</sub> paleothermometry. Utrecht University, 229 pp. (open access)
- Lok, T. Spoonbills as a model system: a demographic cost-benefit analysis of differential migration. Groningen University, 239 pp.
- Ly, J. Microalgal primary producers and their limiting resources. University of Amsterdam, 174 pp.
- Schoon, P.L. Impact of CO<sub>2</sub> and pH on the stable carbon isotopic composition and distribution of microbial biomarker lipids. Utrecht University, 185 pp. (open access)
- Sheik, A. Viral regulation on nutrient assimilation by algae and prokaryotes. University of Bremen, Germany, 144 pp.
- van der Geest, M. Multi-trophic interactions within the seagrass beds of Banc d'Arguin, Mauritania: a chemosynthesis-based intertidal ecosystem. Groningen University, 253 pp.
- van Heuven, S.M.A.C. Determination of the rate of oceanic storage of anthropogenic CO<sub>2</sub> from measurements in the ocean interior: the South Atlantic Ocean. University of Groningen, 258 pp.

## Refereed papers in scientific journals

- Adrián-Martinez, S., ..., van Haren, H., et al. First results on dark matter annihilation in the sun using the ANTARES neutrino telescope. *Journal of Cosmology and Astroparticle Physics* 11,032, doi:10.1088/1475-7516/2013/11/032.
- Adrián-Martinez, S., ..., van Haren, H., et al. Search for muon neutrinos from gamma-ray bursts with the ANTARES neutrino telescope using 2008 to 2011 data. *Astronomics and Astrophysics* 559, A9, doi:10.1051/0004-6361/201322169.
- Adrian-Martinez, S., ... , van Haren, H., van Heerwaarden, J., ..... et al. Expansion cone for the 3-inch PMTs of the KM3NeT optical modules. Expansion cone for the 3-inch PMTs of the KM3NeT optical modules, the KM3NeT collaboration 2013 *Journal of Instrumentation* 8 T03006. doi:10.1088/1748-

0221/8/03/T03006

- Adrian-Martinez, S., ....., van Haren, H., et al. A first search for coincident gravitational waves and high energy neutrinos using LIGO, Virgo and ANTARES data from 2007. *Journal of Cosmology and Astroparticle Physics*, issue 06, article id. 008, doi: [10.1088/1475-7516/2013/06/008](https://doi.org/10.1088/1475-7516/2013/06/008).
- Adrian-Martinez, S., ..... van Haren, H., et al. First search for neutrinos in correlation with gamma-ray bursts with the ANTARES neutrino telescope. *Journal of Cosmology and Astroparticle Physics*, issue 03, 1 – 14, doi:10.1088/1475-7516/2013/03/006
- Adrian-Martinez, S., ....., van Haren, H., et al. Search for a correlation between antares neutrinos and Pierre Auger observatory UHECRs arrival directions. *Astrophysical Journal* 774, 19, doi:10.1088/0004-637X/774/1/19.
- Adrian-Martinez, S.,..... van Haren, H., et al. Measurement of the atmospheric  $\nu_\mu$  energy spectrum from 100 GeV to 200 TeV with the ANTARES telescope. *European Physical Journal C* 73:2606, doi 10.1140/epjc/s10052-013-2606-4.
- Adrian-Martinez, S....., van Haren, H., van Heerwaarden, J., et al. Detection potential of the KM3NeT detector for high-energy neutrinos from the Fermi bubbles. *Astroparticle Physics* 42, 7-14, doi:10.1016/j.astropartphys.2012.11.010.
- Andresen, H., Dorresteijn, I., van der Meer, J. Growth and size-dependent loss of newly settled bivalves in two distant regions of the Wadden Sea. *Marine Ecology Progress Series* 472, 141-154.
- Assmy, P., Smetacek, V., ...Herndl, G.J. ...Wolf-Gladrow, D. Thick-shelled, grazer-protected diatoms decouple ocean carbon and silicon cycles in the iron-limited Antarctic Circumpolar Current. *Proceedings of the National Academy of Sciences of the United States of America* 110, 20633-20638. (open access).
- Bajars, J., Frank, J., Maas, L.R.M. On the appearance of internal wave attractors due to an initial or parametrically excited disturbance. *Journal of Fluid Mechanics* 714, 283-311.
- Bal, K.D., Brion, N., Woule-Ebongue, V., Schoelynck, J., Jooste, A., Barron, C., Dehairs, F., Meire, P., Bouma, T.J. Influence of hydraulics on the uptake of ammonium by two freshwater plants. *Freshwater Biology* 58, 2452-2463.
- Baldrighi, E., Aliani, S., Conversi, A., Lavaleye, M., Borghini, M., Manini, E. From microbes to macrofauna: an integrated study of deep benthic communities and their response to environmental variables along the Malta Escarpment (Ionian Sea). *Scientia Marina* 77, 625-639. (open access).
- Bale,N.J., Villanueva, L., Hopmans, E.C., Schouten, S., Sinninghe Damsté, J.S. Different seasonality of pelagic and benthic Thaumarchaeota in the North Sea. *Biogeosciences* 10, 7195-7206. (open access).
- Balke, T., Bouma, T.J., Herman, P.M.J., Horstman, E.M., Sudtongkong, C., Webb, E.L. Cross-shore gradients of physical disturbance in mangroves: implications for seedling establishment. *Biogeosciences* 10, 5411-5419. (open access).
- Balke, T., Webb, E.L., van den Elzen, E., Galli, D., Herman, P.M.J., Bouma, T.J. Seedling establishment in a dynamic sedimentary environment: a concep-

- tual framework using mangroves. *Journal of Applied Ecology* 50, 740-747. (open access).
- Baltar, F., Aristegui, J., Gasol, J.M., Yokokawa, T., Herndl, G.J. Bacterial Versus Archaeal Origin of Extracellular Enzymatic Activity in the Northeast Atlantic Deep Waters. *Microbial Ecology* 65, 277-288.
- Baltar, F., Reinthaler, T., Herndl, G.J., Pinhassi, J. Major Effect of Hydrogen Peroxide on Bacterioplankton Metabolism in the Northeast Atlantic. *Plos One* 8(4): e61051. (open access).
- Banares-Espana, E., Kromkamp, J.C., Lopez-Rodas, V., Costas, E., Flores-Moya, A. Photoacclimation of cultured strains of the cyanobacterium *Microcystis aeruginosa* to high-light and low-light conditions. *FEMS Microbiology Ecology* 83, 700-710.
- Bauersachs, T., Miller, S.R., van der Meer, M.T.J., Hopmans, E.C., Schouten, S., Sinninghe Damsté, J.S. Distribution of long chain heterocyst glycolipids in cultures of the thermophilic cyanobacterium *Mastigocladus laminosus* and a hot spring microbial mat. *Organic Geochemistry* 56, 19-24.
- Beauchard, O., Jacobs, S., Ysebaert, T., Meire, P. Avian response to tidal freshwater habitat creation by controlled reduced tide system. *Estuarine Coastal and Shelf Science* 131, 12-23.
- Beauchard, O., Jacobs, S., Ysebaert, T., Meire, P. Sediment macroinvertebrate community functioning in impacted and newly-created tidal freshwater habitats. *Estuarine Coastal and Shelf Science* 120, 21-32.
- Beauchard, O., Teuchies, J., Jacobs, S., Struyf, E., van der Spiet, T., Meire, P. Sediment abiotic patterns in reference and newly-created intertidal habitats from an impacted estuary. *Estuaries and Coasts*, 1-13; DOI 10.1007/s12237-013-9743-8.
- Benavides, M., Agawin, N.S.R., Aristegui, J., Peene, J., Stal, L.J. Dissolved organic nitrogen and carbon release by a marine unicellular diazotrophic cyanobacterium. *Aquatic Microbial Ecology* 69, 69-80.
- Bergauer, K., Sintes, E., van Bleijswijk, J., Witte, H., Herndl, G.J. Abundance and distribution of archaeal acetyl-CoA/propionyl-CoA carboxylase genes indicative for putatively chemoautotrophic Archaea in the tropical Atlantic's interior. *FEMS Microbiology Ecology* 84, 461-473.
- Beukema, J.J., Dekker, R. Evaluation of Brey's production/biomass model on the basis of a long-term data set on a clam population. *Marine Ecology Progress Series* 489, 163-175.
- Bicknell, A.W.J., Oro, D., Camphuysen, K., Votier, S.C. Potential consequences of discard reform for seabird communities. *Journal of Applied Ecology* 50, 649-658.
- Bijl, P.K., Bendle, J.A.P., Bohaty, S.M., Pross, J., Schouten, S., Tauxe, L., Stickley, C.E., McKay, R.M., Rohl, U., Olney, M., Sluijs, A., Escutia, C., Brinkhuis, H., Expedition 318 Scientists. Eocene cooling linked to early flow across the Tasmanian Gateway. *Proceedings of the National Academy of Sciences of the United States of America* 110, 9645-9650. (open access).
- Blaga, C.I., Reichart, G.J., Lotter, A.F., Anselmetti, F.S., Sinninghe Damsté, J.S. A TEX<sub>86</sub> lake record suggests simultaneous shifts in temperature in Central Europe and Greenland during the last deglaciation. *Geophysical Research Letters* 40, 948-953. (open access).
- Blanchet, C.L., Tjallingii, R., Frank, M., Lorenzen, J., Reitz, A., Brown, K., Feseker, T., Bruckmann, W. High- and low-latitude forcing of the Nile River regime during the Holocene inferred from laminated sediments of the Nile deep-sea fan. *Earth and Planetary Science Letters* 364, 98-110.
- Blyth, A.J., Schouten, S. Calibrating the glycerol dialkyl glycerol tetraether temperature signal in speleothems. *Geochimica Et Cosmochimica Acta* 109, 312-328.
- Boekema, E.J., Scheffers, D.J., van Bezouwen, L.S., Bolhuis, H., Folea, I.M. Focus on membrane differentiation and membrane domains in the prokaryotic cell. *Journal of Molecular Microbiology and Biotechnology* 23, 345-356.
- Boelen, P., van Dijk, R., Sinninghe Damsté, J.S., Rijpstra, W.I.C., Buma, A.G.J. Effect of light level, temperature, and species on the abundance of polyunsaturated fatty acids in marine microalgae. *AMB Express* 2013, 3,26. (open access).
- Boetius, A., Albrecht, S., Bakker, K., Bienhold, C., Felden, J., Fernandez-Mendez, M., Hendricks, S., Katlein, C., Lalande, C., Krumpfen, T., Nicolaus, M., Peeken, I., Rabe, B., Rogacheva, A., Rybakova, E., Somavilla, R., Wenzhofer, F., RV Polarstern ARK27-3-Shipboard Science Party. Export of Algal Biomass from the Melting Arctic Sea Ice. *Science* 339, 1430-1432.
- Bokhorst, S., Huiskes, A., Aerts, R., Convey, P., Cooper, E.J., Dalen, L., Erschbamer, B., Gudmundsson, J., Hofgaard, A., Hollister, R.D., Johnstone, J., Jonsdottir, I.S., Lebouvier, M., van de Vijver, B., Wahren, C.H., Dorrepaal, E. Variable temperature effects of open top chambers at polar and alpine sites explained by irradiance and snow depth. *Global Change Biology* 19, 64-74.
- Bolhuis, H., Fillinger, L., Stal, L.J. Coastal Microbial Mat Diversity along a Natural Salinity Gradient. *Plos One* 8(5), e63166. (open access).
- Bongaerts, P., Frade, P.R., Ogier, J.J., Hay, K.B., van Bleijswijk, J., Englebert, N., Vermeij, M.J.A., Bak, R.P.M., Visser, P.M., Hoegh-Guldberg, O. Sharing the slope: depth partitioning of agariciid corals and associated Symbiodinium across shallow and mesophotic habitats (2-60 m) on a Caribbean reef. *Bmc Evolutionary Biology* 13:205. (open access).
- Boonstra M., Radstake, Y., Rebel, K., Aarts, G., Camphuysen, C.J. Harbour porpoises (*Phocoena phocoena*) in the Marsdiep area, the Netherlands: new investigations in a historical study area. *Lutra* 56: 59-71.
- Borin, S., Mapelli, F., Rolli, E., Song, B., Tobias, C., Schmid, M.C., de Lange, G.J., Reichart, G.J., Schouten, S., Jetten, M., Daffonchio, D. Anammox bacterial populations in deep marine hypersaline gradient systems. *Extremophiles* 17, 289-299.

- Bouma, T.J., Temmerman, S., van Duren, L.A., Martini, E., Vandenbruwaene, W., Callaghan, D.P., Balke, T., Biermans, G., Klaassen, P.C.R., van Steeg, R., Dekker, F., van de Koppel, J., de Vries, M.B., Herman, P.M.J. Organism traits determine the strength of scale-dependent bio-geomorphic feedbacks: A flume study on three intertidal plant species. *Geomorphology* 180, 57-65.
- Bouten, W., Baaij, E.W., Shamoun-Baranes, J., Camphuysen, K.C.J. A flexible GPS tracking system for studying bird behaviour at multiple scales. *Journal of Ornithology* 154, 571-580.
- Braeckman, U., Vanaverbeke, J., Vincx, M., van Oevelen, D., Soetaert, K. Meiofauna metabolism in suboxic sediments: Currently overestimated. *Plos One* 8. (open access).
- Brandsma, J., Martinez, J.M., Slagter, H.A., Evans, C., Brussaard, C.P.D. Microbial biogeography of the North Sea during summer. *Biogeochemistry* 113, 119-136.
- Brauer, V.S., Stomp, M., Rosso, C., van Beusekom, S.A.M., Emmerich, B., Stal, L.J., Huisman, J. Low temperature delays timing and enhances the cost of nitrogen fixation in the unicellular cyanobacterium *Cyanothece*. *ISME Journal* 7, 2105-2115.
- Brussaard, C.P.D., Noordeloos, A.A.M., Witte, H., Collenteur, M.C.J., Schulz, K.G., Ludwig, A., Riebesell, U. Arctic microbial community dynamics influenced by elevated CO<sub>2</sub> levels. *Biogeosciences* 10, 719-731. (open access).
- Buckles, L.K., Villanueva, L., Weijers, J.W.H., Verschuren, D., Sinninghe Damsté, J.S. Linking isoprenoidal GDGT membrane lipid distributions with gene abundances of ammonia-oxidizing Thaumarchaeota and uncultured crenarchaeotal groups in the water column of a tropical lake (Lake Challa, East Africa). *Environmental Microbiology* 15, 2445-2462.
- Cadée, G.C. Can Recent traces help in recognising probable jellyfish remains from the Muschelkalk of Winterswijk? A comment. *Neth J Geosciences*, 92, 301-302.
- Cadée, G.C., de Wolf, P. Belichnus traces produced on shells of the bivalve *Lutraria lutraria* by gulls. *Ichnos-an International Journal for Plant and Animal Traces* 20, 15-18.
- Calleja, M.L., Duarte, C.M., Alvarez, M., Vaquer-Sunyer, R., Agusti, S., Herndl, G.J. Prevalence of strong vertical CO<sub>2</sub> and O<sub>2</sub> variability in the top meters of the ocean. *Global Biogeochemical Cycles* 27, 941-949.
- Campos, J., Bio, A., Freitas, V., Moreira, C., van der Veer, H.W. Age estimation of brown shrimp *Crangon crangon*: comparison of two approaches applied to populations at the biogeographic edges. *Aquatic Biology* 19, 167-184.
- Cardoso, J., Nieuwland, G., Witbaard, R., van der Veer, H.W., Machado, J.P. Growth increment periodicity in the shell of the razor clam *Ensis directus* using stable isotopes as a method to validate age. *Biogeosciences* 10, 4741-4750. (open access).
- Cardoso, J., Peralta, N.R.E., Machado, J.P., van der Veer, H.W. Growth and reproductive investment of introduced Pacific oysters *Crassostrea gigas* in southern European waters. *Estuarine Coastal and Shelf Science* 118, 24-30.
- Cardoso, J., Santos, S., Witte, J.I.J., Witbaard, R., van der Veer, H.W., Machado, J.P. Validation of the seasonality in growth lines in the shell of *Macoma balthica* using stable isotopes and trace elements. *Journal of Sea Research* 82, 93-102.
- Cardoso, J., van Bleijswijk, J.D.L., Witte, H., van Duyl, F.C. Diversity and abundance of ammonia-oxidizing Archaea and Bacteria in tropical and cold-water coral reef sponges. *Aquatic Microbial Ecology* 68, 215-230.
- Carreira, C., Haldal, M., Bratbak, G. Effect of increased pCO<sub>2</sub> on phytoplankton-virus interactions. *Biogeochemistry* 114, 391-397.
- Carreira, C., Larsen, M., Glud, R.N., Brussaard, C.P.D., Middelboe, M. Heterogeneous distribution of prokaryotes and viruses at the microscale in a tidal sediment. *Aquatic Microbial Ecology* 69, 183-192.
- Caulle, C., Penaud, A., Eynaud, F., Zaragosi, S., Roche, D.M., Michel, E., Boulay, S., Richter, T. Sea-surface hydrographical conditions off South Faeroes and within the North-Eastern North Atlantic through MIS 2: the response of dinocysts. *Journal of Quaternary Science* 28, 217-228.
- Christianen, M.J.A., van Belzen, J., Herman, P.M.J., van Katwijk, M.M., Lamers, L.P.M., van Leent, P.J.M., Bouma, T.J. Low-canopy seagrass beds still provide important coastal protection services. *Plos One* 8 (5) e62413. doi:10.1371/journal.pone.0062413. (open access).
- Chronopoulou, P.M., Fahy, A., Coulon, F., Paise, S., Goni-Urriza, M., Peperzak, L., Alvarez, L.A., McKew, B.A., Lawson, T., Timmis, K.N., Duran, R., Underwood, G.J.C., McGenity, T.J. Impact of a simulated oil spill on benthic phototrophs and nitrogen-fixing bacteria in mudflat mesocosms. *Environmental Microbiology* 15, 242-252.
- Comerford, S., Brophy, D., Fox, C.J., Taylor, N., van der Veer, H.W., Nash, R.D.M., Geffen, A.J. Temperature effect on growth and larval duration of plaice *Pleuronectes platessa* in three regions of the Northeast Atlantic. *Marine Ecology Progress Series* 476, 215-226.
- Compton, T.J., Holthuijsen, S., Koolhaas, A., Dekinga, A., ten Horn, J., Smith, J., Galama, Y., Brugge, M., van der Wal, D., van der Meer, J., van der Veer, H.W., Piersma, T. Distinctly variable mudscapes: Distribution gradients of intertidal macrofauna across the Dutch Wadden Sea. *Journal of Sea Research* 82, 103-116.
- Cornelissen, I.J.M., Silsbe, G.M., Verreth, J.A.J., van Donk, E., Nagelkerke, L.A.J. Dynamics and limitations of phytoplankton biomass along a gradient in Mwanza Gulf, southern Lake Victoria (Tanzania). *Freshwater Biology* 59, 127-141.
- Cox, S.L., Scott, B.E., Camphuysen, C.J. Combined spatial and tidal processes identify links between pelagic prey species and seabirds. *Marine Ecology Progress Series* 479, 203-221.

- Cozzoli, F., Bouma, T.J., Ysebaert, T., Herman, P.M.J. Application of non-linear quantile regression to macrozoobenthic species distribution modelling: comparing two contrasting basins. *Marine Ecology Progress Series* 475, 119-133.
- De Corte, D., Sintes, E., Yokokawa, T., Herndl, G.J. Comparison between MI-CRO-CARD-FISH and 16S rRNA gene clone libraries to assess the active versus total bacterial community in the coastal Arctic. *Environmental Microbiology Reports* 5, 272-281.
- De Jager, M., Bartumeus, F., Ko Izsac, A., Weissing, F.J., Hengeveld, G.M., Nolet, B.A., Herman, P.M.J., van de Koppel, J. How superdiffusion gets arrested: Ecological encounters explain shift from Lévy to Brownian movement. *Proceedings of the Royal Society B*. 281, 20132605.
- De Jonge, C., Hopmans, E.C., Stadnitskaia, A., Rijpstra, W.I.C., Hofland, R., Tegelaar, E., Sinninghe Damsté, J.S. Identification of novel penta- and hexamethylated branched glycerol dialkyl glycerol tetraethers in peat using HPLC-MS2, GC-MS and GC-SMB-MS. *Organic Geochemistry* 54, 78-82.
- De Kluijver, A., Soetaert, K., Czerny, J., Schulz, K.G., Boxhammer, T., Riebesell, U., Middelburg, J.J. A C<sup>13</sup> labelling study on carbon fluxes in Arctic plankton communities under elevated CO<sup>2</sup> levels. *Biogeosciences* 10, 1425-1440. (open access).
- De Steur, L., Steele, M., Hansen, E., Morison, J., Polyakov, I., Olsen, S.M., Melting, H., McLaughlin, F.A., Kwok, R., Smethie, W.M., Schlosser, P. Hydrographic changes in the Lincoln Sea in the Arctic Ocean with focus on an upper ocean freshwater anomaly between 2007 and 2010. *Journal of Geophysical Research-Oceans* 118, 4699-4715.
- Den Haan, J., Huisman, J., Dekker, F., ten Brinke, J.L., Ford, A.K., van Ooijen, J., van Duyl, F.C., Vermeij, M.J.A., Visser, P.M. Fast detection of nutrient limitation in macroalgae and seagrass with nutrient-induced fluorescence. *Plos One* 8(7) e68834. (open access).
- Dietz, M.W., Piersma, T., Dekinga, A., Korthals, H., Klaassen, M. Unusual patterns in N-15 blood values after a diet switch in red knot shorebirds. *Isotopes in Environmental and Health Studies* 49, 283-292.
- Dietz, M.W., Rogers, K.G., Piersma, T. When the seasons don't fit: Speedy molt as a routine carry-over cost of reproduction. *Plos One* 8 e53890. Doi: 10.1371/journal.pone.0053890. (open access).
- Donadi, S., van der Heide, T., van der Zee, E.M., Eklof, J.S., van de Koppel, J., Weerman, E.J., Piersma, T., Olf, H., Eriksson, B.K. Cross-habitat interactions among bivalve species control community structure on intertidal flats. *Ecology* 94, 489-498.
- Donadi, S., Westra, J., Weerman, E.J., van der Heide, T., van der Zee, E.M., van de Koppel, J., Olf, H., Piersma, T., van der Veer, H.W., Eriksson, B.K. Non-trophic Interactions Control Benthic Producers on Intertidal Flats. *Ecosystems* 16, 1325-1335.
- Drigo, B., Kowalchuk, G.A., Knapp, B.A., Pijl, A.S., Boschker, H.T.S., van Veen, J.A. Impacts of 3 years of elevated atmospheric CO<sub>2</sub> on rhizosphere carbon flow and microbial community dynamics. *Global Change Biology* 19, 621-636.
- Duijns, S., Hidayati, N.A., Piersma, T. Bar-tailed Godwits *Limosa l. lapponica* eat polychaete worms wherever they winter in Europe. *Bird Study* 60, 509-517.
- Dunne, J.A., Lafferty, K.D., Dobson, A.P., Hechinger, R.F., Kuris, A.M., Martinez, N.D., McLaughlin, J.P., Mouritsen, K.N., Poulin, R., Reise, K., Stouffer, D.B., Thielges, D.W., Williams, R.J., Zander, C.D. Parasites affect food web structure primarily through increased diversity and complexity. *Plos Biology* 11 e1001579. doi: 10.1371/journal.pbio.1001579. (open access).
- El-Hacen, E.H.M., Overdijk, O., Lok, T., Olf, H., Piersma, T. Home range, habitat selection, and foraging rhythm in Mauritanian spoonbills (*Platalea leucorodia balsaci*): A satellite tracking study. *Waterbirds* 36, 277-286.
- Elschot, K., Bouma, T.J., Temmerman, S., Bakker, J.P. Effects of long-term grazing on sediment deposition and salt-marsh accretion rates. *Estuarine Coastal and Shelf Science* 133, 109-115.
- Epping, E., Ocean ecology. Life in an oceanic extreme. *Nature Geoscience* 6, 252-253.
- Etourneau, J., Collins, L.G., Willmott, V., Kim, J.H., Barbara, L., Leventer, A., Schouten, S., Sinninghe Damsté, J.S., Bianchini, A., Klein, V., Crosta, X., Masse, G. Holocene climate variations in the western Antarctic Peninsula: evidence for sea ice extent predominantly controlled by changes in insolation and ENSO variability. *Climate of the Past* 9, 1431-1446. (open access).
- Ferrer, C., Fodran, P., Barroso, S., Gibson, R., Hopmans, E.C., Sinninghe Damsté, J.S., Schouten, S., Minnaard, A.J. Asymmetric synthesis of cyclo-archaeol and beta-glucosyl cyclo-archaeol. *Organic & Biomolecular Chemistry* 11, 2482-2492.
- Flöser, G., Riethmüller, R., Nauw, J., Burchard, H. Observational evidence for the general presence of estuarine circulation in the Wadden Sea. *Journal of Coastal Research, Special Issue No. 65*, 1527-1532, DOI: 10.2112/SI65-258.
- Fuller, R.A., Bearhop, S., Metcalfe, N.B., Piersma, T. The effect of group size on vigilance in Ruddy Turnstones *Arenaria interpres* varies with foraging habitat. *Ibis* 155, 246-257.
- Gaudin, M., Gauliard, E., Schouten, S., Houel-Renault, L., Lenormand, P., Marguet, E., Forterre, P. Hyperthermophilic archaea produce membrane vesicles that can transfer DNA. *Environmental Microbiology Reports* 5, 109-116.
- Gerkema, T., Maas, L.R.M. Wiskundige aspecten van interne golven. *Nieuw Archief van de Wiskunde* 5/14, 172-176.
- Gerkema, T., Maas, L.R.M., van Haren, H. A Note on the Role of Mean Flows in Doppler-Shifted Frequencies. *Journal of Physical Oceanography* 43, 432-441.
- Gibson, R.A., van der Meer, M.T.J., Hopmans, E.C., Reysenbach, A.L., Schouten,



- S., Sinninghe Damsté, J.S. Comparison of intact polar lipid with microbial community composition of vent deposits of the Rainbow and Lucky Strike hydrothermal fields. *Geobiology* 11, 72-85.
- Gledhill, M., Achterberg, E.P., Honey, D.J., Nielsdottir, M.C., Rijkenberg, M.J.A. Distributions of particulate Heme b in the Atlantic and Southern Oceans—Implications for electron transport in phytoplankton, *Global Biogeochemical Cycles* 27, 1-11.
- Goeij, J.M., van Oevelen, D., Vermeij, M.J.A., Osinga, R., Middelburg, J.J., de Goeij, A., Admiraal, W. Surviving in a Marine Desert: The Sponge Loop Retains Resources Within Coral Reefs. *Science* 342, 108-110.
- Grove, C.A., Brummer, G.J.A., Kasper, S., Zinke, J., Pfeiffer, M., Garbe-Schonberg, D. Confounding effects of coral growth and high SST variability on skeletal Sr/Ca: Implications for coral paleothermometry. *Geochemistry Geophysics Geosystems* 14, 1277-1293.
- Grove, C.A., Zinke, J., Peeters, F., Park, W., Scheufen, T., Kasper, S., Randriamanantsoa, B., McCulloch, M.T., Brummer, G.J.A. Madagascar corals reveal a multidecadal signature of rainfall and river runoff since 1708. *Climate of the Past* 9, 641-656. (open access).
- Guerreiro, C., Oliveira, A., de Stigter, H., Cachao, M., Sa, C., Borges, C., Cros, L., Santos, A., Fortunato, J.M., Rodrigues, A. Late winter coccolithophore bloom off central Portugal in response to river discharge and upwelling. *Continental Shelf Research* 59, 65-83.
- Haaijer, S.C.M., Ji, K., van Niftrik, L., Hoischen, A., Speth, D., Jetten, M.S.M., Sinninghe Damsté, J.S., Op den Camp, H.J.M. A novel marine nitrite-oxidizing *Nitrospira* species from Dutch coastal North Sea water. *Frontiers in Microbiology* 4, 1-12. (open access).
- Hamdan, L.J., Coffin, R.B., Sikaroodi, M., Greinert, J., Treude, T., Gillevet, P.M. Ocean currents shape the microbiome of Arctic marine sediments. *ISME Journal* 7, 685-696.
- Hamilton-Brehm, S.D., Gibson, R.A., Green, S.J., Hopmans, E.C., Schouten, S., van der Meer, M.T.J., Shields, J.P., Sinninghe Damsté, J.S., Elkins, J.G. *Thermodesulfobacterium geofontis* sp. nov., a hyperthermophilic, sulfate-reducing bacterium isolated from Obsidian Pool, Yellowstone National Park. *Extremophiles* 17, 251-263.
- Hardison, A.K., Canuel, E.A., Anderson, I.C., Tobias, C.R., Veuger, B., Waters, M.N. Microphytobenthos and benthic macroalgae determine sediment organic matter composition in shallow photic sediments. *Biogeosciences* 10, 5571-5588. (open access).
- Hathorne, E.C., ..... Boer, W., ..... , et al. Interlaboratory study for coral Sr/Ca and other element/Ca ratio measurements. *Geochemistry Geophysics Geosystems* 14, 3730-3750.
- Herndl, G.J., Reinthaler, T. Microbial control of the dark end of the biological pump. *Nature Geoscience* 6, 718-724.
- Hippler, D., Witbaard, R., van Aken, H.M., Buhl, D., Immenhauser, A. Exploring the calcium isotope signature of *Arctica islandica* as an environmental proxy using laboratory- and field-cultured specimens. *Palaeogeography Palaeoclimatology Palaeoecology* 373, 75-87.
- Hooijmeijer, J.C.E.W., Senner, N.R., Tibbitts, T.L., Gill, Jr R.E., Douglas, D.C., Bruinzeel, L.W., Wymenga, E., Piersma, T. Post-breeding migration of Dutch-breeding Black-tailed Godwits: timing, routes, use of stopovers, and non-breeding destinations. *Ardea* 101, 141-152.
- Hopkins, F.E., Kimmance, S.A., Stephens, J.A., Bellerby, R.G.J., Brussaard, C.P.D., Czerny, J., Schulz, K.G., Archer, S.D. Response of halocarbons to ocean acidification in the Arctic. *Biogeosciences* 10, 2331-2345. (open access).
- Hopmans, E.C., Lopes dos Santos, R.A., Mets, A., Sinninghe Damsté, J.S., Schouten, S. A novel method for the rapid analysis of levoglucosan in soils and sediments. *Organic Geochemistry* 58, 86-88.
- Hua, N., Piersma, T., Ma, Z.J. Three-phase fuel deposition in a long-distance migrant, the red knot (*Calidris canutus piersmai*), before the flight to high arctic breeding grounds. *Plos One* 8 e62551. doi: 10.1371/journal.pone.0062551. (open access).
- Ibanhez, J.S.P., Leote, C., Rocha, C. Seasonal enhancement of submarine groundwater discharge (SGD)-derived nitrate loading into the Ria Formosa coastal lagoon assessed by 1-D modeling of benthic NO<sub>3</sub>- profiles. *Estuarine Coastal and Shelf Science* 132, 56-64.
- Jellali, R., Kromkamp, J.C., Campistron, I., Laguerre, A., Lefebvre, S., Perkins, R.G., Pilard, J.F., Mouget, J.L. Antifouling action of polyisoprene-based coatings by inhibition of photosynthesis in microalgae. *Environmental Science & Technology* 47, 6573-6581.
- Jesus, C.C., de Stigter, H., Miranda, P., Oliveira, A., Rocha, F. Distribution patterns and enrichment of lead, zinc and copper in surface sediments of the central Portuguese shelf and upper slope. *Journal of Iberian Geology* 39, 335-348.
- Jonkers, L., Jimenez-Amat, P., Mortyn, P.G., Brummer, G.J.A. Seasonal Mg/Ca variability of *N. pachyderma* (s) and *G. bulloides*: Implications for seawater temperature reconstruction. *Earth and Planetary Science Letters* 376, 137-144.
- Jukema, J., Bunschoke, E.J., Piersma, T., Pieters, T., Koolhaas, A., van Rhijn, J.G. Incomplete and irregular annual replacement of secondaries in Eurasian Golden Plovers, *Pluvialis apricaria*. *Wader Study Group Bulletin* 120, 102-107.
- Jukema, J., van Rhijn, J.G., Olsson, P., Piersma, T. In tundra plovers the frequency of inner flight feather replacement varies with length of long-distance flights. *Ardea* 101, 121-132.
- Kaserzon, S.L., Vermeirssen, E.L.M., Hawker, D.W., Kennedy, K., Bentley, C., Thompson, J., Booi, K., Mueller, J.F. Passive sampling of perfluorinated

