



Norwegian Ministry
of Petroleum and Energy

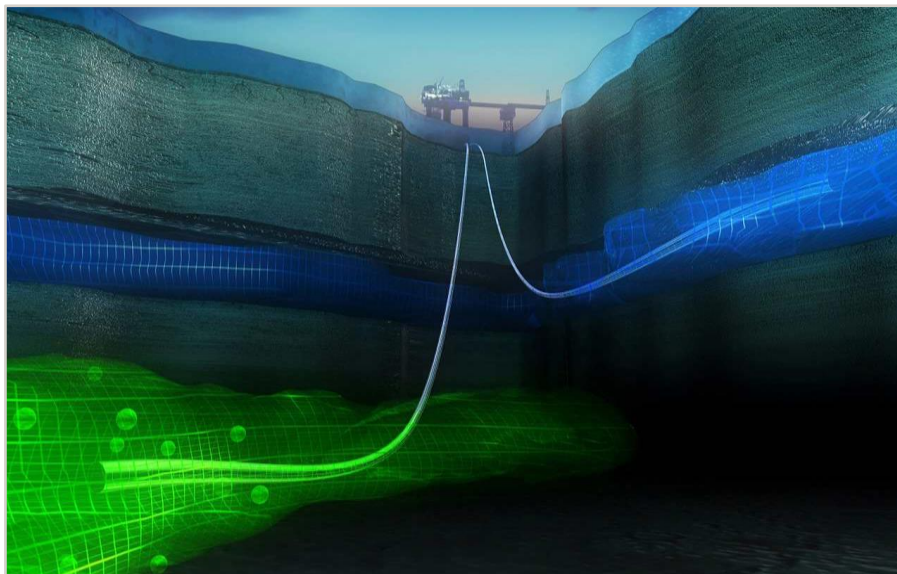
Norway's policy for carbon capture and storage

