

Dutch-German Workshop on “Polar, coastal and marine systems in a changing world” on 06.03.2019

Location: Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
Am Alten Hafen 26, 27568 Bremerhaven
Building D, lecture hall

13:00-13:45 Arrival of workshop participants, registration and lunch (level 1).

13:45-14:00 Welcome & Introduction

14:00-15:00 Theme 1 *Arctic and Antarctic change*

coordinators: Corina Brussaard (NIOZ) & Markus Rex (AWI)

- Ice sheet dynamics and impact on ocean circulation (Femke de Jong, NIOZ & Angelika Humbert, AWI)
- The impact of sea- ice decline on polar ecosystems and biogeochemical cycles (Jaqueline Stefels, RUG & Hauke Flores, AWI)
- Permafrost (Han Dolman, VU & Gesine Mollenhauer, AWI)
- Linking the warm polar past and future (Stefan Schouten, NIOZ & Helge Goessling, AWI)

15:00-16:30 Theme 2 *Our coast* (with coffee break from 15:30-16:00)

coordinators: Piet Hoekstra (UU) & Maarten Boersma (NIOZ)

- Plastics traveling the world (Tjisse van der Heide, NIOZ & Melanie Bergman, AWI)
- Sea-level change from Polar Regions to the North Sea (Theo Gerkema, NIOZ & Klaus Grosfeld, AWI)
- Coastal ecology & sediment transport (Johan vd Koppel, NIOZ & Katrin Huhn, MARUM)

16:30-17:30: Theme 3 *The global carbon cycle and climate*

Coordinators: Gert-Jan Reichart (NIOZ) & Jelle Bijma (AWI)

- Calcifiers and the Biological Pump: Ocean acidification and other unknowns (Lennart de Nooijer, NIOZ & Björn Rost, AWI)
- (Paleo-) Constraints on carbon cycling (Jack Middelburg, UU & Heiko Pälike, MARUM)
- Marine biogeochemical cycles: Drivers of change (Rob Middag, NIOZ & Judith Hauck, AWI)