



Forum for collaboration between oil and gas
companies and authorities in Norway



Members:

- ◆ 1995: Force was established, 13 companies and NPD
- ◆ 2015: Force represent 50 members

Today almost all of the oil and gas companies are members of Force, and the big increase reflects the development and interest for the Norwegian Continental Shelf during the last 20 years



FORCE for 20 ÅR siden



17.11.1995

Purpose of Force:

- ◆ A non-profit organisation for subsurface activities
 - ◆ Find more - Improve Exploration Activities
 - ◆ Produce more - Improve Recovery Activities
- ◆ Based on long-term strategy advised by OG21

Working instrument:

- ◆ Create active meeting arenas for knowledge transfer and idea generation
- ◆ Facilitate communication within the Force community and with our R&D partners and stimulate project initiations

Liability:

- ◆ Regulated by Cooperation Agreement
- ◆ Members to pay an annual administration fee
- ◆ Members decide themselves whether to participate in JIPs

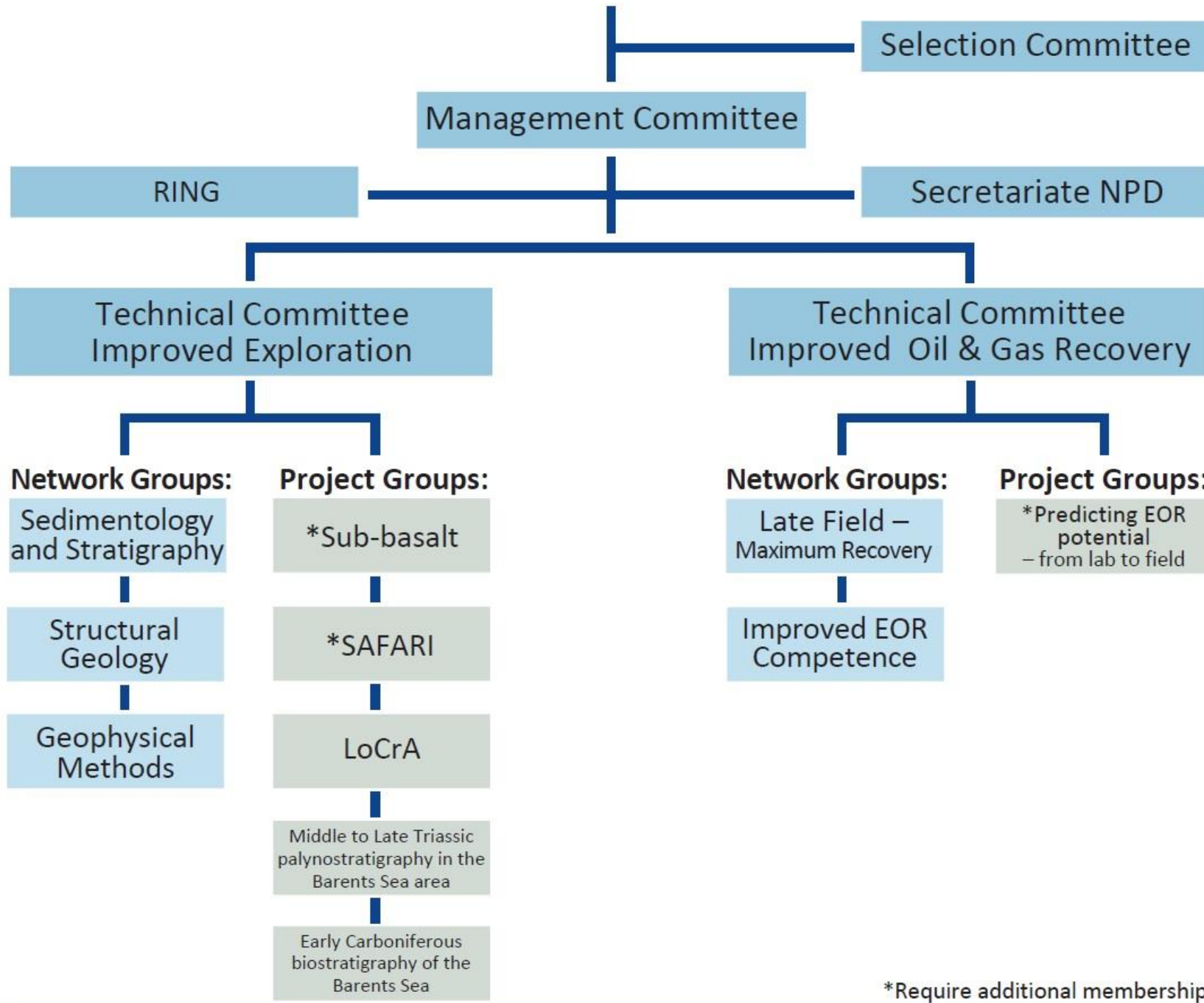


What is unique with the Force community?