- chemicals in water: Flow rate effects on chemical uptake. *Environmental Pollution* 177, 58-63.
- Kentie, R., Hooijmeijer, J., Trimbos, K.B., Groen, N.M., Piersma, T. Intensified agricultural use of grasslands reduces growth and survival of precocial shorebird chicks. *Journal of Applied Ecology* 50, 243-251.
- Keul, N., Langer, G., de Nooijer, L.J., Bijma, J. Effect of ocean acidification on the benthic foraminifera *Ammonia* sp is caused by a decrease in carbonate ion concentration. *Biogeosciences* 10, 6185-6198. (open access).
- Keul, N., Langer, G., de Nooijer, L.J., Nehrke, G., Reichart, G.J., Bijma, J. Incorporation of uranium in benthic foraminiferal calcite reflects seawater carbonate ion concentration. *Geochemistry Geophysics Geosystems* 14, 102-111.
- Kim, J.J., Alkawally, M., Brady, A.L., Rijpstra, W.I.C., Sinninghe Damsté, J.S., Dunfield, P.F. *Chryseolinea serpens* gen. nov., sp nov., a member of the phylum Bacteroidetes isolated from soil. *International Journal of Systematic and Evolutionary Microbiology* 63, 654-660.
- Koho, K.A., Nierop, K.G.J., Moodley, L., Middelburg, J.J., Pozzato, L., Soetaert, K., van der Plicht, J., Reichart, G.J. Microbial bioavailability regulates organic matter preservation in marine sediments. *Biogeosciences* 10, 1131-1141. (open access).
- Kraan, C., Aarts, G., Piersma, T., Dormann, C.F. Temporal variability of ecological niches: a study on intertidal macrobenthic fauna. *Oikos* 122, 754-760.
- Krumins, J.A., van Oevelen, D., Bezemer, T.M., De Deyn, G.B., Hol, W.H.G., van Donk, E., de Boer, W., de Ruiter, P.C., Middelburg, J.J., Monroy, F., Soetaert, K., Thebault, E., van de Koppel, J., van Veen, J.A., Viketoft, M., van der Putten, W.H. Soil and Freshwater and Marine Sediment Food Webs: Their Structure and Function. *Bioscience* 63, 35-42. (open access)
- Kulk, G., van de Poll, W.H., Visser, R.J.W., Buma, A.G.J. Low nutrient availability reduces high-irradiance-induced viability loss in oceanic phytoplankton. *Limnology and Oceanography* 58, 1747-1760.
- Kurten, B., Frutos, I., Struck, U., Painting, S.J., Polunin, N.V.C., Middelburg, J.J. Trophodynamics and functional feeding groups of North Sea fauna: a combined stable isotope and fatty acid approach. *Biogeochemistry* 113, 189-212.
- Kurten, B., Painting, S.J., Struck, U., Polunin, N.V.C., Middelburg, J.J. Tracking seasonal changes in North Sea zooplankton trophic dynamics using stable isotopes. *Biogeochemistry* 113, 167-187.
- La Nafie, Y.A., de los Santos, C.B., Brun, F.G., Mashoreng, S., van Katwijk, M.M., Bouma, T.J. Biomechanical response of two fast-growing tropical seagrass species subjected to in situ shading and sediment fertilization. *Journal of Experimental Marine Biology and Ecology* 446, 186-193.
- Labrenz, M., Grote, J., Mammitzsch, K., Boschker, H.T.S., Laue, M., Jost, G., Glau-bitz, S., Jurgens, K. *Sulfurimonas gotlandica* sp. nov., a chemoautotrophic and psychrotolerant epsilonproteobacterium isolated from a pelagic redox-cline, and an emended description of the genus *Sulfurimonas*. *Int. J. Syst. Evol. Microbiol.* 63, 4141-4148. (open access).
- Lai, S., Gillis, L.G., Mueller, C., Bouma, T.J., Guest, J.R., Last, K.S., Ziegler, A.D., Todd, P.A. First experimental evidence of corals feeding on seagrass matter. *Coral Reefs* 32, 1061-1064.
- Lammers, J.M., van Soelen, E.E., Donders, T.H., Wagner-Cremer, F., Sinninghe Damsté, J.S., Reichart, G.J. Natural environmental changes versus human impact in a Florida Estuary (Rookery Bay, USA). *Estuaries and Coasts* 36, 149-157.
- Lank, D.B., Farrel, L.L., Burke, T., Piersma, T., McRae, S.B. A dominant allele controls development into female mimic male and diminutive female ruffs. *Biology Letters* 9, 20130653.
- Larsson, A.I., Lundalv, T., van Oevelen, D. Skeletal growth, respiration rate and fatty acid composition in the cold-water coral *Lophelia pertusa* under varying food conditions. *Marine Ecology Progress Series* 483, 169-184.
- Larsson, A.I., van Oevelen, D., Purser, A., Thomsen, L. Tolerance to long-term exposure of suspended benthic sediments and drill cuttings in the cold-water coral *Lophelia pertusa*. *Marine Pollution Bulletin* 70, 176-188.
- Lavaud, R., Thebault, J., Lorrain, A., van der Geest, M., Chauvaud, L. *Senilia senilis* (Linnaeus, 1758), a biogenic archive of environmental conditions on the Banc d'Arguin (Mauritania). *Journal of Sea Research* 76, 61-72.
- Lawrenz, E., Silsbe, G., Capuzzo, E., Ylostalo, P., Forster, R.M., Simis, S.G.H., Prasil, O., Kromkamp, J.C., Hickman, A.E., Moore, C.M., Forget, M.H., Geider, R.J., Suggett, D.J. Predicting the electron requirement for carbon fixation in seas and oceans. *Plos One* 8, e58137. (open access).
- Lekunberri, I., Sintes, E., de Corte, D., Yokokawa, T., Herndl, G.J. Spatial patterns of bacterial and archaeal communities along the Romanche Fracture Zone (tropical Atlantic). *Fems Microbiology Ecology* 85, 537-552
- Lengger, S.K., Kraaij, M., Tjallingii, R., Baas, M., Stuut, J.B., Hopmans, E.C., Sinninghe Damsté J.S., Schouten, S. Differential degradation of intact polar and core glycerol dialkyl glycerol tetraether lipids upon post-depositional oxidation. *Organic Geochemistry* 65, 83-93.
- Leote, C., Epping, E., Van Cappellen, P. Phosphate sorption from seawater solutions: Particle concentration effect. *Marine Chemistry* 148, 52-62.
- Leyrer, J., Lok, T., Brugge, M., Spaans, B., Sandercock, B.K., Piersma, T. Mortality within the annual cycle: seasonal survival patterns in Afro-Siberian Red Knots *Calidris canutus canutus*. *Journal of Ornithology* 154, 933-943.
- Liu, Q.X., Doelman, A., Rottschäfer, V., de Jager, M., Herman, P.M.J., Rietkerk, M., van de Koppel, J. Phase separation explains a new class of self-organized spatial patterns in ecological systems. *Proceedings of the National Academy of Sciences of the United States of America* 110, 11905-11910.
- Loebl, M., van Beusekom, J.E.E., Philippart, C.J.M. No microzooplankton grazing during a *Mediopyxis helysia* dominated diatom bloom. *Journal of Sea Research* 82, 80-85.
- Lohmann, G., Pfeiffer, M., Laepple, T., Leduc, G., Kim, J.H. A model-data com-

- parison of the Holocene global sea surface temperature evolution. *Climate of the Past* 9, 1807-1839. (open access).
- Lok, T., Overdijk, O., Piersma, T. Migration tendency delays distributional response to differential survival prospects along a flyway. *American Naturalist* 181, 520-531.
- Lok, T., Overdijk, O., Tinbergen, J.M., Piersma, T. Seasonal variation in density dependence in age-specific survival of a long-distance migrant. *Ecology* 94, 2358-2369.
- Lønborg, C., Middelboe, M., Brussaard, C.P.D. Viral lysis of *Micromonas pusilla*: impacts on dissolved organic matter production and composition. *Biogeochemistry* 116: 231-240.
- Lopes dos Santos, R.A., De Deckker, P., Hopmans, E.C., Magee, J.W., Mets, A., Sinninghe Damsté, J.S., Schouten, S. Abrupt vegetation change after the Late Quaternary megafaunal extinction in southeastern Australia. *Nature Geoscience* 6, 627-631.
- Lopes dos Santos, R.A., De Deckker, P., Sinninghe Damsté, J.S., Schouten, S. A late Quaternary sedimentary record of steryl alkyl ethers from offshore southeastern Australia. *Organic Geochemistry* 54, 140-145.
- Lopes dos Santos, R.A., Spooner, M.I., Barrows, T.T., De Deckker, P., Sinninghe Damsté, J.S., Schouten, S. Comparison of organic ( $U^{K}_{37}$ ,  $TEX_{86}^H$ , LDI) and faunal proxies (foraminiferal assemblages) for reconstruction of late Quaternary sea surface temperature variability from offshore southeastern Australia. *Paleoceanography* 28, 377-387.
- Lopes, R.J., Alves, J.A., Gill, J.A., Gunnarsson, T.G., Hooijmeijer, J., Lourenco, P.M., Masero, J.A., Piersma, T., Potts, P.M., Rabacal, B., Reis, S., Sanchez-Guzman, J.M., Santiago-Quesada, F., Villegas, A. Do different subspecies of black-tailed godwit *Limosa limosa* overlap in Iberian wintering and staging areas? Validation with genetic markers. *Journal of Ornithology* 154, 35-40.
- Losey N.A., Stevenson B.S., Busse H.-J., Sinninghe Damsté J.S., Rijpstra W.I.C., Rudd S., Lawson P.A. *Thermoanaerobaculum aquaticum* gen. nov., sp. nov., the first cultivated member of Acidobacteria subdivision 23, isolated from a hot spring. *International Journal of Systematic and Evolutionary Microbiology* 63, 4149-4157.
- Luque, P.L., Pierce, G.J., Learmonth, J.A., Ieno, E., Santos, B., Lopez, A., Reid, R.J., Rogan, E., Boon, J., Lockyer, C.H. Are mineralization anomalies in common dolphin teeth associated with life-history events and/or the exposure to anthropogenic pollutants? *Journal of Zoology* 291, 194-204.
- Magalhaes, J.M., da Silva, J.C.B., Batista, M., Gostiaux, L., Gerkema, T., New, A.L., Jeans, D.R.G. On the detectability of internal waves by an imaging lidar. *Geophysical Research Letters* 40, 3429-3434.
- Magni, P., Rajagopal, S., Como, S., Jansen, J.M., van der Velde, G., Hummel, H. Delta C-13 and delta N-15 variations in organic matter pools, *Mytilus* spp. and *Macoma balthica* along the European Atlantic coast. *Marine Biology* 160, 541-552.
- Martinho, F., van der Veer, H.W., Cabral, H.N., Pardal, M.A., 2013. Juvenile nursery colonization patterns for the European flounder (*Platichthys flesus*): A latitudinal approach. *Journal of Sea Research* 84, 61-69.
- McGee, D., deMenocal, P.B., Winckler, G., Stuut, J.B.W., Bradtmiller, L.I. The magnitude, timing and abruptness of changes in North African dust deposition over the last 20,000 yr. *Earth and Planetary Science Letters* 371, 163-176.
- Meesters, E.H., B. Mueller, M.M. Nugues. Caribbean free-living coral species co-occurring deep off the windward coast of Curaçao. *Coral Reefs* 32(1), 109.
- Meire, L., Soetaert, K.E.R., Meysman, F.J.R. Impact of global change on coastal oxygen dynamics and risk of hypoxia. *Biogeosciences* 10, 2633-2653. (open access).
- Mendes, L., Pardal, S., Morais, J., Antunes, S., Ramos, J.A., Perez-Tris, J., Piersma, T. Hidden haemosporidian infections in ruffs (*Philomachus pugnax*) staging in Northwest Europe en route from Africa to Arctic Europe. *Parasitology Research* 112, 2037-2043.
- Meyer, I., Davies, G.R., Vogt, C., Kuhlmann, H., Stuut, J.B.W. Changing rainfall patterns in NW Africa since the Younger Dryas. *Aeolian Research* 10, 111-123.
- Middag, R., de Baar, H.J.W., Klunder, M.B., Laan, P. Fluxes of dissolved aluminum and manganese to the Weddell Sea and indications for manganese co-limitation. *Limnology and Oceanography* 58, 287-300.
- Mil-Homens, M., Blum, J.D., Canario, J., Caetano, M., Costa, A.M., Lebreiro, S.M., Trancoso, M., Richter, T., de Stigter, H., Johnson, M., Branco, V., Cesario, R., Mouro, F., Mateus, M., Boer, W., Melo, Z. Tracing anthropogenic Hg and Pb input using stable Hg and Pb isotope ratios in sediments of the central Portuguese Margin. *Chemical Geology* 336, 62-71.
- Mil-Homens, M., Caetano, M., Costa, A.M., Lebreiro, S., Richter, T., de Stigter, H., Trancoso, M.A., Brito, P. Temporal evolution of lead isotope ratios in sediments of the Central Portuguese Margin: A fingerprint of human activities. *Marine Pollution Bulletin* 74, 274-284.
- Miyatake, T., MacGregor, B.J., Boschker, H.T.S. Depth-related differences in organic substrate utilization by major microbial groups in intertidal marine sediment. *Applied and Environmental Microbiology* 79, 389-392. (open access).
- Molen, J., Aldridge, J., Coughlan, C., Parker, E., Stephens, D., Ruardij, P. Modelling marine ecosystem response to climate change and trawling in the North Sea. *Biogeochemistry* 113, 213-236.
- Moore, E.K., Hopmans, E.C., Rijpstra, W.I.C., Villanueva, L., Dedysh, S.N., Kulichevskaya, I.S., Wienk, H., Schoutsen, F., Sinninghe Damsté, J.S. Novel mono-, di-, and trimethylornithine membrane lipids in northern wetland planctomycetes. *Applied and Environmental Microbiology* 79, 6874-6884.
- Moreira, L.S., Moreira-Turcq, P., Cordeiro, R.C., Turcq, B., Kim, J.-H., Caquineau, S., Mandengo Yogo, M., Sinninghe Damsté, J.S. Paleohydrological controls on sedimentary organic matter composition in an Amazon floodplain lake, Lake Maracá (Brazil) during the Late Holocene. *The Holocene* 23, 1903-1914.

- Morozov, E.G., Tarakanov, R.Y., van Haren, H. Transport of Antarctic bottom water through the Kane Gap, tropical NE Atlantic Ocean. *Ocean Science* 9, 825-835, doi:10.5194/os-9-825-2013. (open access).
- Motegi, C., Tanaka, T., Piontek, J., Brussaard, C.P.D., Gattuso, J.P., Weinbauer, M.G. Effect of CO<sub>2</sub> enrichment on bacterial metabolism in an Arctic fjord. *Biogeosciences* 10, 3285-3296. (open access).
- Mueller, C.E., Lundalv, T., Middelburg, J.J., van Oevelen, D. The symbiosis between *Lophelia pertusa* and *Eunice norvegica* stimulates coral calcification and worm assimilation. *Plos One* 8. (open access).
- Nauw, J.J., Merckelbach, L.M., Ridderinkhof, H., van Aken, H.M. Long-term ferry-based observations of the suspended sediment fluxes through the Marsdiep inlet using acoustic Doppler current profilers, *Journal of Sea Research*, ISSN 1385-1101, <http://dx.doi.org/10.1016/j.seares.2013.11.013>.
- Nehrke, G., Keul, N., Langer, G., de Nooijer, L.J., Bijma, J., Meibom, A. A new model for biomineralization and trace-element signatures of Foraminifera tests. *Biogeosciences* 10, 6759-6767. (open access).
- Nieto-Moreno, V., Martinez-Ruiz, F., Willmott, V., Garcia-Orellana, J., Masque, P., Sinninghe Damsté, J.S. Climate conditions in the westernmost Mediterranean over the last two millennia: An integrated biomarker approach. *Organic Geochemistry* 55, 1-10.
- Novoa, S., Wernand, M.R., van der Woerd, H.J. The Forel-Ule scale revisited spectrally: preparation protocol, transmission measurements and chromaticity. *Journal of the European Optical Society - Rapid publications*, Europe, v. 8, ISSN 1990-2573. doi:434.
- Nunez-Riboni, I., Kristinsson, K., Bernreuther, M., van Aken, H.M., Stransky, C., Cisewski, B., Rolskiy, A. Impact of interannual changes of large scale circulation and hydrography on the spatial distribution of beaked redfish (*Sebastes mentella*) in the Irminger Sea. *Deep-Sea Research Part I-Oceanographic Research Papers* 82, 80-94.
- Nurijanyan, S., Bokhove, O., Maas, L.R.M. A new semi-analytical solution for inertial waves in a rectangular parallelepiped. *Phys. Fluids* 25, 126601, doi:10.1063/1.4837576.
- Onrust, J., de Fouw, J., Oudman, T., van der Geest, M., Piersma, T., Gils, J.A. Red knot diet reconstruction revisited: context dependence revealed by experiments at Banc d'Arguin, Mauritania. *Bird Study* 60, 298-307.
- Pape, E., van Oevelen, D., Moodley, L., Soetaert, K., Vanreusel, A. Nematode feeding strategies and the fate of dissolved organic matter carbon in different deep-sea sedimentary environments. *Deep-Sea Research Part I-Oceanographic Research Papers* 80, 94-110.
- Pardo, M.A.D., Bakker, M., van Kessel, T., Cozzoli, F., Winterwerp, J.C. Erodibility of soft freshwater sediments in Markermeer: the role of bioturbation by meiobenthic fauna. *Ocean Dynamics* 63, 1137-1150.
- Pascal, P.Y., Fleeger, J.W., Boschker, H.T.S., Mitwally, H.M., Johnson, D.S. Response of the benthic food web to short- and long-term nutrient enrichment in saltmarsh mudflats. *Marine Ecology Progress Series* 474, 27-41.
- Peltier, H., Baagoe, H.J., Camphuysen, K.C.J., Czeck, R., Dabin, W., Daniel, P., Deaville, R., Haelters, J., Jauniaux, T., Jensen, L.F., Jepson, P.D., Keijl, G.O., Siebert, U., Van Canneyt, O., Ridoux, V. The stranding anomaly as population indicator: The case of harbour porpoise *Phocoena phocoena* in North-Western Europe. *Plos One* 8 e62180; doi: 10.1371/journal.pone.0062180. (open access).
- Penning, W.E., Pozzato, L., Vijverberg, T., Noordhuis, R., de Vaate, A.B., Van Donk, E., Pires, L.M.D. Effects of suspended sediments on food uptake for zebra mussels in Lake Markermeer, The Netherlands. *Inland Waters* 3, 437-450.
- Perner, K., Moros, M., Snowball, I., Lloyd, J.M., Kuijpers, A., Richter, T. Establishment of modern circulation pattern at c. 6000 cal a BP in Disko Bugt, central West Greenland: opening of the Vaigat Strait. *Journal of Quaternary Science* 28, 480-489.
- Petersen, J.K., Maar, M., Ysebaert, T., Herman, P.M.J. Near-bed gradients in particles and nutrients above a mussel bed in the Limfjorden: influence of physical mixing and mussel filtration. *Marine Ecology Progress Series* 490, 137-146.
- Philippart, C.J.M., Salama, S., Kromkamp, J.C., van der Woerd, H.J., Zuur, A.F., Cadee, G.C. Four decades of variability in turbidity in the western Wadden Sea as derived from corrected Secchi disk readings. *Journal of Sea Research* 82, 67-79.
- Piersma, T. Timing, nest site selection and multiple breeding in House Martins: age-related variation and the preference for self-built mud nests. *Ardea* 101, 23-32.
- Poulin, R., Krasnov, B.R., Pilosof, S., Thieltges, D.W. Phylogeny determines the role of helminth parasites in intertidal food webs. *Journal of Animal Ecology* 82, 1265-1275.
- Pozzato, L., van Oevelen, D., Moodley, L., Soetaert, K., Middelburg, J.J. Carbon processing at the deep-sea floor of the Arabian Sea oxygen minimum zone: A tracer approach. *Journal of Sea Research* 78, 45-58.
- Provoost, P., Braeckman, U., Van Gansbeke, D., Moodley, L., Soetaert, K., Middelburg, J.J., Vanaverbeke, J. Modelling benthic oxygen consumption and benthic-pelagic coupling at a shallow station in the southern North Sea. *Estuarine Coastal and Shelf Science* 120, 1-11.
- Raab, K., Llope, M., Nagelkerke, L.A.J., Rijnsdorp, A.D., Teal, L.R., Licandro, P., Ruardij, P., Dickey-Collas, M. Influence of temperature and food availability on juvenile European anchovy *Engraulis encrasicolus* at its northern boundary. *Marine Ecology Progress Series* 488, 233-245.
- Rabitti, A., Maas, L.R.M. Meridional trapping and zonal propagation of inertial waves in a rotating fluid shell. *Journal of Fluid Mechanics* 729, 445-470.



- Regnier, P., Friedlingstein, P., Ciais, P., Mackenzie, F.T., Gruber, N., Janssens, I.A., Laruelle, G.G., Lauerwald, R., Luysaert, S., Andersson, A.J., Arndt, S., Arnosti, C., Borges, A.V., Dale, A.W., Gallego-Sala, A., Godderis, Y., Goossens, N., Hartmann, J., Heinze, C., Ilyina, T., Joos, F., LaRowe, D.E., Leifeld, J., Meyman, F.J.R., Munhoven, G., Raymond, P.A., Spahni, R., Suntharalingam, P., Thullner, M. Anthropogenic perturbation of the carbon fluxes from land to ocean. *Nature Geoscience* 6, 597-607.
- Reinthal, T., Álvarez Salgado, X.A., Álvarez, M., van Aken, H.M., Herndl, G.J. Impact of water mass mixing on the biogeochemistry and microbiology of the Northeast Atlantic Deep Water. *Global Biogeochemical Cycles* 27, doi:10.1002/2013GB004634. (open access).
- Reysenbach, A.L., Liu, Y., Lindgren, A.R., Wagner, I.D., Sislak, C.D., Mets, A., Schouten, S. *Mesoaciditoga lauensis* gen. nov., sp. nov., a moderate thermoacidophilic Thermotogales from a deep-sea hydrothermal vent. *Int. J. Syst. Ev. Microbiol.* 63, 4724-4729 doi: 10.1099/ijs.0.050518-0.
- Robin, F., Piersma, T., Meunier, F., Bocher, P. Expansion into an herbivorous niche by a customary carnivore: black-tailed godwits feeding on rhizomes of *Zostera* at a newly established wintering site. *Condor* 115, 340-347.
- Rossi, F., Gribsholt, B., Gazeau, F., Di Santo, V., Middelburg, J.J. Complex Effects of Ecosystem Engineer Loss on Benthic Ecosystem Response to Detrital Macroalgae. *Plos One* 8. (open access).
- Russ, L., Kartal, B., Op den Camp, H.J.M., Sollai, M., Le Bruchec, J., Caprais, J.C., Godfroy, A., Sinninghe Damsté, J.S., Jetten, M.S.M. Presence and diversity of anammox bacteria in cold hydrocarbon-rich seeps and hydrothermal vent sediments of the Guaymas Basin. *Frontiers in Microbiology* 4, 219. (open access).
- Ruthrauff, D.R., Dekinga, A., Gill, R.E., Piersma, T. Identical metabolic rate and thermal conductance in rock sandpiper (*Calidris ptilocnemis*) subspecies with contrasting nonbreeding life histories. *Auk* 130, 60-68.
- Ruthrauff, D.R., Dekinga, A., Gill, R.E., Summers, R.W., Piersma, T. Ecological correlates of variable organ sizes and fat loads in the most northerly wintering shorebirds. *Canadian Journal of Zoology-Revue Canadienne De Zoologie* 91, 698-705.
- Saderne, V., Fietzek, P., Herman, P.M.J. Extreme Variations of pCO<sub>2</sub> and pH in a macrophyte meadow of the Baltic Sea in summer: Evidence of the effect of photosynthesis and local upwelling. *Plos One* 8(4): e26289. doi:10.1371/journal.pone.0062689. (open access).
- Santini, S., Jeudy, S., Bartoli, J., Poirot, O., Lescot, M., Abergel, C., Barbe, V., Wommack, K.E., Noordeloos, A.A.M., Brussaard, C.P.D., Claverie, J.M. Genome of *Phaeocystis globosa* virus PgV-16T highlights the common ancestry of the largest known DNA viruses infecting eukaryotes. *Proceedings of the National Academy of Sciences of the United States of America* 110, 10800-10805.
- Schaafsma, F.L., Peperzak, L. Phytoplankton growth inhibited by the toxic and bacterivorous ciliate *Uronema marinum* (Protozoa, Ciliophora). *Marine Ecology Progress Series* 475, 35-48.
- Schoelynck, J., Meire, D., Bal, K., Buis, K., Troch, P., Bouma, T., Meire, P., Temmerman, S. Submerged macrophytes avoiding a negative feedback in reaction to hydrodynamic stress. *Limnologica* 43, 371-380.
- Schoon, P.L., de Kluijver, A., Middelburg, J.J., Downing, J.A., Sinninghe Damsté, J.S., Schouten, S. Influence of lake water pH and alkalinity on the distribution of core and intact polar branched glycerol dialkyl glycerol tetraethers (GDGTs) in lakes. *Organic Geochemistry* 60, 72-82.
- Schoon, P.L., Heilmann-Clausen, C., Schultz, B.P., Sluijs, A., Sinninghe Damsté, J.S., Schouten, S. Recognition of Early Eocene global carbon isotope excursions using lipids of marine Thaumarchaeota. *Earth and Planetary Science Letters* 373, 160-168.
- Schouten, S., Hopmans, E.C., Rossell-Mele, A., Pearson, A.,..., Sinninghe Damsté, J.S. An interlaboratory study of TEX<sub>86</sub> and BIT analysis of sediments, extracts and standard mixtures. *Geochem. Geophys. Geosyst* 11, 5263-5285; doi:10.1002/2013GC004904.
- Schouten, S., Hopmans, E.C., Sinninghe Damsté, J.S. The organic geochemistry of glycerol dialkyl glycerol tetraether lipids: A review. *Organic Geochemistry* 54, 19-61.
- Schouten, S., Villareal, T.A., Hopmans, E.C., Mets, A., Swanson, K.M., Sinninghe Damsté, J.S. *Endosymbiotic heterocystous* cyanobacteria synthesize different heterocyst glycolipids than free-living heterocystous cyanobacteria. *Phytochemistry* 85, 115-121.
- Schulz, K.G., Bellerby, R.G.J., Brussaard, C.P.D., Budenbender, J., Czerny, J., Engel, A., Fischer, M., Koch-Klavens, S., Krug, S.A., Lischka, S., Ludwig, A., Meyerhofer, M., Nondal, G., Silyakova, A., Stühr, A., Riebesell, U. Temporal biomass dynamics of an Arctic plankton bloom in response to increasing levels of atmospheric carbon dioxide. *Biogeosciences* 10, 161-180. (open access).
- Shamoun-Baranes, J., Camphuysen, C.J. Population dynamics in lesser black-backed gulls in the Netherlands reveal no response to North Sea regime shift: comment on Luczak et al. 2012. *Biology Letters*. 20121085 <http://dx.doi.org/10.1098/rsbl.2012.1085>.
- Sheik, A.R., Brussaard, C.P.D., Lavik, G., Foster, R.A., Musat, N., Adam, B., Kuypers, M.M.M. Viral infection of *Phaeocystis globosa* impedes release of chitinous star-like structures: quantification using single cell approaches. *Environmental Microbiology* 15, 1441-1451.
- Silliman, B.R., McCoy, M., Angelini, C., Holt, B., Griffin, J., van de Koppel, J. Consumer fronts, climate change, and ecosystem structure, stability and resilience. *Annual Review of Ecology, Evolution and Systematics* 44, 503-538.
- Sintes, E., Witte, H., Stodderegger, K., Steiner, P., Herndl, G.J. Temporal dynamics in the free-living bacterial community composition in the coastal North Sea. *Fems Microbiology Ecology* 83, 413-424.
- Smedes, F., van Vliet, L.A., Booij, K. Multi-ratio equilibrium passive sampling

