

Conference Program for 3rd Year of Interdisciplinary Ph.D. Polar Study
in IO PAN, Sopot, 22-26 January 2018

All lectures and seminars by prof. dr hab. Jacek Piskożub

22 January (Monday)

9:30 – 11:00 Lecture: Climate change in Polar regions

11:00 – 12:30 Lecture: Arctic amplification

12:30 – 14:00 Lunch

14:00 – 15:30 Lecture: Ocean and global warming

23 January (Tuesday)

9:30 – 11:00 Lecture: Climate relevant atmospheric gases (carbon cycle, CO₂, methane, DMS)

11:00 – 12:30 Seminar: Ph.D student presentations* and discussion

12:30 – 14:00 Lunch

14:00 – 15:30 Lecture: Aerosols: great unknown in climate science

24 January (Wednesday)

9:30 – 11:00 Lecture: North Atlantic – a climate forge (overturning meridional circulation)

11:00 – 12:30 Ph.D student presentations* and discussion

12:30 – 14:00 Lunch

14:00 – 15:30 Lecture: Climate alphabet soup (AMO, NAO, PDO, ENSO)

25 January (Thursday)

9:30 – 11:00 Lecture: Earth system climate machine (geological time scale variability)

11:00 – 12:30 Ph.D student presentations* and discussion

12:30 – 14:00 Lunch

14:00 – 15:30 Lecture: The Ice Age we live in (orbital variability)

26 January (Friday)

9:30 – 11:00 Lecture: Sudden climate change (deglaciation, “suborbital” variability)

11:00 – 12:30 Lecture: Holocene: climate, ocean and civilization, (solar “constant” and volcanism)

12:30 – 14:00 Lunch

14:00 – 15:30 Seminar: Wrapping-up discussion

*Presentations are expected to be related to the theme of the planned Ph.D. Thesis and any climate related aspects (both climate change itself and its consequences). The aim is to make it possible to discuss the processes studied in KNOW with climate science. The presentation length should be 15-20 minutes.