

# SCIENTIFIC PROGRAMME

2010 Nordic Geological Winter Meeting, 11-13 January, OSLO, Norway

## Endogenic Geosciences: Materials and Evolution

- Anorogenic and rift-related magmatism and volcanism
- Fennoscandia
- Arctic and Antarctic geology
- Minerals from core to outer space
- Metamorphic processes
- Impact craters
- Caledonides
- NE Atlantic plate tectonic evolution - revisited
- Volcanic rifted Margins - what has been learned the last 25 years?

## Earth-Biosphere-Climate-Environment: Systems, Interactions and Evolution

- Glacial periods and cryogenic processes
- GeoBiology and Early Life
- Phanerozoic Stratigraphy and Palaeontology
- International Polar Year - New geoscientific results
- Palaeoclimatic change: proxy and model data, systems and triggers
- The Lower Paleozoic Succession in Scandinavia – A tribute to David L. Bruton

## Earth Resources: Exploration and management

- Conventional and Unconventional Energy Sources for the Future
- Minerals, Metals and Mankind
- Terrestrial heat flow: From Geodynamics to Society
- Environmental Impact and Challenges
- Hydrogeology
- CO2 storage

## Living with Geology: Geohazards and anthropogenic impact

- Geohazards – the Nordic perspective
- Risk assessment and management of geohazards
- Offshore, near-shore and coastal geohazards

## Petroleum Geoscience and Exploration

- Exploration in the mature petroleum provinces of the NE Atlantic region
- Research and exploration on the NE Atlantic margins
- New Frontiers: Petroleum Geology and Exploration in the Arctic

## Communicating Geoscience: Managing and Informing

- Databases, Reference collections, Archives and their retrieval
- Topical science and contact with the media
- Educating the Educators – means and motivation

## **INTERDISCIPLINARY SESSIONS**

ID:1) Fluid Processes

ID:2) Deformation Processes

ID:3) Data acquisition, Modelling and Visualization

ID:4) Scandinavian geodynamics: deep processes and surface response

ID:5) Continental Scientific Drilling in the Nordic countries

## **Workshops & Short courses**

- Geophysical tools and methods in petroleum exploration, production and reservoir characterization (post conference).
- Geological and paleontological data analysis (post conference)
- Modelling deformation and fluid processes (post conference)
- The future of geoscientific research – management, recruitment, funding and directions (conference afternoon arrangement)

The Scientific Committee for the 2010 Nordic Geological Winter Meeting:

Andreas Olaus Harstad, DNO International ASA (Chairman)

Tom Andersen, UiO

Henriette Linge, UiB/BCCR

Rune S. Selbekk, UiO/NHM

Fridtjof Riis, NPD

Karen Mair, UiO/PGP

Jakob Skogseid, StatoilHydro

Rognvald Boyd, NGU

Hans Arne Nakrem, UiO/NHM

Trond Torsvik, NGU/Center for Geodynamics/PGP

Donatella Mellere, A/S Norske Shell

Bjørn Kalsnes, NGI/ICG

Per Aagaard, UiO

Alvar Braathen, UNIS/CIPR