- method to estimate accessible and pore water concentrations of polycyclic aromatic hydrocarbons and polychlorinated biphenyls in sediment. *Environmental Science & Technology* 47, 510-517.
- Smith, M., De Deckker, P., Rogers, J., Brocks, J., Hope, J., Schmidt, S., Lopes dos Santos, R., Schouten, S. Comparison of  $U^{K}_{37}$ ,  $TEX_{86}^H$  and LDI temperature proxies for reconstruction of south-east Australian ocean temperatures. *Organic Geochemistry* 64, 94-104.
- Stehouwer, P.P., Liebich, V., Peperzak, L. Flow cytometry, microscopy, and DNA analysis as complementary phytoplankton screening methods in ballast water treatment studies. *Journal of Applied Phycology* 25, 1047-1053.
- Stehouwer, P.P., van Slooten, C., Peperzak, L. Microbial dynamics in acetate-enriched ballast water at different temperatures. *Ecotoxicology and Environmental Safety* 96, 93-98.
- Stocchi, P., Escutia, C., Houben, A.J.P., Vermeersen, B.L.A., Bijl, P.K., Brinkhuis, H., DeConto, R.M., Galeotti, S., Passchier, S., Pollard, D., Scientists, I.E. Relative sea-level rise around East Antarctica during Oligocene glaciation. *Nature Geoscience* 6, 380-384.
- Studer, A., Kremer, L., Nelles, J., Poulin, R., Thieltses, D.W. Biotic interference in parasite transmission: Can the feeding of anemones counteract an increased risk of parasitism in amphipods at higher temperature? *Journal of Experimental Marine Biology and Ecology* 445, 116-119.
- Swierts, T., Peijnenburg, K., de Leeuw, C., Cleary, D.F.R., Hornlein, C., Setiawan, E., Worheide, G., Erpenbeck, D., de Voogd, N.J. Lock, stock and two different barrels: Comparing the genetic composition of morphotypes of the Indo-Pacific sponge *Xestospongia testudinaria*. *Plos One* 8, e74396. (open access).
- Takasu, H., Kunihiro, T., Nakano, S. Estimation of carbon biomass and community structure of planktonic bacteria in Lake Biwa using respiratory quinone analysis. *Limnology* 14, 247-256.
- Tamburini, C., Canals, M., Durrieu de Madron, X., van Haren H. et al. Deep-Sea Bioluminescence Blooms after Dense Water Formation at the Ocean Surface. *PloS ONE* 8(7): e67523. doi:10.1371/journal.pone.0067523. (open access).
- Tecchio, S., van Oevelen, D., Soetaert, K., Navarro, J., Ramirez-Llodra, E. Trophic dynamics of deep-sea megabenthos are mediated by surface productivity. *Plos One* 8. (open access).
- Tedesco, P.A., Oberdorff, T., Cornu, J.F., Beauchard, O., Brosse, S., Durr, H.H., Grenouillet, G., Leprieur, F., Tisseuil, C., Zaiss, R., Hugueny, B. A scenario for impacts of water availability loss due to climate change on riverine fish extinction rates. *Journal of Applied Ecology* 50, 1105-1115.
- Temmerman, S., Meire, P., Bouma, T.J., Herman, P.M.J., Ysebaert, T., de Vriend, H.J. Ecosystem-based coastal defence in the face of global change. *Nature* 504, 79-83.
- Thieltses, D.W., Amundsen, P.A., Hechinger, R.F., Johnson, P.T.J., Lafferty, K.D., Mouritsen, K.N., Preston, D.L., Reise, K., Zander, C.D., Poulin, R. Parasites as prey in aquatic food webs: implications for predator infection and parasite transmission. *Oikos* 122, 1473-1482.
- Thieltses, D.W., Engelsma, M.Y., Wendling, C.C., Wegner, K.M. Parasites in the Wadden Sea food web. *Journal of Sea Research* 82, 122-133.
- Thieltses, D.W., Marcogliese, D.J., Blonar, C.A., Poulin, R. Trematode prevalence-occupancy relationships on regional and continental spatial scales in marine gastropod hosts. *Marine Ecology Progress Series* 490, 147-154.
- Thompson, R.M., Poulin, R., Mouritsen, K.N., Thieltses, D.W. Resource tracking in marine parasites: going with the flow? *Oikos* 122, 1187-1194.
- Trimbos, K.B., Kentie, R., van der Velde, M., Hooijmeijer, J.C.E.W., Poley, C., Musters, C.J.M., de Snoo, G.R., Piersma, T. Intronic variation at the CHD1-Z gene in Black-tailed Godwits *Limosa limosa limosa*: correlations with fitness components revisited. *Ibis*, 155, 508-517.
- Turich, C., Schouten, S., Thunell, R.C., Varela, R., Astor, Y., Wakeham, S.G. Comparison of  $TEX_{86}$  and  $U^{K}_{37}$  temperature proxies in sinking particles in the Cariaco Basin. *Deep-Sea Research Part I-Oceanographic Research Papers* 78, 115-133.
- Van Aken, H.M., Lutjeharms, J.R.E., Rouault, M., Whittle, C., de Ruijter, W.P.M. Observations of an early Agulhas current retroflexion event in 2001: A temporary cessation of inter-ocean exchange south of Africa? *Deep-Sea Research Part I-Oceanographic Research Papers* 72, 1-8.
- Van Colen, C., Thrush, S.F., Vincx, M., Ysebaert, T. Conditional Responses of Benthic Communities to Interference from an Intertidal Bivalve. *Plos One* 8(6): e65861. doi:10.1371/journal.pone.0065861. (open access).
- Van de Poll, W.H., Kulk, G., Timmermans, K.R., Brussaard, C.P.D., van der Worderd, H.J., Kehoe, M.J., Mojica, K.D.A., Visser, R.J.W., Rozema, P.D., Buma, A.G.J. Phytoplankton chlorophyll a biomass, composition, and productivity along a temperature and stratification gradient in the northeast Atlantic Ocean. *Biogeosciences* 10, 4227-4240. (open access).
- Van de Waal, D.B., John, U., Ziveri, P., Reichart, G.J., Hoins, M., Sluijs, A., Rost, B. Ocean Acidification Reduces Growth and Calcification in a Marine Dinoflagellate. *Plos One* 8, e65987. (open access).
- Van den Brink, F.W.B., van der Velde, G., Wijnhoven, S. Diversity, occurrence and feeding traits of caddisfly larvae as indicators for ecological integrity of river-floodplain habitats along a connectivity gradient. *Ecological Indicators* 25, 92-98.
- Van den Brink, F.W.B., van der Velde, G., Wijnhoven, S. Seasonal changes in caddis larvae assemblages in river-floodplain habitats along a hydrological connectivity gradient. *Hydrobiologia* 716, 75-85.
- Van der Meer, J., Beukema, J.J., Dekker, R. Using stochastic population process models to predict the impact of climate change. *Journal of Sea Research* 82, 117-121.
- Van der Meer, M.T.J., Benthien, A., Bijma, J., Schouten, S., Sinninghe Damsté,

- J.S. Alkenone distribution impacts the hydrogen isotopic composition of the C-37:2 and C-37:3 alkan-2-ones in *Emiliana huxleyi*. *Geochimica et Cosmochimica Acta* 111, 162-166.
- Van der Stocken, T., de Ryck, D.J.R., Balke, T., Bouma, T.J., Dahdouh-Guebas, F., Koedam, N. The role of wind in hydrochorous mangrove propagule dispersal. *Biogeosciences* 10, 3635-3647. (open access).
- Van der Wal, W., Barnhoorn, A., Stocchi, P., Gradmann, S., Wu, P., Drury, M., Vermeersen, B. Glacial isostatic adjustment model with composite 3-D Earth rheology for Fennoscandia. *Geophysical Journal International* 194, 61-77.
- Van Engeland, T., Bouma, T.J., Morris, E.P., Brun, F.G., Peralta, G., Lara, M., Hendriks, I.E., van Rijswijk, P., Veuger, B., Soetaert, K., Middelburg, J.J. Dissolved organic matter uptake in a temperate seagrass ecosystem. *Marine Ecology Progress Series* 478, 87-100.
- Van Gils, J.A., van der Geest, M., Leyrer, J., Oudman, T., Lok, T., Onrust, J., de Fouw, J., van der Heide, T., van den Hout, P.J., Spaans, B., Dekinga, A., Brugge, M., Piersma, T. Toxin constraint explains diet choice, survival and population dynamics in a molluscivore shorebird. *Proceedings of the Royal Society B-Biological Sciences* 280, 20130861; doi:10.1098/rspb.2013.0861.
- Van Haren, H. Bottom-pressure observations of deep-sea internal hydrostatic and non-hydrostatic motions. *Journal of Fluid Mechanics* 714, 591-611, doi:10.1017/jfm.2012.507.
- Van Haren, H. Stratified turbulence and small-scale internal waves above deep-ocean topography. *Physics of Fluids* 25, 106604, doi:10.1063/1.4826888.
- Van Haren, H., Compton, T.J. Diel vertical migration in deep sea plankton is finely tuned to latitudinal and seasonal day length. *Plos One* 8 e64435; doi:10.1371/journal.pone.0064435. (open access).
- van Haren, H., Greinert, J. Variability of internal frontal bore breaking above Opouawe Bank methane seep area (New Zealand). *Geochemistry Geophysics Geosystems* 14, 2460-2473, doi:10.1002/ggge.20170.
- van Haren, H., Morozov, E., Gostiaux, L., Tarakanov, R. Convective and shear-induced turbulence in the deep Kane Gap. *Journal of Geophysical Research-Oceans* 118, 5924-5930, doi:10.1002/2013JC009282.
- van Haren, H., Ribo, M., Puig, P. (Sub-)inertial wave boundary turbulence in the Gulf of Valencia. *Journal of Geophysical Research-Oceans* 118, 2067-2073, doi:10.1002/jgrc.20168.
- Van Hulst, M.M.P., Sterl, A., Tagliabue, A., Dutay, J.C., Gehlen, M., de Baar, H.J.W., Middag, R. Aluminium in an ocean general circulation model compared with the West Atlantic Geotraces cruises. *Journal of Marine Systems* 126, 3-23.
- Van Leeuwen, S.M., van der Molen, J., Ruardij, P., Fernand, L., Jickells, T. Modelling the contribution of deep chlorophyll maxima to annual primary production in the North Sea. *Biogeochemistry* 113, 137-152.
- Van Oostende, N., Moerdijk-Poortvliet, T.C.W., Boschker, H.T.S., Vyverman, W., Sabbe, K. Release of dissolved carbohydrates by *Emiliana huxleyi* and formation of transparent exopolymer particles depend on algal life cycle and bacterial activity. *Environmental Microbiology* 15, 1514-1531.
- van Soelen, E.E., Wagner-Cremer, F., Sinninghe Damsté, J.S., Reichart, G.J. Reconstructing tropical cyclone frequency using hydrogen isotope ratios of sedimentary n-alkanes in northern Queensland, Australia. *Palaeogeography Palaeoclimatology Palaeoecology* 376, 66-72.
- van Walraven, L., Langenberg, V.T., van der Veer, H.W. Seasonal occurrence of the invasive ctenophore *Mnemiopsis leidyi* in the western Dutch Wadden Sea. *Journal of Sea Research* 82, 86-92.
- Vandenbruwaene, W., Bouma, T.J., Meire, P., Temmerman, S. Bio-geomorphic effects on tidal channel evolution: impact of vegetation establishment and tidal prism change. *Earth Surface Processes and Landforms* 38, 122-132.
- Verschoor, A.M., van Dijk, M.A., Huisman, J., van Donk, E. Elevated CO<sub>2</sub> concentrations affect the elemental stoichiometry and species composition of an experimental phytoplankton community. *Freshwater Biology* 58, 597-611.
- Veuger, B., Pitcher, A., Schouten, S., Sinninghe Damsté, J.S., Middelburg, J.J. Nitrification and growth of autotrophic nitrifying bacteria and Thaumarchaeota in the coastal North Sea. *Biogeosciences* 10, 1775-1785. (open access).
- Vissers, E.W., Blaga, C.I., Bodelier, P.L.E., Muyzer, G., Schleper, C., Sinninghe Damsté, J.S., Tourna, M., Laanbroek, H.J. Seasonal and vertical distribution of putative ammonia-oxidizing thaumarchaeotal communities in an oligotrophic lake. *FEMS Microbiology Ecology* 83, 515-526.
- Voss, B., Bolhuis, H., Fewer, D.P., Kopf, M., Moke, F., Haas, F., El-Shehawey, R., Hayes, P., Bergman, B., Sivonen, K., Dittmann, E., Scanlan, D.J., Hagemann, M., Stal, L.J., Hess, W.R. Insights into the physiology and ecology of the brackish-water-adapted cyanobacterium *Nodularia spumigena* CCY9414 based on a genome-transcriptome analysis. *Plos One* 8, e0060224. (open access).
- Walker, P.D., Wijnhoven, S., van der Velde, G. Macrophyte presence and growth form influence macroinvertebrate community structure. *Aquatic Botany* 104, 80-87.
- Weldeab, S., Stuut, J.B.W., Schneider, R.R., Siebel, W. Holocene Climate variability in the winter rainfall zone of South Africa. *Climate of the Past* 9, 2347-2364. (open access).
- Wernand, M.R., Hommersom, A., van der Woerd, H.J. MERIS-based ocean colour classification with the discrete Forel-Ule scale. *Ocean Science* 9, 477-487. doi: 10.5194/os-9-477-2013. (open access).
- Wernand, M.R., van der Woerd, H.J., Gieskes, W.W.C. Trends in Ocean Colour and chlorophyll concentration from 1889 to 2000, Worldwide. *PLoS ONE* 8(6): e63766. doi:10.1371/journal.pone.0063766. (open access).
- Wilhartitz, I.C., Kirschner, A.K.T., Brussaard, C.P.D., Fischer, U.R., Wieltschnig, C., Stadler, H., Farnleitner, A.H. Dynamics of natural prokaryotes, viruses, and heterotrophic nanoflagellates in alpine karstic groundwater. *MicrobiologyOpen* 2: 633-643. (open access).

- Wit, J.C., de Nooijer, L.J., Wolthers, M., Reichart, G.J. A novel salinity proxy based on Na incorporation into foraminiferal calcite. *Biogeosciences* 10, 6375-6387. (open access).
- Wood, A.C.L., Rowden, A.A., Compton, T.J., Gordon, D.P., Probert, P.K. Habitat-forming Bryozoans in New Zealand: their known and predicted distribution in relation to broad-scale environmental variables and fishing effort. *Plos One* 8(9), e75160. doi:10.1371/journal.pone.0075160. (open access).
- Xie, X.H., Shang, X.D., van Haren, H., Chen, G.Y. Observations of enhanced nonlinear instability in the surface reflection of internal tides. *Geophysical Research Letters* 40, 1580-1586, doi:10.1002/grl.50322.
- Xue, Z.C., Rehkamper, M., Horner, T.J., Abouchami, W., Middag, R., van de Flierd, T., de Baar, H.J.W. Cadmium isotope variations in the Southern Ocean. *Earth and Planetary Science Letters* 382, 161-172.
- Yang, H.Y., Chen, B., Ma, Z.J., Hua, N., van Gils, J.A., Zhang, Z.W., Piersma, T. Economic design in a long-distance migrating molluscivore: how fast-fueling red knots in Bohai Bay, China, get away with small gizzards. *Journal of Experimental Biology* 216, 3627-3636.
- Zell, C., Kim, J.-H., Lima Sobrinho, R., Moreira-Turcq, P., Abril, G., Sinninghe Damsté, J.S. Impact of seasonal hydrological variation on the distributions of isoprenoid and branched tetraether lipids along the Amazon River in the central Amazon basin: Implications for the MBT/CBT paleothermometer. *Frontiers in Microbiology* 4, 228-1-228-14. (open access).
- Zell, C., Kim, J.H., Moreira-Turcq, P., Abril, G., Hopmans, E.C., Bonnet, M.P., Sobrinho, R.L., Sinninghe Damsté, J.S. Disentangling the origins of branched tetraether lipids and crenarchaeol in the lower Amazon River: Implications for GDGT-based proxies. *Limnology and Oceanography* 58, 343-353. (open access).
- Refereed chapters in books**
- Daan, R., de Bruyne, R., Wijnhoven, S., Kuijper, W., Faasse, M., van Moorsel, G., Gmelig Meyling, A., van Leeuwen, S. Tweekleppigen – Bivalvia. In: De Bruyne, R.H., van Leeuwen, S.J., Gmelig Meyling, A.W., Daan, R. (eds.). *Schelpdieren van het Nederlandse Noordzeegebied. Ecologische atlas van de mariene weekdieren (Mollusca)*. Uitgeverij Tirion, Utrecht en Stichting ANEMOON, Lisse, 47-174.
- Daan, R., Wijnhoven, S., Dekker, R., van Leeuwen, S. Leefgebieden voor weekdieren. In: De Bruyne, R.H., van Leeuwen, S.J., Gmelig Meyling, A.W., Daan, R. (eds.). *Schelpdieren van het Nederlandse Noordzeegebied. Ecologische atlas van de mariene weekdieren (Mollusca)*. Uitgeverij Tirion, Utrecht en Stichting ANEMOON, Lisse, 23-34.
- de Baar, H. IJzerfertilisatie is niet efficient. Interview in: *Klimaatengineering: hype, hoop of wanhoop*. Rathenau Instituut, 88-90. ISBN/EAN 978-90-77364-51-2.
- De Bruyne, R., Daan, R., Faasse, M., Kuijper, W., Wijnhoven, S., Gmelig Meyling, A., van Leeuwen, S. Huisjesslakken – Gastropoda. In: De Bruyne, R.H., van Leeuwen, S.J., Gmelig Meyling, A.W., Daan, R. (eds.). *Schelpdieren van het Nederlandse Noordzeegebied. Ecologische atlas van de mariene weekdieren (Mollusca)*. Uitgeverij Tirion, Utrecht en Stichting ANEMOON, Lisse, 175-262.
- Driessen, F., van Bragt, P., Dekker, R. Zeenaaktslakken – Gastropoda. In: De Bruyne, R., van Leeuwen S., Gmelig Meyling, A., Daan, R. (eds.). *Schelpdieren van het Nederlandse Noordzeegebied. Tirion Natuur, Utrecht*, 263-323.
- Maas, L. R.M. Effects of fluid stratification on swimming, rowing and paddling. In: *Sports Physics*, Chr. Clanet (ed.), 217-226. ISBN 978-2-7302-1615-9.
- Stal, L.J. Environmental factors regulating nitrogen fixation in heterocystous and non-heterocystous cyanobacteria. In: Srivastava, A.K., Rai, A.N., Neilan, B.A. (eds.) *Stress Biology of Cyanobacteria: Molecular Mechanisms to Cellular Responses*. Taylor & Francis / CRC Press, 291-305.
- van der Meer, J., Brey, T., Heip, C.H., Herman, P.J.M., Moens, T., van Oevelen, D. Flow of energy and matter in marine benthic animal populations. In: Eleftheriou, A. (ed.). *Methods in marine benthos studies*. Blackwell, Oxford, 349-425.
- Van Bennekom, J. Political factors in the establishment of Biological Stations before 1900. In: Groeben, C. (ed.). *Places, People, Tools : Oceanography in the Mediterranean and Beyond. Proceedings of the Eighth International Congress for the History of Oceanography*. Pubblicazioni della Stazione Zoologica Anton Dohrn, IV. Napoli, Giannini editore, 125-139. ISBN 978-88-7431-621-2.
- Wernand, M.R. The history of subsea optics. *Subsea optics and imaging*, Edited by John Watson, University of Aberdeen, UK and Oliver Zielinski, University of Oldenburg, Germany, In: *Woodhead Publishing Series in Electronic and Optical Materials No. 46*, 35-79. ISBN 13 978-0-85709-341-7.
- Monographs (books)**
- Jacobs S., Vandenbruwaene W., Vrebos D., Beauchard O., Boerema A., Wolfstein K., Maris T., Saathoff S., Meire P. Ecosystem Service Assessment of TIDE Estuaries. In: Jacobs S., Dendoncker N., Keune H. (eds.). *Ecosystem services: Global issues, local practices*. Elsevier.
- de Baar, H.J.W. The story behind the Dirck Gerritsz Laboratory. *Het Dirck Gerritsz Laboratorium, Het verhaal achter de naam (tweetalig)*, 48 pp. ISBN 978-90-77875-74-2.
- Cruise reports**
- Bergman, M., Duineveld, G., Lavaleye, M., Witbaard, R. Survey van de mega-



- fauna op het Friese Front. Verslag en data rapport. R/V Pelagia, cruise 64PE363, 19-24 November 2012; NIOZ report 2013-10.
- Meysman, F.J.R. Grevelingen cruise January 2013, R/V Luctor.
- Meysman, F.J.R. Grevelingen cruise February 2013, R/V Luctor.
- Meysman, F.J.R. Grevelingen cruise March 2013, R/V Luctor.
- Meysman, F.J.R. Grevelingen cruise April 2013, R/V Luctor.
- Meysman, F.J.R. Grevelingen cruise May 2013, R/V Luctor.
- Meysman, F.J.R. Grevelingen cruise June 2013, R/V Luctor.
- Meysman, F.J.R. Grevelingen cruise July 2013, R/V Luctor.
- Meysman, F.J.R. Grevelingen cruise August 2013, R/V Luctor.
- Meysman, F.J.R. Grevelingen cruise September 2013, R/V Luctor.
- Meysman, F.J.R. Grevelingen cruise October 2013, R/V Luctor.
- Meysman, F.J.R. Grevelingen cruise November 2013, R/V Luctor.
- Meysman, F.J.R. Grevelingen cruise December 2013, R/V Luctor.
- Mienis, F., Duineveld, G., Lavaleye, M. Biodiversity, ecosystem functioning and mound development of cold-water coral reefs. R/V Pelagia, cruise 64PE377, 4-16 October.
- Mienis, F., Duineveld, G.C.A., Lavaleye, M.S.S. and scientific shipboard crew. Biodiversity, ecosystem functioning and mound development of cold-water coral reefs, Report RV Pelagia Cruise 377, 22 pp.
- Reichart, G.J. PHOXY. Report RV Pelagia Cruise 64PE371, 141 pp.
- Rijkenberg, M. J. A. MedBlack GEOTRACES leg 1. R/V Pelagia cruise 64PE370, 14 May-5 June.
- Rijkenberg, M. J. A. MedBlack GEOTRACES leg 2. R/V Pelagia cruise 64PE373, 13 July-25 July.
- Rijkenberg, M. J. A. MedBlack GEOTRACES leg 3. R/V Pelagia cruise 64PE374, 25 July-11 August.
- Stuut, J.-B. and scientific shipboard crew. TRAFFIC: Transatlantic fluxes of Saharan dust. Report RV Meteor Cruise M89, 30 pp.
- Tiessen, M.C.H. FOKUZ cruise. R/V Pelagia, cruise 64PE365, 6-15 March.
- Van Duyl, F.C., Mueller, B. Spatial and species-specific variations in the diet of sponges on the Saba bank In: Progress Report Saba Bank Expedition II, R/V Caribbean Explorer II (ed. I. van Beek, IMARES), 19-26 Oktober.
- Van Haren, H. Cruise report KM3NeT13, 25 pp. R/V Pelagia, cruise 64PE367, 02-15 April.
- Witbaard, R., Duineveld, G., Bergman, M., van Weerlee, E., Lenting, W., Boom, L. NIOZ North Sea Monitoring. Habitat mapping Cleaver Bank. R/V Pelagia, cruise 64PE376-2, 9-14 September.
- zee kustzone en Doggersbank. NIOZ-report 2013-12, 32 pp.
- Boon, J.P. Quality report of the data from the land-based tests of the Cathelco Ballast Water Treatment System (April–October 2012). NIOZ Ballast Water Report 2013-2a, 25 pp.
- Dekker, R., Drent, J. The macrozoobenthos in the subtidal of the western Dutch Wadden Sea in 2008 and a comparison with 1981-1982. NIOZ report 2013-5, 98 pp.
- Depreiter, D., Cleveringa, J., van der Laan, T., Maris, T., Ysebaert, T., Wijnhoven, S. Samenvatting T2009 rapportage Schelde estuarium. Monitor Taskforce Publication Series 2013 – 11.
- Depreiter, D., Cleveringa, van der Laan, T., Maris, T., Ysebaert, T., Wijnhoven, S. Nota evaluatie van de Evaluatiemethodiek. T2009 rapportage Schelde-estuarium. Monitor Taskforce Publication Series 2013 – 12.
- Drent, J., Dekker, R. How different are subtidal *Mytilus edulis* L. communities of natural mussel beds and mussel culture plots in the western Dutch Wadden Sea? NIOZ-report 2013-6, 90 pp.
- Drent, J., Dekker, R. Macrofauna associated with mussels, *Mytilus edulis* L., in the subtidal of the western Dutch Wadden Sea. NIOZ-report 2013-7, 67 pp.
- Duijns, S., Holthuijsen, S., Koolhaas, A., Piersma T. Het belang van de Ballastplaat voor wadvogels in de westelijke Waddenzee. NIOZ-report 2013-8, 49 pp.
- Duineveld, G., Lavaleye, M. Witbaard, R. Video tellingen van megafauna in NATURA2000 gebieden op het Nederlands Continentale Plat- Klaverbank en Doggersbank. NIOZ-report 2013-13, 14 pp.
- Duineveld, G., Lavaleye, M., Mulder, M. Macrofauna rond de gasfonteinen in Blok B13, Doggersbank. NIOZ-report 2013-11, 12 pp.
- Duineveld, G., M. Lavaleye & R. Witbaard, 2013. Video tellingen van megafauna in NATURA2000 gebieden op het Nederlands Continentale Plat - Klaverbank en Doggersbank. NIOZ-report 2013-13. 14 pp.
- Escaravage, V., Hummel, H., Blok, D., Dekker, A., Engelberts, A., Van Hoesel, O., Kleine Schaars, L., Markusse, R., Meliefste, T., Sijm, W., Wijnhoven, S. Macrozoöbenthosonderzoek MWTL in de Delta 2011. Waterlichamen: Oosterschelde en Westerschelde (najaar). Monitor Taskforce Publication Series 2013 – 16.
- Escaravage, V.L. Analyse Rapport: MWTL najaar 2011. Monitor Taskforce Publication Series 2013 – 15.
- Escaravage, V.L. Analyse Rapport: MWTL najaar 2012. Monitor Taskforce Publication Series 2013 – 13.
- Hummel, H., Hummel, C.A. The role of marine stations in the 21st century. A business plan for MARS - the European Network of Marine Institutes and Stations. NIOZ-Yerseke, Yerseke, the Netherlands. Monitor Taskforce Publication Series 2013 – 03.
- Hummel, H., Wijnhoven, S. Long-term patterns in the establishment, expan-

## NIOZ reports

Bergman, M., Duineveld, G., Lavaleye, M., Witbaard, R. Verspreiding van megafauna in NATURA2000 gebieden op het Nederlands Continentale Plat - Noord-

- sion and decline of invading macrozoobenthic species in the brackish and marine waters of Southwest Netherlands. Monitor Taskforce Publication Series 2011 – 13. Marine Ecology (online 2013: doi:10.1111/maec.12085).
- Maris, T., Beauchard, O., Van Damme, S., Van den Bergh, E., Wijnhoven, S., Meire, P. Referentiematrix en Ecotooppervlaktes voor de toepassingen van de Evaluatiemethodiek. Studie naar "Ecotooppervlaktes en intactness index", behorende bij contractnummer 31069024. Universiteit Antwerpen ECOBE rapport 12-RXXX. Monitor Taskforce Publication Series 2013 – 01.
- Nauw, J., de Haas, H. A modelling intercomparison for the North Sea with a view to methane dispersion, NIOZ-Report 2013-3, 112 pp.
- Peperzak, L. Operational and efficiency testing of the AirTree Ballast Water Filter with natural seawater. NIOZ Ballast Water Report 2013-3, 24 pp.
- Peperzak, L. Operational and efficiency testing with natural seawater of the STF FILTROS™ self-cleaning FMA-9000 Ballast Water Filter. NIOZ Ballast Water Report 2013-1, 36 pp.
- Peperzak, L. The CATHELCO UV ballast water treatment system: results of the 2012 land-based IMO G8 tests at NIOZ. NIOZ Ballast Water Report 2013-2, 55 pp.
- Pronker, A.E., Peene, F., Donner, S., Wijnhoven, S., Geijssen, P., Bossier, P., Nevejan, N.M. Hatchery cultivation of the common cockle (*Cerastoderma edule* L.): from conditioning to grow-out. Monitor Taskforce Publication Series 2012 – 02. Aquaculture Research (online 2013: doi:10.1111/are.12178).
- Troost, K., van Asch, M., van Kooten, T., Wijnhoven, S. Advies Rapportage, benodigd aantal meetlocaties open en gesloten gebieden Doggersbank & Klaverbank. IMARES Brief Rapportage. Monitor Taskforce Publication Series 2013 – 05.
- Van Avesaath, P.H., Engelberts A.E. Hummel. H. Japanse oesters in het Veerse Meer. Haalbaarheidsstudie lokale verwijdering van Japanse oesters om overlast voor waterrecreatie te verminderen. Monitor Taskforce Publication Series 2013 – 19.
- Van Avesaath, P.H., Engelberts, A.E., Hummel, H. De verspreiding van abundante macro-algen in het Veerse Meer 2013. Monitor Taskforce Publication Series 2013 – 18.
- Wijnhoven, S., Duineveld, G., Lavaleye, M., Craeymeersch, J., Troost, K., van Asch, M. Kaderrichtlijn Marien indicatoren Noordzee. Naar een uitgebalanceerde selectie van indicator soorten ter evaluatie van habitats en gebieden en scenario's hoe die te monitoren. NIOZ report 2013-14, NIOZ, Monitor Taskforce Publication Series 2013-2, 106 pp.
- Wijnhoven, S., Kromkamp, J. Ecologisch functioneren. Hoofdstuk 10 in: Depreiter, D., Cleveringa, J., van der Laan, T., Maris, T., Ysebaert, T., Wijnhoven, S. (eds). T2009 rapportage Schelde estuarium. IMDC, ARCADIS, Universiteit van Antwerpen, IMARES, NIOZ, p. 458-485.+Bijlagen. Monitor Taskforce Publication Series 2013 – 10.
- Wijsman, J.W.M., Goudswaard, P.C., Escaravage, V., Wijnhoven, S. Rekolonisatie van de macrobenthosgemeenschap Zeeuwse Banken na zandwinning: een overzicht van drie T0 jaren en een eerste jaar rekolonisatie. IMARES Rapport C164/13, Monitor Taskforce Publication Series 2013 – 17.
- Witbaard, R., Duineveld, G.C.A., Berman, M.J.N. The final report on the growth and dynamics of *Ensis directus* in the near coastal zone off Egmond, in relation to environmental conditions in 2011-2012. NIOZ report 2013-2, 79 pp.
- Witbaard, R., Lavaleye, M.S.S., Duineveld, G.C.A., Bergman, M.J.N. Atlas of the megabenthos (incl. small fish) on the Dutch continental shelf of the North Sea. NIOZ-report 2013-4, 243 pp.
- Ysebaert, T., de Mesel, I., Wijnhoven, S., Kromkamp, J. Flora en fauna. Hoofdstuk 9 in: Depreiter, D., Cleveringa, J., van der Laan, T., Maris, T., Ysebaert, T., Wijnhoven, S. (eds). T2009 rapportage Schelde estuarium. IMDC, ARCADIS, Universiteit van Antwerpen, IMARES, NIOZ, p. 386-457 +Bijlagen. Monitor Taskforce Publication Series 2013 – 09.

#### Finalized data sets

- Beauchard, O. Biological traits of the North Sea sediment invertebrates.
- Wernand, M.R. U.S. National Oceanographic Data Center, NODC Accession Number 0114317. Ocean color and transparency data collected in the years 1889-99, 2001, 2002 and 2013 (Adriatic Sea, Aegean Sea, Alboran Sea, Arabian Sea, Bay of Bengal, English Channel, Gulf of Aden, Gulf of Aqaba, Gulf of Guinea, Gulf of Suez, Indian Ocean, Ionian Sea, Irish Sea and St. George's Channel, Kattegat, The Sound, Great Belt, Little Belt, Laccadive Sea, North Atlantic Ocean, North Sea, Red Sea, Skagerrak, South Atlantic Ocean, Tyrrhenian Sea), 13 November.

#### Other non-refereed publications

- Brinkhuis, H. ERICON science perspective 2015-2030 paper, lead author (Scientific Research in Polar Seas. FP7 program report 2013).
- Brinkhuis, H. EU Marine Board position paper *Navigating the Future IV*, contribution.
- Brinkhuis, H. Publicaties stimulans voor nieuw onderzoek. Jaarverslag KNAW Waddenacademie 2011/2012.
- Cadée, G.C. Een paardenoogboon (*Mucuna urens*) van de Helderse zeedijk. Op de Kop 27, 10-12.
- Cadée, G.C. Grazende alikruiken *Littorina littorea* (Linnaeus, 1758) beschadigen schelp van de Japanse oester *Crassostrea gigas* (Thunberg, 1793). Spirula 395, 164-166.

Cadée, G.C. Kleurrijk Palet: Zilvermeeuw (Audubon) *Natura* 2013-4, 11.

Cadée, G.C. Massaal aanspoelen van levende kokkels *Cerastoderma edule* (L.) gebruikt als tafonomie experiment. *Afzetting* 34, 74-78.

Cadée, G.C. Spoedig verwacht op ons strand: *Calophyllum*. *Zeepaard* 73, 148-150.

Cadée, G.C. Strandkoepels. *Het Zeepaard* 73, 28-30.

