

## North Water Polynya conference in Copenhagen 22.-24. November 2017

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### Wednesday the 22nd of November

09:00-10:00 Coffee and registration (60 min)

10:00-10:15 Official opening of the NOW conference By Anders Mosbech

#### *Physical oceanography and Holocene changes*

10:15-10:45 **Key note speaker: Søren Rysgaard** - Climate change, carbon cycling and air-sea exchange

10:45-11:15 **Key note speaker: C.J. Mundy** - Sea Ice dynamics including the ice bridge formation

11:15-11:30 **Dany Dumont** - The North Water ice bridge shape and life cycle variability

11:30-11:45 **Till Soya Rasmussen** - The representation of the North Water in coupled ocean and sea ice models

11:45-12:00 Available slot

#### **Lunch (60 min)**

13:00-13:30 **Key note speaker: Sofia Ribeiro** - The last 4000 years

13:30-13:45 **Audrey Limoges** - Late Holocene Changes in Primary Production and Sea-surface Conditions in the North Water Polynya

13:45-14:00 **Thomas A. Davidson** - Greening the high Arctic: When and how have seabirds transformed the fresh waters of the NOW polynya?

14:00-14:15 **Martin Appelt** - How can historical and archaeological records be used as proxies of the Dynamics of the North Water Ecosystem?

14:15-14:30 Available slot

#### **Coffee (30 min)**

#### *Marine productivity and food web studies*

15:00-15:30 **Key note speaker: Louis Fortier**

15:30-15:45 **Igor Eulaers** - The use of ecogeochemical tracers to quantify food web dynamics in the Northwater region

- 15:45-16:00 **Mathieu LeBlanc** - Importance in the timing of the North Water (NOW) polynya formation for polar cod *Boreogadus saida* and its zooplankton prey.
- 16:00-16:15 **Jean-Éric Tremblay** - Is the North Water still a biologically productive oasis?
- 16:15-16:30 **Eva Friis Møller** - Plankton dynamics in the NOW and Northeastern Baffin Bay
- 16:30-16:45 **Mikael Sejr** – Identifying climatic drivers of range expansion of a boreal species into the North Water
- 16:45-17:00 Available slot
- 18:00-?? **Dinner & Posters**

## Thursday the 23rd November

### ***Populations of Marine mammals, birds and fish***

- 08:30-09:00 **Key note speaker:** Mads Peter Heide-Jørgensen - Overview of the populations and assessing sustainability of current use of living resources and new potentials
- 09:00-09:15 **Rikke Guldborg** - Narwhals in NOW and NEW
- 09:15-09:30 **Anders Mosbech** – Little Auks and Thick-billed Murres in the NOW and Baffin Bay
- 09:30-09:45 **Eva Garde** – The Walrus in Smith Sound

### **Coffee (30 min)**

- 10:15-10:30 **Kasper Lambert Johansen** - The Piniariarneq project: Inughuit hunters map their important hunting areas
- 10:30-10:45 **Kurt K. Burnham** - Status of Peregrine Falcon and Gyrfalcon populations in northwest Greenland
- 10:45-11:00 **Jesper Boje** – Fisheries in the northern Baffin Bay and its future potential
- 11:00-11:15 Available slot

### **Lunch (60 min)**

### ***Human stressors***

- 12:15-12:45 **Key note speaker: David Boertmann & Tom Christensen** - Anthropogenic stressors in the NOW – today and in the future

- 12:45-13:15 **Key note speaker: Rune Dietz** - How the traditional lifestyle and diet in the Northwater region are challenged by long-range pollution
- 13:15-13:30 **Mette Frost** - Modelling oil spill trajectories in Melville Bay and the North Water Polynya
- 13:30-13:45 **A Gaden** - Petroleum hydrocarbons in Baffin Bay sediment and sea stars
- 13:45-14:00 **Erin Keenan** - Tools for Marine Conservation Planning in the Eastern Canadian Arctic
- 14:00-14:15 **Jennifer Burnham** - Status of Mercury Concentration in Twenty-four Bird Species in Northwest Greenland
- 14:15-14:30 **Line A. Kyhn** - Effects of seismic surveys on marine mammals in Baffin Bay and Greenland regulation
- Coffee (30 min)**
- 15:00-16:00 **The future of the NOW - introduction to the round table discussion**
- 16:00-18:00 **Round table discussion** Debate on future perspectives
- 19:00-??** **Banquet**