

Dear FORCE members

Force congratulate you all with a productive year in 2014, filled with high activities in network groups, at seminars and in projects. Our industry will always be faced with new challenges and has to adapt to changes all the time. We think that the Force organization in the coming years will play an even more important role in facilitating knowledge transfer and communication to meet these challenges. We wish you all a Merry Christmas and a prosperous new year.

Please find below updates from both the “Improved exploration” and the “Improved oil & gas recovery” organizations within FORCE.

Improved Oil & Gas Recovery

Force IOGR have two network groups, Improved EOR Competence and Late Field Life maximum recovery. The objective for the EOR competence network is to increase knowledge and share experiences for EOR, disseminate new technologies and ideas from the R&D institutes and service companies and to establish EOR professional network across company boarder. This network has organized two seminars in 2014. On May 26, we held a seminar with the objectives to increase knowledge and share experiences for EOR process modeling using conventional reservoir simulators. High quality presentations from both companies, academia and vendors were given to the 52 participants. The seminar on November 18 had 42 participants. The objective was to increase knowledge and share experiences for MEOR. The ambition for this network is to organize two seminars each year.

The network Late Life maximum recovery have had no activity in 2014. In October TC called for meeting with the network. It was concluded to reestablish the network with some new members. The new network is busy planning activities for 2015.

IOGR was challenged by the steering committee to organize a management seminar on behalf of Force. The topic was EOR for managers. Unfortunately the seminar had to be canceled due to low numbers of participants.

*Wishing you all the best
for the holidays and the new year!*

May the FORCE be with you – May you be with FORCE

Improved Exploration

The three network groups in Force Improved Exploration have had an active 2014 with nine seminar and workshops, where several seminars have had more than a hundred participants. The Sedimentology and Stratigraphy group's objective is to increase knowledge of sedimentology and stratigraphy in the NCS to enhance exploration and production activities. The group has organized a field trip to Gironde and the seminars "Barents Sea Upper-Palaeozoic Carbonates", "From Seismic Fantasy to Geological Fact", "The importance of diagenesis in exploration & production" and "Barents Sea petroleum system analysis".

The Geophysical Methods group's objective is to develop the awareness of the use of geophysical methods for enhancing exploration and production activities on the NCS. The group has organized the seminar "From Seismic Fantasy to Geological Fact" together with the sed/strat group and a lunch time seminar about full waveform inversion and volume interpretation.

The structural geology group's objective is to increase awareness and knowledge of structural geology on a local and regional scale, in order to improve exploration and production activities on the NSC. The group has organized a field trip to Iceland, and the seminars "The science behind..." and "Salt tectonics".

There are six active project groups within Improved Exploration, all are accepting late participants. The project group's scope is to impact exploration success and increase reserved in the producing fields. The basic idea behind the project groups is to create cross-licences' intercompany collaboration within exploration, EOR piloting and implementation.

Four projects are proposed: "RM3D Reservoir modelling" - a UiS research consortium in geologically focused Reservoir Modelling (RM3D), "Joint Drilling Program" - a Norway and UK cross-boundary initiative towards a climate motivated drilling operation in the North Sea, "GPlates – Improved Exploration Tool" - the project will amongst others deliver CEED ARC-GIS based data-sets and rotation model (Annual update) and a Global plate tectonic Atlas with a focus on the North Atlantic and the Barents Sea (Annual update), "Safari 3" - a Multi Phase Consortium Research Proposal from the Virtual Outcrop Geology Group and Partners, the theme for SAFARI 3 is populating the database with large volumes of new data.

Entering 2015, Force Improved Exploration have a seminar "Underexplored Plays" in April 8-9th and a Field trip to Oslo Graben in May 6-7th open for registration

Events – past and future

2014

February	Geophysical methods network lunch time seminar	Geophysical Methods Group
March	Barents Sea petroleum system analysis	
May	EOR Process Modeling workshop	EOR Competence group
May	The science behind...	Structural Geology Group
May	Field trip in Gironde estuary and Aquitaine coast	SedStrat network
June	Field course in structural geology – Iceland	Structural Geology Group
June	Barents Sea Upper-Palaeozoic Carbonates	
September	2014 From Seismic Fantasy to Geological Fact	Geophysical Methods and the SedStrat network
November	Salt Tectonics seminar	Structural Geology Group
November	MEOR - From theory to field implementation	EOR Competence Group
December	The importance of diagenesis in exploration & production	SedStrat network

2015

April	Underexplored Plays	SedStrat network
May	Field trip, Oslo Graben	SedStrat network

Plan to continue the geophysical methods network lunch meetings in 2015.

Projects:

In addition to the LoCRA, Late Triassic Barents Sea, GPLates, Safari III og Carboniferous – Barents Sea projects still open for late participants, Improved Exploration has two new project proposals open for sponsoring: RM3D and Joint Drilling Initiative.