Workshop on
Warm Arctic Ocean:

Towards a comprehensive review of a warm Arctic state

DMI

5 – 6 December 2016

Expected outcome

- Defined steps needed to produce
  - a scientific review paper
  - forming a visible session at a major conference

Program and invitees

- Paleo time scales
  - Holecene, Eem
    - Svend Funder (retired), Natural History Museum of Denmark
    - Kurt Kjær, Natural History Museum of Denmark
- Past century until today
  - Warming in the 30ties
  - Current trends, detection and attribution aspects
    - Timo Wihma, Finish Meteorological Institute
    - Dirk Notz (via Skype), Max Planck Institute, Hamburg
- From now and into the future
  - What does it take to remove the sea-ice?
  - When will the Artic become ice-free/dominated by open water?
    - Wieslaw Maslowski, Naval Postgraduate School, Monterey, California

Program details

- 5th December
  - 11:30 Welcome + agenda
  - 12:00 Lunch (provided)
  - 13:00 Paleo time scales
    - Funder (TBD) 45 mins
    - Kjær (TBD) 45 mins
    - Contributed talk 1
    - Contributed talk 2
    - Contributed talk 3
    - Contributed talk 4
  - 15:30 Coffee
  - 16:00 Discussions
    - Lead by NN
  - 17:30 End of day

  - 19:00 Dinner down town

Program details

- 6th December
  - 9:00 Recent past
    - Vihma: Two-way interactions between the Arctic and mid-latitudes: observations and mechanisms
    - Notz via Skype (TBD)
    - Contributed talk 1
    - Contributed talk 2
  - 10:45 Coffee
  - 11:00 Discussions
    - Lead by NN
  - 12:00 Lunch
  - 13:00 Future
    - Maslowski: The Role of Oceanic Forcing in the Decline of Arctic Sea Ice: Past, Present and Future
    - Christensen et al.: Can 1.5°C prevent the loss of summer sea ice?
    - Contributed talk 2
  - 14:15 Coffee
  - 14:30 Discussions
    - Lead by Shuting Yang, DMI
  - 15:00 Ways forward
    - Discussions
      - Lead by Jens Hesselbjerg Christensen, DMI
    - Actionable next steps towards review paper
      - Identified by Peter Langen, DMI
  - 16:00 End of workshop