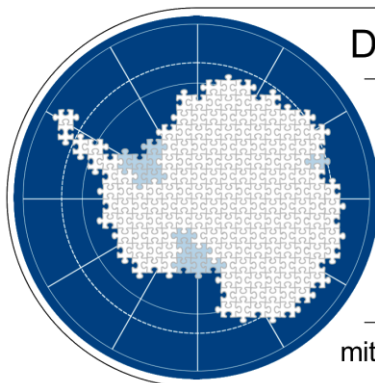




DFG-SCHWERPUNKTPROGRAMM 1158

# ANTARKTIS FORSCHUNG

mit vergleichenden Untersuchungen in arktischen Eisgebieten

## Poster

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### Koordinations-Workshop SPP 1158

(15.+ 16.09.2016, Hauptgebäude Universität, Aula, Universitätsplatz 1, 18055 Rostock)

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**Donnerstag, 15. September 2016**

**13:00-15:00 Uhr**

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|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>S. Berg</u> (Köln)                                                    | Compound specific radiocarbon dating of Antarctic sediments                                                                                                             |
| <u>S. Berg</u> (Köln)                                                    | Snow petrel stomach oil deposits ("Antarctic mumiyo") as archives for the environmental history of terrestrial East Antarctica                                          |
| B. Beszteri, M. Kloster, G. Kauer                                        | Southern Ocean diatom morphometrics supported by automated microscopy and image analysis                                                                                |
| S. Beszteri, präsentiert von <u>C. Dubischar</u> (Bremerhaven)           | Transcriptomic responses to iron limitation in Southern Ocean phytoplankton species                                                                                     |
| <u>C. Bock</u> (Bremerhaven)                                             | A genomic approach to the diversity and evolution of the Antarctic and sub-Antarctic nudipleuran families Tritoniidae and Pleurobranchidae (Gastropoda, Heterobranchia) |
| J. Boy (Hannover)                                                        | Phototrophic community succession as driver of mineral weathering and soil formation along chronosequences in maritime Antarctica                                       |
| <u>D. Bozzato</u> (Leipzig)                                              | The effect of climate change on the carbon balance between photosynthesis and respiration in planktonic and benthic microalgae                                          |
| <u>M. Braun</u> (Erlangen)                                               | Changes in ice dynamics for glaciers of the northern Antarctic Peninsula                                                                                                |
| J. P. Burrows, A. Bracher, präsentiert von <u>J. Oelker</u> (Bremen)     | Antarctic phytoplankton in response to environmental change studied by a synergistic approach using multi- and hyper-spectral satellite data (PhySyn)                   |
| <u>A. Cornils</u> (Bremerhaven)                                          | Molecular Phylogeography of Antarctic Copepods                                                                                                                          |
| L. Dietz, <u>F. Leese</u> (Duisburg-Essen)                               | Die Bedeutung für die Antarktis für den Ursprung und die globale Verbreitung der Asselspinnen (Pycnogonida), insbesondere der Familie Colossendeidae                    |
| <u>R. Dziadek</u> (Bremerhaven)                                          | Wärmestrom in der West Antarktis/Amundsen Sea                                                                                                                           |
| T. Ehlers, O. Eisen, C. Mayer, präsentiert von <u>R. Drews</u> (München) | COST-S2S                                                                                                                                                                |

