



# Greetings from the Secretariat

Dear FORCE member

Summer is soon here, and it is time to take a break and sum up the first half of 2023.

Even though we had record-high seminar attendance during the pandemic with webinars, many are happy that we can attend in-person seminars again. FORCE is about knowledge-sharing and networking, and sometimes the best conversations happen between seminar sessions.

So far, we have had 15 events, including one field trip to the University Museum of Bergen and Northern Lights development area, and a few more to come before we take a summer break.

Many of our members use their valuable time in FORCE to make it an exciting meeting place. Thank you! Communication, documents and plans are shared on our Basecamp platform, and we are happy to see that members talk to each other quite frequently as good ideas often come from good cooperation. The Secretariat appreciate when members contact us for practical questions and guidelines for planning meetings and events.

This summer we are proud to introduce our new newsletter! The new format looks more like a flyer with pictures and headlines that gives a better overview on what goes on in FORCE. You can also register for events directly from the newsletter. The best ambassadors are still You! Talk to your colleagues and spread the word in your organization. We have made it easy to share events by clicking the icons for e-mail, Facebook and LinkedIn on all our seminar pages.

Have a great summer everyone! See you again in the Fall.

Janka, Linn, Aslaug, Stig-Morten, Eli and Tone.



# Greetings from the IRM group

The network ended 2022 on a high with a two-day seminar aimed at sharing experience from Assisted History matching and Ensemble modelling in December where 88 people participated in person.

Following on from the seminar a workgroup has been established with the aim of generating a guideline for what data should be shared within a license for ensembles.

The group has participants from AkerBP, ConocoPhillips, Equinor, NPD, Petoro, PGNiG, Resoptima, TotalEnergies and WinterhallDea. Views vary greatly and it is not straight forward to land on something concrete that fits all assets and occasions, but there is good dialog adding understanding of needs and possibilities.



Aquifer modelling (10 May 2023)



# Greetings from the IRM group

Here is a summary of events so far for 2023 and events either announced or in planning:

- 13 April – cake & discuss – Practical Geomodelling: the structural framework. This is a new knowledge sharing format for our network, where this was the first event in a multi-part discussion series on Practical Geomodelling. The participants (15) were divided into small groups covering varying experience levels and given several practical modelling issues to discuss and then share with the wider group.
- 26 April – lunch & learn – 43 people attended “Curbing Optimism and Overconfidence Bias in Forecasting” by Prof. Reidar Bratvold (UiS).
- 10 May – lunch & learn – Aquifer Models. NPD and AGR have in collaboration build regional scale aquifer models for the Frigg-Heimdal and Troll area aquifers which are now ready to be published. These were presented to 53 attendees together with an industry perspective from Aker BP on their use. NPD encourages industry collaboration to improve these models.
- 23 May – lunch & learn – 52 people attended “A look back on 40 years of Reservoir Simulation” by Øystein Pettersen (UiB)
- 22 August – cake & discuss – Practical Geomodelling: Grid building.
- 7 November – cake & discuss – Practical Geomodelling: Property modelling.
- 1Q2024 – 2-day seminar on “Uncertainty Handling”. The organizing committee will start planning next month

On behalf of the wider IRM group,  
Trond Halvorsen Wierød, Chris Townsend, Sonja Kuhlmann, Marine Seignole and Sophie Haseldonckx



# Greetings from the SedStrat group

Hello everyone!

The SedStrat network has been busy in the past 6 months! First of all, we welcomed Elisabeth Hurst as deputy chair of the network – she has lots of energy and ideas and will help drive the network forward!

We held a tidal systems seminar before Easter and given the feedback of the attendees and speakers it was a great success. We learnt about new understanding of Tidal systems (the compound clinofom concept, diagnostic of vs. in agreement with sedimentary patterns of tidal systems); saw great examples of tidal systems on the NCS (Garn, Tilje + Cook Fms.); and had a great core session run by WintershallDea looking at the Garn + Tilje Formations from the Bergknapp discovery. We are looking at the possibility of a tidal systems seminar in 2024, so if you have any ideas for contributions then please get in touch!