Cadée, G.C. Strandkrabben bieden huisvesting. *Natura* 2013-4, 6-7.

Cadée, G.C. Tafeltje dekje voor Scholeksters en Steenlopers. *De Skor* 32, 21.

Cadée, G.C., Cadée-Coenen, J. Strandkrab met muiltjes. *Op de Kop* 29, 13.

Cadée, G.C., Velting, P. Een 'Shea nut' *Vitellaria paradoxa* aangespoeld op Vlieland. *Zeepaard* 73, 138-141.

Camphuysen, C.J. Monitoring and assessment of the proportion of oiled Common Guillemots from beached bird surveys in The Netherlands: update winter 2012/13. Internal report commissioned by the Ministry of Infrastructure and the Environment (I&M), RWS Water, Traffic and Living Environment (RWS-WVL) and DG Mobility and Transport (DGB), Royal Netherlands Institute for Sea Research, Texel.

Fey, F., Witbaard, R. Factsheets Kaderrichtlijn Mariene Strategie-indicatoren van het Friese Front en de Centrale Oestergronden. IMARES rapport C185/13, 26 pp.

Gollash, S, Zetsche, E., Henneghien, J. Demonstration of the OVIZIO Organism Detection Technology, the 'oLine', for Compliance Enforcement with the Biological Standards of the IMO Ballast Water Management Convention. Final report. Prepared for Interreg IVB North Sea Ballast Water Opportunity project: 14 pp.

Henneghien, J., Zetsche, E.M. Blending flow analysis with microscopy – the 'oLine system' for ballast water monitoring, *The Ballast Times*.

Henneghien, J., Zetsche, E.M. The Ovizio Organism Detection System for compliance testing with IMO BWMC Standards: Double Differential Digital Holographic Microscopy (D3HM): a new technology offering unique monitoring possibilities for the environmental sciences.

Lavaleye, M.S.S., Duineveld, G. Faunal sampling of cold-water coral reefs. Deliverable D33 (CoralFISH), 7.

Troost, K., van Asch, M., Craeymeersch, J., Duineveld, G., Escaravage, V., Goudswaard, K., Lavaleye, M., Wijnhoven, S. Monitoringsplan T0 VHR gebieden Noordzee. IMARES Rapport C 049/13.

Troost, K., van Asch, M., Craeymeersch, J., Duineveld, G., Escaravage, V., Goudswaard, K., Lavaleye, M., Wijnhoven, S. Monitoringsplan T0 VHR gebieden Noordzee. IMARES Rapport C049/13, 106 pp.

Van der Ham, R., Cadée, G.C., Kruiswijk, W. Walnoten, pecannoten en een vleugelnoot van de Nederlandse kust. *Het Zeepaard* 73, 96-103.

Zetsche, E.M., Henneghien, J. OVIZIO Imaging Systems D3HM: Counting small single-celled aquatic organisms with Ovizio's D3HM in static mode.

## Posters

Bergman, M., Duineveld, G., Witbaard, R., Lavaleye, M. Noordzee bodemfauna data: nodig voor keuze van gesloten gebieden, indicatoren en monitoring strategie. Noordzeedagen, Den Helder, 10-11 October.

Besseling, M., Rodrigo-Gámiz, M., Rampen, S.W., Schouten, S., Verschuren, D., Sinninghe Damsté, J.S., Villanueva, L. Diversity, niche and seasonality of long chain diol producers in the stratified Lake Challa, Africa. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.

Biton, E., Gildor, H., Trommer, G., Siccha, M., Kucera, M., van der Meer, M., Schouten, S. Monsoonal variability during the Holocene: An integrated data and modeling study. Pages 4th open science meeting, Goa, India, 13-16 February.

Bolhuis, H., Stal, L.J. Coastal Microbial mat diversity. SAME13 - Symposium on Aquatic Microbial Ecology, Stresa, Italy. 8-13 September.

Brenner, H., Braeckman, U., Meysman, F. Controls on the CO<sub>2</sub> system by benthic-pelagic coupling in the southern North Sea. The 45<sup>th</sup> International Liège Colloquium: Primary production in the ocean: from the synoptic to the global scale, Liège, Belgium, 13-17 May.

Cadée, G.C. Shell damage and repair in *Cerastoderma edule*. 57<sup>th</sup> Annual Meeting Palaeontological Association, Zürich, Switzerland, 13-16 December.

Castañeda, I., Schouten, S., Pätzold, J., Schefuß, E. Temperature, vegetation and precipitation variability in the Nile River drainage during the past 27,000 years: Insights from molecular and isotopic proxies. European Geosciences Union, General Assembly 2013, Vienna, Austria, 7-12 April.

Cléroux, C., deMenocal P., Arbuszewski, J. Rain belt and equatorial upwelling migration in the Atlantic Ocean over the last 20 Ka. 4<sup>th</sup> PAGES Open Science Meeting, Goa, India, 13-16 February.

Cléroux, C., Rollion-Bard, C., Reichert, G.J., Durgadoo, J., Brummer, G.-J.A., Steinhardt, J. Toward temperature profile reconstructions from intra-shell <sup>18</sup>O measurements on the planktonic foraminifera species *G. tumida*. Gateways Conference, Jerusalem (Israel), 5-7 May.

Cretoiu, M.S., Stal, L.J. Metaexploration of microbial mats. Gordon Conference Geobiology, Ventura, USA 27 January–1 February.

Daly, K.L., Hu, C., Prouty, N., Mienis, F., Remsen, A., Murasko, S. Marine snow distributions following the Deepwater Horizon oil spill. MOSSFA 1<sup>st</sup> working group meeting, Tallahassee, Florida, USA, 22-23 October.

De Bruin, T.F., de Koster, R.X., Thijsse, P. The Wadden Sea Long Term Ecosystem Research (WaLTER) project: Using the SeaDataNet infrastructure to provide access to integrated environmental and socio-economic data from the Dutch Wadden Sea. IMDIS2013 Conference, Lucca, Italy, 23-25 September.

- De Haas, H. Ideas for multibeam applications. FEMME 2013, Boston, USA, 16-19 April.
- De Matos, L., Mienis, F., Frank, N., Wienberg, C., Hebbeln, D. Cold-water corals of the West: North Carolina contribute to a North Atlantic basin study. 4<sup>th</sup> PAGES Open Science Meeting, Goa, India, 13-16 February.
- De Nooijer, L.J., Van Dijk, I.E.Y., Holbourn, A., Toyofuku, T., Sluijs, A., Reichart, G.J. Seawater Mg/Ca variability during the MMCO. Japan Geoscience Union International symposium, Chiba, Japan, 18-24 May.
- De Paoli, H., van der Heide T., Silliman, B., Herman, P., van de Koppel, J. Don't panic...organize!! Spatial self-organisation drives the persistence of mussel bed. Netherlands Annual Ecology Meeting, Lunteren, 5-6 February.
- De Vries, J.J. van Aken, H.M., Ridderinkhof, H., On the variability of currents and density in the Marsdiep, NCK Days (Netherlands Centre for Coastal Research), The Hague, 14-15 March.
- De Vries, J.J., Greinert, J., Maierhofer, T. Visualizing sediment dynamics through repeated high-resolution multibeam mapping. AGU Fall meeting, San Francisco, USA, 9-13 December.
- De Vries, J.J., Greinert, J., Maierhofer, T., Visualizing sediment dynamics through repeated high-resolution multibeam mapping, AGU, San Francisco, USA, 9-13 December.
- Duijns, S., Knot, I.E., van Gils, J.A., Piersma, T. Functional response curve of Bar-tailed Godwits foraging on lugworms. Netherlands Annual Ecology Meeting, Lunteren, 5-6 February.
- Duran-Matute, M., de Boer, G.J., Nauw, J.J., Gräwe, U., Gerkema T. Numerical modelling of the Dutch Wadden Sea. NCK days, The Hague, 13-15 March.
- Escaravage, V. Het mariene landschap bepaalt het bodemleven. Noordzeedagen, Den Helder, 10-11 October.
- Goudeau, M.-L.S., Reichart, G.-J., Jilbert, T., Ní Fhlaithearta, S., de Lange, G.J. Centennial to decadal climate variability in the Adriatic Sea during Sapropel S1. EGU General Assembly 2013, Vienna, Austria, 7-12 April.
- Grove, C.A., Rodriguez-Ramirez, A., Merschel, G., Tjallingii, R., Zinke, J., Brummer, G.-J.A. Spectral Luminescence Scanning of coral cores provide accurate long term records of river runoff and rainfall. 3<sup>rd</sup> International Sclerochronology Conference, Caernarfon, Wales, UK, 18-22 May.
- Heinzelmann, S.M., Villanueva, L., Bale, N., Stal, 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. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.
- Hopmans, E.C., Moore, E.K., Rijpstra, W.I.C., Villanueva, L., Dedysh, S.N., Wienk, H., Schoutsen, F., Sinninghe Damsté, J.S. Novel methylated ornithine lipids in Russian wetland planctomycetes. HPLC 2013 AMSTERDAM, 39<sup>th</sup> International Symposium on High Performance Liquid Phase Separations and Related Techniques, Amsterdam, 16-20 June.
- Hummel, H., van Avesaath, P. MARS: The European Network of Marine Research Institutes and Stations" and "The European Marine Biodiversity Observatory System (EMBOS)". 48<sup>th</sup> European Marine Biology Symposium (EMBS), Galway, Ireland, 19-23 August.
- Hummel, H., van Avesaath, P. The European Marine Biodiversity Observatory System (EMBOS). ESF-COST Domain Committee meeting, Hannover, Germany, 11-13 June.
- Hummel, H., Wijnhoven, S. Research at European marine field stations unraveling patterns of biodiversity in benthic key species, EuroMarine, and The role of European marine stations during the last two decades and in the future. EMBRC meeting on Marine and biological sciences infrastructures interaction and collaboration, Heraklion, Crete, Greece, 28-30 May.
- Kasper, S., Castañeda, I., Tjallingii, R., Brummer, G.-J., Schneider, R., Sinninghe Damsté, J.S., Schouten, S., van der Meer, M.T.J. Alkenone based estimations of salinity development in the Mozambique Channel during the last glacial maximum. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.
- Kasper, S., van der Meer, M.T.J., Brummer, G.-J., Zahn, R., Schouten, S. Stable hydrogen isotope composition of C<sub>37</sub> alkenones as indicator for salinity changes in the Agulhas leakage area during Termination I and II. Ocean Gateways Past and Present, Jerusalem, Israel, 5-7 May.
- Kim, J.-H., Willmott, V., Etourneau, J., Crosta, X., Massé, G., Bonnin, J., Schouten, S., Sinninghe Damsté, J.S. Application of the temperature proxy in the Southern Ocean. European Geosciences Union, General Assembly 2013, Vienna, Austria, 7-12 April.
- Kim, J.-H., Buscail, R., Fanget, A.S., Eyrolle-Boyer, F., Bassetti, A.-S., Dorhout, D., Baas, M., Berné, S., Sinninghe Damsté, J.S. Applicability of the BIT (branched and isoprenoid tetraether) index as a proxy of paleoflood events in river-dominated continental margins. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.
- Kim, J.-H., Schouten, S., Marino, G., Huguet, C., Helmke, P., Buscail, R., Hopmans, E.C., Sangiorgi, F., Pross, J., Sinninghe Damsté, J.S. Constraints on the applicability of the UK'37 and TEX<sub>86</sub><sup>H</sup> paleothermometers in the Mediterranean Sea. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.
- Kool, D.M., Rijpstra, W.I.C., Hopmans, E.C., Ettwig, K., Jetten, M., Sinninghe Damsté, J.S. Environmental detection of nitrite-dependent methane oxidation combining genomic and lipid biomarker tools. Darwin Day 2013, Utrecht, 18 April.
- Kunihiro, T., Veuger, B., van Oevelen, D., Vasquez, D., Le Guitton, M., Pozzato, L., Moriya, K., Kuwae, M., Omori, K., Katayama, A., Soetaert, K., Boschker, H.T.S., Meysman, F.J.R. Comparing bacterial PLFAs and respiratory quinones in marine sediments. EGU General Assembly 2013, Vienna, Austria, 7-12 April.



- La Cono, V., Rampen, S., Arcadi, E., La Spada, G., Smedile, F., Pachiadaki, M., Stoeck, T., Yakimov, M.M., DEEP\_C Consortium. Deep-sea sampling with Niskin bottles – how strong this common sampling procedure biases the analysis of in situ microbial activity? *Frontiers in Ecological and Evolutionary Genomics*, Noordwijkerhout, 26-30 May.
- Lengger, S.K., Lipsewers, Y., de Haas, H., Sinninghe Damsté, J.S., Schouten, S. Low turnover rates of Thaumarchaeal intact polar tetraether lipids in sediments from the Iceland Shelf. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.
- Louterbach, M., Roddaz, M., Bailleul, J., Antoinel, P.O., Marivaux, L., Kim, J.-H., van Soelen, E., Gérard, J., Calderon, Y., Baby, P. Evidences of an Early to Early-Middle Eocene tidal incursion in Southern Amazonia (Madre de Dios Basin, Peru). International Conference of fluvial sedimentology, Leeds, UK, 14-19 July.
- Lubsch, A., Timmermans, K.R. Seaweed biofilter, Design and implementation using *Ulva lactuca*, Second International Seaweed conference Seagriculture, Den Helder/Texel, 26-27 September.
- M'Boule, D., Chivall, D., Sinke, D., Sinninghe Damsté, J.S., Schouten, S., van der Meer, M.T.J. Salinity and growth phase effects on the hydrogen isotope fractionation by the coastal haptophytes *Isochrysis galbana* and *Chrysothila lamellosa*. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.
- M'Boule, D., Schefuß, E., Sinninghe Damsté, J.S., Schouten, S., van der Meer, M.T.J. Impact of river discharge and salinity on the hydrogen isotopic composition of alkenones in the Eastern Tropical Atlantic during the last deglaciation. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.
- Maat, D.S., Bale, N.J., Schouten, S., Brussaard, C.P.D. Acquisition of intact polar lipids from the Prymnesiophyte *Phaeocystis globosa* by its lytic virus PgV-07T. BBIG workshop, Braga, Portugal, 1-4 July.
- Maat, D.S., Brussaard, C.P.D. Ecophysiological aspects of algal virus-host interactions in a changing ocean. SAME meeting, Stresa, Italy, 9-14 September.
- Malkin, S.Y., Tramper, A., Meysman, F.J.R. Sulphide oxidation by electrically conductive bacterial filaments in a dynamic oxygen environment. Gordon Research Conference on Applied and Environmental Microbiology, South Hadley, Massachusetts, USA, 7-12 July.
- Maxwell, J., Jung, S., Kroon, D., van der Lubbe, J., Tjallingii, R. Deep and intermediate water mass history of the western Arabian Sea: The role of southern sourced intermediate water masses in the bipolar sea-saw. 11<sup>th</sup> International Conference on Paleoceanography, Barcelona-Sitges, Spain, 1-6 September.
- ???? Monitor Taakgroep Toegepast marien biologisch onderzoek vanuit een fundamenteel wetenschappelijke achtergrond. Book presentation and Symposium 'Marine Mollusks of the North Sea, Leiden, 1 June and Noordzeedagen, Den Helder, 10-11 October.
- Moore, E.K., Hopmans, E.C., Rijpstra, W.I.C., Villanueva, L., Dedysh, S.N., Wienk, H., Schoutsen, F., Sinninghe Damsté, J.S. Novel mono-, di-, and trimethylornithine membrane lipids in Russian wetland *Planctomycetes*. Darwin Day 2013, Utrecht, 18 April.
- Moore, E.K., Rijpstra, W.I.C., Hopmans, E.C., Villanueva, L., Dedysh, S.N., Wienk, H., Schoutsen, F., Sinninghe Damsté, J.S. Identification of mono-, bi-, and tri-methylated ornithine lipids in planctomycetes from Russian peat. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.
- Mueller, B., Vermeij, M.J.A., van Duyl, F.C. Algal-driven bioerosion on Caribbean Coral Reefs? NIOZ Science Day, Noordwijkerhout, 4-5 June.
- Nierop, K.G.J., 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. 11th International Conference on Paleoceanography, Sitges-Barcelona, Spain, 1-6 September.
- Nieuwhof, S., van de Koppel, J., Dankers, N., Olff, Herman, P.M.J., van der Wal, D. Beyond space boundaries – Ecosystem engineering by epibenthic shellfish. Netherlands annual ecology meeting, Lunteren, 5-6 February.
- Parari, M., Kasper, S., Zahn, R., Schouten, S., van der Meer, M., Schneider, R., Blanz, T. Sea surface temperature and salinity development during the last two glacial terminations in the Mozambique Channel. 11<sup>th</sup> International Conference on Paleoceanography, Sitges-Barcelona, Spain, 1-6 September.
- Partescano, E., Lipizer, M., Crise, A., Giorgetti, A., Rabitti, A. Validation of climatological maps in the Adriatic Sea. 40<sup>th</sup> CIESM congress, Marseille, France, 28 October-1 November.
- Peperzak, L., Sneekes, A., Boon, J.P. Kaag, K. NIOZ-IMARES ballastwater test-centrum. Noordzee dagen. (Koninklijk Instituut voor de Marine), Den Helder, 10-11 October.
- Rampen, S.W., Datema, M., Schouten, S., Reichart, G.-J. Rodrigo-Gámiz, M., Sinninghe Damsté, J.S. Long chain diols as palaeotemperature proxies. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.
- Randlett, M.-E., Bechtel, A., Peterse, F., Litt, T., Pickarski, N., van der Meer, M.T.J., Wehrli, B., Schubert, C.J. H-isotopes of n-alkanes as indicator for porewater salinity variations in Lake Van (Eastern Anatolia, Turkey). 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.
- Rodrigo-Gámiz, M., Calvo, E., Rampen, S.W., Pelejero, C., Cacho, I., Schouten, S., Sinninghe Damsté, J.S. Sea surface temperatures in the eastern equatorial Pacific over the last 40 kyr using the novel Long chain Diol Index. 11<sup>th</sup> International Conference on Paleoceanography (ICP), Sitges, Barcelona, Spain, 1-6 September.
- Rodrigo-Gámiz, M., Rampen, S.W., Martinez-Ruiz, F., Villanueva, L., Calvo, E.,

- Schouten, S., Sinninghe Damsté, J.S. Testing the new long chain diol index as marine paleotemperature proxy. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.
- Rush, D., Garside, A.I., Talbot, H.M., Thamdrup, B., Acuña González, J., Schouten, S., Sinninghe Damsté, J.S., Poulton, S.W. Biomarker evidence of aerobic methane oxidation and anammox in Golfo Dulce. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.
- Rush, D., Schouten, S., Pureveen, J., Tegelaar, E., Geenevasen, J.A.J., Klein Nijenhuis, R., van Marseveen, J.H., Sinninghe Damsté, J.S. The complexity of thermally stable anammox lipid products. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.
- Sangiorgi, F., Passchier, S., Salzmann, U., Schouten, S., Pross, J., Bijl, P., Tauxe, L., Flores, J-A., Bendle, J., Escutia, C., Brinkhuis, H. Environmental and climatic evolution at the Wilkes Land margin, East Antarctica, during the Middle Miocene. 11<sup>th</sup> International Conference on Paleoceanography, Sitges – Barcelona, Spain, 1-6 September.
- Schoon, P.L., Heilmann-Clausen, C., Schultz, B.P., Sinninghe Damsté, J.S., Schouten, S. Characterization of free and sulfur-bound lipids in North Sea basin sediments from the Palaeocene-Eocene Thermal Maximum. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.
- Schouten, S., Lopes dos Santos, R.A., De Deckker, P., Hopmans, E.C., Magee, J.W., Mets, A., Sinninghe Damsté, J.S. Organic geochemical proxies reveal abrupt vegetation change and vegetation fires after the late quaternary megafaunal extinction in southeastern Australia. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.
- Shilling, A., Castañeda, I.S., Biller, T.Z., Cleroux, C., de Nooijer, L.J., Tjallingii, R. Sea surface temperature, vegetation and hydrological variability of the western Indian Ocean and equatorial East Africa during the last 400 kyr. IMO 2013, Costa Adeje, Tenerife, Canary Islands, Spain, 16-20 September.
- Soissons L.M., Han Q., van Katwijk M.M., Ysebaert T., Herman P.M.J, Bouma T.J. Indicators wanted: How to better estimate seagrass health and resilience?. Netherlands Annual Ecology meeting, Lunteren, 5-6 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. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.
- Stuut, J.-B.W., Van der Does, M., Fischer, G. Saharan dust from a marine perspective: sediment-trap time series off Mauritania. EGU General Assembly 2013, Vienna, Austria, 7-12 April.
- Tiessen, M.C.H., Gerkema, T., Ruardij, P., van der Veer, H.W. Hydrodynamic causes for inter-annual variability in plaice juvenile arrivals in the Western Wadden Sea. NCK-Days, Kijkduin, 13-15 March.
- Timmermans, K.R. Mogelijkheden voor zeewierteelt in een valmeer in de Noordzee, Innovatie Estafette, RAI, Amsterdam, 12 November.
- Van Avesaath, P.H., Wijnhoven, S. Hummel, H. VECTORS of change in the Dutch southwestern Delta Waters: the occurrence of invading, non-indigenous and outbreak forming species. Vectors General Assembly Meeting, Athens, Greece, 4-7 November.
- Van Belzen, J., Jacobs, A., van de Koppel, J., Herman, P.M.J., Bouma, T.J. Who is in control? Netherlands Annual Ecology Meeting 2013 (NAEM-NERN), Lunteren, 5-6 February.
- van Bleijswijk, J.D.L., Witte, H.J., Ogier, J. UV treatment of ballast water favors Pseudoalteromonas and other Proteobacteria. Galaxy Community Conference 2013, Oslo, Norway, 30 June-3 July.
- van Bleijswijk, J.D.L., Witte, H.J., Villanueva, L., Lipsewers, Y. Metagenome of two North Sea sediment samples. Metagenomics: Managing, Analysing and Visualising Data Workshop, Hinxton, UK, 8-11 September.
- van Bree, L.G.J., Rijpstra, W.I.C., Ossebaar, J., Cocquyt, C., Aldhabi, N.A., Sinninghe Damsté, J.S., de Leeuw, J.W. Origin and fate of *n*-alk-1-enes and des-A-triterpenes in a 25-kyr sedimentary record of an equatorial African lake. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.
- van Soelen, E., Hoorn, C., Santos, R.V., Roddaz, M., Sinninghe Damsté, J.S., Kim, J-H. Miocene environmental conditions in the upper Amazon basin. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.
- 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. 11<sup>th</sup> International Conference on Paleoceanography, Sitges – Barcelona, Spain, 1-6 September.
- Vellekoop, J., Sluijs, A., Smit, J., Schouten, S., Sinninghe-Damsté, J.S., Brinkhuis, H. Dinoflagellate migrations across the K/Pg boundary – evidence for impact-induced global climate change. 11<sup>th</sup> International Conference on Paleoceanography, Sitges – Barcelona, Spain, 1-6 September.
- Vermeersen, B.L., Maas, L.R.M., van Oers, S., Rabitti, A., Jara-Orue, H. Tidal-induced ocean dynamics as cause of Enceladus' tiger stripe pattern. American Geophysical Union Fall Meeting, San Francisco, USA, 9-13 December.
- Villanueva, L., Lipsewers, Y., Bale, N., Buckles, L., Hopmans, E., Schouten, S., Sinninghe Damsté, J. Lipid biomarkers and gene expression: Insights on key players of the nitrogen cycle. First EMBO Conference on Aquatic Microbial Ecology: SAME13, Stresa, Italy, 8-13 September.
- Warden, L., Kim, J-H., Vis, G-J., de Stigter, H., Bonnin, J., Sinninghe Damsté, J.S. Exploring the use of the MBT/CBT proxy for continental climate recon-

structions over the Iberian peninsula. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.

Weijers, J.W.H., Schefuss, E., Kim, J.-H., Sinninghe Damsté, J.S., Schouten, S. Constraints on sources of branched tetraether lipids in open marine sediments. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.

Welsh, J.E., Thielges, D.W. What biotic mechanisms drive the dilution effect? Netherlands Annual Ecology Meeting, Lunteren, 5 February.

Witbaard R., Cardoso, J.F.M.F. Shell Growth of *Ensis directus*: Combining field measurements with a sclerochronological approach. 3rd International Sclerochronology Conference, Caernarfon, Wales, UK, 18-22 May.

Zell, C., Kim, J.-H., Hollander, D., Balsinha M., Sinninghe Damsté, J.S. Constraints on the applicability of the MBT/CBT proxy in two contrasting river systems (Amazon vs. Tagus). 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.

Zetsche, E., Dubois F., Yourassowsky C., El Mallahi A., Meysman, F.J.R. Digital holographic microscopy: Visualizing the “invisible”. Microscale Interactions Symposium 2013 - Microscale Interactions in Aquatic Environments, Les Houches, France, 10–15 March.

Zetsche, E., Meysman, F.J.R. Digital holographic microscopy – a unique tool for studying physical-biological interactions. Batsheva de Rothschild Seminar on marine life in the flow: Workshop on physical-biological interactions from the individual organism to the global scale. 6–10 October.

Zhu, Z., Cozzoli, F., Ysebaert, T., Herman, P.M.J., Bouma, T.J., Who bury the seeds? A ‘case’ in salt marshes. Netherlands Annual Ecology Meeting, Lunteren, 5-6 February.

## Orals

Bale, N., Villanueva, L., Hopmans, E.C., Schouten, S., Sinninghe Damsté, J.S. Different seasonality of pelagic and benthic *Thaumarchaeota* in the North Sea. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.

Bao R. Bartolomé C., Barros A., Camphuysen, C. J., De Souza J.A., Fortin M., Heubeck M., Maside X., Roselaar C.S., Sandoval A. Status, genetic diversity and possible breeding origin of wintering Great Northern Divers *Gavia immer* in Galicia, northwest Spain. Workshop “Loons & Divers”, Hanko, Finland, 21-22 September.

Beauchard, O. North Sea macroinvertebrate functional typologies. DEVOTES project annual meeting, Bilbao, Spain, 27 November.

Bergman, M., Witbaard, R., Duineveld, G. *Ensis* in troebel water. De groei van *Ensis* in de kustzone in relatie tot de (a)biotiek. Eindsymposium MEP-zandwinning, Zoetermeer, 21 February.

Bijleveld, A.I., Massourakis, G., van der Marel, A., Dekinga, A., Piersma, T. Plas-

ticity versus personality: how plasticity in digestive processing capacity and personality of red knots interact. Netherlands Annual Ecology Meeting, Lunteren, 5-6 February.

Bijleveld, A.I., Massourakis, G., van der Marel, A., Dekinga, A., Piersma, T. Personality drives physiological differences between individuals. Behaviour 2013, Newcastle, UK, 8-15 August.

Bijleveld, A.I., Massourakis, G., van der Marel, A., Dekinga, A., Piersma, T. Personality drives physiological differences between individuals and is not related to survival. International Conference on Individual Differences, Groningen, 1-3 November.

Bolhuis, H. Haloquadratum walsbyi: life at the limits of water activity. Thematic week on extremophilic microorganisms, University de Liege, Liege, Belgium, 26 November.

Bolhuis, H. Bacterial diversity in microbial mats. Geochemistry Seminars, University of Utrecht, 17 December.

Bolhuis, H. Coastal Sediment Genomics. Macumba - Metagenomics course, Alicante, Spain, 9-13 December.

Bolhuis, H. *Haloquadratum walsbyi*, a tale of life at extreme salinities. Artis Microbiology lecture series “vergeten en onzichtbare microorganismen - Microbial Life under extreme conditions”, Artis, Amsterdam, 17 October.

Bolhuis, H. Leven onder extreem zoute condities. Leidse Biologen club, Universiteit Leiden, 15 May.

Bolhuis, H. Microbial diversity along a natural salinity gradient and an introduction to the Brunei Estuary System. Institute of Environmental Biology (IEB) Guest Lectures, University of Utrecht, 15 April.

Bolhuis, H. Microbial treasures in coastal microbial mats. Macumba - EU-FP7 General Assemble, Roscoff, France, 23-27 September.

Boon, J.P. An overview of the North Sea ballast water opportunity project. Meeting of the European Community Shipowners’ Associations (ECSA), Brussels, 24 September.

Boon, J.P. Introduction to the ballast water problem and ways to solve it. Pro-Sea Marine Awareness Course at the Maritime Institute Willem Barentsz, Terschelling, 3 April.

Boon, J.P. Introduction to the North Sea Ballast Water Opportunity Project. Flow-cytometry workshop NIOZ, Texel, 11 February, Pro Sea Course ‘Shipping and the Ballast Water Challenge’, Schiphol, 5 March, NSBWO Annual Meeting 2013, World Maritime University, Malmö, Sweden, 11-12 March, Verband Deutscher Reeder/ProSea/NSBWO, Hamburg, Germany, 11 September and Leer, 12 September and Conference ‘Ballast water management, from concept to reality’, Europort Maritime Exhibition, Rotterdam, 6-8 November.

Boon, J.P. What you (should) want to know about Ballast Water Treatment Systems before you decide. Pro Sea Course ‘Shipping and the Ballast Water Challenge’, Schiphol, 5 March and Verband Deutscher Reeder/ProSea/NSBWO, Hamburg, 11 September and Leer, 12 September.