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| <u>J. Freitag</u> (Bremerhaven), C. Redenbacher                                                             | Bubble distributions as markers for deformation in polar ice                                                                                                                                       |
| <u>S. Gschwendtner</u> (München)                                                                            | From single processes to cycles: Evolution of nitrogen turnover in terrestrial ecosystems of the maritime Antarctic                                                                                |
| <u>C. Havermans</u> (Bremen)                                                                                | Is the hyperiid amphipod <i>Themisto gaudichaudii</i> poised to displace krill in the warming region of the Southern Ocean?                                                                        |
| G. Heinemann, T. Jung, R. Timmermann, präsentiert von <u>R. Zentek</u> (Trier)                              | Quantifizierung der Meereisproduktion im südlichen Weddellmeer durch Synergie von numerischen Simulationen und Fernerkundungsdaten                                                                 |
| U. Karsten, B. Becker, B. Büdel, präsentiert von <u>M. Rippin</u> (Köln) und <u>N. Borchhardt</u> (Rostock) | Biological soil crust algae in the polar regions                                                                                                                                                   |
| <u>M. Kohno</u> (Göttingen)                                                                                 | Search for volcanic signatures of the Toba super-eruption recorded in EDML core                                                                                                                    |
| A. Lampert, präsentiert von <u>F. Pätzold</u> (Braunschweig)                                                | ALICE - Airborne tool for methane isotopic composition and polar meteorological experiments                                                                                                        |
| F. Leese, R. Melzer, präsentiert von <u>J. Dömel</u> (Duisburg-Essen)                                       | Speciation and Adaptation in Antarctic Sea Spiders                                                                                                                                                 |
| A. Levermann, präsentiert von <u>T. Albrecht</u> (Potsdam)                                                  | Simulations of the Antarctic Ice sheet through glacial cycles with PISM                                                                                                                            |
| A. Levermann, präsentiert von <u>T. Albrecht</u> (Potsdam)                                                  | Fracture-induced calving in the parallel ice sheet model                                                                                                                                           |
| A. Levermann, präsentiert von <u>T. Albrecht</u> (Potsdam)                                                  | Instability time-scales of Antarctic Outlet Glaciers from Similitude Analysis                                                                                                                      |
| <u>E. Maier</u> (Bremerhaven)                                                                               | Biogenic opal isotopes - new tool for evaluation of past nutrient cycling and hydrographic structure in the Pacific Southern Ocean in relation to climate and Antarctic cryosphere evolution       |
| J. Masello, präsentiert von <u>P. Quillfeldt</u> (Gießen)                                                   | How animals distribute themselves in space: energy landscapes of an Antarctic predator                                                                                                             |
| M. Menneken, T. John, A. Läufer, J. Berndt, J. Giese, präsentiert von <u>F. Lisker</u> (Bremen)             | Zircon as a recorder of geological history - preliminary results from Zircon Pb-Pb ages, chemistry and inclusion data of granitoids from the Wilson Terrane of northern Victoria Land (Antarctica) |
| R. Müller, A. Humbert, präsentiert von <u>J. Christmann</u> (Kaiserslautern)                                | On the need of finite strain for calving laws                                                                                                                                                      |
| M. Nicolaus, L. Kaleschke, M. Lehning, präsentiert von <u>L. Rossmann</u> (Bremerhaven)                     | Snow Cover Impact on Antarctic Sea Ice (SCASI)                                                                                                                                                     |
| C. Printzen, präsentiert von <u>E. Lagostina</u> (Frankfurt)                                                | Dispersal and genetic exchange of lichen populations between Patagonia and the Antarctic Peninsula (with a focus on human impact)                                                                  |
| P. Quillfeldt, präsentiert von <u>N. Küpper</u> (Gießen)                                                    | Heterothermy+torpor: energy saving strategies in storm-petrel nestlings                                                                                                                            |
| <u>T. Ronge</u> (Bremerhaven)                                                                               | The ventilation and circulation of the southern Indian Ocean on glacial/interglacial timescales                                                                                                    |
| <u>N. Rybalka</u> (Göttingen), T. Friedl, R. Godoy, J. Boy, R. Daniel                                       | Molecular survey of eukaryotic algae in various soil stages at a glacier forefield in Maritime Antarctica                                                                                          |

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| I. Sasgen (Bremerhaven)                                                                           | Geodetic and geomorphologic data assimilation into a coupled ice sheet / solid Earth model for separating present and past ice sheet behavior in Antarctica                |
| <u>M. Scheinert</u> (Dresden)                                                                     | Investigating Ice-Mass Balance and Glacial Isostatic Adjustment in the Amundsen Sea Sector, West Antarctica, by Geodetic Observations and Modelling                        |
| F. Steinbach, P. Bons,<br>präsentiert von <u>D. Jansen</u><br>(Bremerhaven)                       | Deformation and recrystallisation at the firn-ice transition - Microstructural simulations                                                                                 |
| <u>D. Storch</u> (Bremerhaven)                                                                    | Climate driven Antarctic invasion? Physiological impacts of temperature and hypoxia on life stages of reptant decapod crustaceans and implications for distribution shifts |
| <u>M. Toohey</u> (Kiel)                                                                           | eVolv2k: Ice core-based volcanic forcing of climate variability for the past 2000 years                                                                                    |
| D. Wagner, T. Scholten, P. Kühn, <u>C. W. Müller</u><br>(München)                                 | Microbial-mediated soil formation in maritime Antarctica under simulated environmental conditions                                                                          |
| D. Wagner, T. Scholten, P. Kühn, C. W. Müller,<br>präsentiert von <u>L.A. Meier</u><br>(Tübingen) | Microbial-mediated soil formation in maritime Antarctica under simulated environmental conditions                                                                          |
| <u>M. van Cappel</u><br>(Bremerhaven)                                                             | Sources and Variability of Weddell Sea Deep Water                                                                                                                          |
| K. Zacher (Bremerhaven)                                                                           | The impact of a changing environment on young macroalgal stages and communities                                                                                            |
| D. Zitterbart, präsentiert von<br><u>S. Richter</u> (Erlangen)                                    | Physikalische Grundlagen des Kollektivten Verhaltens von Kaiserpinguinen                                                                                                   |
| M. Zundel, C. Spiegel, K. Gohl, N. Kaul, <u>F. Lisker</u><br>(Bremen)                             | Interrelations of tectonic deformation and surface erosion with West Antarctic Ice Sheet dynamics                                                                          |