



Geodatastyrelsen

ARHC 13 - Open Forum Climate & Hydrography

**05th September 2023
Hotel Hans Egede, Nuuk**

Theme & Titel

09:00 - 09:15

Opening Remarks

Presenters

Erik Jensen

Minister for Housing & Infrastructure (Government of Greenland)

09:15 - 10:00

Monitoring of unstable slopes in Uummannaq Fjord System

Jonas Petersen, Eva Mätzler

Greenlandic Ministry of Mineral Resources and Justice

Since the tragic event of the 2017 rock avalanche in Karrat Fjord, the Greenland Government has initiated monitoring activities in the region, where several big unstable slopes still challenge safe living conditions for the local population. In 2022 the first natural hazard monitoring system ever in Greenland was installed, and during summer 2023 another monitoring system installation is planned. Ongoing observations and surveys allow to define the geological model, which is used to carry out landslide scenarios and tsunami models with potential run up heights in the villages. For carry out reliable risk assessments, detailed and accurate bathymetric information is key.

10:00 - 10:15

Coffee Break (provided)

10:15 - 11:00

Climate Change and Ice Charting in Greenland

Adrian Lema

Director, National Centre for Climate Research (DMI)

Climate change in the Arctic region is occurring at a higher pace than anywhere else on Earth. The warmer climate causes a range of changes, affecting conditions both on land and at sea. This talk will present an overview of Arctic climate change and its potential societal impacts in and around Greenland, and how models in combination with atmospheric, oceanic and hydrographic data is used to assess the climate system.



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11:00 -11:45

Marine Life and Climate Change in Nuup Kangerlua

Kjetil Thorvaldsen
DTU Aqua, Oceans and Arctic

Interactions between cod, capelin and zooplankton in different ice coverage scenarios - and the potential impacts of climate change in Nuup Kangerlua.

11:45 -12:15

Introduction to PAME as WG of the Arctic Council

Katrine Nissen
Chair PAME,
Dep. Director Environmental Protection Agency (DK)

Introduction to the Arctic Council Protection of Arctic Marine Environment (PAME) Working Group, and a brief background of the Arctic Council Working Structure

12:20 - 13:10

Lunch (provided)

Transport (provided)

13:25 - 14:15

Guided tour at Ilisimatusarfik (Greenland University)

Per Arnfjord
Head of Internationalization Ilisimatusarfik

Introduction to the work and study life at Ilisimatusarfik.



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Transport (provided)

14:30 - 15:45

Visit and guided tour at the Joint Arctic Command

Danish Defence

Introduction to Search & Rescue, Climate Change and Safety of Navigation in the Arctic

16:00 - 18:00

Boat trip around the fjords surrounding Nuuk (limited space)

Nuuk Water Taxi