

AWIPEV Science Introduction Seminar

Alfred-Wegener-Institut, Bremerhaven

Wegener Haus (Haus D)

19. February 2019

Location: Hörsaal

09:00 General and AWIPEV Logistics:

- Welcome (D. Mengedoht)
- AWIPEV Science News (Team, Flagships, SIOS, Ny-Aalesund Research Strategy, ... (R. Neuber)
- AWIPEV Logistics 2019 (Gregory Tran)

10:30 Geophysics:

- French Research projects at AWIPEV (D. Fleury, IPEV)
- Snow – atmosphere interactions (H.-W. Jacobi, IGE Grenoble)

11:30 – 11:45 Coffee Break

11:45 Biology:

- Bottom-up and top-down effects on Arctic primary production under climate change (KOP 151) (C. Hoppe, AWI)
- AWIPEV Kongsfjorden Under Water Observatory (Ph. Fischer, AWI and J.-P. Gattuso, Obs. Villefranche)
- CLIMARCTIC (KOP 175) (K Pushkareva, U. Rostock)

12:30 Lunch

13:30 Biology: The Arctic seaweed ecology and physiology

- Introduction to KOL06 (Kai Bischof, U. Bremen and I. Bartsch, AWI)
- 6a: Life strategies and abiotic stressors (K. Bischof, UB)
- 6b: Kelp population biology (I. Bartsch, AWI)
- 6c: Macroalgae detritus (B. Lebreton, U. La Rochelle)
- 6d: Detached seaweeds (C. Buschbaum, M. Molis, AWI)
- 6e: Photoinhibition and temperature effects (F. Gordillo, C. Jimenez, U. Malaga)

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14:30 Biology cont'd

- Organic matter in Permafrost soil (KOP171, J. Rethemeyer, U. Cologne)
- Geese on Arctic tundra (M. Loonen et al., U. Groningen)

15:00 Coffee break

15:15 Atmosphere

- Atmosphere Observations 2019 (R. Neuber, AWI)
 - AC3 / AFLUX campaigns
 - Contributions to MOSAiC
 - Aerosols & Clouds and tethered balloons
 - Meteorological Long-Term Observations
- Long-term measurements of atmospheric trace gases at the AWIPEV station (M. Buschmann, U. Bremen, tbc)
- SYNCLOUD: Cloud properties using a novel microwave radiometer/radar for Arctic clouds (K. Ebell, U. Cologne)
- ePOP Arctic updates (KOP 141, Z. Xie, HZG)

16:15 Crosscutting projects

- Uni Oldenburg Student research project (Kleyer et al.)
- tbd

16:45 Discussions, individual needs and requests to the station

18:00 Adjourn

18:30 Dinner