After Easter we held a diagenesis seminar and core workshop, and again we had great feedback and success. We looked at diagenetic process and research (including virtual models for diagenesis and porosity preservation), understanding diagenesis for applications to CO2 storage and geothermal, and ended with a great core workshop looking at spiculites and micro quartz coatings in Intra-Draupne sands from Gudrun and chlorite grain coatings in the Agat sands in the Duva area. Thanks to Neptune, Equinor and Linda Bonnell and Rob Lander.

We are trying to plan a 'cores of the year' workshop for later this year; as well as several ideas for seminars next year and lunch & learn ideas for this year.

If you have any cores you think are super interesting or intriguing SedStrat ideas, then please get in touch!

Have a good summer break!

Thomas Uist, AkerBP – chairperson, SedStrat network





# Greetings from Management Committee

Dear FORCE members,

In the FORCE Management Committee (MC), we are grateful for the time and energy you put into the FORCE cooperation forum, and we are impressed with the activity level that you manage to maintain. Your openminded contributions ensure that we constantly improve collaboration between our companies, our institutions, and authorities and most importantly; we continue to learn from each other. This is for the real benefit for all of us working on the Norwegian Continental Shelf.

The FORCE cooperation forum has now been active for 28 years, and continue to play its role in the changing world and environment. Our climate is more vulnerable than ever, and we need to have even more focus on how we all can reduce our climate footprint, while still delivering the value creating and much needed hydrocarbon resources. We have established the Energy Efficiency & Environment committee, but kindly encourage all committees to have themes in mind that focus on how we can reduce our climate footprint. We don't get a 2nd change when it comes to our global climate.

On that note, we are happy to welcome our new member, Horisont Energi, which is already active with a many committee representatives.

In the FORCE MC, we are always keen to improve and support you in the best ways we can. So please continue to reach out if you have any issues you wish to discuss, or if you have improvement suggestions. We have MC meetings 4 times a year, where we also discuss issues raised by you and see how we can improve. For new TC Chairs/Vice and organisers, we kindly ask you to reach out to our FORCE Secretariat for onboarding on our guidelines and best practices.

Now we wish you all a good summer and thanks you all for yet another active half year.

Søren  
FORCE MC Chair



## Previous and upcoming events

- 19.01. Field Trip: Site visit to the Fluid Flow Rig at University Museum of Bergen
- 08.02. Webinar: Injection-induced earthquake activity in West Texas
- 14.02. Webinar: Field trip to Brent
- 23.03. Webinar: Organic chemostratigraphy of Lower–Upper Triassic organic-rich mudstones in Svalbard
- 28.03. In-person: Tidal Systems
- 28.03. Webinar: The Role of Geoscience in the Critical Evaluation of Subsurface Carbon Storage Sites
- 12.04. Webinar: Salt structure and strain development in the eastern Mediterranean, and Kurdistan Oil Field trapping mechanisms
- 13.04. In-person: IRM network group presents Cake & Discuss
- 18-19.04. In-person: Diagenesis seminar
- 26.04. In-person: Curbing Optimism and Overconfidence Bias in Forecasting
- 10.05. In-person: IRM network group presents Aquifer Models
- 11.05. In-person: Unravelling the Valhall Chalk Dense Zone Conundrum – Traditional vs. Innovative Interpretation
- 23.05. In-person: A look back on 40 years of Reservoir Simulation (from the man who knows)
- 24.05. Webinar/in-person: An Introduction to Supervised Machine Learning
- 31.05-01.06 In-person: Faults from seismic interpretation to geo-model and flow simulator
- 12.06 Webinar/in-person: Machine learning for time series and anomaly detection
- 22.06 In-person: JIP proposal – Mercury to understand the origin and ensure improved measurement and removal

Go here to sign up for upcoming events: <https://www.npd.no/en/force/events/>





The FORCE Secretariat wishes you a great  
summer holiday!

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

Kind regards,  
Linn, Janka, Aslaug, Eli, Stig Morten and Tone