



Christmas Newsletter  
from FORCE  
2017

## **Dear Force members**

2017 has been another great year for Force. Thanks to our hard working members, you have made 2017 so eventful with running projects, arranging seminars and coming together to discuss topics and make plans. Well done! We ended up at 14 seminars and 11 lunch&learns (fantastic!) with 1371 attendees, so it is safe to say that Force is a well running co-operating forum!

Looking back at the seminars of 2017, there has been a shift from having many two-day seminars with evening dinner, to more one-day seminars and lunch&learns. Attendees tell us that companies are holding back on travel and reducing costs, making one-day seminars and lunch&learns perfect for shorter and efficient knowledge-sharing.

We are now 43 companies that are members of Force, and we wish new members welcome. Plans for seminars are already well underway, and we look forward to continuing collaboration and sharing knowledge in 2018 and years to come.

Best wishes for a happy holiday season, and many thanks for your support to Force throughout the year.

Roar Kjelstadli, Aker BP

Lead Reservoir Engineer Valhall and Hod, and Chairman Force TC-IOGR

## **Best wishes for the from the TC-Improved Exploration**

The network groups in Improved Exploration have had an active 2017, with good attendance at our 9 seminars and 5 lunch&learns. The enthusiasm and good work will continue in 2018 within the Structural Geology, Geophysical Methods and Sedimentology and Stratigraphy groups. We urge the companies to dedicate time to give presentations at the Force seminars in order to better share information and to improve the quality. The Technical Committee will continue to facilitate a high activity level in Force.

The new network group, Basin and Petroleum Systems Modelling, is in the start-up process and the first meeting will be held early in 2018. We encourage Force members to nominate candidates to this new group.

During Spring of 2018, the network groups will offer a new field excursion to the Gulf of Corinth, arranged in collaboration with structural geologist Einar Sverdrup, who will be our field guide. The excursion gives an overview of the tectonic evolution and the sedimentological development of the Gulf of Corinth basin. In the environment of an active rift system, examples of fault block geometries, facies development and geological heterogeneities on various scales will be demonstrated. The field observations can be closely related to the Upper Jurassic development along basin margins on the Norwegian Continental Shelf.

We look forward to seeing you all at our seminars and field trips in 2018. Merry Christmas!

Laila Elisabeth Pedersen, Suncor  
Chairman FORCE TC-IE

## **Holiday wishes from the Improved Oil and Gas Recovery group**

*Yet another busy year is coming to an end. The three network groups, Improve EOR Competence, Production Optimisation and Reservoir Management and Integrated Reservoir Modelling, have been very active with a telling number of seminars, workshops and lunch&learn events. The events have been well visited and the feedback from the participants are exclusively positive.*

*The goal for next year is for each of the network groups to arrange 2-4 high quality events*

*One of the main topics for discussion for the TC IOGR group this year has been digitalisation. Digitalisation can be defined as the process to adopt digital technologies to increase commercial value by changing the business- and/or operational model. But how will digitalisation affect Force members and the way we work? What do we want from digitalisation? TC IOGR will arrange a lunch&learn presentation early next year to set the scene for a possible member workshop later in the year.*

*Merry Christmas!  
Eli Jens Høgnesen, NPD  
Force Secretariat and TC-IOGR*

## Seminars - Improved Oil & Gas Recovery

Feb. 14th	Smartwater EOR for NCS (40)
May 11th	Uncertainty handling in static-dynamic modelling workflows (113)
Sept. 13th	Reservoir surveillance and monitoring (59)
Oct. 16th	Simulation of EOR-process (25)
Nov. 2nd	Uncertainty handling in static-dynamic modelling workflows, part 2 (70)

### **Lunch and learn seminars**

Jan. 19th	The value of CO <sub>2</sub> – how can we utilize it? (24)
Jan. 24th	Water saturation modelling (72)
May 23rd	Wintershall Brage polymer associated surfactant flooding project (19)
Oct. 4th	Reflections on decision making in upstream oil & gas (28)
Dec. 12th	Reservoir modelling – a historical lookback (26)

## Seminars - Improved Exploration

Jan. 25 <sup>th</sup>	The use of broadband seismic (128)
Feb. 16 <sup>th</sup>	Cores of the year 2017 (73)
March 31 <sup>st</sup>	Basement fracturing and weathering on-and offshore Norway (20)
May 9 <sup>th</sup>	The science behind structural geology tools (Stavanger 24)
May 10 <sup>th</sup>	The science behind structural geology tools (Oslo 13)
May 24 <sup>th</sup>	Fault compartment seminar (74)
June 7 <sup>th</sup>	Frontier exploration workshop (67)
Sept. 27.-28 <sup>th</sup>	Predictive stratigraphy (46)
Oct. 17 <sup>th</sup>	Practical rock physics and inversion for exploration and production (151)
Oct. 19.-20 <sup>th</sup>	Triassic Park – understanding Triassic stratigraphic architecture and reservoir quality (83)

### **Lunch and learn seminars**

March 29 <sup>th</sup>	Wisting field: developing shallow reservoirs in the BS (56)
June 2 <sup>nd</sup>	Opportunities and challenges in the southern Norwegian Barents Sea (30)
June 7 <sup>th</sup>	Enhancing geomodels with LWD deep resistivity geosteering and reservoir mapping tools (33)
June 22 <sup>nd</sup>	Use of seepage and gas chimney detection in exploration (43)
Sept. 14 <sup>th</sup>	Provenance and correlation of hc reservoir sandstone using heavy mineral techniques (34)

Seasonal greetings  
from the  
FORCE Secretariat

*May the FORCE be with you – may you be with FORCE*