- Boon, J.P., The current situation with respect to ballast water regulations in the USA. Pro Sea Course 'Shipping and the Ballast Water Challenge', Schiphol, 5 March.
- Bougeois, L., de Rafélis, M., Reichart, G.-J., de Nooijer, L.J., Nicollin, F., Dupont-Nivet, G. Late Eocene arid climate in Asia inferred from multi-proxy sclerochronology using oyster shells from the Tarim Basin. EGU General Assembly 2013, Vienna, Austria, 7-12 April.
- Bouma, T.J., Balke, T., van Belzen, J., Cozzoli, F., Suykerbuyk, W., van Katwijk, M.M., Temmerman, S., Herman, P.M.J. Bio-geomorphology of estuaries: the need for understanding the balance between ecosystem engineering, physical forcing and biomechanical species interactions. EGU conference, Vienna (Solicited speaker in the session Estuarine processes), 7-12 April.
- Bouma, T.J., Cozzoli, F., Ysebaert, T., Herman, P.M.J. Towards modeling physico-biotic interactions in estuaries: a case study on benthos. Instituto de Hidráulica Ambiental "IH Cantabria", Universidad de Cantabria, Santander, Spain (Invited lecture), 22 October.
- Bouma, T.J., van Belzen, J., van Dalen, J., Balke, T., Callaghan, D.P., Temmerman, S., Herman, P.M.J. Short-term mudflat dynamics drive long-term cyclic salt marsh dynamics: experimental evidence for underlying mechanisms. (Session Name: SCI-013B - Marshes, Storms, and Sea Level Rise: Rates of Change and Response). CERF 2013 conference "Toward Resilient Coasts and Estuaries, Science for Sustainable Solutions", San Diego, California, USA, 3-7 November.
- Brenner, H., Braeckman, U., Meysman, F. Controls on the CO<sub>2</sub> system by benthic-pelagic coupling in the southern North Sea. EGU General Assembly 2013, Vienna, Austria, 7-12 April.
- Brinkhuis, H. TU Energy days Eindhoven, Climate change and greenhouse gases, past, present and future, 12 December.
- Brinkhuis, H., Ridderinkhof, H. VLIZ, presentatie NIOZ + ondertekening MoU, Ostende, België, 9 January.
- Brinkhuis, H., From Greenhouse to Icehouse in the Arctic, Shell Rijswijk, 3 December.
- Buck, B., Timmermans, K.R. Joint Aquaculture Initiatives AWI-NIOZ, AWI – NIOZ meeting, NIOZ Texel, 29 Oktober.
- Burdorf, L., Malkin, S., Meysman, F. Environmental controls on the electrofilaments: Sulphide and oxygen. 1st workshop on long distance electron transport, Oemborgen, 14-17 April.
- Burdorf, L., Malkin, S., Seitaj, D., Meysman, F. Electrogenic bacteria leave a unique geochemical footprint in marine sediments. 13th VLIZ Young Marine Scientists' Day, Brugge, Belgium, 15 February.
- Cadée, G.C. De inhoud van een miniatuur apotheek van 1730 in het Rijksmuseum. Kon. Nederlandse Natuurhistorische Vereniging, KNNV, afdeling Den Helder, 27 September.
- Cadée, G.C. Spoorzoeken op Texelse schelpen. Koninklijke Nederlandse Natuurhistorische Vereniging, KNNV afdeling Het Gooi, Hilversum, 21 October.
- Cadée, G.C. Wat kunnen lege schelpen ons vertellen? Zeeuws Landschap / Nederlandse Onderwatersport Bond, NOB, Burgh-Haamstede, 7 September.
- Camphuysen C.J. Horror and suspense in a Dutch gull colony: signals supporting the nutritional stress hypothesis? CEES Leisure lecture, Groningen, 3 October.
- Camphuysen, C.J. A plea for further research, including a repeat of the earlier discards projects on a North Sea scale. Workshop "Potential impacts of discard reform for seabird communities", Daphne du Maurier Building Tremough Campus, University of Exeter, Falmouth, Cornwall, UK, 13 November.
- Camphuysen, C.J. Marine mammals. College Marine Science course, University of Utrecht, 14 October.
- Chivall, D., M'Boule, D., Schouten, S., Sinninghe Damsté, J.S., van der Meer, M.T.J. Towards an organic palaeosalinity proxy: the effect of salinity, growth rate and growth phase on the hydrogen isotopic composition of alkenones produced by haptophyte algae. European Geosciences Union, General Assembly 2013, Vienna, Austria, 7-12 April.
- Cléroux, C., deMenocal, P., Arbuszewski, J., Linsley, B., Guilderson, T., Ullgren, J., Brummer, G.-J.A., Reichart, G.J., Steinhardt, J. Surface / subsurface reconstructions in the Atlantic Ocean, Lyon University, Seminar series, 4 February.
- Cléroux, C., Rollion-Bard, C., Reichart G.J., Durgadoo, J., Brummer, G.-J.A., Steinhardt, J. Toward temperature profile reconstructions from intra-shell <sup>18</sup>O measurements on the planktonic foraminifera species *G. tumida*. Foraminiferal and Nannofossil Groups Joint Spring Meeting, Prague, Czech Republic, 19-22 June.
- Cozzoli, F., Bouma, T. J., Ysebaert, T., Herman, P. M. J. Sediment-biota interactions in estuarine environments. ASLO, New Orleans, USA, 20 February and EGU, Wien, Austria, 9 April.
- Cozzoli, F., Bouma, T.J., Ysebaert, T., Herman, P.M.J. Modelling biota-sediment interactions in estuarine environments. (Session Name: SCI-064E - Hydrodynamics and Sediment Dynamics in Estuaries and Coastal Seas). CERF 2013 conference "Toward Resilient Coasts and Estuaries, Science for Sustainable Solutions", San Diego, California, USA, 3-7 November.
- de Baar, H.J.W. De Oceanen in een Hoog-CO<sub>2</sub> Wereld. Invited lecture, Koninklijk Natuurkundig Genootschap, Groningen, 19 March and World Oceans Day, NIOZ, Texel, 8 June.
- de Baar, H.J.W. Dominant Control of Oceanic Thermohaline Circulation on Bio-Essential Trace Elements in the Atlantic Ocean. Farewell Symposium Dr. Hendrik van Aken, NIOZ, Texel, 21 August.
- de Baar, H.J.W. Effect van kooldioxide (CO<sub>2</sub>) van fossiele brandstoffen op het klimaat en de oceanen. Publiekslezing, Heiloo, 7 November.
- de Baar, H.J.W. Het nieuwe Nederlandse onderzoeks programma op Rothera Research Station, Antarctica. Invited lecture, Vereniging De Princenhof, Eernewoude, 27 July and Rotary Club Bergen, 30 July.
- de Baar, H.J.W. IJzer en andere opgeloste spoorelementen in het zeewater van Marguerite Baai, West Antarctica. Bessensap Annual Press Meeting NWO,



- The Hague, 10 June.
- de Baar, H.J.W. Interactions of dissolved CO<sub>2</sub> with Cadmium Isotopes in the Southern Ocean. Goldschmidt International Geochemistry Conference, Florence, Italy, 28 August.
- de Baar, H.J.W. Introduction Ocean Trace Metals Research. Field trip UvA BSC Honours Course 'Climate and Molecules. NIOZ, Texel, 22 November.
- de Baar, H.J.W. Ocean Geo-engineering: Iron Fertilization of the Southern Ocean. Symposium Klimaatengineering: hype, hoop of wanhoop. Rathenau Instituut, The Hague, 12 December.
- de Baar, H.J.W. Ocean Iron Fertilization Experiments. ERC DUSTTRAFFIC kick-off meeting, NIOZ, Texel, 18 October.
- de Baar, H.J.W. The Oceans in a High CO<sub>2</sub> World. Two invited classroom lectures, special BSc Honours Course 'Climate and Molecules' (Dr. J. van Maarseven); University of Amsterdam, 19 November.
- de Baar, H.J.W. The Science Projects at Dirck Gerritsz Laboratory. Dinner speech at official opening, Rothera Research Station, Antarctica, 27 January.
- de Bruin, T.F. Antarctic Data Treasures: Recent Advances in Promoting and Curating the Vital Data Legacy of Antarctic Data. International Forum on Polar Data Activities in Global Data Systems, Tokyo, Japan, 15-16 October.
- de Bruin, T.F. Antarctic Data Treasures: Recent Advances in Promoting and Curating the Vital Data Legacy of Antarctic Data by the SCAR- Standing Committee on Antarctic Data Management (SCADM). Excursion Seminar at the National Institute of Polar Research (NIPR), Tokyo, Japan, 17-18 October.
- de Bruin, T.F. NIOZ: The National Oceanographic Institute of The Netherlands. Norwegian Marine Data Centre project Annual Meeting, Bergen, Norway, 2 September.
- de Bruin, T.F. NODC / SeaDataNet: A National / pan-European infrastructure for access to oceanographic and marine data and information. Roadmap meeting for LifeLink, Amsterdam, 30 August.
- de Bruin, T.F. Oceanographic data management (at NIOZ): What role can researchers, publishers and science sponsors play in publication and citation of scientific data? Visit Elsevier, NIOZ Texel, 17 September.
- de Bruin, T.F. Oceanographic data: Why and how scientific data are managed at NIOZ. Visit Science Committee NIOZ, Texel, 20 September.
- de Bruin, T.F. Overview and status of the SCAR Data and Information Strategy Implementation. Annual meeting of the SCAR Standing Committee on Antarctic Data Management (SCADM), Tokyo, Japan, 13-14 October.
- de Bruin, T.F. Report from the Netherlands National Polar Data Centre (NL-NPDC). Annual meeting of the SCAR Standing Committee on Antarctic Data Management (SCADM), Tokyo, Japan, 13-14 October.
- de Bruin, T.F. SAMMEN er VI NMDC. Report of the Advisory Group at the Norwegian Marine Data Centre project Annual Meeting, Bergen, Norway, 4 September.
- de Bruin, T.F. SCADM Chief Officer's Report. Annual meeting of the SCAR Standing Committee on Antarctic Data Management (SCADM), Tokyo, Japan, 13-14 October.
- De Goeij, J., van Oevelen, D., 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. University of Vienna, Austria, 23 October and IRIS, Stavanger, Norway, 11 December.
- De Jonge, C., Stadnitskaia, A., 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. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.
- De Nooijer, L.J. A new salinity proxy based on foraminiferal Na/Ca. Foraminiferal and Nannofossil Groups Joint Spring Meeting, Prague, Czech Republic, 19-22 June.
- De Paoli, H., van der Heide T., Silliman, B., Herman, P.M.J., van de Koppel, J. Spatial self-organisation drives the persistence of mussel bed. Netherlands Annual Ecology Meeting, Lunteren, 5-6 February.
- De Steur, L., Pickart, R. Freshwater components in the East Greenland Current between Denmark and Fram Strait 2012. IAPSO, Knowledge for the Future Assembly, Gothenburg, Sweden, July 22-26
- De Vries, J.J. Stroming in het Marsdiep (en meer). Watersportvereniging Texel, 5 April.
- De Vries, J.J., Nauw, J.J., Ridderinkhof, H., van Aken, H.M. Observations of stratification and turbulence in the Western Dutch Wadden Sea, 6<sup>th</sup> Warnemünde Turbulence Days (WTD), Vilm, Germany, 11-15 August.
- Duijns, S. Migratie en foerageecologie van Rosse Grutto's in de Nederlandse Waddenzee. Invited speaker Sovon/FFF, Grou, 12 November.
- Duijns, S. Migration and foraging ecology of Bar-tailed Godwits in the Wadden Sea. Invited key-note speaker at the annual meeting of the Niedersächsische Ornithologen Vereinigung. Leer, Germany, 17 August.
- Duijns, S., van Gils, J.A., Spaans, B., ten Horn, J., Brugge, M., Piersma T. Sex-specific winter distribution in a sexually dimorphic shorebird. WbS & IWSG Joint Conference, Wilhelmshaven, Germany, 28 September.
- Duran-Matute, M., de Boer, G.J., Gräwe, U., Nauw, J.J., Gerkema T. Residual circulation and fresh water distribution in the Dutch Wadden Sea. 6<sup>th</sup> Warnemünde Turbulence Days, Island of Vilm, Germany, 11-15 August and LEns-CoaSTS Workshop, Ensenada, Mexico, 11-12 November.
- Duran-Matute, M., de Boer, G.J., Gräwe, U., Nauw, J.J., Gerkema T. Residual circulation and sediment transport in the Dutch Wadden Sea. 22nd Biennial Conference of the Coastal and Estuarine Research Federation (CERF), San Diego, USA, 3-7 November.
- Gerkema, T. Sediment transport in the Dutch coastal zone. Concepción, Seminario de Geofísica, 21 November.
- Gerkema, T., Maas, L.R.M., van Haren, H. Les courants moyens – quel rôle jouent-ils dans l' effet Doppler? Lyon, Journées OGOA, 23-24 May.
- Gerkema, T., Maas, L.R.M., van Haren, H. The role of mean flows in Doppler-

- shifted frequencies. Vienna, EGU General Assembly, 7-12 April.
- Gerkema, T., Nauw, J.J., van der Hout, C.M. Measurements on the transport of SPM in the Vlie Inlet. NCK days, Kijkduin, 13-15 March.
- Gillis, L.G., Bouma, T.B., Kiswara, W., Ziegler, A.D., Herman, P.M.J. Leaf transport in mimic mangrove forests and seagrass beds. International Association of Ecology, London, UK, August.
- Gillis, L.G., Bouma, T.B., Ziegler, A.D., Cathalot, C., Herman, P.M.J. Toward understanding the roles of mangrove and seagrass particulate matter as a nitrogen source in tropical coastal ecosystems. Coastal and Estuarine Research Federation, San Diego, USA, November.
- Gostiaux, L., van Haren, H. Internal wave-driven instabilities in the oceanic bottom boundary layer. Winter school 'Waves and instabilities in geophysical and astrophysical flows'. Ecole de physique, les Houches, France, 3-8 February.
- Goudeau, M.-L.S., Grauel, A.-L., Boer, W., Bernasconi, S.M., de Nooijer, L.J., Reichart, G.-J., de Lange, G.J. Centennial and seasonal climate variability during the last 4000 years in the Gulf of Taranto, Southern Italy. EGU General Assembly 2013, Vienna, Austria, 7-12 April.
- Greinert, J., Bialas, J., Klauke, I., Crutchley, G., Dale, A., Rowden, A., Bowden, D., Linke, P., Sommer, S., de Haas, H., de Stigter, H., Faure, K., Liebetrau, V. Methane seepage along the Hikurangi Margin offshore New Zealand: multidisciplinary studies using R/V SONNE. SONNE Statusseminar, Kiel, Germany, 13-15 February.
- Grove, C.A., Rodriguez-Ramirez, A., Merschel, G., Tjallingii, R., Zinke, J., Macia, A., Brummer, G.-J. A. Luminescence scanning: Technical updates and calibration developments. Developments in Paleoenvironmental Research (DPER) Micro-XRF studies of sediment cores.
- 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. ASLO Aquatic Sciences Meeting, New Orleans, USA, 17-22 February.
- Herman, P.M.J. Creation of gridded data products. EMODNET biology workshop, Ostend, Belgium, 11-12 September.
- Hommersom, A., Kratzer, S., Laanen, M., Ansko, I., Ligi M., Bresciani, M., Giardino, C., Beltran, J., Moore, G., Wernand, M., Peters S. An inter-comparison in the field between the new WISP-3 and other radiometers (TriOS Ramses, ASD FieldSpec, and TACCS), 3rd EOS Topical Meeting on Blue Photonics® - Optics in the Sea (Blue Photonics 3), NIOZ, Texel, 18-20 March.
- Hopmans, E.C., Moore, E.K., Rijpstra, W.I.C., Villanueva, L., Dedysh, S.N., Wienk, H., Schoutsen, F., Sinninghe Damsté, J.S. Use of HRAM MS for elucidating novel lipid structures. Workshop High Resolution Mass Spectrometry in Quantitative Analysis and Screening of Organic Contaminants in Food and Environment, RIKILT, Wageningen UR, 2 October.
- Hummel, H. Marine Biodiversity Observation: A system to bring theory and practice together, several oral presentations at the EMBOS Training School, Santander, Spain, 21-25 May.
- Hummel, H. Research at European marine field stations unraveling patterns of biodiversity in benthic key species and The role of European marine stations during the last two decades and in the future, 48th European Marine Biology Symposium (EMBS), Galway, Ireland, 19-23 August.
- Hummel, H. The MARS story: A history on the role of marine field stations in scientific and educational processes and projects in Europe. Invited lecture at Marine Biology, Geology and Oceanology: interdisciplinary research at marine stations, Lomonosov Moscow State University (MSU), in celebration of 75th anniversary WSBS; Moscow, Russia, 28 February-1 March.
- Hummel, H., van Avesaath, P. The European Marine Biodiversity Observatory System (EMBOS). ESF-COST Domain Committee meeting, Hannover, Germany, 11-13 June.
- Hummel, H., van Avesaath, P. Update on the European Marine Biodiversity Observatory System (EMBOS). COST EMBOS Management Committee meeting, Zandvoort, 16-17 May.
- Kandiano, E., van der Meer, M., Schouten, S., Fahl, K., Polyak, L.V., Cronin, T.M., Bauch, H.A., Sinninghe Damsté, J.S. Sea surface temperature and salinity patterns in the northern North Atlantic and the Arctic during interglacial MIS 11c: Implications for oceanic circulation reconstruction. AGU Fall Meeting, San Francisco, USA, 9-13 December.
- Kool, D.M., Rijpstra, W.I.C., Hopmans, E.C., Rasigraf, O., Ettwig, K., Jetten, M., Sinninghe Damsté, J.S. Unraveling the environmental significance of nitrite dependent methane oxidation: a lipid biomarker approach. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.
- Kromkamp, J. Automated FRRF measurements provide an alternative means to obtain seasonal and annual primary production estimates. The 45th International Liège Colloquium: Primary production in the ocean: from the synoptic to the global scale, Liege, Belgium. 13-17 May and 16<sup>th</sup> international congress on Photosynthesis Research, St. Louis, MO, USA, August and Dymaphy final meeting (EU interreg project). Boulogne-sur-mer, France, December.
- Lavaley, M. Deep-sea coral reefs. Exploring the Dark Symposium, TU Delft, 14 March.
- Lavaley, M., Compton, T., Rijkenberg, M. Diversity of Roebuck Bay (NW Australia). Department of Environment and Conservation. Broome, West Australia, 17 September.
- Lipsewers, Y., Bale, N., Schouten, S., Sinninghe Damsté, J.S., Villanueva, L. Diversity and activity of aerobic & anaerobic ammonia oxidizers in the oxygen transition zone of marine sediments by a combined DNA/RNA and a lipid approach. ASLO Aquatic Sciences Meeting, New Orleans, USA, 17-22 February, Darwin Day 2013, Utrecht, 18 April and Youmares, 10-14 September, Oldenburg, Germany.
- Lok, T., Overdijk, O., Tinbergen, J.M., Piersma, T. Density dependence in spoon-

- bill survival: When and where does it happen? WbS & IWSG Joint Conference, Wilhelmshaven, Germany, 28 September, CEES day 2013, Groningen, 3 October and Minisymposium "Sequential carrying capacities of tidal flats along the East-Atlantic Flyway", NIOZ, Texel, 14 November.
- Lok, T., Overdijk, O., Tinbergen, J.M., Piersma, T. Lepelaars op trek: een vergelijking tussen Europa- en Afrika-gangers. SOVON Landelijke dag, Ede, 30 November.
- Lubsch, A., Timmermans, K.R. The Seaweed Centre at NIOZ, Second International Seaweed conference Seagriculture, Den Helder/Texel, 26-27 September.
- Luttikhuisen, P.C., van Bleijswijk, J.D.L. Population genetics of kelp and its relevance for kelp farming in northwest Europe. Second International Seaweed conference Seagriculture, Den Helder/Texel, 26-27 September.
- Maas, L.R.M. Internal waves affect the deep ocean. KIVI-NIRIA Conference on Exploring the dark, TU Delft, 14 March.
- Maas, L.R.M. Lithium-depletion in exoplanet host stars and its link to stellar tides. Dutch exoplanet day, Leiden University, 24 October.
- Maas, L.R.M. Ocean dynamics in the deep. Ahoy Rotterdam, 7 November.
- Maas, L.R.M. Onderwatergolven. Bessensap-lezing NWO, The Hague, 10 June.
- Maas, L.R.M. Theory and experiments on inertial waves and geostrophic flows. Euromech 522, Berlin, Germany, 24 September.
- Maas, L.R.M. Tidal effects in estuaries, University of Aveiro, Portugal, 9 October.
- Maas, L.R.M. Waves and wave attractors in geophysical flows. Mathematics of Oceans, Fields Institute Toronto, Canada, 27 June.
- Meysman, F. Microbial batteries in the seafloor: sulphide oxidation via long-distance electron transport. Invited speaker Annual Conference of the Association for General and Applied Microbiology (VAAM) in collaboration with the Royal Netherlands Society for Microbiology (KNVM), Bremen, Germany, 10-13 March
- Montserrat, F., Knops, P., Meysman, F.J.R. Enhanced Mineral Weathering as a CDR geo-engineering approach: proxies, processes and potential applications in marine coastal environments. Rathenau Instituut symposium "Klimaatengineering: Hype, hoop of wanhoop?", organised for the presentation of the report to the Dutch Parliament, The Hague, 12 December.
- Moons, J.J.S. Sand Engine; ecological consequences and opportunities. CEDA Forum 2013 technical visit to the Sand Engine, The Hague, 8 November.
- Mueller, B., Van Duyl, F.C. Algal-induced bioerosion by excavating sponges. Inhouse Marine Master Course 9 June 2013, NIOZ, Texel.
- Mueller, B., van Duyl, F.C. Increase of algal-driven bioerosion on reefs: DOC release – DOC uptake – Bioerosion (WP5 R5). Annual meeting of the EU-funded project "Future of Reefs in a Changing Environment". Corpus Christi, Texas, USA, 31 October–1 November.
- Mulder, L.L., Soetaert, K.E.R., Herman, P.M.J., Philippart, C.J.M. Ca-P: the forgotten fraction in modeling sediment-water phosphate flux in shallow coastal estuaries. CERF 2013, San Diego, USA, 1-7 November.
- Nieuwhof, S., van der Wal, D., Herman, P.M.J. Snapshot: Ecosystem engineering by epibenthic shellfish. Theme day remote sensing – NCK, Utrecht, 25 January.
- Nieuwhof, S., van der Wal, D., van de Koppel, J., Dankers, N., Olf, H., Eriksson, B.K., Donadi, S. van der Heide, T., Herman, P.M.J. Spatially extended ecosystem engineering by epibenthic shellfish. Young Waddensea Meeting, Utrecht, 24 January and 7 November.
- Novoa, S., Wernand M.R. Smartphones, crowdsourcing and the colour of natural waters. 3rd EOS Topical Meeting on Blue Photonics® - Optics in the Sea (Blue Photonics 3), NIOZ, Texel, 18-20 March.
- Novoa, S., Wernand, M.R. Citclops, Colour sensors, data and ideas to continue – part 1 Plenary meeting 3 and Steering Committee Meeting, SC1, Labège, France, 16-17 September.
- Novoa, S., Wernand, M.R. Crowdsourcing technologies for the monitoring of the colour, transparency and fluorescence of the sea. NCK Theme Day "Remote Sensing of the Coastal Zone", Hoog Brabant (situated in Hoog Catharijne), Utrecht, 25 January.
- Oudman, T. Diet choice by a migratory shorebird and consequences for its survival. Animal Migration Course, Lund University, Sweden, 22 October.
- Peperzak, L. NIOZ vitality-viability measurements in ballast water: Grow-out, SYTOX and new techniques. United States Coast Guard UV-Tech panel meeting, Baltimore, USA, 6-7 June.
- Peperzak, L. Setting the scene: An overview and update of state-of-the-art compliance tools. Ballast Water Treatment Technology Conference, Singapore, 9-10 April.
- Peperzak, L. Work package 3: Ballast Water Knowledge Exchange Centre +. NSBWO Annual Meeting 2013, World Maritime University, Malmö, Sweden, 11-12 March.
- Peperzak, L., Garritsen, E., Immler, E., Kranenborg, M., Mosk, D., Snoek, J. B-Box: Development of a test kit to analyze the performance of treatment systems on board of ships IMO-GloBallast and Republic of Korea Global R&D Forum and Exhibition on Ballast Water Management, Busan, Korea, 23-25 October.
- Peperzak, L., Gollasch, S. A technical and enforcement perspective on the IMO ballast water convention. North Sea Ballast water Opportunity Project, Europort 2013 Conference, Rotterdam, 6-7 November.
- Peperzak, L., Stehouwer, P.P. Effectiveness of various treatment technologies. ACI Ballast Water Management, Hamburg, Germany, 16-17 October.
- Piersma, T. Conservation ecology of red knots. Course in Animal migration, Lund University, Lund, Sweden, 1 November.
- Piersma, T. Conservation ecology of shorebirds. Lecture San Tome University, Santiago, Chile, 10 December.
- Piersma, T. Critical observations during critical times. Keeping an eye on Bohai 2006-2013. Yellow Sea seminar, Beijing Normal University, China, 14 May.

- Piersma, T. Population dynamics of black-tailed godwits. Bond Friese Vogelwachten (BFVW), Oudehaske, 7 March.
- Piersma, T. *SIBES* Synoptic Intertidal Benthic Surveys of the Wadden Sea. Presentation for Natuurmonumenten, Linnaeusborg, Groningen, 19 February.
- Piersma, T. Silent spring in the northern Netherlands. Café Kleine Wetenschap, University Campus Fryslân, Leeuwarden, 25 June.
- Piersma, T. The role of artisanal bird catching in ornithological research. Groninger Vogelvangersonderzoek, Aduard, 6 April.
- Piersma, T. The waxing and waning of black-tailed godwits in The Netherlands. Vogelwacht Makkum, Makkum, 8 November.
- Piersma, T., Oudman, T. Bijleveld, A.I., van Gils, J.A. Behavioural ecology of the gut. Invited talk, International Union of Physiological Sciences Conference, Birmingham, UK, 24 July.
- Quaijtaal, W., Donders, T., Schouten, S., Louwye, S. Climate aberrations during the middle Miocene: evidence from the eastern North Atlantic Ocean. AGU Fall Meeting, San Francisco, USA, 9-13 December.
- Rabitti, A., Maas, L. R. M., van Haren, H., Gerkema, T. Internal waves and Equatorial Ocean dynamics. 3rd DNVA-RSE Norway-Scotland Waves Symposium, Oslo, Norway, 16-17 September.
- Rabitti, A., Maas, L.R.M., van Haren, H., Gerkema, T. An observational study of West Atlantic Equatorial Deep Jets. J.M. Burgerscentrum PhDs & Post Docs annual meeting, Twente University, Netherlands, 10 January.
- Rabitti, A., Maas, L.R.M., van Haren, H., Gerkema, T. Internal waves and Equatorial dynamics: an observational study in the West Atlantic Ocean. Workshop on Waves and Instabilities in Geophysical and Astrophysical Flows, Les Houches, France, 3-8 February and EGU General Assembly, Vienna, Austria, 7-12 April.
- Ribó, M., Puig P., Acosta, J., Muñoz, A., van Haren, H., Lo Iacono, C., Gómez Ballesteros, M. Morphobathymetric and sediment dynamics analysis on the Gulf of Valencia continental slope (NW Mediterranean). Sedimentary properties of bedforms (Theme 2). Marine & river dune dynamics, Bruges, Belgium, 15-16 April.
- Ribó, M., Puig P., van Haren, H., Lo Iacono, C., Acosta, J., Masqué, P., Muñoz, A., Gómez Ballesteros, M. Sediment waves on the Gulf of Valencia slope (NW Mediterranean): Characteristics and formation processes. Workshop 'Dialogue between Contourite & Oceanography Processes', Hull, United Kingdom, 28-29 January.
- Rijkenberg, M.J.A., Gerringa, L.J.A., Laan, P., Schoemann, V., Middag, R., van Aken, H.M., de Jong, J.T.M., van Haren, H de Baar, H.J.W. GEOTRACES: The accessibility of dissolved Fe for phytoplankton in the western Atlantic Ocean, ASLO Meeting, New Orleans, US, 17-22 February.
- Rodrigo, M. High-latitudes climate variability modulates sea water temperatures in the late Quaternary eastern Equatorial Pacific: a multi-proxy approach. IODP Symposium "The International Ocean Discovery Program: Towards a new future", Amsterdam, 18 October.
- Ruardij, P. Benthic Pelagic Coupling in ERSEM, Expert workshop on Modular Coupling in Shelf and Coastal System, Geesthacht, Germany, 16-18 September.
- Ruardij, P. The ERSEM diagenetic model, Carbonate Sediment Workshop, Southampton, UK, 10-11 June.
- Schilling, J., Smit M.G. Developments in piston coring and mooring technology, OFEG TECH meeting, Marum, Bremen, 21 November.
- Schouten, S. Organic proxies for temperature: the good, the bad and the ugly. Invited lecture MARUM, Bremen, 14 October.
- Seitaj, D., Malkin, S., Schauer, R., Meysman, F. Competition for sulfide in marine sediments: Electrogenic filamentous bacteria versus *Beggiatoa*. Goldschmidt 2013 conference, Florence, Italy, 25-30 August.
- Seitaj, D., Malkin, S., Schauer, R., Meysman, F. The electrifying competition for sulphide in marine sediments: electrogenic filamentous bacteria versus *Beggiatoa*. First International workshop on long distance electron transport, Oemborgen, Denmark, 14-17 April and Darwin Days, Conference of Darwin center for Biogeosciences, Utrecht, 18 April.
- Shamoun-Baranes, J., Camphuysen, C.J., van Loon, E.E., Tyson, C., Bouten, W. Sexually distinct foraging strategies and individual specialisation in an omnivorous seabird. WbS & IWSG Joint Conference, Wilhelmshaven, Germany, 22 September and UvA-BiTS Symposium, Amsterdam, 9-10 December.
- Silsbe, G.M., Kromkamp, J.C. Highly resolved measures of photosynthetic electron transport in European coastal waters. The 45th International Liège Colloquium: Primary production in the ocean: from the synoptic to the global scale. Liege, Belgium. 13-17 May.
- Sinninghe Damsté, J.S. Oerbacteriën helpen klimaatvoorspellingen. Invited lecture Studievereniging De Leidsche Fles. Leiden University, Leiden, 27 November.
- Smit, M.G., Schilling, J. Marine Technology developments at NIOZ, OFEG TECH meeting, Marum, Bremen, 21 November.
- Smit, M.G. NIOZ input for Maritiem 2013, STW/ALW matchmaking day, Rotterdam, 20 February.
- Smit, M.G., Maas, L.R.M. Internal waves and monitoring opportunities, Mona Risa JIP meeting, Paris, France, 12 April.
- Sollai, M., Hopmans, E., Schouten, S., Keil, R., Sinninghe Damsté, J. Intact polar lipids as indicators of N-cycling in the eastern tropical North Pacific Oxygen Minimum Zone. Darwin Day 2013, Utrecht, 18 April.
- Stal, L.J. Cyanobacteria. BIOCRUST Project Symposium. IRD and University of Niamey, Niamey, Niger, 16-21 June.
- Stal, L.J. Nitrogen-fixing cyanobacterial mats. Unité d'Ecologie, Systématique et Evolution - CNRS UMR8079, Université Paris-Sud, Orsay, France, 21 February.
- Stal, L.J. Wat is er zo bijzonder aan mariene microbiologie? Amsterdams Universiteitsfonds en de Amsterdamse Universiteits-Vereniging Stand van de Wetenschap, Amsterdam, 9 September.