- ◆ Members that primarily are in competition with each other have agreed to cooperate to improve knowledge and technology
- ◆ The Force community have access to large databases like DISKOS (well data, seismic and production data) Possibility for project initiation
- ◆ Philosophy is to share untreated information, but compete with the interpretation of the data



FORCE General Assembly



*Require additional membership

RING project (Realfag Inspirasjon Næringsliv Glede)

- ◆ For high school students
- ◆ Workshop where students participate in practical activities related to natural science and technical demonstrations.
- ◆ Increase understanding about general business conditions and about career choices
- ◆ 5 years of inspiring events
- ◆ Initiated by Force to stimulate education of future generations
- ◆ Plan to spin off into a «Vitensenter» in 2017



Seminarer og Workshops 2015

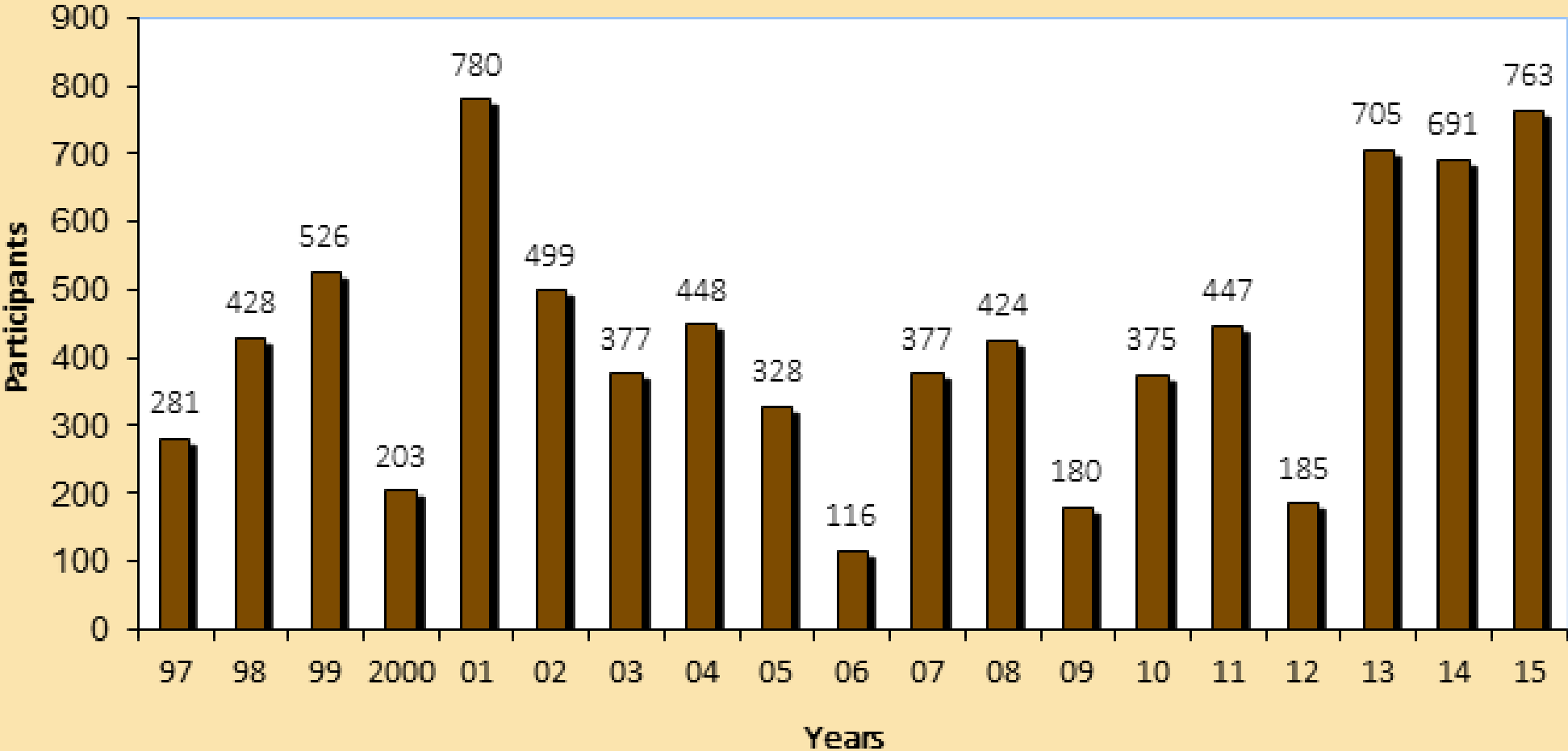
- Underexplored Plays (april #157)
- Mature field opportunity screening (mai #81)
- Field trip to Oslo Graben (mai #23)
- Applied Biostratigraphy (mai #44)
- Triassic and Jurassic reservoir development in the Barents Sea (juni #98)
- Cores of the year 2015 (desember#98)

