

**AWIPEV Introduction Seminar**  
**Part 1, 26./27. Jan. 2016**  
**Alfred-Wegener-Institut, Bremerhaven**  
**Haus D, Hörsaal (Lecture Hall)**

**26. Jan. 2016:**

14:00 General:

- Welcome
- AWIPEV and Ny-Aalesund Flagship Programmes in 2016 (**R. Neuber**)

14:15 Geophysics:

- 2016 French Research at AWIPEV ( **P. Morin**, IPEV):
- POLARLIS: POLARisation of the thermospheric Red Line In Svalbard (J. Lilensten, Laboratoire de Planétologie de Grenoble, CNRS & Univ. Grenoble, **P. Morin**)
- PRISM: Permafrost Rock Ice and Snow Monitoring in the Austre Loven glacier basin (Svalbard). F. Tollé, Lab. Thema, CNRS & Univ. Franche Comté, **P. Morin**)
- ARCSNOW: Long-term interactions between snow and the atmosphere in the Arctic. (H.W. Jacobi, LGGE, CNRS & Univ. Grenoble, **P. Morin**)

15:00 Biology:

- Arctic under multiple stressors II - Combined effects of ocean acidification and light on Arctic phytoplankton assemblages (KOP 151) (**C. Hoppe**, AWI)
- Biogeochemistry of carbon, iron and sulfur cycling in West-Svalbard fjords (**C. Arnosti**, U. Aarhus)
- Production in the Twilight Zone: the role of DOM in supporting the productivity of the polar night (**A. Waite**, A. Fong, AWI)
- Ornitho-Endocrino: Physiological and fitness consequences of emerging contaminants exposure in arctic seabirds (O. Chastel, CNRS & Univ. La Rochelle, **P. Morin**)

16:00 Coffee

16:30 Biology cont'd

- Introduction KOL06: Biology of Arctic benthic algae (**Kai Bischof**, U. Bremen)
- Subproject KOL 06a: Physiological adjustment of carbon metabolism in Arctic kelps to seasonal and anthropogenic changes in the abiotic environment (**K. Bischof**, UB)
- Subproject KOL 06e: Seasonally-induced photoinhibition and temperature-driven changes in Arctic seaweeds: photosynthetic performance and composition (Francisco Gordillo / Carlos Jimenez, U. Malaga (presented by **K. Bischof**))
- Subproject KOL 06b: Kelp reproduction – from autumn to spring. Effects of season, winter warming and photoperiod on reproduction and recruitment success of Arctic kelps over the dark period (**Inka Bartsch / Katharina Zacher**, AWI)
- Subproject KOL 06c Seaweed primary production converted to food for suspension and bottom feeders: Ability of potential consumers to metabolize kelp-derived particulate matter of different seasons (**Lars Gutow**, AWI)
- Subproject KOL 06d: Connecting habitats the seaweed way: Effects of detached kelp on soft-bottom communities through storm disturbance and consumer attraction (Christian Buschbaum / Markus Molis, AWI)

19:00 Icebreaker at Havenhostel

**AWIPEV Introduction Seminar cont'd**  
**Part 1, 26./27. Jan. 2016**

**27. Jan. 2016:**

10:00 Biology cont'd

- News from the Underwater Observatory at AWIPEV (**Ph. Fischer**, AWI)
- AWIPEV-CO<sub>2</sub>: Monitoring of the carbonate chemistry at the AWIPEV underwater observatory (J.P. Gattuso, LOV Villefranche, CNRS & UPMC Paris)
- How to survive a trophic mismatch due to climate warming: a goose perspective (**M. Loonen**, U. Groningen)
- Effects of historical mercury pollution on immune parameters in barnacle goose goslings (**M. de Jong**, U. Groningen)
- Latitude-dependent variability and entrainment-capacity of circadian and seasonal cycles in *Calanus finmarchicus* (**S. Haefner**, AWI)

11:30 Coffee

11:45 Biology cont'd

- Hypolithic communities in the Polar Regions: Biodiversity and functional ecology in a changing world (**A. Donner**, U. Rostock)
- The ecological dimension of cancer - patterns of neoplasia in Arctic bivalves (**M. Wegner and C. Buschbaum**, AWI)

12:15 Atmosphere:

- Microwave observations of stratospheric trace species within the scope of the NDACC (**N. Ryan**, U. Bremen)

12:30 Lunch

14:00 Atmosphere cont'd

- Longterm Observations of Surface and Upper-Air Meteorology at AWIPEV and the New DFG Project 'AC<sup>3</sup>' on Arctic Amplification (**M. Maturilli**, AWI)
- Synergistic long-term observations of vertically resolved cloud properties using a novel microwave radiometer/radar for Arctic clouds at AWIPEV (**K. Ebell**, U. Cologne)
- Update on current and future aerosol Measurements at AWIPEV (**Chr. Ritter**, AWI)
- Investigation of emerging persistent organic pollutants in the Arctic (**Z. Xie**, HZG)
- Single particle analysis of Black Carbon in Snow (BlaCkSnow) (**H. Schulz**, AWI)
- ARCTISO: Monitoring surface water vapour isotopic composition at Ny Alesund (V. Masson-Delmotte, LSCE, CNRS & UVSQ, presented by **P. Morin**)

16:00 Geophysics cont'd

- Assessment of Snow and Ice Reflectometry based on In-situ and Satellite data - 2016 campaign (**M. Semmling**, GFZ)
- C3: Coasts under Climate Change in Kongsfjorden (**D. Mercier**, U Paris IV – Sorbonne)

16:30 Coffee & Discussions

19:30 Dinner (by invitation)