- Stehouwer, P.P. Flow cytometry as a tool for detecting marine plankton. BD Accuri meeting, Lund, Sweden, 29 May.
- Steinhardt, J. Deciphering eddies in the Mozambique Channel – single specimen Mg/Ca LA-ICP-MS approach. Foraminiferal and Nannofossil Groups Joint Spring Meeting, Prague, Czech Republic, 19-22 June.
- Steinhardt, J. Planktonic Foraminiferal Geochemistry – A Tool to reconstruct Mozambique Channel Eddies? Gateways conference, Jerusalem, Israel, 5-7 May.
- Stuut, J.-B. Present-day Saharan dust from a marine perspective. Keynote lecture at INQUA Loess focus group symposium. Leicester, UK, 2-5 September.
- Stuut, J.-B., Prins, M.A. Downwind changes in grain size of aeolian dust; examples from marine and terrestrial archives. EGU General Assembly 2013, Vienna, Austria, 7-12 April.
- Svensson, E., Schouten, S., Hopmans, E.C., Middelburg, J.J., Sinninghe Damsté, J.S. Large depletion in <sup>15</sup>N in the stable nitrogen isotopic compositions of intact polar lipids. 26<sup>th</sup> International Meeting on Organic Geochemistry, Tenerife, Canary Islands, Spain, 15-20 September.
- Thieltges, D. W., Hof, C., Borregaard, M., Dehling, M., Brändle, M., Brand, R., Poulin, R. Macroecology of parasites – drivers of trematode diversity and range size patterns in the European freshwater fauna. INTECOL 2013, London, UK, 13-18 August.
- Thieltges, D.W. Disease ecology – linking parasites, hosts and the environment. CEES lecture, Centre of Ecological and Evolutionary Studies (CEES) of the University of Groningen, Groningen, 6 June.
- Thieltges, D.W. Disease ecology. 22 Spring Symposium, University of Helsinki, Finland, 4-6 March.
- Thieltges, D.W. Macroecology of parasites. Annual Conference GfÖ, Potsdam, Germany, 9-13 September.
- Tiessen, M.C.H., T. Gerkema, P. Ruardij, H.W. van der Veer, Numerical modelling of larval transport in the Southern North Sea. Workshop: North Sea and Wadden Sea modelling, Texel, Netherlands, 9 January.
- Tiessen, M.C.H., T. Gerkema, P. Ruardij, H.W. van der Veer, The drift of plaice eggs and larvae across the North Sea, variability due to physical factors: A model study. Buys Ballot Science Days, Rolduc, 30 October-1 November.
- Timmermans, K.R. CEMI: Centre of Excellence for Marine Innovation: Initiatieven in de ontwikkeling van de NIOZ-kennishaven: zeewier, bioraffinage, hydroponics, ballastwater. Green Deal meeting, Agentschap.nl, Utrecht, 10 January.
- Timmermans, K.R. Duurzame zeevrierteelt in Nederland, Kansen en ontwikkelingen voor energie en voedsel, Holland Food and Flowers, Bovenkarspel, 27 February.
- Timmermans, K.R. New developments in aquaculture and offshore biomass production, Textile Flagship Europe Conference, Brussel, 25 October.
- Timmermans, K.R. Seaweed production: possibilities and challenges, Nederland Maritiem Land Innovatie Council, Rotterdam, 26 August.
- Timmermans, K.R. Seaweed research @ NIOZ, Naturalis, Leiden, 16 October.
- Timmermans, K.R., Schipper, J. Sustainable seaweed cultivation in the Netherlands, (SEAWEED2F), Desso, Waalwijk, 30 May.
- Van Avesaath, P.H., Wijnhoven, S. Hummel, H. VECTORS of change in the Dutch southwestern Delta Waters: the occurrence of invading, non-indigenous and outbreak forming species - VECTORS WP2 Progress report. Lecce, Italy, 7-10 October and VECTORS GA meeting, Athens, Greece, 4-7 November.
- Van Belzen, J., van de Koppel, J., van der Wal, D., Herman, P.M.J., Bouma, T.J. Disturbing signs: Spatial indicators of tipping points in salt-marsh ecosystems. Netherlands Annual Ecology Meeting 2013 (NAEM-NERN), Lunteren, 5-6 February.
- Van Belzen, J. Verstoring-herstel dynamiek in kustecosystemen: van computer simulaties naar het veld en terug. Gastcollege, HAS Hogeschool, 's Hertogenbosch, 9 October.
- Van Belzen, J., van de Koppel, J., Herman, P.M.J., Bouma, T.J. Disturbing signs: Comparing the resilience of saltmarshes using experimental disturbances. CERF, San Diego, USA, 3-9 November.
- Van Belzen, J., van de Koppel, J., van der Wal, D., Herman, P.M.J., Bouma, T.J. Early warning signals in remotely sensed saltmarshes. NCK theme day: Remote sensing, Utrecht, 25 January.
- Van de Koppel, J. Animal movement and dispersal. Can we learn from physics? Movement and Dispersal Conference, Aberdeen, Scotland, 11 November.
- Van de Koppel, J. Darwin or Einstein, who sets the scene for movement ecology. Plenary speaker at the Netherlands Annual Ecology Meeting, Lunteren, 5 February.
- Van de Koppel, J. Salt marsh dynamics, a tale of troubles. Invited lecture. University College Roosevelt, Middelburg, 18 April.
- Van de Koppel, J. The ecology of animal movement. Can we learn from physics? Invited lecture. Wageningen ecology and evolution series lecture, Wageningen, invited lecture, 19 September.
- van der Meer, J. A first introduction into Dynamic Energy Budget theory: assumptions and consequences. COST Conservation Physiology of Fish, Faro, Portugal, 28-30 November.
- van der Meer, J. Add your pet: Fitting the DEB model to data. Workshop Ecosystem science without replicates, NIOO, Wageningen, 9 September.
- 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. Keynote at the BASIS meeting, Ghent, Belgium, 25-26 April.
- Van der Wal, D. Estuarine dynamics and ecology. Lecture for course Estuarine Ecology (Radboud University Nijmegen), held at NIOZ Yerseke, 27 May.
- Van der Wal, D. Optical and radar remote sensing of the intertidal zone. NCK Theme Day Remote Sensing of the Coastal Zone, Utrecht, 25 January.
- Van der Wal, D. Satellite radar of the intertidal zone. Radar workshop, Netherlands Space Office, The Hague, 26 April.

- Van Dijk, I.E.Y. Carbonate chemistry controls foraminiferal calcification. Darwin Days, Utrecht, 18 April.
- Van Dijk, I.E.Y. Seawater chemistry controlled foraminiferal biomineralization mechanisms through geological time. Foraminiferal and Nannofossil Groups Joint Spring Meeting, Prague, Czech Republic, 19-22 June.
- Van Duyl, F.C. Chemoautotrophic fixation, translocation and turnover of inorganic carbon in the cold water coral encrusting sponge *Hymedesmia coriacea* (Tisler Reef, NE Skagerrak). 9<sup>th</sup> World Sponge Conference 2K13, Fremantle, Western Australia, 3-8 November.
- Van Engeland, T. Mutualism between modellers and observationalists. Presentation during meeting at Ifremer, Brest, France, 18-22 March
- van Gils, J.A. Foraging ecology of migratory shorebirds at Banc d'Arguin (Mauritania). Invited key-note speaker for HDR Conference, Deakin University, Geelong, Australia, 24 October.
- van Gils, J.A. Global shorebird migrations and comparative mudflat ecology, with special focus on the top-down role of shorebirds on intertidal food webs. Lecture for BSc students University of Groningen, NIOZ- Texel, 8 April.
- van Gils, J.A. Loopbaan planning van een waddenbioloog. Lecture for 5 VWO students, NIOZ- Texel, 28 May.
- van Haren, H. Effects of earth rotation on large- and small-scale ocean motions. Lecture I, Fluid mechanics seminar, Professeur invité, École Centrale, Lyon, France, 7 June.
- van Haren, H. Energy release through internal wave breaking. 3rd DNVA-RSE Norway-Scotland Waves Symposium, Oslo, Norway, 16-17 September.
- van Haren, H. Energy release through internal wave breaking. IIT Madras, Chennai (Ind), 22 July. IISc Bangalore India, 5 August. NIOT, India, 8 August.
- van Haren, H. Observations in oceanography, Lecture II, EUPRO-seminar, Professeur invité, École Centrale, Lyon, France, 11 June.
- van Haren, H. On the importance of internal wave breaking for sediment transport above sloping topography. Workshop 'Dialogue between Contourite & Oceanography Processes', Hull, UK, 28-29 January.
- Van Oevelen, D. The energy balance of *Lophelia pertusa*: Insights from the development of a Dynamic Energy Budget model. Project meeting DIACORA, Stavanger, Norway, 8 April.
- Van Oevelen, D., Gontikaki, E., Woulds, C., Soetaert, K. Heip, C. The (un)importance of labile detritus in supporting faunal carbon demands in marine sediments". Food web symposium at NIOZ, Texel, 9 January.
- Van Oevelen, D., Soetaert, K. Ecosystem studies in the deep sea: Industrial applications and collaborations. Visit of IHC Merwede to NIOZ, Texel, 12 September.
- van Slooten, C., Wijers, T., Peperzak, L. The Quantification of ATP: A Promising Tool in Ballast Water Compliance Testing. Workshop on Compliance, Sampling and Enforcement of Ballast Water Treatment Systems, Handwerkskammer Hamburg, Germany, 7 March, NSBWO Annual Meeting 2013, World Maritime University, Malmö, Sweden, 11-12 March, 18th International Conference on Aquatic Invasive Species, Niagara Falls, Ontario, Canada, 21-24 April and I&M Expert Group Ballast Water, Dutch Ministry for Infrastructure and the Environment, The Hague, 5 June.
- van Soelen, E.E., Kim, J.H., Sinninghe Damsté, J.S., Santos, R.V. Assessing Amazon paleohydrological and paleotemperature changes using lipid biomarkers. CLIM-AMAZON progress meeting, University of Brasilia, Faculty of Geocronology, 28 March and 4 July.
- Vasquez-Cardenas, D., Malkin, S., Faydaci, B., Meysman, F.J.R., Boschker, H.T.S. <sup>13</sup>C-labelling of biomarkers: Unravelling a novel bacterial consortium in marine sediment. Benelux Association of Stable Isotope Scientists (BASIS) Gent, Belgium, 25-26 April.
- Vasquez-Cardenas, D., Schauer, R., Hidalgo, S., Atli S., Confurius, V., Meysman, F.J.R., Boschker, H.T.S. Chemoautotrophy associated with microbial sulphide oxidation by long-distance electron transport in coastal sediment. Annual Conference of the Association for General and Applied Microbiology (VAAM) in collaboration with the Royal Netherlands Society for Microbiology (KNVM), Bremen, Germany, 10-13 March.
- Vasquez-Cardenas, D., Schauer, R., Malkin, S., Hidalgo, S., Atli S., Confurius, V., Meysman, F.J.R., Boschker, H.T.S. Chemoautotrophy associated with sulphide oxidation by long-distance electron transport in coastal sediment. Darwin Days, Conference of Darwin center for Biogeosciences, Utrecht, 18 April.
- Vasquez-Cardenas, D., Schauer, R., Malkin, S., Hidalgo, S., Confurius, V., Faydaci, B., Meysman, F.J.R., Boschker, H.T.S. Chemoautotrophy & Heterotrophy associated to long-distance electron transport. First International workshop on long distance electron transport, Ømborg, Denmark, 14-17 April.
- Veuger, B., Pitcher, A., Schouten, S., Sinninghe Damsté, J.S., Middelburg, J.J. Nitrification and growth of autotrophic nitrifying bacteria and Thaumarchaeota in the coastal North Sea. European Geosciences Union, General Assembly 2013, Vienna, Austria, 7-12 April.
- Villanueva, L., Bale, N., Lipsewers, Y., Buckles, L., Weijers, J., Hopmans, E.C., Schouten, S., Sinninghe Damsté, J.S. Intact polar lipids and gene expression to trace ammonia oxidizing archaeal populations in aquatic environments. Association for the Science of Limnology and oceanography ASLO Aquatic Sciences Meeting, New Orleans, USA, 17-22 February.
- Villanueva, L., Bale, N., Lipsewers, Y., Hopmans, E., Schouten, S., Sinninghe Damsté, J.S. Tracing seasonal and spatial diversity and activity of marine Thaumarchaeota by using intact polar lipids and gene expression. Annual Conference of the Association for General and Applied Microbiology (VAAM) in collaboration with the Royal Netherlands Society for Microbiology (KNVM), Bremen, Germany, 10-13 March.
- Warden, L., Kim, J.H., Vis, G-J., de Stigter, H., Bonnin, J., Sinninghe Damsté, J.S. Exploring the use of the MBT/CBT proxy for continental climate reconstructions over the Iberian peninsula. Darwin Day 2013, Utrecht, 18 April.
- Welsh, J.E. Diversity Reduces Disease Risk. School of Biological Sciences, Swan-

sea University, Wales, UK, 27 February.

Welsh, J.E., Thieltges, D.W. Biodiversity & Disease Risk. University of Groningen Oceanography Course, NIOZ-Texel, 25 March.

Wernand, M.R. Innovative and Smart EO Technologies. First Citizens' Observatories Projects Coordination Workshop hosted by the European Commission, Brussels, Belgium, 29-30 January.

Wernand, M.R., Novoa, S. Citclops WP2 – First results and new ideas: a way forward. Citclops Workshop and Project Board meeting, PB1, NIOZ, Texel, 20-22 March.

Wernand, M.R., Novoa, S. Citclops, Colour sensors, data and ideas to continue – part 2 Plenary meeting 3 and Steering Committee Meeting, SC1, Labège, France, 16-17 September.

Wernand, M.R., Novoa, S. Publication of data on website and external access: A discussion. Citclops Workshop and Project Board meeting, PB1, NIOZ, Texel, 20-22 March.

Wernand, M.R., van der Woerd, H.J., Gieskes, W.W.C. Globe-wide response of ocean colour to climate change over the last twelve decades. Session S108-C, On the interpretation of in-situ data, International Congress of History of Science, Technology and Medicine, The University of Manchester, UK, 22 July.

Wijnhoven, S., van Avesaath, P., Hummel, H. Susceptibility and resilience to invasions: macrozoobenthic communities in the Dutch delta waters. Non-Indigenous Species (NIS) conference, Ostend, Belgium, 20-22 November.

Wijsman, J.W.M., Kamermans, P., Schellekens, T., Witbaard, R., van der Meer, J. A DEB model for *Ensis directus* as a tool to study the effect of varying suspended sediment concentrations due to sand mining. NIOZ-Texel, 26 April.

Witbaard, R., Duineveld, G.C.A., Bergman, M.J.N., Lavaleye, M.S.S. Overzicht Benthos onderzoek Noordzee. Presentation Voor het Noordzee kernteam van RWS, NIOZ-Texel, 16 July.

Ysebaert, T. Ecologische ontwikkelingen in de Oosterschelde. ANT/NCK themadag Oosterschelde, Topshuis Neeltje Jans, 11 December.

Ysebaert, T., Cozzoli, F., Schwarz C., Ma Z., van der Wal D., Bouma T.J., Herman, P.M.J. Ecomorphological effects of human interferences in estuaries and their consequences for management. ECSA 53 Estuaries and coastal areas in times of intense change, Shanghai, China, 13-17 October.

Zell, C., Kim, J-H., Lima Sobrinho, R., Moreira-Turcq, P., Abril, G., Sinninghe Damsté, J.S. Impact of seasonal hydrological variation on the distributions of branched and isoprenoid tetraether lipids along the Amazon River in the central Amazon basin: Implications for the MBT/CBT paleothermometer and the BIT index. European Geosciences Union, General Assembly 2013, Vienna, Austria, 7-12 April.

Zetsche, E, Dubois, F, Yourassowsky, C, El Mallahi, A, Meysman, F.J.R. Digital holographic microscopy: Visualizing the "invisible". Microscale Interactions Symposium 2013 - Microscale Interactions in Aquatic Environments, Les Houches, France, 10-15 March.

Zetsche, E. Digital holographic microscopy in the marine sciences. IRIS – International Research Institute of Stavanger, Norway, 6 December and GEOMAR Helmholtz Centre for Ocean Research Kiel, Germany, 13 December.

Zetsche, E., Meysman, F.J.R. Digital holographic microscopy: Visualizing the "invisible" in marine science applications. Invited Talk. Marine Biology Live Cell Biolmaging, Station Biologique de Roscoff, France. 24-27 June.

Zhu, Z., Ysebaert, T., Herman, P.M.J., Bouma, T.J. Seed arrival and survival of salt marsh pioneer species on the intertidal mudflat: bottlenecks for seedling establishment? ECSA 53: Estuaries and coastal areas in times of intense change, Shanghai, China, 13-17.

## Symposia

NCK Theme Day Remote Sensing of the Coastal Zone, 25 January, Utrecht. Organised by D. van der Wal and C. van Oeveren, chaired by D. van der Wal.

3rd EOS Topical Meeting on Blue Photonics® - Optics in the Sea (Blue Photonics 3), Wernand, M.R. (general chair), 18-20 March, Royal Netherlands Institute for Sea Research (NIOZ), Texel, Netherlands. Number of attendees: around 70 scientists, mostly European and some from India. The conference provided a major international forum for the discussion of marine optics and its applications. Recent progress in the field were reviewed, the formation of a community of scientists and engineers working in related areas was promoted and the interdisciplinary collaboration required to meet the rapidly developing challenges of the future has been stimulated. Conference Topics: Environmental Monitoring, Crowdsourcing Topic related Smartphone/iPhone Apps, Ocean Colour, Radiative Transfer and Modelling, Marine Bio-optics and Remote Sensing, Fluorometry, AOP/IOP, 2D and 3D Underwater Imaging and Innovative Sub-sea Optical Techniques and Instrumentation. The Theme Day provided an overview of the state of the art of remote sensing of the coastal zone in the Netherlands. The presentations covered morphological, ecological and water quality aspects, using satellite, airborne and near-surface (imaging) remote sensing. The Theme Day served to raise awareness of the value of remote sensing capabilities both for scientific research and coastal management, and to identify opportunities for observing and monitoring the (Dutch) coast using remote sensing.

Third International DEB Symposium, J. van der Meer, chairmen of the organization committee, 24-26 April, 90 participants.

The aim of Dynamic Energy Budget (DEB) theory is to quantify metabolism that all individual organisms share on the basis of simple physico-chemical principles and to understand possible deviations in terms of mechanisms in an evolutionary context. This aim strongly invites for a formalised modular set-up of the models. The inclusion of metabolic memory (via reserves), the full-life cycle of individuals (embryo, juvenile, adult) and the explicit

use of conservation laws sets the theory apart from other approaches. DEB research invested a lot of effort during the last years in the further development of parameter estimation methods (and software), testing them on the rapidly growing collection of animal species. These tests and the comparisons among species that came into reach formed the major topic during the symposium.

Ballast water management, from concept to reality', Europort Maritime Exhibition, Rotterdam, the Netherlands, 6-7 November, organized by ProSea and NIOZ. Chairs: J.P. Boon (NIOZ) and E. Bogaard (ProSea).

This symposium was organized at the Europort maritime exhibition to inform a maritime oriented audience about the most recent developments about the implementation of the IMO Ballast Water Management Convention and the regulations in the USA (Final Rule of the US Coast Guard and the Vessel General Permit of the USEPA). The NSBWO Work package leaders presented highlights in research, policy and on board operation and sampling. Especially the café meetings where the audience could ask their questions directly to the experts in the different fields were highly successful and very much appreciated. 126 unique visitors attended at least one of both days.

Sequential carrying capacities of tidal flats along the East-Atlantic Flyway', T. Piersma, chairmen of the symposium, 14 November, NIOZ-Texel.

In this symposium we explore the role of the Banc d'Arguin and other coastal systems in the life cycles of migratory birds. We approach this question from both mechanistic and demographic perspectives, after a general introduction to the theme of seasonal connectedness by Norris.

Speakers: Theunis Piersma (Professor Global Flyway Ecology at University of Groningen and senior scientist NIOZ), Ryan Norris (Professor at University of Guelph, Canada), Tamar Lok (University of Groningen, PhD), Matthijs van der Geest (NIOZ, PhD), Mohamed El-Hacen (University of Groningen, PhD). Convenors: Theunis Piersma, Tamar Lok, Matthijs van der Geest.

ANT/NCK themadag Oosterschelde, Topshuis Neeltje Jans, organized by T. Ysebaert and P. Herman, 11 December.

## Courses

### (Bi-)Annual/regular courses:

Annual MSc course - "Global Change and Coastal Hazard Mitigation" (together with S. Temmerman) at the Antwerpen University, Bouma T.J.

Bi-annual course at NCK summer school, Texel, July, Bouma T.J.

Course "How to give a good talk" NIOZ, Yerseke, 23 January. Contact person dr L. Villaneuva.

Course "How to write a scientific paper" Contact person dr S. Schouten.

Course "Proposal writing" NIOZ, October 11 Contact persons dr. L. Villanueva, dr. M vd Meer, dr. S Schouten.

E-M. Zetsche organized a 2-day image analysis course held by BioVoxel on 'Scientific Image Processing and Analysis'. 29-30 October 2013. 16 persons in total from NIOZ-Yerseke and NIOZ-Texel participated.

F. Montserrat. Double lecture "Estuarine Ecosystem Engineering" and "Geo-engineering" at Roosevelt Academy Middelburg, 7 March.

F.J.R. Meysman WE-DBIO-14373 Environmental modeling (4 ECTS), 1ste MSc Oceans & Lakes, joint master Vrije Universiteit Brussel - Universiteit Gent - Universiteit Antwerpen (co-titularis with K. Soetaert)

F.J.R. Meysman WE-DBIO-14389 Applied Mathematics and Statistics (6 ECTS), MSc Oceans & Lakes, joint master Vrije Universiteit Brussel - Universiteit Gent - Universiteit Antwerpen (co-titularis with M. Elskens)

F.J.R. Meysman WE-DSCH-14655 Modelling of the environment (6 ECTS), MSc Chemistry, joint master Vrije Universiteit Brussel - Universiteit Gent (titularis)

K Soetaert. Environmental modeling (4 ECTS), MSc Oceans & Lakes, Universiteit Ghent.

Lipsewers, Y., Bale, N., Hopmans, E.C., Schouten, S., Sinninghe Damsté, J.S., Villanueva, L. A combined DNA/RNA and lipid approach Example: Aerobic ammonia oxidizers in the oxygen transition zone of coastal marine sediments. NIOZ Marine Masters Course 'Exploring the Wadden Sea', July.

Marine Master Course 2013 "Exploring the Wadden Sea". Contact person dr. H. Stigter. Lectures, field work and data analysis on Wadden Sea ecosystem. Participants: 27 master students from Dutch and European Universities.

NIOZ Marine Masters Course 'Exploring the Wadden Sea'. Contact persons prof. dr. H. Ridderinkhof and dr. H.C. de Stigter. 1-13 July.

Van der Wal, D. •Summer School Netherlands Centre for Coastal Research (NCK). Case Ecomorphology of saltmarshes, Den Hoorn, Texel, June.

### Irregular courses:

Ecological applications of biomarkers in aquatic food web studies: 'Inferring diet information from stable isotope data using isotope mixing models' Contact person: dr. M. de Troch. 28 January-1 February.

Graduate program in hydrometeorology, University of Guadalajara, Guadalajara, Mexico, 24 September. Residual flows in the Dutch Wadden Sea. Contact person: M. Duran-Matute.

NIOZ. In house course 'Basic Flow Cytometry and Data analysis'. December 2013. Contact person: Louis Peperzak.

Practical training part of the 7-th international course on DEB theory, 15-23 April, International PhD course, 37 participants, contact person: Jaap van der Meer.

A selection of students and lecturers who were going for a hike on a lovely Sunday morning, 7<sup>th</sup> international Dynamic Energy Budget (DEB) theory course, April 15-23



## Ondernemingsraad

In 2013 hebben zich een beperkt aantal wijzigingen voorgedaan in de samenstelling van de ondernemingsraad. Na zich gedurende een lange periode voor de OR te hebben ingezet is de secretaris Swier Oosterhuis afgetreden en vervangen door Kirsten Kooijman als vertegenwoordiger voor de groep onderzoeks- en laboratoriummedewerkers.

Ook heeft er zich een wijziging voorgedaan in de functies binnen de OR. De samenstelling is nu als volgt:

Voorzitter - Henk de Haas (vertegenwoordiger van de groep vaste en tijdelijke onderzoekers Texel).

Vicevoorzitter - Henk Bolhuis (vertegenwoordiger van de groep vaste en tijdelijke onderzoekers Yerseke).

Secretaris - Sander Holthuisen (vertegenwoordiger van de groep onderzoeks- en laboratorium medewerkers Texel).

Vervangend secretaris - Ruud Witte (vertegenwoordiger van de groep medewerkers van de technische diensten, centrale diensten en stafeenheden Texel).

Lid - Sander Asjes (vertegenwoordiger van de groep medewerkers van de technische diensten, centrale diensten en stafeenheden Texel).

Lid - Yvonne van der Maas (vertegenwoordiger van de groep medewerkers van de ondersteunende diensten, stafeenheden Yerseke).

Lid - Loran Kleine Schaars (vertegenwoordiger van de groep onderzoek- en laboratoriummedewerkers Yerseke).

Lid - Ewout Adriaans (Vertegenwoordiger voor de groep varende en havenpersoneel).

Lid - Cees van Slooten (vertegenwoordiger van de groep tijdelijke medewerkers).

Lid - Theo Gerkema (vertegenwoordiger van de groep vaste onderzoekers).

De OR heeft op 18 april, 6 juni en 21 november formeel overleg gehad met de directie. In aanvulling hierop heeft ook verscheidene keren informeel overleg plaatsgevonden. Formeel overleg met het NIOZ-bestuur vond plaats op 17 mei en 28 november. De notulen van de vergaderingen zijn te lezen op de NIOZ intranet webpagina van de ondernemingsraad.

De ondernemingsraad heeft de directie geadviseerd in en zijn instemming verleend aan verscheidene door de directie aan de OR voorgelegde zaken. Voor een deel betroffen dit onderwerpen aangaande de komende aanpassingen van de NIOZ organisatie die samenhangen met de huidige financiële situatie. In 2013 heeft de NIOZ-OR positief advies uitgebracht op de voorgestelde aanpassing van het NIOZ organogram, het aan de NIOZ medewerkers aanbieden van een tweede collectieve zorgverzekering, een

beperkt aantal punten van het voorstel tot organisatieaanpassing en de herbenoeming van de heer Guus van der Kamp tot penningmeester van het bestuur van de Stichting NIOZ.

De ondernemingsraad heeft ingestemd met een nieuwe sollicitatiecode, een voorstel tot aanpassing van de Uitvoeringsregeling Stagiaires en het Risico Inventarisatie & Evaluatie Plan voor een aantal van de NIOZ afdelingen en laboratoria.

De ondernemingsraad heeft een negatief advies gegeven over de aanpassing van de NIOZ statuten.

In 2013 heeft de OR zich al intensief bezig gehouden met de voorbereiding van te verwachten advies- en instemmingsverzoeken aangaande de komende wijzigingen binnen de NIOZ organisatie.

## Meetings

VOLC-OCEAN Kick-off meeting, NIOZ chair: Loes Gerringa, January 15-16. Proposal writing for EU, second round.

Darwin project HYPOXIA workshop, 23 January, NIOZ-Yerseke, Organizer: Filip Meysman.

NAEM Ecology symposium; participant H. Hummel; Lunteren, 5-6 February;

NIOZ Flow Cytometer Workshop Comparing organism detection instruments in measuring 2-10 µm and 10-50 µm plankton cells. NIOZ chair: Louis Peperzak. 11-14 February. Flow cytometry based organism detection technologies are readily available to meet the requirements for compliance monitoring and enforcement with ballast water management standards for indicative analysis. Some new approaches are in a developmental stage. To proof compliance with ballast water management standards a precise enumeration of cells according to their minimum dimension and at the same time a separation of living and dead cells is needed. Flow cytometry based systems are able to provide the enumeration and living/dead assessment analysis with the needed accuracy level, for both indicative and detailed ballast water sample analysis. However, additional developments are required to document the minimum dimension of organisms.

Conference Zeeuwse Banken (Eind Symposium MEP-Zandwinning); participants H. Hummel & V. Escaravage; Zoetermeer, 21 February.

EC Liaison meeting on Horizon 2020 programme; participant H. Hummel, The Hague, 7 March.

Session 'Marine Microbiology' of the joint annual meeting of the German and Dutch Societies of Microbiology (VAAM and NVvM), co-chair Lucas J. Stal, Bremen, Germany, 10-13 March.

Annual meeting of the North Sea Ballast Water Opportunity project. NIOZ chair: J.P. Boon. IMO World Maritime University, Malmö, Sweden, 11-12

March. The progress of the NSBWO project was explained to the projects' Steering Committee, which agreed with the plans of the work package leaders for the next and final year of the project. Work shops were held on training and capacity building for ship owners and crews, on the importance of transparency of test results of ballast water treatment systems during land-based and shipboard type approval tests, and under routine operational conditions, and on the possibilities for on board rapid testing to check whether treatment systems operate according to the degree of biological efficacy as specified in the D2 regulation of IMO and the 'Final Rule' of the US Coast Guard. 50 people attended the annual meeting.

WFD indicators for the North Sea workshop. Evaluation of composed indicators & Calculating numbers of samples taking distinctiveness into account. Chaired by S. Wijnhoven, during WFD indicator workshop organized by NIOZ-MEE, Den Haag, 12 March.

Annual meeting NCK on the "Sand Motor"; Netherlands Center for Coastal Research; participants H. Hummel & V. Escaravage; Den Haag, 14 March.

EC Directorate B.3 Research Infrastructure meeting "Towards a roadmap for biodiversity and ecosystem research in Europe"; participants H. Hummel & P. van Avesaath; Brussels, Belgium; 19-20 March.

Citclops (Citizens' Observatory for Coast and Ocean Optical Monitoring, Seventh Framework Programme FP7/2007-2013, project n° 308469) Project Board 1, PB1 meeting, Wernand, M.R., Texel, Netherlands, 20-22 March. Number of attendees: 19. Presentation of first results on implementation of participatory science.

Aeolian dust: Initiator, Player, and Recorder of environmental change, session at EGU General Assembly, Vienna, Austria, 8-11 April, Convener: J.-B.W. Stuut.

First International Workshop on Intriguing Filamentous Electrogenic Microbes (IFEMs). 15-17 April, Aarhus, Denmark. Organizers: Lars Peter Nielsen and Filip Meysman.

Brainstorm meeting 'Fish Migration River'; participant S. Wijnhoven; Delft, Netherlands, 13 May.

ESF-COST EMBOS WGBI workshop; Reports of researchers and students working in the EMBOS action on a European Marine Biodiversity Observatory System; Coordinator and organisers H. Hummel & P. van Avesaath, Zandvoort, 14-15 May.

ESF-COST EMBOS Management Committee Meeting, Reports of researchers and students working in the EMBOS action on a European Marine Biodiversity Observatory System, Coordinator & organisers H. Hummel & P. van Avesaath, Zandvoort, 16-17 May.

COST EMBOS Training School. Marine Biodiversity Observation: A system to bring theory and practice together'; Coordinator and trainers H. Hummel and P. van Avesaath; Santander, Spain 21-25 May.

Maritiem Kennis Centrum meeting, Smit M.G., Stadnitskaia A., NIOZ, Texel, 23 May

OFEG-TECH meeting, Smit M.G., Schilling J., Marum, Bremen, 21 November

EMBRC meeting on "Marine and biological sciences infrastructures interaction and collaboration", participants H. Hummel & S. Wijnhoven; Heraklion, Crete, Greece; 28-30 May.

Bookpresentation and Symposium 'Ecological Atlas of the Dutch Marine Mollusks', participant S. Wijnhoven, Leiden, 1 June.

NIOZ Science days, participants H. Hummel & S. Wijnhoven; Noordwijkerhout, 4-5 June.

CSA Oceans (JPI Oceans support action) Stakeholder Consultation Workshop on Marine Research Infrastructures; participant H. Hummel; Brussels, Belgium, 5 June.

Schaliegaswinning in Nederland. Avondsymposium KNAW, Organisatie en voorzitter: H.J.W. de Baar. Four lectures, attendance by scientists, policy makers, members of parliament, to maximum ~230 persons capacity of Tinbergen conference room. Amsterdam, 12 June. (<https://www.knaw.nl/nl/actueel/agenda/schaliegaswinning-in-nederland>)

Zoet-zout Platformdag, 'Waterverdeling en zoutindringing in het hoofdwatersysteem'; participant S. Wijnhoven, Utrecht, Netherlands, 13 June.

JERICO Mid-term Review; participant S. Wijnhoven; Paris, France, 18-19 June.

Toekomst beeld Friese Front en Oestergronden. Meeting IMARES, Den Helder, 14 August. Marc Lavaley and Rob Witbaard visitors.

48th European Marine Biology Symposium (EMBS); President of EMBS H. Hummel; Galway, Ireland, 19-23 August.

MaCuMBA General Assembly, chair: Lucas J. Stal, Roscoff, France, 22-27 September. Workpackage leaders summarized the progress of the first 12 months of this EU FP7 project. PhD students and post-docs presented their scientific results in the symposium. One day was reserved for individual meetings of the workpackages. Two days were used for joint sampling of the local marine environment and subsequent exchange of isolation and cultivation methods in the laboratory.

