



**Cold-water Carbonates at high palaeolatitudes from the Palaeozoic to the Recent  
*Combining outcrops studies with core studies and geophysical imaging***

**June 10<sup>th</sup> to 13<sup>th</sup>, 2014, Denmark**

Conveners: Bodil Wesenberg Lauridsen<sup>1,2</sup> & Morten Bjerager<sup>2</sup>

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**PRELIMINARY MEETING PROGRAMME**

**Tuesday, June 10<sup>th</sup>, 2014: Workshop**

- 1 day of scientific talks at the University of Copenhagen (open session with up to 70 participants). Coffee, refreshment and lunch will be served at the University. Overnight stay in Copenhagen.
  - Welcome and presentation of the CoCARDE network
  - Carbonate mounds from the Palaeozoic of the Arctic (Greenland and Svalbard).
  - Cold-water carbonates from the Cretaceous of northern Europe.
  - Fossil coral and bryozoan mounds from the Palaeogene
  - Other carbonate mounds in the Cenozoic
  - Poster session incl. young researchers poster presentations

**Wednesday, June 11<sup>th</sup>, 2014: Cold-water carbonate core workshop and data acquisition methods**

- 1 day of cold-water carbonate core workshop and data acquisition methods with possible industrial collaboration (30 to 40 participants). Hosted at the Geological Survey of Greenland and Denmark. Coffee, refreshment and lunch will be served. Overnight stay in Copenhagen.
  - Hands on experience with Cretaceous reservoir carbonates of the North Sea.

**Thursday, June 12<sup>th</sup>, 2014: Field seminar in southern Denmark (30 to 40 participants)**

- Stevns Klint; a full day field seminar including a boat trip along continues exposure of bryozoan mounds at the 15 km long coastal cliff of Stevns Klint and a visit to the Stevnsfortet underground museum to view bryozoan mounds in 3D. The testing of geophysical equipment on the bryozoan mounds includes a wide range of seismic and georadar acquisitions which are described in Nielsen *et al.* (2004). Coffee, refreshment and lunch will be served. Overnight stay in Rødvig.
  - Upper Cretaceous deep-water carbonate reservoir analogues
  - K/T boundary mass extinction
  - Danian bryozoan mounds
  - A visit to the underground Stevnsfortet Museum
  - Geophysical data acquisition methods will be tested on the bryozoan mounds and comparison between geophysical data and outcrops will be presented

**Friday, June 13<sup>th</sup>, 2014: Field seminar and workshop closure**

- Faxe Quarry; a half day of field seminar to the Danian cold-water coral mounds of Faxe including a visit to the Geomuseum Faxe. The possibilities in “Drone-geology” will also be demonstrated. Coffee, refreshments and lunch will be served.
  - Cold-water coral mounds, bryozoan coral interplay, palaeoecological reconstructions and evolution.
  - Drone geology
  
- Workshop closure at Stevnsfortet Museum
  - Status of cold-water carbonates in the fossil and modern regime
  - Future Carbonate research in DK
  - Future CoCARDE initiatives