

# Joining Forces to Recover More



## The National IOR Centre of Norway

Introduction November Conference, IOR Session, 2019-11-13

Ying Guo

The National  
IOR Centre  
of Norway

# The National IOR Centre of Norway (2014 – 2021)

Research  
Partners



The 2019 user partners and observers:

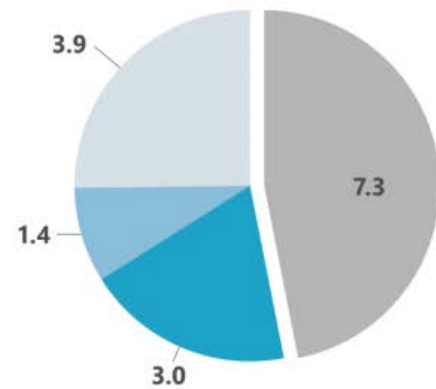


The National  
IOR Centre  
of Norway

**Our Vision:** Provide solutions for IOR on NCS through academic excellence and close collaboration with industry

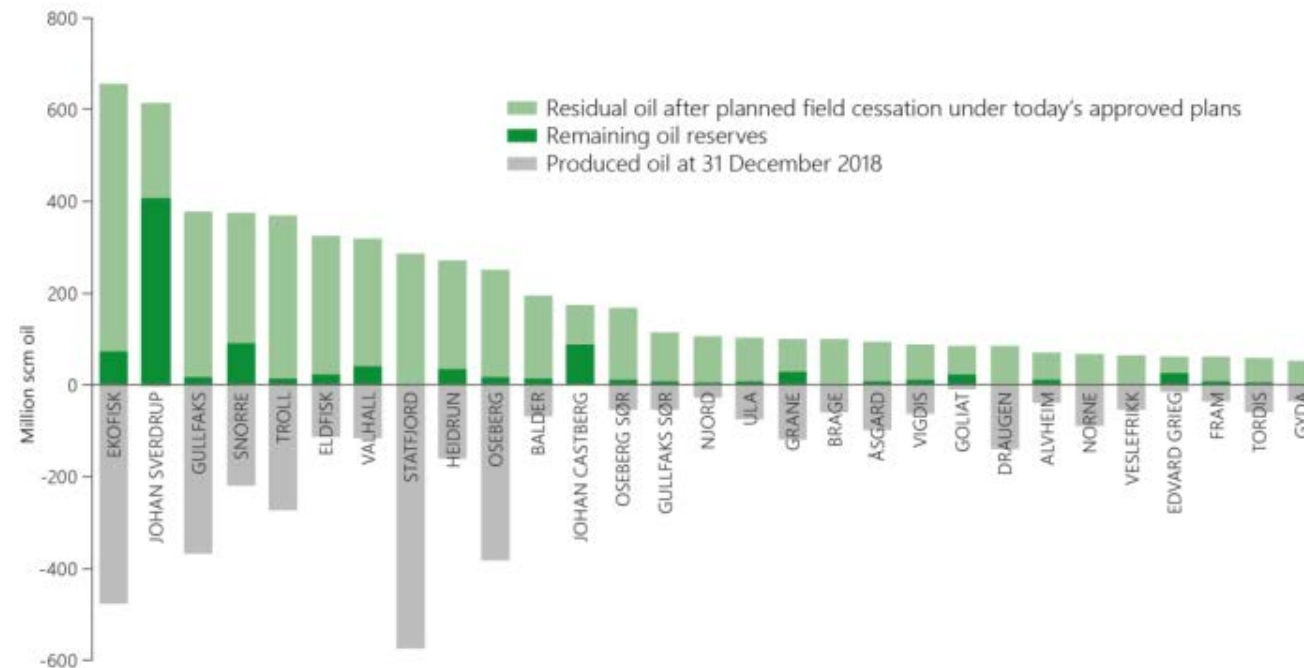
**Objectives:** Contribute to implement cost-effective and environmental-friendly technologies for IOR on NCS