2nd Biodiversity Knowledge conference: Towards a future Network of Knowledge on biodiversity and ecosystem services in Europe (EC 7th FW project KNEU); participant H. Hummel; Berlin, Germany; 24-26 September.

Workshop afwegingskader Rijksstructuurvisie Grevelingen/Volkerak-Zoommeer, 25 September, Middelburg, Meysman F., external expert.

Seagrass: 2nd International Conference on exploring the seaweed chain. NIOZ Chair: Timmermans, K.R. Den Helder-Texel, 26-27 September. To express the importance of the new seaweed industry, 130 experts from 13 countries gathered at Seagrass 2013. The conference had specific attention for the sustainable seaweed chain, with the following topics: Hatchery and Farming, Marine Spatial Planning, Market Chain Development, Mechanization, Pre-processing, Storage and Logistics, Biorefinery and products. The first day, with lectures and posters, was organised in Den Helder. The second day of the conference all attendees were invited at NIOZ, Texel,

- where in the morning presentations were given. In the afternoon, a site visit to the NIOZ SeaweedCentre was organised.
- VECTORS: Vectors of Change in Oceans and Seas Marine Life, Impact on Economic Sectors, Workshop WP; participant P. van Avesaath Lecce, Italy, 7-10 October.
- Noordzeedagen; participants H. Hummel, S. Wijnhoven & V. Escaravage; Den Helder, 10-11 October.
- De natuurwetenschappelijke basis van klimaatverandering. Avondsymposium KNAW. Major findings of IPCC Working Group I report Climate Change 2013, The physical science basis. Organisatie en voorzitter: H.J.W. de Baar. Four lectures, attendance by scientists, policy makers, members of parliament, to maximum ~230 persons capacity of Tinbergen conference room. Amsterdam, 11 October. (<https://www.knaw.nl/nl/actueel/agenda/minisymposium-de-natuurwetenschappelijke-basis-van-klimaatverandering>)
- COST EMBOS WGBI workshop, the European Marine Biodiversity Observatory System; Chair & co-organisers H. Hummel & P. van Avesaath, Riga, Latvia; 14-17 October.
- OFFSHORE ENERGY13. OFFSHORE Energy Exhibition & Conference; participant V. Escaravage, Amsterdam RAI, 15-16 October.
- Stuut, J.-B.W. Precruise meeting RV Pelagia cruise 378, NIOZ, Texel, The Netherlands, 16 October.
- JERICO workshop. Possible strategies and potentials for JERICO to become a network for biodiversity observation. Chaired by S. Wijnhoven, during JERICO WP10 workshop, Villefranche-s-Mer, France, 16-18 October.
- Stuut, J.-B.W. Kick-off meeting ERC project DUSTTRAFFIC, NIOZ, Texel, The Netherlands, 17-18 October.
- Annual meeting of the EU-funded project "Future of Reefs in a Changing Environment"., Corpus Christi, Texas, USA, 31 October-1 November.
- VECTORS: Vectors of Change in Oceans and Seas Marine Life, Impact on Economic Sectors, General Assembly Meeting; participant P. van Avesaath; Athens, Greece, 4-7 November.
- CEDA FORUM 2013. Dredging in a changing world; participant V. Escaravage, Rotterdam Netherlands, 7 November.
- Brainstorm meeting 'Tidal Testing Centrum Grevelingendam'; participant S. Wijnhoven, Almere, 7 November.
- MIDAS kickoff meeting, London, 11-15 November. K. Soetaert.
- Zoet-zout Platformdag, 'Estuariene gradienten in Zuidwestelijke delta en Wadden: ambitie, praktijk en beleidsvoornemen'; participant S. Wijnhoven, Utrecht, 14 November.
- Kick-off meeting on the Fixed Point Open Ocean Observatory Network, participant H. Hummel; (FixO3); Rome, Italy; 18-20 November .
- COST EMBOS WGPS workshop, the European Marine Biodiversity Observatory System, Chair & co-organiser H. Hummel and P. van Avesaath; Anavysos, Greece, 20-22 November.
- Schelde Symposium; participant V. Escaravage; Antwerp, Belgium, 21 November.
- GATEWAYS (ITN Marie Curie, FP7 project) steering committee meeting, Chair: G.J. Reichart and C. Cl  roux, annual meeting of the Gateways Pls. 28-29 November, NIOZ,
- Workshop "Dynamic Energy Budgets of Cold Water Coral", Yerseke, 3 December, Gerla, Germany.
- The DIACORA project, meeting partners at Iris, Stavanger, Norway, 9-11 December, Gerla, Germany.
- 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 2013 meeting was in accordance with previous years, and was again a great success with over 300 participants.
- Mini-Symposium 'Electron transfer processes in the subsurface' at the joint annual meeting of the German and Dutch Societies of Microbiology (VAAM and NVvM), co-chair L.J. Stal

#### Public outreach

##### TV

- National TV. 'De heldenrol van de spons'. June 20. Labyrint, TV van Duyl, F. Corals (3482.KORAAAL COFI), 19 November, Het Klokhuis, 18:25-18:40h, Ned 3, TV.
- Timmermans, K. Zeewier, 27 September, NH-leeft (RTVNH).
- Lavaleye, M. Deep-sea mining. TV programma Labyrint, Hilversum, Netherlands, 10 February.
- Stuut, J.-B.W. Interview with Jelle Bauer, Klimaatjagers, VPRO, Dutch Television, 17 July.

##### Radio

- Wernand, M.R., De kleur van de Waddenzee, VPRO, Studio Idzerda, 18.15-19.00 on Radio 1 interview with Remy van den Brand, 10 March. <http://weblogs.vpro.nl/idzerda/2013/03/10/de-kleur-van-de-waddenzee/>
- Schouten, S. Labyrint Radio, 30 juni.
- Boon, J. View on aquaria fish as invasive species, 16 January, Thomas van Zijl from BNR Nieuwsradio.
- Brussaard, C.P.D. Women climate scientists conquer Antarctica, 6 March, Deutsche Welle Radio – Program Living Planet.
- Brussaard, C.P.D. Enorme zeevirussen, 9 June, Labyrint Radio 1.
- Lavaleye, M., Witte. H. Natuurwijzer. Thirteen radioprograms about Texel and the marine environment. Radio Texel, Netherlands, Datum.

## Krant/tijdschrift

Interview Labvision, zeewaterchemie

Press release on the website Lophelia.org about the symbiosis between *Lophelia pertusa* and *Eunice norvegica* (article published in PLOS ONE).

Europort Daily News No. 3, Thursday, 7 November 2013. Ballast water treatment: Lively discussions trigger new impulses. pp. 1-2.

Trouw, 12 September, Timmermans, K. Zeewier zit nog vol mysteries.

GPD, 30 September, Timmermans, K. Nieuwe akker ligt op zee.

Folia Magazine No. 20, 13 February. Farenza, Z (MSc-student with prof. dr. C. Brussaard). Berichten van de Zuidpool.

NRC Wetenschap, 19 January, De Baar, H., Brussaard, C.P.D. Zeecontainers als mobiele labs.

Nederlands Dagblad, 24 January, Brussaard, C.P.D. Onderzoek onder toezicht van pinguïns.

AD Nieuws, 29 January, Brussaard, C.P.D. Nederland kent zijn eigen stukje Zuidpool.

Trouw – de Verdieping, 15 April, Brussaard, C.P.D. Op zoek naar leven in een opwarmende ijszee.

FEMS – Federation of European Microbiological Societies, March, Brussaard, C.P.D. FEMSRE Editor working in Dirck Gerritsz laboratory.

Bionieuws, 22 June, Brussaard, C.P.D. Reuzenvirus in plantaardige gastheer.

Experiment NL, Brussaard, C.P.D. Koud kamp – onderzoek doen op Antarctica is nog zo vervelend niet.

van Gils, J. A. Kanoet overleeft dankzij eten giftige prooien. Press release to promote paper by van Gils et al. (2013) in Proc. R. Soc. 5 June.

Bolhuis, H., 'Lost world' Antarctica lijkt verdacht veel op gewone zee, Volkskrant

<http://www.volkskrant.nl/vk/nl/2672/Wetenschap-Gezondheid/article/detail/3473092/2013/07/10/Lost-world-Antarctica-lijkt-verdacht-veel-op-gewone-zee.dhtml>

Mienis, F. Appearing in article by Gemma Venhuizen: Berglandschap op de oceaانبodem. Geo.brief 7, 10-11.

Stuut, J.-B.W. Interview with Gemma Venhuizen, Geo-Nieuws, Magazine KNG-MG, 16 July.

Stuut, J.-B.W. Interview with Maarten Keulemans, Volkskrant, 15 July.

## Open dag

Open days, Yerseke

NIOZ-Yerseke Open days, Treasures of the Sea, with three topics of the Monitor Taskforce: 1) Asians expel the indigenous shore crab, 2) The jellies have arrived, 3) A closer look at the infauna; Yerseke, 4-5 October.

Organization committee Open Days NIOZ Yerseke

## Lezing/Symposia

Public lecture. Van Oevelen, D., Soetaert, K. Cold-water coral reef communities: Hotspots in the deep ocean". Leidse Biologen Club, Leiden, Netherlands, 15 May.

10 June: Brussaard, C.P.D. Programma polair, sessie Bessensap, Den Haag.

24 Juni: van Slooten, C. Introductory talk about the work in the Dept. of Biological Oceanography and the Ballast Water Research at NIOZ to HBO students of the University of Applied Sciences Van Hall Larenstein, Leeuwarden.

28 August: Boon, J.P. Explanation ballast water in world-wide shipping and related analytical methods necessary to test Ballast Water Treatment Systems to students becoming lab technicians at NOVA College, institute for vocational education in Haarlem, the Netherlands.

18 October: van Bleijswijk, J.D.L. NIOZ introduction and lecture Ecology of marine micro-organisms for students of the Hogeschool Leiden.

27 November: Peperzak, L. Presentation about NIOZ ballast water research for company NOGEPA.

International Innovation – Climate discourse, October, Brussaard, C.P.D. Marine maladies or benefits?

De Stigter, H.C. A tale of two canyons: the Nazaré and Lisbon-Setúbal submarine canyons. Lecture for students at Faculty of Sciences, University of Lisbon, Portugal, 18 November.

Stuut, J.-B.W. Presentation for high-school kids: deep-sea deformation of foam cups, OSG De Hoge Berg, Den Burg, The Netherlands, 26 September.

Stuut, J.-B.W. Saharastof en het klimaat. Lecture for IVN (Instituut voor Natuureducatie en Duurzaamheid) afdeling Texel, 9 January.

Stuut, J.-B.W. Saharastof en het klimaat. Lecture for high-school pupils, 28 May. Excursion at mudflat & saltmarsh near Roelshoek (Eastern Scheldt) & guided tour and talks at institute (OERM), Radboud Universiteit, Nijmegen, the Netherlands, 12 September

Excursion at mudflat & saltmarsh near Viane (Eastern Scheldt), HAS Hogeschool, 's Hertogenbosch, the Netherlands, 22 October.

Ysebaert, T. Public Lecture Ecological developments in the Oosterschelde. Zeeuwse Bibliotheek, Middelburg, 14 November.

Lavaleye, M. Geschiedenis van het molluskenonderzoek in de Noordzee en enkele resultaten van recente cruises met de Pelagia. Symposium "Diversiteit Nederlandse mariene schelpdieren", Naturalis, Leiden, Netherlands, 1 June. 25 september, opening expositie Helderse Vallei, L. Klunder

## Congressen/Evenementen

Stand informing about NIOZ ballast water research at SAIL Den Helder, 20-23 June 2013

Stand informing about NSBWO Project at Interreg conference in Utrecht, 24 June 2013

Stand informing NIOZ sea-going activities at SAIL Den Helder, 20-23 June 2013

Stuut, J.-B.W. Presence at SAIL Den Helder with NIOZ information stand, 21



June.  
 31 juli dag van de zee, Den Burg, Hans Witte, Nienke Bloksma

Rondleiding/lezingen groepen op NIOZ  
 16-apr; Erasmus MC, Hans Galjaard; Katja, Jan  
 8-mei; Wetenschapsquiz junior; NB  
 23 May: Boon, J.P. Explanation NSBWO project and ballast water research at the NIOZ harbour for TKI Maritiem.  
 25-mei; Waddenvereniging; eigen programma  
 28-mei; Scholen aan Zee; NB, Jan van Gils, Jan-Berend Stuu, Klaas Timmermans, Walther Lentink  
 28-mei; bewoners 't Horntje over Kennishaven; Gemeente, Herman Ridderinkhof  
 30-mei; Hoogheemraadschap; ondertekening zandige variant  
 30 mei Visiting group. Van Oevelen, D., Gontikaki, E., Woulds, C., Soetaert, K. Heip, C. The (un)importance of labile detritus in supporting faunal carbon demands in marine sediments. Visit of students Nijmegen University, Yerseke, Netherlands,  
 7 juni Mienis, F. Koudwaterkoralen zijn hot! Omgevingsfactoren bepalend voor de groei van koudwaterkoralen. Lecture for students Pre-University College Leiden, NIOZ, Texel, The Netherlands.  
 23-jun; Sail briefing captains; Carmen / Frida  
 24-jun; Van Hall diermanagement, Peter Hofman; nodigen zelf uit  
 28-jun; groep ??? door ; Jan Boon  
 19 juli Introductie trainees Rijkswaterstaat, M. Vloemans  
 31-jul; ; met Hans Witte, Gerard Nieuwland, Thomas Leerink, Evaline van Weerlee en Nienke Bloksma  
 28 augustus, NOVA college, 1e jaars, inleiding en rondleiding, M. Vloemans  
 6-sep; Planbureau voor de Leefomgeving;  
 12 September: Peperzak, L. Explanation ballast water research performed at NIOZ for company IHC Merwede.  
 17-sep; Natuurmonumenten;  
 24 September. Hopmans, E.C. Ladderanes revealed: An application of LC/MS in organic biogeochemistry. Bezoek "Amsterdams Chemisch Dispuut", NIOZ, 24 September. (lezing)  
 10 oktober. Stuu, J.-B.W. Woestijnstof en het klimaat. Lecture for Lion's Club Texel, The Netherlands.  
 11 oktober, Inleiding en rondleiding Studievereniging Biota Natura, M. Vloemans  
 18-okt; Het Nut voor het algemeen, departement Wieringermeer;  
 18 October: Brussaard, C.P.D. Group visit NIOZ by students of the Hogeschool Leiden.  
 5 November: Peperzak, L. Presentation about NIOZ ballast water research for Top Sector Water.

12 November: Boon, J.P. NIOZ movie and introductory talk about the mission and work of the institute for a group of 20 journalists from Israel who visited innovative events on the isle of Texel as guests of the Ministry of Economic Affairs.  
 22 november. Mienis, F. Cold-water corals in the North Atlantic. Lecture for students Amsterdam University Honours class, NIOZ, Texel, The Netherlands.  
 28 november,  
 18 december, inleiding en rondleiding, HOVO, M. Vloemans  
 18 december Stuu, J.-B.W. Saharastof en het klimaat. Lecture for HOVO (Hoger Onderwijs voor Ouderen) students VU University Amsterdam visiting NIOZ.

#### Internet

Promotional movie for the Olivine Foundation about the research done at NIOZ Yerseke regarding enhanced olivine weathering in marine coastal environments: <http://www.greensand.nl/over-greensand/organisatie/greensand-foundation/onderzoek-olivijn>  
 Soissons, L. Blog post in the 'Notes from the field' section on the World seagrass association blog. Online since 14 January. <http://wsa.seagrassonline.org/blog/>  
 Blog post in the 'Notes from the field' section on the World seagrass association blog. Online since 14 January. <http://wsa.seagrassonline.org/blog/>  
 Jung, S., Passen en meten, Blog Article on ZeelInZicht, <http://www.zeeinzicht.nl/nieuws2/?p=1988>, The Netherlands, 25 November.

#### Poster

Two posters on Ocean Acidification Open Days, NIOZ Yerseke  
 Van der Wal, D. Posters Open Days, 4-5 October, NIOZ Yerseke.

#### Diversen

Snuffelstage voor 2 studenten  
 NIOZ contributions to exhibitions (e.g. at Ecomare, Naturalis, Museon etc.).  
 The Ballast Water Times, Volume 3, edited by Marieke Holthuijsen-Vloemans & Graeme s. Russell.  
 The Ballast Water Times, Volume 4, edited by Marieke Holthuijsen-Vloemans, Dörte Poszig & Graeme s. Russell.  
 The Monitor Taskforce acquired the ISO IEC 17025:2005 accreditation for their laboratory analyses; Accreditation by the RvA on 25 September.  
 Stuu, J.-B.W. Member of jury evaluating presentation of profielwerkstukken, OSG De Hoge Berg, Den Burg, The Netherlands, 26 February.  
 Grove, C.A. Contribution to article by Balcerak, E.: Are element ratios in coral cores a good proxy for past temperature? EOS 94, 197-204.

## Colloquia

- 16 January. Nancy Bruns (University of Vienna). Interactions between algal and terrestrial DOM decomposition in aquatic microbial biofilms.
- 17 January. Santiago Alvarez Fernandez (IMARES). Long term ecosystem changes in the Dutch coastal zone.
- 24 January. Gerard Muyzer (University of Amsterdam). Ecogenomics of haloalkaliphilic sulfur bacteria.
- 31 January. Bas van de Schootbrugge (Utrecht University). Microbes, mud, and methane: causes and consequences of repeated Early Jurassic anoxia.
- 12 February. Jan van Gils (NIOZ, MEE). The top-down role of migrant shorebirds in seagrass-based intertidal ecosystems.
- 14 February. Judith van Bleijswijk (NIOZ, BIO). Bacteria, bivalves, beautiful coral, and booming viruses.
- 21 February. Elisha Moore (NIOZ, BGC). Identification of new membrane lipid structures in planctomycetes from Russian wetlands.
- 28 February. Korneel Rabaey and Nico Boon (University of Ghent) Microbial electrocatalysis – how reactors can help us understand microbial physiology and ecology.
- 12 March. Tineke Troost (Deltares) Modelling transboundary nutrient transport in the North Sea and optimal management measures with respect to river load reductions.
- 14 March. Apy Sluijs (Utrecht University). Middle Eocene carbon cycling, development of Southern Ocean sea ice communities during Antarctic glaciation and carbon isotope fractionation in dinoflagellates as a CO<sub>2</sub> proxy.
- 27 March. Helene di Paoli (NIOZ-Yerseke). Building new mussel beds.
- 28 March. Dorien Kool (NIOZ, BGC). Nitrite-dependent methane oxidation - In search for lipid biomarkers for a novel link between C and N cycle.
- 2 April. Petra Schoon (NIOZ, BGC). Impact of CO<sub>2</sub> and pH on the distribution and stable carbon isotopic composition of microbial biomarker lipids.
- 3 April. Christian Schwarz (NIOZ-Yerseke). Impacts of small-scale processes on large-scale salt marsh dynamics.
- 4 April. Dick van Oevelen (NIOZ, YES). Cold-water coral reef communities: biogeochemical hotspots in the deep ocean.
- 16 April. Dave Callaghan (University of Queensland). Modelling sea-grass in Moreton Bay and Lizard Island.
- 18 April. David Chivall (NIOZ, BGC). Towards an organic paleosalinity proxy.
- 24 April. Bart Veuger (NIOZ-Yerseke). Nitrification and growth of autotrophic nitrifying bacteria and Thaumarchaeota in the coastal North Sea.
- 25 April. Caroline Cl  roux (NIOZ, GEO). Mg/Ca and Sr/Ca ratios in planktonic foraminifera: proxies for upper water column temperature reconstruction.
- 2 May. Marjolaine Krug (CSIR). Natal pulses in the Agulhas Current: origin, evolution and impact.
- 2 May. Huib de Swart (Utrecht University). Dynamics of subtidal currents and net salt transport in estuaries.
- 3 May. Robert Poulin (University of Otago). Parasites in marine ecosystems.
- 15 May. Roger Mann (Virginia Institute of Marine Science). A general talk on the impacts of climate change of the US east coast.
- 16 May. Laura de Steur (NIOZ, FYS). Arctic-Subarctic exchange in the East Greenland Current.
- 22 May. Sairah Malkin (NIOZ-Yerseke). Electrically conductive filamentous bacteria in North Sea coastal sediments.
- 29 May. Clare Woulds (Leeds University). <sup>13</sup>C pulse chase studies of carbon cycling at chemosynthetic sites.
- 30 May. Gerben de Boer (Deltares). An introduction into .Open Earth.
- 12 June. Greg Silsby (NIOZ-Yerseke). Climate change and eutrophication catalyzed ecological disruption in Lake Victoria, East Africa.
- 13 June. Saskia Franken (Utrecht University). Open Access: What's going on?.
- 19 June. Jan Drent (NIOZ-MEE) and Aad Smaal (IMARES Wageningen). Effects of mussel seed fisheries on the natural values of the subtidal western Wadden Sea.
- 20 June. Cecile Blanchet (NIOZ, BGC). Environmental changes in the Nile watershed during the Holocene: insights on climatic mechanisms and human dynamics.
- 4 July. Andr   de Roos. (University of Amsterdam). Ontogenetic development: the unique, ecological processes we tend to ignore.
- 27 July. Jan Drent (NIOZ, MEE) and Aad Smaal (IMARES Wageningen UR). PRODUS.
- 21 August. William Hunter (University of Vienna). The FILTH Elements: The function of organo-mineral particles within stream carbon and nitrogen cycles.
- 3 September. Adam Kessler (Monash University). Denitrification in permeable sediments.
- 4 September. Alina Stadnitskaia (NIOZ-GEO). Deep Sea Science & Technology Centre.
- 5 September. Theo Gerkema (NIOZ, FYS). A day in the life of the Vlie: measurements on suspended sediment transport.
- 10 September. David Hollander (University of South Florida). The down and dirty: assessing the fate, impacts, and consequences of sedimentary oil deposition in the aftermath of the Deepwater Horizon oil-well blowout.
- 11 September. Johan van de Koppel (NIOZ-YRE). The ecology of animal movement: can we learn from physics?
- 18 September. Lieke Mulder (NIOZ-YES). Having a DIP: Seasonality and Nutrient Dynamics in the DIP-limited western Wadden Sea.
- 26 September. Ronald de Vries (CBS-KNAW). Degradation of biomass of terrestrial plants and algae by fungi.

- 30 September. Andrea Taramelli (ISPRA). Innovative use of Copernicus remote sensing data: identifying ways for analyzing coastal ecosystems.
- 1 October. Jean-Philippe (Belliard University of Trento). Modelling the morphological evolution of tidal drainage networks.
- 3 October. Meinard Tiessen (NIOZ, FYS). The drift of plaice eggs and larvae across the North Sea: studying fish by modelling physics.
- 10 October. Matias Duran Matute (NIOZ, FYS). Residual circulation and freshwater transport in the Dutch Wadden Sea.
- 17 October. Matthijs van der Geest (NIOZ, MEE). Multi-trophic interactions within the seagrass beds of Band d'Arguin, Mauritania: a chemosynthesis-based intertidal food web.
- 24 October. Sebastiaan Rampen (NIOZ, BGC). Long chain diols: applications for climate reconstruction.
- 30 October. Christian Mohn (Aarhus University). Benthic hydrodynamics at cold-water coral provinces: A high resolution model study in the NE Atlantic.
- 31 October. Furu Mienis (NIOZ, GEO). New insights on cold-water coral growth and mound development.
- 7 November. Scarlett Trimborn (AWI). The availability and the source of iron modulate ocean acidification effects in Antarctic phytoplankton.
- 5 December. Marta Rodrigo (NIOZ, BGC). Testing and applying the Long chain Diol Index (LDI) as a novel marine paleotemperature proxy in combination with other organic proxies.

## External functions

### H. Bolhuis

- Editorial Board -Aquatic Biosystems - <http://www.aquaticbiosystems.org>
- External Expert/Examiner Hogeschool Zeeland, Vlissingen.

### K. Booij

- Member of the ICES Marine Chemistry Working Group.

### J. Boon

- Project manager of the NSBWO project and leader of work package 1 of the NSBWO project.

### H. Brinkhuis

- Member POGO,
- Member EU Marine Board
- Member BuZa/EZ Klankbord groep Horizon 2020
- Member bestuur ZeelNzicht
- Member/vice chair Acroporanet
- Member stuurgroep CNSI/vice chair
- Member Raad van Advies WaLTER
- Member scientific Board Waddenacademie

- Member scientific Board Darwin Centre
- Chair LPP Foundation
- Chair NWO NL IODP commissie
- Various NWO scientific commissions, o.a. Caribbean call
- Member MKI
- Member advisory board ERICON scientific
- Co-director Urbino Summer School Paleoclimatology.

### T.J. Bouma

- Copromotor doctoral thesis Marjolijn Christianen (Radboud University Nijmegen) & thesis Thorsten Balke (Radboud University Nijmegen)
- Opponent at the PhD defense of Roos Veeneklaas (Groningen University) and Miguel Lara Rallo: (University Cadiz, Spain)
- Part-time hired by HZ-Vlissingen, for 10% of the time (scientific quality control of the research within the Centre of expertise)
- Part-time appointment at Deltares, for up to 20% of the time (supervision of 2 PhD projects)
- Project leader for several external funded scientific projects.

### G.-J.A. Brummer

- Professor (Palaeo)oceanography and Geochemistry, Institute for Earth Sciences, VU University Amsterdam
- Member Steering Group GATEWAYS (EU-FP7, MC-ITN)
- Member NWO/ALW gebruikersadviesgroep verankerde instrumentatie (GAG-VI)
- Member Steering Group INATEX (NWO/ZKO-oceans).

### G.C. Cadée

- Associate editor ICHNOS
- Member editorial board Natura KNNV
- Member board Historie Oceanografie Club, HOC
- Gastmedewerker Rijksmuseum Amsterdam.

### C.J. Camphuysen

- Editorial board ICES Journal of Marine Science
- Editorial board Seabird (The UK Seabird Group)
- Editorial board Sula (Nederlandse Zeevogelgroep)
- Member board of directors (representative for Europe), World Seabird Union
- Member ICES Working Group Seabird Ecology (WGSE)
- Member European Seabirds At Sea Database.

### C. Cléroux

- Member of the scientific committee for the PAGES Young Scientific Meeting, Goa (India), 11-12 February 2013
- Member of the SCOR WG138, Modern Planktic Foraminifera and Ocean Changes
- Organizer of the SCOR WG138 Workshop "Standardization of collection

- methods for living planktonic foraminifera”, Prague, Czech Republic, 24-26 June.
- H.J.W. de Baar
- Chairman, Section Earth Sciences, KNAW
  - Vice-chairman, Council for Earth and Life Sciences, KNAW
  - Member, Raad van Toezicht, Maritime Centre Netherlands (MCN Den Helder).
- T. F. de Bruin
- Chair - Netherlands National Oceanographic Data Committee (NL-NODC)
  - IODE national coordinator for data management
  - Member - OceanSITES Data Management Team
  - Member – ICES Working Group on Data and Information Management (ICES-WGDIM)
  - Member - Steering Committee of the Marine Metadata Interoperability (MMI) project
  - Member - Southern Ocean Observing System (SOOS) Data Management Sub-Committee
  - Acting Chief Officer until Oct 13. After Oct. 13 Chief Officer – SCAR Standing Committee on Antarctic Data Management (SCADM)
  - Member Review Team UK MEDIN (Marine and Environmental Data and Information Network)
  - Member Advisory Group Norwegian NMDC (Norwegian Marine Data Centre project)
  - Member Review Team Swedish ECDS (Environment Climate Data Sweden facility)
  - Member NWO Klankbordgroep datamanagement.
- L.J. de Nooijer
- Guest senior scientist at the Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Germany.
- H.C. de Stigter
- Chairman NWO-ALW gebruikersadviesgroep bodembemonsteringssystemen en seismiek (GAG-BSS).
- T. Gerkema
- Member NCK Programma Commissie
  - Co-director thesis (B. Aguiar-González, Universidad de Las Palmas de Gran Canaria).
- L.J.A. Gerringa
- Member Netherlands Polar Committee (NPC).
- J. Greinert
- Guest professor in Marine Geology, Ghent University, Belgium
  - Chairman COST Action ES0902 ‘PERGAMON’ (EU-ESF).
- H. de Haas
- Member NWO-ALW gebruikersadviesgroep bodembemonsteringssystemen en seismiek (GAG-BSS).
- H. van Haren
- Member Institutional Board ANTARES neutrino telescope
  - Member Institutional Board KM3NeT
  - Chairman “ALW gebruikersadviesgroep Verankerde Instrumentatie”
  - Chairman “ALW-GAGvoorzittersplus”.
- P.M.J. Herman
- Member Commission Monitoring Westerschelde for VNSC
  - Member Science Committee Ifremer, France
  - Member programme committee NCK
  - Member Ecoshape User commission
  - Jury member doctoral thesis of Matthijs van der Geest, Serena Donadi,
  - Copromotor doctoral thesis Quan-Xing Liu, Marjolijn Christianen
  - Promotor doctoral thesis Thorsten Balke
  - Member North Sea Research panel Rijkswaterstaat
  - Course at NCK summer school, Texel, July
  - Member science advisory commission Mosselwad
  - Member expert advisory commission LifeWatch Flanders
  - Member panel Schure-Beijerinck-Popping fund.
- 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 Steering Committee EC 7th FW project EuroMarine
  - 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.
- 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).
- B. Koster
- Member NWO-ALW gebruikersadviesgroep bodembemonsteringssystemen en seismiek (GAG-BSS).
- J. Kromkamp
- Guest editor Aquatic Biology for special volume “environmental forcing



of aquatic primary productivity” as a result of the GAP (Group on Aquatic Primary Production) workshop in Malaga, September 2012

- Member international board of the Group for Aquatic Primary Productivity (GAP)
- Member PhD thesis defense committees for Susanna Wilken (University of Utrecht, 27 March) and Gemma Kulk (University of Groningen, 6 September)
- Member of the “Zeeuwse Wetenschapsraad (Scientific board of the province of Zeeland)
- Member of the kernteam “Kennis Netwerk DeltaWater (KNDW).”

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.

L.R.M. Maas

- Professor Ocean wave dynamics – IMAU, Utrecht University
- Member scientific board CIIMAR – Porto University
- Member thesis defense committees M. den Toom (UU, 20 March) and A. Cimadoribus (UU, 5 July).

F.J.R. Meysman

- Coordinator Darwin project ‘HYPOXIA Grevelingen’
- Editor Journal of Marine Research
- Editor Biogeosciences Member Scientific Advisory Board, company OVIZIO
- Membership PhD committee Ugo Marzocchi, Aarhus University, 30 May
- Membership PhD committee Guillaume Bernard, Bordeaux University, 6 July.

F. Mienis

- Guest editor Deep Sea Research II, Special Volume on Cold Corals.

L. Peperzak

- Work package leader North Sea Ballast Water Opportunity Project
- Member Infrastructuur & Milieu Expert Groep Ballastwater
- Member of GlobalTestnet on behalf of the NIOZ Ballast Water Test Facility and Research Centre
- Member of the ICES/IOC/IMO Working Group on Ballast and Other Ship Vectors.

T. Piersma

- Professor Global Flyway ecology at the Centre for Ecological and Evolutionary Studies (CEES) at the University of Groningen
- Editor of Journal of Avian Biology
- Editor of Functional Ecology

- Editorial board of Journal of Ornithology
- Editorial board of Movement Ecology
- Editorial board of Emu
- Vice-Président of the Conseil Scientifique of the Banc d’Arguin (CSBA), Mauritania
- Chairman of the *Global Flyway Network*
- Member of KNAW, Amsterdam.

