

PROGRAM

Colloquium on Norwegian Research Activities within the International Ocean Discovery Program (IODP)

29TH - 30TH OCTOBER 2018



GEOLOGICAL
SURVEY OF
NORWAY
• NGU •

LOCATION:
GEOLOGICAL SURVEY OF NORWAY, TRONDHEIM
For more information: www.ngu.no/iodp

AGENDA: DAY 1 - OCTOBER 29TH

09:00-09:30 Registration and Coffee
 09:30-09:40 **Welcome to NGU** (Myhr)
 09:40-10:10 **IODP-ECORD-ESSAC activity and outlook** (Engelhardt, Kleiven)

SESSION 1 RESEARCH BASED ON SCIENTIFIC DRILLING IN HIGH NORTHERN LATITUDES

10:10-10:30 **What controls the architecture of continental rifted margins?** (Buiter)
 10:30-10:50 **Shallow stratigraphic cores – a geological journey through time** (Mørk)

Coffee Break

11:10-11:30 **Drilling for high-resolution investigations of previous warm periods** (Jansen)
 11:30-11:50 **Quaternary evolution of the northern North Sea** (Batchelor)

Lunch

12:50-13:10 **Sea ice expansion in Nordic Seas during the Pliocene** (De Schepper)
 13:10-13:30 **PACT – Pliocene Arctic Climate Teleconnections** (Knies)
 13:30-13:50 **The Decahedrella-event in ODP Hole 909C – Miocene stratigraphic and paleoclimatic interpretations across the Fram Strait** (Schreck)
 13:50-14:10 **The Plio-Pleistocene ACEX (Expedition 302) record revisited** (Vogt)

Coffee Break

SESSION 2 RESEARCH FROM RECENT DRILLING OPERATIONS

14:30-14:50 **The West Antarctic ice sheet history: IODP Expedition 374 to the Ross Sea** (Laberg)
 14:50-15:10 **Abrupt changes in the ocean tunnel and abrupt climate changes** (Ninnemann)
 15:10-15:30 **Mid-Pliocene history of Australian climate: Insights from NW Australian shelf (IODP Expedition 356)** (Baranwal)

Coffee Break

16:00-16:20 **Preliminary results from IODP Expedition 381: Development of the active Corinth Rift, Greece** (Pechlivanidou)
 16:20-16:40 **East Greenland ice sheet variability and thresholds through late Pleistocene interglacials** (Irvali)
 16:40-17:00 **Cenozoic ocean temperature changes investigated with clumped isotope thermometry** (Meckler)

17:00-
 open end: Mingling and Pizza at NGU

AGENDA: **DAY 2 - OCTOBER 30TH**

09:00 Morning coffee and waffles

SESSION 3 NEW AND PLANNED DRILLING OPERATIONS IN HIGH NORTHERN LATITUDES – PART I

09:20-09:45 **Deep ocean drilling initiatives on the West Greenland margin** (Knutz)
09:45-10:10 **The opening of the Arctic-Atlantic gateway: IODP Full proposal #934** (Geissler)
10.10-10.35 **The nature, cause, and climate implications of excess magmatism during the NE Atlantic continental breakup** (Planke)

Coffee Break

SESSION 4 THE FUTURE OF IODP NORWAY

11:00-12:30 **Plenum Discussion** led by Engelhardt, Kleiven, Forwick

Lunch

SESSION 5 NEW AND PLANNED DRILLING OPERATIONS IN HIGH NORTHERN LATITUDES – PART II

13:30-13:55 **Pleistocene evolution of Arctic gas hydrates and fluid flow system – IODP pre-proposal #935** (Plaza Faverola)
13:55-14:20 **IODP Pre-proposal #915: FANA – Fjord sediment archives in the NE North Atlantic** (Giraudeau)
14.20-14.45 **The Quaternary succession in the North Sea and Norwegian Sea: Many excellent targets for IODP drillings** (Ottesen)

Coffee Break

15:00-15:35 **Exploring oceanic core complexes and carbon cycling at the ultraslow Arctic Spreading Ridge system – A Norwegian IODP proposal** (Bjerga/Stubseid)
15:35-16:00 **GoNorth – A new initiative for High Arctic research** (Sand)
16:00-16:15 **Summary, way forward** (Kleiven, Forwick)

16:15 End of conference