### The Resource base – what is there to gain?



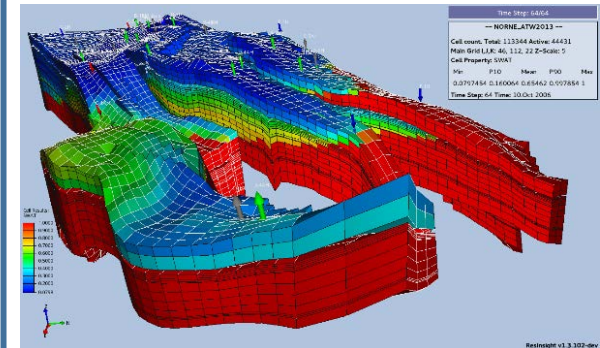
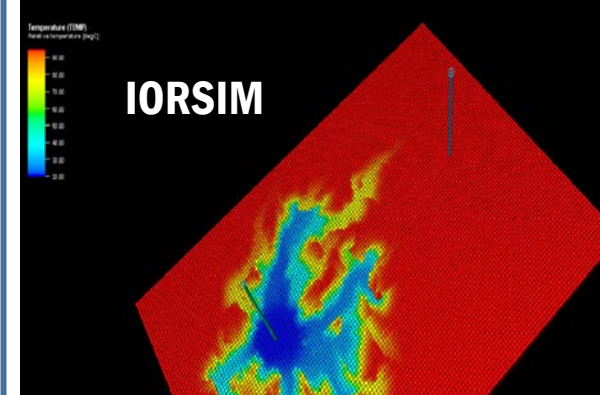
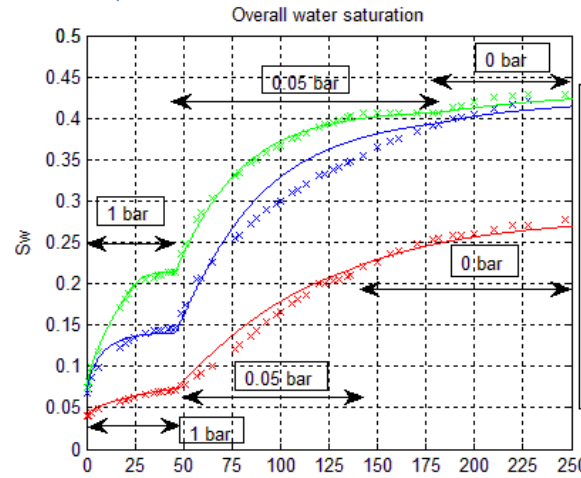
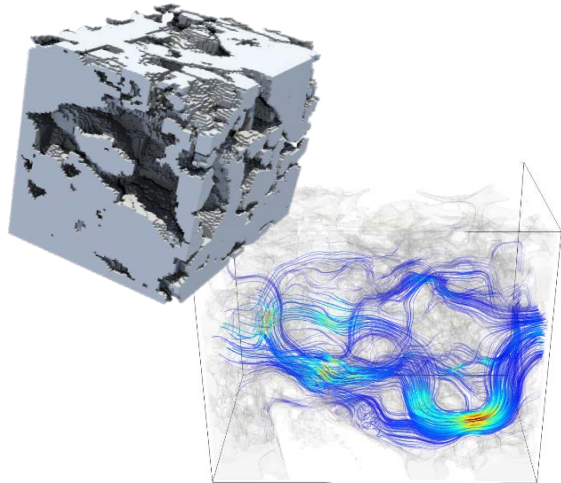
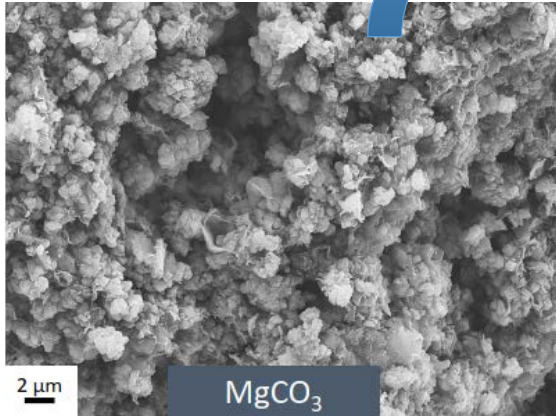
2018  
(billion scm oe)

- Undiscovered resources
- Contingent resources
- Reserves
- Sold and delivered





# PORE – CORE – Upscaled Testing – Field modelling



Target: Robust upscaling of lab results to field models





# Importance of injectivity and corresponding uncertainties and risks.



Torstein Grøstad, Equinor



From the left Kjetil Brakstad (Equinor), Jarle Haukås (Schlumberger), Ana Todosijevic (Wintershall) and Siv Marie Åsen (NORCE). Todosijevic lead the workshop.



Lars Sønneland, Schlumberger



Patrizia Pisticchio, ENI Milan



# National & international collaborators

- ✓ UNIVERSITY OF BERGEN
- ✓ UNIVERSITY OF OSLO
- ✓ NTNU / UGELSTAD LABORATORY
- ✓ SINTEF
- ✓ DTU / GEO / GEUS
- ✓ TNO
- ✓ TU DELFT
- ✓ CORNELL UNIVERSITY
- ✓ UNIVERSITY OF TEXAS AUSTIN
- ✓ INSTITUTE FOR THE STUDY OF THE EARTH'S INTERIOR
- ✓ UNIVERSITÉ DE LYON
- ✓ ECOLE POLYTECHNIQUE PARIS, FRANCE
- ✓ NATIONAL CENTER FOR ATMOSPHERIC RESEARCH
- ✓ SANDIA NATIONAL LABORATORIES
- ✓ TU BERGAKADEMIE FREIBERG
- ✓ INSTITUTE OF SCIENCE & TECHNOLOGY, LUXEMBOURG
- ✓ UNIVERSITY OF MÜNSTER, GERMANY
- ✓ +++





«(...) a focal point for IOR internationally (...)»



27-29 APRIL  
JOIN US!

The National  
IOR Centre  
of Norway

**IOR NORWAY 2020**

14<sup>TH</sup> INTERNATIONAL SYMPOSIUM ON RESERVOIR  
WETTABILITY & ITS EFFECTS ON OIL RECOVERY

# IOR NORWAY 2019

## ALL FOR IOR, IOR FOR ALL

"A UNIQUE OPPORTUNITY TO ENGAGE WITH IOR  
PROFESSIONALS AND RESEARCHERS FROM NORWAY  
AS WELL AS EUROPE AND FURTHER AFIELD"



KRISTIN FÆRØVIK, LUNDIN



KARL JOHNNY HERSVIK, AKER BP



CHRISTINE SAGEN HELGØ, MAYOR



GUNNAR HJELMTVEIT LILLE, OG21

JOIN US! 19-20 MARCH  
VENUE: TJODHALLEN, UIS  
[WWW.UIS.NO/IOR](http://WWW.UIS.NO/IOR)



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of Norway



A photograph of several hands stacked in a circle, palms facing each other, against a background of green foliage and bright sunlight. The text 'Thanks for listening' is overlaid in the center.

# Thanks for listening

<https://www.uis.no/research/national-ior-centre-of-norway/>