G.J. Reichart

- President of the Biogeosciences division of the European Geosciences Union
- Program Chair of the 2013 General Assembly of the European Geosciences Union
- Assistant Professor, Earth Science Department, 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.

H. Ridderinkhof

- Member bestuur Tidal Testing Centre
- Member Raad van Advies Stichting Texels Museum/Ecomare
- Member deelnemersraad EcoShape Building with Nature
- Member Raad van Advies Texel 2020.

M.J.A. Rijkenberg

- Member of the Scientific Steering Committee of the international GEOTRACES program under aegis of SCOR/ICSU
- Associate member of the SCOR working group 139: Organic ligands – A key control on trace metal biogeochemistry in the ocean.

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.

J.S. Sinninghe Damsté

- Part-time professor Organic Geochemistry, Faculty of Geosciences, Utrecht University
- Member of the Royal Dutch Academy of Science (KNAW)
- Member of the KNAW council for Earth & Life Sciences
- 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*.
- M.G. Smit
- Member Ocean Fleet Exchange Group – Technology section
  - Member NWO Instituut Platform Kennis Benutting
  - Member NWO Technologie Overleg.
- K. Soetaert
- Member of the FWO scientific commission 'bio' (Belgium)
  - Member of the NWO vidi commission (The Netherlands).
- L.J. Stal
- Professor Mariene Microbiologie, University of Amsterdam
  - Editor *Annals of Microbiology*
  - Editor *Plos-One*
  - Editorial Board *ISME Journal*
  - Editorial Board *Frontiers in Aquatic Microbiology*
  - Coordinator NWO-ZKO project NICYCLE
  - Coordinator EU-FP7 project MaCuMBA
  - Workpackage leader EU-FP demonstration project InteSusAI
  - Coordinator EMBRC-NL and associated member of EMBRC (ESFRI preparatory phase Research Infrastructure).
- J.-B.W. Stuur
- Senior scientist at MARUM – Center for Marine Environmental Sciences, University of Bremen, Germany
  - Founding member of International Society for Aeolian Research
  - Member editorial board *Aeolian Research*
  - Advisory editor *Netherlands Journal of Geosciences*
  - Coördinator INQUA Project (PASH2)
  - Member *Nederlands IODP Commissie*
  - Member *INQUA-Nederland bestuur*.
- D. W. Thieltges
- Associate Editor *International Journal of Parasitology: Parasites and Wildlife*
  - Editorial Board of *Journal Sea Research*
  - Subject Editor for *Marine Biology Research*.
- 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.
- J. van de Koppel
- Selection committee for the 2013 NWO-Rubicon grants.
- D. van der Wal
- Coordinator RWS Bodemdieren Westerschelde 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
  - Member 'Flexibel Stortoverleg' (subgroup Technical Schelde Committee).
- J. van der Meer
- Professor in Marine Population Ecology at the Institute for Ecological Sciences at the VU University Amsterdam
  - Editor of *ISRN Oceanography*
  - Chairman of the Netherlands Annual Ecology Meeting organization committee
  - Chairman of the Third International DEB Symposium 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 *KNAW Schure-Beijerinck-Popping fund*
  - Member of the *ICES working group WKVHES*.
- H.W. van der Veer
- Member of the *ICES Working Group on Recruitment Processes*
  - Member Organizing Committee 9th International Symposium on Flatfish Ecology, Seattle, The Netherlands
  - Guest editor *Proceedings 8th International Symposium on Flatfish Ecology*.
  - Editor-in-chief *Journal of Sea Research*.
- 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*.
- L. Villanueva
- Member of the editorial board of *International Microbiology Journal*.
- Tj.C.E. van Weering (Sci. Emeritus)
- Professor *Paleoceanography*, Institute for Earth Sciences, VU University Amsterdam
  - Member Programme Committee to the Scientific Programme Indonesia – Netherlands (SPIN) of the Royal Netherlands Academy of Arts and Sciences (KNAW)
  - Member editorial board *Boreas*
  - Member steering committee *COCARDE/ESF*

- Guest editor Deep Sea Research II, Special Volume on Cold Corals
- Advisor NWO-NIOZ regarding Caribbean Netherlands Science Institute at St. Eustatius
- Member program committee Netherlands Caribbean programme (NWO).

M.R. Wernand

- First opponent of evaluation of doctorate thesis and member of the reading committee of Anna Solvang Båtnes' dissertation (September) at the Norwegian University of Science and Technology, the Faculty of Natural Sciences and Technology
- First opponent of evaluation of doctorate thesis and member of the reading committee of Julia A. Busch dissertation (December) at University of Bremen, Department 2 (Biology/Chemistry), Germany
- EARSEL representative
- General chair and program committee member 3rd EOS Topical Meeting on Blue Photonics® - Optics in the Sea.

R. Witbaard

- Conference Delegate for the 3rd International Sclerochronology conference, Caernarfon North Wales, UK.

T. Ysebaert

- Professor University of Antwerp (0.05 fte), course Ecological Engineering, Advanced Master of Science in Technology for Integrated Water Management
- Member scientific committee Building with Nature project.

## Guests

Callaghan, D., School of Civil Engineering, The University of Queensland, Australia, 1 April–22 April.

Charnier, J., Université de Bordeaux, France, 1 January-31 August.

David, H. BSc., Department of Plant Biology and Ecology, Universidad del País Vasco, Spain, 7 January–7 May.

Davidson, R., University of Otago, New Zealand, 13 January-22 February.

Genuario, D., Centro de Energia Nuclear na Agricultura, Universidade de São Paulo, Brazil, 11 January–31 December.

Gommeaux, dr M., Université de Reims Champagne-Ardenne, France, 1 January–30 August.

Kunihiro, dr. T., Center for Marine Environmental Studies (CMES), Ehime University, Japan, March-December.

Lima Sobrinho, R., Department of Geochemistry, Niteroi, Rio de Janeiro, Brazil, 13 May-31 December.

Kloosterziel, dr. R., SOEST, Hawaii, USA, 1-22 August.

Malkin, dr. S., Vrije Universiteit Brussel, Belgium, 1 January-31 December.

Montserrat Trotsenburg, dr. F., Vrije Universiteit Brussels, Belgium, 1 January-31 December.

Parari, M., University of Barcelona, Spain, 1 April–28 June.

Paul, M., University of Hamburg, Germany, 1-16 July.

Quaijtaal, W., Universiteit Gent, Belgium, 9 June-6 July.

Simon, M., Cardiff University, UK, 1-26 April.

Sliwiska, K., Aarhus University, Denmark, 4 March–15 April.

Taha, I., Universiteit Wien, Oostenrijk, 1 Januari-28 February.

Velilla Perdomo, E. VU University Amsterdam, 1 March-30 August.

Weber Y., University of Basel, Switzerland, 7-31 January, 22 April-17 May.

Yaakub, S.M., National University Singapore, Singapore, 6 May–25 June.

Zetsche, dr. E., Vrije Universiteit Brussel, Belgium, 1 January-31 December.

Students & interns (Master, HBO & MBO)

Adamopoulou, S., Ghent University, Belgium, 25 February-28 June.

Bal, C., Hogeschool Rijnijsel, Nijmegen, 1 February-30 June.

Bik, S., CAH Vilentum Almere, April-October.

Biller, T., University of Bologna, Italy, January.

Bloem, M., VU University Amsterdam, 1 January-15 July.

Busink, S., Universiteit Wageningen, 24 April-30 June.

Chu, N.Y., Radboud University Nijmegen, Nijmegen, 17 January-31 October.

Ciurej, A., Institute of Geological Sciences, Polish Academy of Sciences, Kraków, Poland, September-November.

Collet, C., IUT génie biologique de Perpignan, France, 15 April-15 August.

Dalhuijsen, K.F.J. Nova college Beverwijk, 27 February-19 July.

Darley, C.M. Nova college Beverwijk, 8 April-31 December.

De Bar, M., Utrecht University, August-December.

De Koning, S., Universiteit van Amsterdam, 1 January-1 September.

De Ruiter, G.J., ROC Zadkine, Rotterdam, 4 February-31 December.

Dijkstra, M., Hogeschool Van Hall – Larenstein, Leeuwarden, February-August.

Driessen, F., Groningen University, 16 September-31 December.

Elofer, E., IUT génie biologique de Perpignan, France, 15 April-15 August.

Feis, M., Groningen University, 1 January-31 December.

Fijen, T., Wageningen UR, Netherlands, 1 January –April.

Fillol, M., University of Girona, Spain, 1 March–1 October.

Geerken, E., VU University Amsterdam, December.

Geers, R. Hogeschool HAS Den Bosch, 11 March-2 August.

Geerts, L. Universiteit Antwerpen, Belgium, 7 October – 31 December.

Germain, M., Agrocampus Ouest, France, 1-25 January

Greiss, J. Berufskolleg Hielden, Germany, 28 July-27 October.

Hefer, P. Berufskolleg Hielden, Germany, 28 July-27 October.

Hong, T., Hogeschool Zeeland, Vlissingen, 1 January-31 March.

Janssen, A., University of Duisburg-Essen (& Radboud University Nijmegen), 16 September–15 December.

Jorissen, L., Institut Polytechnique Lasalle Beauvais, Beauvais, France, 1 July-27 October.

Karlos Ribeiro de Moraes, Brazil, 1 June-30 November.

Kavelaars, M., University of Amsterdam, 1 January-August.  
 Kinsley, C., Massachusetts Institute of Technology, Cambridge, Massachusetts, USA, July.  
 Klip, N., Hogeschool Rotterdam, Rotterdam, 1 September-31 December.  
 Kloosters, P., Utrecht University, 1 April-1 June.  
 Kranenburg, M., Hogeschool Leiden, 1 February-1 September.  
 Kristalijn, J., Avans Hogeschool, Breda, 1 January-30 August.  
 Legoff, T., IUT génie biologique de Perpignan, Perpignan, France, 15 April-15 August.  
 Liddell, C., University of Wageningen, 2 September-22 December.  
 Lippo, L., Universiteit van Salento-Lecce, Italy, 1 January-28 February.  
 Lorent, S., VUB/U Gent/U Antwerpen, 23 September-31 December.  
 Maarsen, N., Hogeschool InHolland, 1 January-31 May.  
 Markovic, M., Germany, 1 January-30 June.  
 Maugendre, L., PLFA extractions. Laboratoire d'Océanographie de Villefranche, France, June.  
 Mermans, D., Radboud Universiteit, Nijmegen, 1 January-30 June.  
 Münch, M., Utrecht University, 24-28 June.  
 Oers, S. van, TU Delft, 22 July-31 December.  
 Oldenburg, R., University of Amsterdam, January-July.  
 Pacoureau, T., Université La Rochelle, La Rochelle, France, 1 January-31 May  
 Philippe, A., La Rochelle University, France, January-July.  
 Pieters, P., Universiteit Wageningen, 1 Mei-1 December.  
 Piontek, K., Berufskolleg Hielden, Germany, 28 July-27 October.  
 Reurslag, R.M., VU University, Amsterdam, February-July.  
 Roepert, A., Utrecht University, 24-28 June.  
 Roussey, A., University of Angers, France, 17 June-31 August.  
 Ruiten, R., Rijn-IJssel MBO laboratoriumonderwijs, Arnhem, 1 April-1 July.  
 Schmidt, E., Technische Universität München, 1 January- 21 June.  
 Schot, S.J., Nova college Beverwijk, 1-17 January.  
 Schuster, A.-K., University of Landau, Germany, 16 April-30 November.  
 Shoemith, D., Groningen University, 15 February-31 December.  
 Simon, S., Institute for Earth Sciences, Kiel, Germany, 21-26 April.  
 Smeekes, J., VU University, Amsterdam, 12 February-21 July.  
 Smit, D.C., Nova college Beverwijk, 9 September 2013-31 December.  
 Speksnijder, Y., Avans Hogeschool, Breda, 1 April-1 September and 15 November-31 December.  
 Spijkstra, M., Van Hall Larenstein, 1 February-1 July.  
 Stam, A., Hogeschool InHolland, 2 September-31 December.  
 Steenis, C. Nova college Beverwijk, 1 January-27 June.  
 Sweere, T., Utrecht University.  
 Temmesfeld, F., MARUM, Bremen, Germany, October-31 December.  
 Twijnstra, R.H. Hogeschool van Hall Larensteijn, Leeuwarden, 4 February-4 July.  
 Tyson, C., University of Amsterdam, May-December.  
 Ubels, S., Utrecht University, 2 Februari-2 April.  
 van Bijsterveldt, C, Utrecht University, 22 April-28 June and 18 November-31 December.  
 van Deelen, W.B.J. Hogeschool van Hall Larensteijn, Leeuwarden, 4 February-4 July.  
 Van der Does, M., VU University Amsterdam, January-February.  
 van der Kamp, M., Wageningen University, 1 January-9 March.  
 Van der Linde, L., Hogeschool Rotterdam, Rotterdam, 1 January-30 June.  
 van Gemert, M. VU University, Amsterdam, February-September.  
 van Regteren, M., Groningen University, 14 January-14 August.  
 van Veen, M.E. Helicon, 1 November-31 December.  
 van Zanten, W. Utrecht University, April-May.  
 Wallaard, I., 19 August-31 December.  
 Way, S., Hogeschool InHolland, Amsterdam, 15 August-31 December.  
 Whalen, C. Universiteit van Amsterdam, 1 January-1 September.  
 Wijers, T., Groningen University, 1 January-1 February.  
 Witteveen, K. Hogeschool van Hall Larensteijn, Leeuwarden, Netherlands, 4 February-4 July.  
 Zaffonti, F., University of Florence, Italy, 15 October-31 December.  
 Zawadowski, T., 6 September-31 December.  
 Zell, K., University of Cologne, Köln, Germany, August.  
 Zwiep, K. Utrecht University, 22 April-26 June.

**Visitors**  
 Bhuckory, R., 1st secretary at Mauritius High Commission, en Mr. Kandasamy, High Commissioner Mauritius, 25 en 26 September.  
 Blyth, A.J., The Open University, Milton Keynes, UK, 27 May-5 June.  
 Bondoc, K., International Max Planck Research, Friedrich-Schiller-Universität Jena, Germany, 1-9 August.  
 Burns, dr. N, Department of Limnology, University of Vienna, Austria, 14-22 January  
 Davidsz, E., greenSand BV, 18 December  
 De Moor, J., The Netherlands, 13 November.  
 Dedeckker, P., Australian National University, Canberra, Australia, 2-10 February, 8-10 September.  
 Directie AWI, + ondertekening MoU, 29 October.  
 Directie Energy Valley, 30 October.  
 Directie IHC Merwede, 12 September.  
 Directie NARLabs Taiwan, 24 September.  
 Directie NETH-er, 17 December.  
 Directie NOGEPa, 27 November.  
 Directie Nudge, 8 October.



Directie Shell, 26 September.  
Directie TNO, 17 January.  
Directie UNESCO/IHE, 15 November.  
Directie VLIZ, 1 October.  
Donders, T., Utrecht University, The Netherlands, 7-17 May.  
Filippidi, A., Utrecht University, The Netherlands, 4 October.  
Fortuin, dr. A., Waterschap Scheldestromen, Terneuzen, 15 July.  
Friese, C., MARUM - Center for Marine Environmental Sciences, Bremen, Germany, 15-19 July.  
Gremare, Prof. A., Bordeaux University, France, 23 January.  
Halibur, J., Large Lakes Observatory, University of Minnesota Duluth, USA, 4-21 February.  
Havinga, prof. dr. P., Twente University, 29 August.  
Tamiya, prof. dr. E., Osaka University, 19 July.  
Fraiture, prof. dr. Ch. de, Unesco IHE, 15 November.  
Huis in 't Veld, H. Topsector Water, 5 November.  
Hunter, dr. W., University of Vienna, Austria, 19-23 August  
Knops, ir. P., Innovation Concepts BV / KU Leuven, Belgium.  
Lantink, M., Utrecht University, 4 October.  
Mattiello, I., University of Sao Paulo, Brasil, 3-5 December.  
Mattos dos Santos, dr. R., KU Leuven, Belgium, 18 December.  
Miserocchi, S., Istituto Scienze Marine CNR, Bologna, Italy, 8-12 July.  
Mohn, dr. M., Aarhus University, Denmark, 29-30 October.  
Morana, MSc C., Leuven University, Belgium, 13-14 January  
Moros, M., Institute for Earth Sciences, Kiel, Germany, 22-24 April.  
O'Hanlon, R., 18-20 December.  
Park, dr. Y.-S., Dundee University, UK, 17 June.  
Poulin, Prof. Dr. R., Zoology department, University of Otago, New Zealand, 1-5 May.  
Prins, M., VU University Amsterdam, 4,15-26 April.  
Rabaey, Prof. K., Ghent University, Belgium, 28 February.  
Rouselle, G., 5-16 March.  
Scussolini, P., VU University Amsterdam, 19 March.  
Straathof, C., VU University Amsterdam, 2-5 April.  
Taramelli, A., ISPRA Institute for Environmental Protection and Research, Rome, Italy.  
TKI Maritiem, 23 May.  
Ufkes, E., VU University Amsterdam, 2-5 April.  
Ullgren, dr. J., Bergen University, Norway, 29-30 June and 21-23 September.  
Woulds, dr. C., Leeds University, UK. 27-31 May.  
Wu, J., Utrecht University, 18-22 November.

Afdeling	Naam				
BGC	Baas, Marianne	BIO	Clargo, Niki	DIR	Lindeboom, Han
BGC	Bale, Nicole	BIO	Crawfurd, Kate	DIR	Raad de, Ingrid
BGC	Besseling, Marc	BIO	Doggen, Richard	DIR	Ridderinkhof, Herman
BGC	Bommel van, Ronald	BIO	Duyl van, Fleur	DIR	Stapel, Johan
BGC	Booij, Kees	BIO	Ferreira da Silva, Catarina	DIR	Vos de, Arjen
BGC	Bree van, Loes	BIO	Garritsen - Arnhem van, Eveline	DMG	Bruin de, Taco
BGC	Chivall, David	BIO	Gonzalez, Santiago	DMG	Koster de, Ronald
BGC	Donkers, Kevin	BIO	Hoogstraten, Astrid	DMG	Nieuwenhuis, Jan
BGC	Dorhout, Denise	BIO	Immler, Eva	DMG	Richter, Thomas
BGC	Heinzelmann, Sandra	BIO	Kooijman - Scholten, Kirsten	FCC	Dapper - Maas, Marianne
BGC	Hopmans, Ellen	BIO	Lamers, Alma	FCC	Davidse, Theo
BGC	Jonge de, Cindy	BIO	Lubsch, Alex	FCC	Dekker, Melchior
BGC	Kandiano, Evgenia	BIO	Maat, Douwe	FCC	Gootjes, Jack
BGC	Kasper, Sebastian	BIO	Mojica, Kristina	FCC	Groot, Siem
BGC	Kim, Jung	BIO	Müller, Benjamin	FCC	Keijser, Andrea
BGC	Kool, Dorien	BIO	Noordeloos, Anna	FCC	Kooijman - Biermans, Hilde
BGC	Lipsewers, Yvon	BIO	Noort van, Govert	FCC	Linden van der, Marcel
BGC	M'Boule, Daniela	BIO	O'Connor, Paul	FCC	Magnée, Gaston
BGC	Meer van der, Marcel	BIO	Oosterhuis, Swier	FCC	Poleacov - Maraiala, Cornelia
BGC	Mets, Anhelique	BIO	Peperzak, Louis	FCC	Poleij, Carla
BGC	Moore, Eli	BIO	Poll van de, Willem	FCC	Ruissen, Hans
BGC	Ossebaar, Jort	BIO	Poszig, Dörte	FCC	Vos, Tjerk
BGC	Panoto, Elda	BIO	Rijkenberg, Micha	FCC	Wernand - Godee, Irene
BGC	Rampen, Sebastiaan	BIO	Ruardij, Piet	FCC	Witte, Ruud
BGC	Rijpstra, Irene	BIO	Salt, Lesly	FM	Berbee - Bossen, Jantine
BGC	Rodrigo Gamiz, Marta	BIO	Schoemann, Véronique	FM	Daalder, Ruud
BGC	Schouten, Stefan	BIO	Slagter, Hans	FM	Heerschap, Dick
BGC	Sinke - Schoen, Daniëlle	BIO	Slooten van, Cees	FM	Kralingen van, Pieter
BGC	Sinninghe Damste, Jaap	BIO	Snoek, Josje	FM	Lakeman, Robert
BGC	Soelen van, Els	BIO	Stehouwer, Peter Paul	FM	Trap, Biem
BGC	Sollai, Martina	BIO	Taha, Ishraga	FM	Wagemaakers, Diana
BGC	Svensson, Elisabeth	BIO	Timmermans, Klaas	FM	Wal van der, Meta
BGC	Verweij, Monique	BIO	Vos de, Arjen	FMA	Barten - Krijgsman, Nelleke
BGC	Villanueva Alvarez, Laura	BIO	Witte, Harry	FYS	Aguiar Gonzalez, Borja
BGC	Warden, Lisa	CPR	Aggenbach, Bert	FYS	Aken van, Hendrik
BGC	Zell, Claudia	CPR	Barten - Krijgsman, Nelleke	FYS	Cimatoribus, Andrea
BIB	Bruining - Porto de, Marlies	CPR	Bloksma, Nienke	FYS	Duran Matute, Matias
BIB	Weegen van der, Leonne	CPR	Boon, Jan	FYS	Eijgenraam, Frans
BIO	Balkema, Cherele	CPR	Brinkhuis, Dan	FYS	Gerkema, Theo
BIO	Biggs, Tristan	CPR	Holthuijsen - Vloemans, Marieke	FYS	Haren van, Hans
BIO	Bleijswijk Tierens Verhagen van, Judith	CPR	Leerink, Thomas	FYS	Heide van der, Roald
BIO	Blin, Alex	CPR	Manshanden, Gerard	FYS	Hout van der, Carola
BIO	Bown, Johann	DIR	Blaauboer - Jong de, Carmen	FYS	Maas, Leo
BIO	Brussaard, Corina	DIR	Brinkhuis, Henk	FYS	Nauw - Vegt van der, Janine
		DIR	Kraanen - Witte, Frida	FYS	Novoa Gautier, Stefani

FYS	Ober, Sven	HRM	Vooijs, Peter	MEE	Meer van der, Jaap
FYS	Rabitti, Anna	ICT	Derksen, Jan	MEE	Miguel, Simone
FYS	Steur de, Laura	ICT	Epping, Eric	MEE	Mosk, Dennis
FYS	Stocchi, Paolo	ICT	Jonkman, Jan-Thijs	MEE	Mulder, Maarten
FYS	Tiessen, Meinard	ICT	Malschaert, Hans	MEE	Nieuwland, Gerard
FYS	Vermeersen, Bert	ICT	Nauw, Roland	MEE	Oever van den, Anneke
FYS	Vries de, Jurre	ICT	Pool, Wim	MEE	Oudman, Thomas
FYS	Wagemaakers, Eric	MEE	Bergman, Magda	MEE	Philippart, Katja
FYS	Wernand, Marcel	MEE	Bijleveld, Allert	MEE	Piersma, Theunis
GCO	Baar de, Hein	MEE	Bol - Heijer den, Anneke	MEE	Poszig, Dörte
GCO	Bakker, Karel	MEE	Bom, Roeland	MEE	Raad de, Ingrid
GCO	Boer, Wim	MEE	Brouwer, Chris	MEE	Rakhimberdiev, Eldar
GCO	Brummer, Geert-Jan	MEE	Brugge, Maarten	MEE	Smelter, Maaike
GCO	Cléroux, Caroline	MEE	Camphuijsen, Kees	MEE	Spaans, Bernard
GCO	Dijk van, Inge	MEE	Chan, Chi	MEE	Tacoma, Marten
GCO	Does van der, Michelle	MEE	Compton, Tanya	MEE	Thieltges, David
GCO	Gaever van, Piet	MEE	Dalhuijsen, Kevin	MEE	Veenstra, Monique
GCO	Gerringa, Loes	MEE	Dapper, Rob	MEE	Veer van der, Henk
GCO	Gieles - Witte, Rineke	MEE	Dekinga, Anne	MEE	Velde van der, Egbert
GCO	Greinert, Jens	MEE	Dekker, Rob	MEE	Velilla Perdomo, Estefania
GCO	Grove, Graig	MEE	Dijk van, Mark	MEE	Verhoeven, Mo
GCO	Koho, Karoliina	MEE	Drent, Jan	MEE	Walraven van, Lodewijk
GCO	Korte, Laura	MEE	Duijns, Sjoerd	MEE	Waser, Andreas
GCO	Koster, Bob	MEE	Duineveld, Gerard	MEE	Watmough, Thalia
GCO	Laan, Patrick	MEE	Folmer, Eelke	MEE	Weerlee van, Evaline
GCO	Mezger, Eveline	MEE	Fouw de, Jim	MEE	Welsh, Jenni
GCO	Mienis, Furu	MEE	Gils van, Jan	MEE	Witbaard, Rob
GCO	Munday, Christopher	MEE	Goedknegt, Anouk	MEE	Witte, Hans
GCO	Nooijer de, Lennart	MEE	Haastreicht van, Eline	MEE	Zee van der, Els
GCO	Ooijen van, Jan	MEE	Hoek van der, Joost	MRF	Haas de, Henk
GCO	Ossebaar - Crayford, Sharyn	MEE	Holthuijsen, Sander	MRF	Koning, Erica
GCO	Reichart, Gert Jan	MEE	Horn ten, Job	MTE	Asjes, Sander
GCO	Stadnitskaia, Alina	MEE	Hout van den, Piet	MTE	Cluderay, John
GCO	Steinhardt, Juliane	MEE	Jouta, Jeltje	MTE	Eveleens, Mark
GCO	Stigter de, Henko	MEE	Jung, Sarina	MTE	Franken, Henk
GCO	Stuut, Jan-Berend	MEE	Klunder, Lise	MTE	Groenewegen, Ruud
GCO	Tjallingii, Rik	MEE	Koolhaas, Anita	MTE	Laan, Martin
HRM	Dapper, Rob	MEE	Krieg, Annamarie	MTE	Lenting, Walther
HRM	Evers, Jolanda	MEE	Lavaleije, Marc	MTE	Maarseveen van, Frank
HRM	Honkoop, Pieter	MEE	Leerink, Thomas	MTEC	Smit, Marck
HRM	Kuip, Theo	MEE	Lehmpfuhl, Viola	MTI	Bakker, Roel
HRM	Moerbeek - Sikma, Sigrid	MEE	Loonstra, Jelle	MTI	Boekel, Herman
HRM	Mulder - Starreveld, Joke	MEE	Luttikhuizen, Pieterella	MTI	Heerwaarden van, Johan
HRM	Smidt, Marjolijn	MEE	Lyashevskaja, Olga	MTI	Keijzer, Edwin
HRM	Tuinen van, Hans	MEE	McSweeney, Niamh	MTM	Bakker, Marcel

MTM	Blom, Jan	YES	Guitton le, Marie	YMM	Vasquez Cardenas, Diana
MTM	Boersen, Barry	YES	Hidalgo Martinez, Silvia	YMM	Vlaming, Jetta
MTM	Boom, Lorendz	YES	Knuijt, Adri	YMM	Waanders, Jethro
MTM	Gieles, Sieme	YES	Meysman, Filip	YMM	Wijnholds - Vreman, Anita
MTM	Grisnich, Piet	YES	Moneta, Alessia	YMT	Avesaath van, Pim
MTM	Porto de, Harry	YES	Mulder, Lieke	YMT	Blok, Daniel Benjamin
MTM	Schilling, Jack	YES	Müller, Christina	YMT	Dekker, Angela
MTM	Visser de, Jan-Dirk	YES	Oevelen van, Dick	YMT	Engelberts, Anke
MTM	Witte, Yvo	YES	Rijswijk van, Pieter	YMT	Escaravage, Vincent
MTM	Wuis, Leon	YES	Rooze, Jurjen	YMT	Hoesel van, Olaf
SML	Adriaans, Ewout	YES	Seitaj, Dorina	YMT	Hummel, Christiaan
SML	Alkema, Peter-Roy	YES	Soetaert, Karlina	YMT	Hummel, Herman
SML	Boon, Wim-Jan	YES	Tramper, Anton	YMT	Kleine Schaars, Loran
SML	Breejen den, Iwan	YES	Veuger, Bart	YMT	Scott, Thomas
SML	Buisman, Theo	YES	Vossenbergh van de, Jack	YMT	Sistermans, Wil
SML	Coomans, Peter	YLA	Breugel van, Peter	YMT	Verburg, Adrienne
SML	Daalder, Klaas-Jan	YLA	Houtekamer, Marco	YMT	Vooren van, Remco
SML	Ellen, John	YLA	Maas van der - Maas, Yvonne	YMT	Wijnhoven, Sander
SML	Feij, Bram	YLA	Peene, Jan	YRE	Balke, Thorsten
SML	Fockema Andreae, Alle	YLA	Sinke, Jan	YRE	Beauchard, Olivier
SML	Greef de, Thomas	YLA	Zetten van, Cobie	YRE	Belzen van, Jim
SML	Haaren van, Joep	YMA	Endt van der, Anneke	YRE	Berg van den, Aniek
SML	Heesemans, Mat	YMA	Haazen, Lowie	YRE	Bouma, Tjeerd
SML	Heide van der, Roel	YMA	Herman, Peter	YRE	Cornacchia, Loreta
SML	Hiemstra, Fred	YMA	Houte van, Joke	YRE	Cozzoli, Francesco
SML	Jourdan, Mildred	YMA	Hulsteijn van - Laven, Elly	YRE	Daggers, Tisja
SML	Katwijk van, Rik	YMA	Jagt van der, Christine	YRE	Dalen van, Jeroen
SML	Kristalijn, Marinus	YMA	Megens, Jan	YRE	Gillis, Lucy
SML	Kuijt, Pieter	YMA	Sinke, Bert	YRE	IJzerloo van, Lennart
SML	Lips, Sietske	YMA	Wisse, Laura	YRE	Jager de, Monique
SML	Maas, Sjaak	YMM	Bolhuis, Henk	YRE	Koppel van, Johan
SML	Puijman, Bert	YMM	Boschker, Eric	YRE	Liu, Quanxing
SML	Seepma, Jaap	YMM	Cardoso, Clara	YRE	Moons, Simeon
SML	Stevens, Cor	YMM	Confurius - Guns, Veronique	YRE	Nieuwhof, Sil
SML	Vermeulen, Gert	YMM	Cretoiu, Silvia	YRE	Oven van, Pim
SML	Vries de, Hein	YMM	Fan, Haoxin	YRE	Paoli, Hélène
SML	Vries de, Martien	YMM	Grego, Michele	YRE	Qi, Hui
SML	Zuidweg, Johan	YMM	Grosse, Julia	YRE	Schwarz, Chistian
YES	Brasser, Jurian	YMM	Hörnlein, Christine	YRE	Soelen van, Jos
YES	Brenner, Heiko	YMM	Kromkamp, Jacco	YRE	Soissons, Laura
YES	Burdorf, Laurine	YMM	Linde van der, Lilian	YRE	Wal van der, Daphne
YES	Engeland van, Tom	YMM	Ly, Juliette	YRE	Wielemaker, Annette
YES	Engelhard, Sarah	YMM	Moerdijk - Poortvliet, Tanja	YRE	Ysebaert, Tom
YES	Geelhoed, Jeanine	YMM	Silsbe, Gregory		
YES	Gerla, Daan	YMM	Stal, Lucas		