

Programme of the 3rd CRAICC-PEEX Workshop

Agenda

Monday - 24 August 2015

08h30 **Registration (DMI reception desk: getting id, badge, folder, wi-fi access)**

- 09h00: Welcome from DMI & practical info moments - *Ole Krarup Leth (Danish Meteorological Institute)*
- 09h20: Pan-Eurasian Experiment (PEEX) from the System Understanding of the Arctic-boreal regions for scenarios and assessments of the Northern Pan-Eurasian environments (30 min) – *Hanna K. Lappalainen (University of Helsinki)*
- 09h50: WMO Global Atmosphere Watch (GAW) and World Weather Research Programme (WWRP) research for the Arctic (30 min) – *Alexander Baklanov (World Meteorological Organization)*

10h20 - 10h50 *COFFEE BREAK*

- 10h50: Record low sea ice concentration in the central Arctic during the summer of 2010 (40 min) – *Jinping Zhao (Inv Keynote Speaker; Ocean University of China)*
- 11h30: Satellite monitoring of Arctic sea ice (20 min) – *Leif Toudal Pedersen (Danish Meteorological Institute)*

11h50 – 13h00 *LUNCH --- DMI kantinen*

joint photo of workshop participants

- 13h00: Satellite microwave observations and investigations of extreme events in the Arctic (40 min) – *Elizaveta Zabolotskikh (Inv Keynote Speaker; Russian State Hydrometeorological University)*
- 13h40: Contribution of Arctic shipping to the atmospheric concentrations and deposition of pollutants in the Arctic (20 min) – *Jesper Heile Christensen (Aarhus University)*
- 14h00: Organizations shaping Arctic future: studying organizational decisions to produce applied predictions (20 min) – *Aleksei Shcherbinin (University of Helsinki)*
- 14h20: The connection between Southern ocean winds, meridional overturning and Indo-Pacific compensation (20 min) – *Markus Jochum (University of Copenhagen)*

14h40 – 15h10 *COFFEE BREAK*

- 15h10: **Warmup Discussions:** (1h 50 min) Climate Change for Arctic Seas and Shipping; PEEX-Infrastructure and observations for northern and Arctic regions; PEEX Modelling Platform – for Arctic domain studies /multi-scale modelling, sea-ice-ocean modelling, etc./, ...opportunities for funding in Horizon-2020, NordForsk, national funding – possibilities of collaboration within the Pan-Eurasian EXperiment activities (PEEX Science Plan), ...

17h00 **Ice-Breaking-Party**

Discussions – continued

19h00 **Day 1 – END**

Tuesday - 25 August 2015

09h00-09h30 **Registration (continued)**

- 09h30: Peter Lang Langen, DMI – Tutorial – Part I (1 h)
Climate modeling in the Arctic

10h30 – 11h00 *COFFEE BREAK*

- 11h00: Peter Lang Langen, DMI – Tutorial – Part II (1 h)
Modeling and observations of sea ice

12:00h00 – 13h00 *LUNCH --- DMI kantinen*

- 13h00: Ice service for ship traffic and oil exploration in ice covered areas (20 min) – *Nicolai Kliem (Danish Meteorological Institute)*
- 13h20: How do we estimate the climate impact on the Arctic due to long range transported particles from shipping emissions? (20 min) – *Adam Kristensson (Lund University)*
- 13h40: Earth System simulations of Arctic region in CRAICC (20 min) – *Risto Makkonen (University of Helsinki)*
- 14h00: Ocean and sea ice modelling for Arctic shipping (20 min) – *Mads Hvid Ribergaard (Danish Meteorological Institute)*

14h20 – 14h50 *COFFEE BREAK*

- 14h50: Sea ice research supporting safe and efficient shipping in the Arctic (20 min) – *Jari Haapala (Finnish Meteorological Institute)*
- 15h10: Arctic shipping activities and possible consequences for the regional climate (20 min) – *Andreas Massling (Aarhus University)*
- 15h30: Enviro-HIRLAM black carbon modelling for Northern Europe and Arctic (20 min) – *Alexander Kurganskiy (University of Copenhagen/ Russian State Hydrometeorological Institute)*

15h50: **Final Discussions** (50 min) - discussions (status of the pilot themes/submitted proposals/new calls/next workshop/other issues)

16h40: **Outcomes and Concluding remarks** (20 min) - Summary

17h00: **Day 2 – END**
Workshop End