More to gain from NCS

BRU21 Conference May 31, 2023

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Norwegian Petroleum Directorate
Norwegian Petroleum Directorate - NPD
NPD - roles

Ministry of Petroleum and Energy

Adviser

Communicator of facts

Follow up and driving force

Follow up (sector responsibility)

Other govt agencies

Society

Industry
More to gain from

• Oil and gas resources
• Safe CO2 storage
• Technology
• Data and digitalization
More to gain - total resources

Source: NPD Ressource Accounts by 31.12.2022 (npd.no)
More to gain - fields

Source: norskpetroleum.no
More to gain - discoveries

Source: NPD Ressource Accounts by 31.12.2022 (npd.no)
More to gain - undiscovered resources

Source: NPD Ressource Accounts by 31.12.2022 (npd.no)
More to gain – safe CO2 storage

EXL 004 (2022)
WintershallDEA
Cape Omega

EL 001 (2019)
Northern Lights

EXL 002 (2021)
Equinor

EXL 003 (2021)
Equinor
Vår Energi
Horisont Energi

Annonced (2023)

EXL 006 (2023)
WintershallDEA
Stella Maris CCS

EXL 005 (2023)
AkerBP
OMV
More to gain - technology

Subsurface data acquisition

Challenging barrels

Next generation production systems

Source: Equinor

Source: AkerBP (Lundin)

Source: Equinor

Improve Discovery
Increase Recovery
Reduce Emission

Source: https://www.npd.no/en/facts/technology/
TECHNOLOGY STRATEGY 1.1

SUBSURFACE DATA ACQUISITION
- New seismic source technology
- Ocean bottom seismic
- Reservoir surveillance
- Dynamic data acquisition

CHALLENGING BARRELS
- Waterbased EOR
- CO2 for IOR
- Water management
- Drilling and well technology

NEXT GENERATION PRODUCTION SYSTEMS
- Subsea processing
- All electric subsea
- Intervention technology for subsea wells
- Low emission power generation

Source: https://www.npd.no/en/facts/technology/
More to gain – data and digitalization

DISKOS 2.0

• Enable data analysis and processing
• Open API technology
• High degree of automatization
• Industry recognized standards
More to gain - summary

Source: NPD Resource report 2022 (npd.no)
More to gain – don’t miss out on the opportunities

A lot of ..... 
• Reserves to be produced 
• Resources to be matured 
• CO2 to be stored 
• Technology to be used 
• Data to be utilized
Thank you for your attention!