Stig Øyvind Uhr Svenningsen, Deputy Director General

Marrakech, 7 November 2016



20 years of experience with CCS



Sleipner



Snøhvit

The Norwegian CCS policy

R&D



Demo



Full scale



CLIMIT
FORSKNINGSRÅDET OG GASSNOVA

CO₂ TECHNOLOGY
CENTRE
MONGSTAD

 GASSNOVA

FmE
CENTRE FOR
ENVIRONMENT-
FRIENDLY ENERGY
RESEARCH

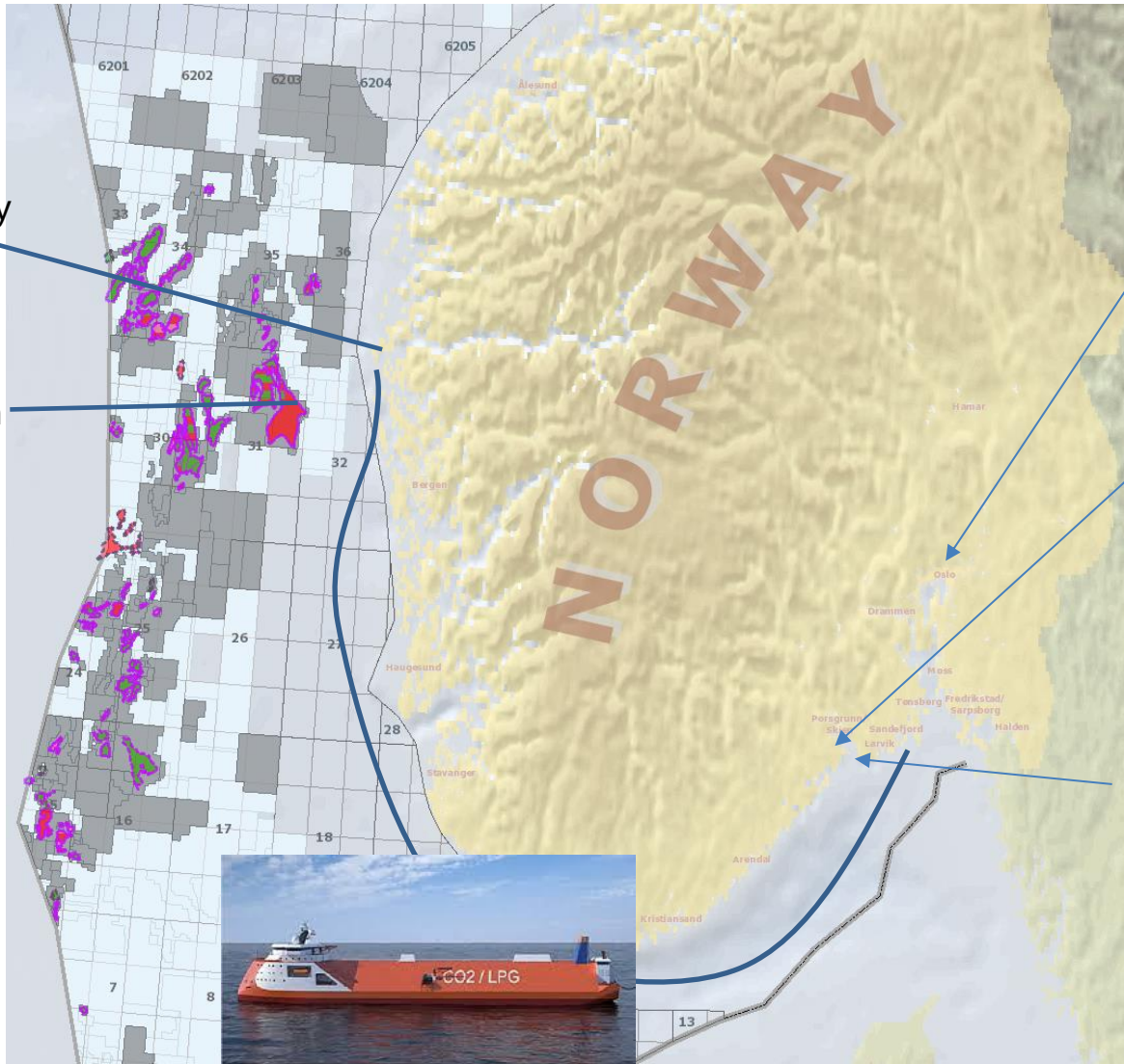


Feasibility studies – Norwegian CCS projects

Onshore facility



Smeaheia-storage location



Klemetsrud



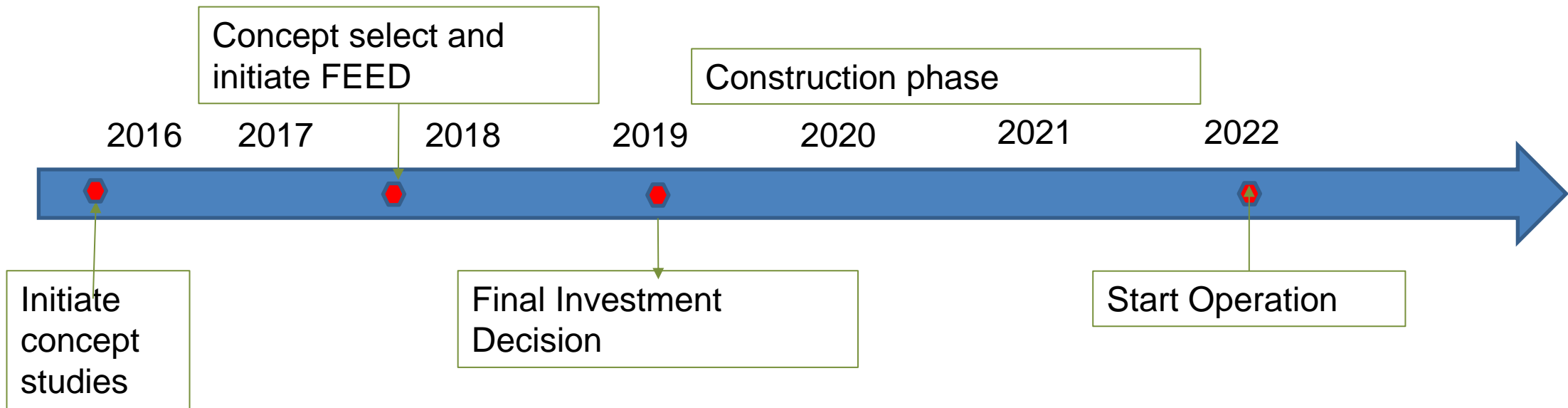
Yara



Norcem



The timeline – large scale CCS in Norway



Large scale CCS in Norway

A large scale CCS project in Norway will:

- **Demonstrate a full chain of capture, transport and storage of CO₂**
- **Demonstrate CO₂ capture in existing industry.**
- **Establish a flexible storage solution.**
- **Provide cost and risk reductions for subsequent CCS projects**

How to deploy CCS globally?

- **CCS is necessary to meet international climate targets in a cost efficient manner**
- **It will require political and financial support to develop the technology**
- **In the long run transport of CO₂ across borders could be necessary.**
 - **Amendments to London Protocol must enter into force.**





Norwegian Ministry
of Petroleum and Energy

Thank you!

Bildekreditering: flere av bildene er fra © Øyvind Hagen – Statoil ASA