Lunch & Learn seminars

- Paleozoic lacustrine shales of Northeast Greenland (april #38)
- Geophysical Methods - lunch seminar (mars #36)
- Geophysical Methods - lunch seminar (juni #22)
- OPM - Open Reservoir Simulator' (oktober #20)
- Structural development of the Northern North Sea (november. #89+ 18)
- History Matching - what is sufficient HM for prediction/well planning (desember #40)



FORCE SEMINARS 1997 - 2015



Force seminars/workshops – Low cost competence building

Seminar participant price-list

1 day seminar/workshop		2 day seminar/workshop	
	Price		Price
Member	Free	Member	NOK 1000,-
Non member	NOK 1000,-	Non member	NOK 2000,-
University/student	Free	University/student	Free

1 day seminar/workshop + dinner		2 day seminar/workshop + dinner	
	Price		Price
Member	NOK 1000,-	Member	NOK 1500,-
Non member	NOK 2000,-	Non member	NOK 3000,-
University/student	NOK 500,-	University/student	NOK 500,-



Actions from the previous Joining Forces seminar May 2013

- ◆ **Well received subject, with support for continued communication in future from both industry & academic communities**

- ◆ **Establish a web-portal in FORCE where research & industry communities can both post their activities & contacts**

- ◆ **Industry should try to define & advertise its main challenges such that academic community can consider how it might react with the aim of stimulating increased project collaboration**
 - **suggest FORCE consider this at network level,**
 - **set-up Network-Level discussion forums with research community next time**
 - **consider aiming for bi-annual meeting (s)**



Force Web Site / www.force.org



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[RING](#)

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FORCE is a co-operating forum for **Improved oil and gas recovery (IOGR)** and **Improved exploration (IE)** conducted by oil and gas companies and authorities in Norway.

Our ambition is to play a significant role in the future value creation on the Norwegian Continental Shelf, through facilitating cooperation between industry, research institutions and authorities.

[Read more about FORCE](#)

Free oil facts application for your smart phone. Click the icon for information on how to download



Presentations

Some of the presentation material used in seminars is public and free to download.



Projects

There are a vast amount of ongoing projects in FORCE. Open an overview here:



Upcoming events

"Joining Forces" and FORCE's 20 year anniversary!
02.02.-03.02.2016



Focus areas

FORCE technical committees (TC) have listed topics they will focus on in 2015.



FORCE 20 years

In 2015 we are celebrating FORCE being 20 years.

02.02.2016

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Technical committee

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Network groups

Project groups

Projects - Improved Exploration

SAFARI Phase 2

SAFARI Phase 3

Sub-basalt

Middle to Late Triassic palynostratigraphy in the Barents Sea area

LoCrA

Early Carboniferous biostratigraphy of the Barents Sea

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Start > Improved Exploration (IE) > Project groups > Projects - Improved Exploration

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Projects - Improved Exploration



The project groups within FORCE have specific scopes to impact exploration success and increase reserved in the producing fields. The basic idea behind the project groups is to create cross-licencees' intercompany collaboration within exploration, EOR piloting and implementation.

The list below is an overview over the recent years' projects in the Improved Exploration group.

Project	Status	Accepting late participants
LoCra (2012) SedStrat group	Active	Yes
Late Triassic Barents Sea (2012) UiB/SedStrat	Active	Yes
Safari 3 (2013) Uni Reserach AS/SedStrat	Active	Yes
RING (2010) SedStrat group	Active	Yes
Sub-basalt (2006) SedStrat	Active	
Carboniferous Barents Sea (2013) UiB/SedStrat	Active	Yes
NORSALT	Proposed	
Qemscan UiS	Proposed	
Cretaceous Stratigraphy	Proposed	
Gplates (2013) Structural Geology	Proposed	
RM3D UiS/Structural Geology	Proposed	
Joint Drilling Programme Step 2 - Prospect SINTEF/Structural Geology	Proposed	



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[Contact SAFARI Phase 3](#)

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[Contact Mature fields - Maximize Recovery](#)

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Contact Sedimentology and Stratigraphy

Do you have any questions to the Sedimentology and Stratigraphy network group?

Please use this form:

Your name

E-mail

Question

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Recommendations from Force to our R&D partners

- ◆ Use the web page: www.force.org
- ◆ Feel free to suggest improvements to the web page.
- ◆ Contact groups and networks you need to discuss with. Get feedback for your project proposals
- ◆ Participate in seminars and workshop. A lot of ideas within Force appear in these forums
- ◆ Your ideas are always valuable to **FORCE!**

