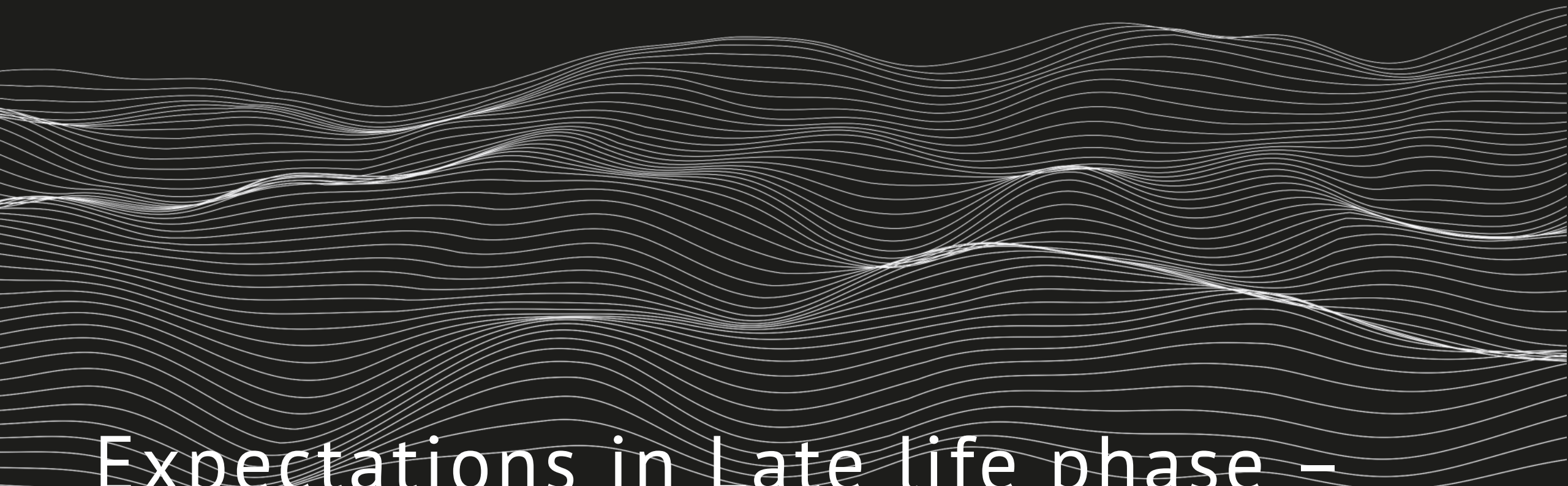


A series of white, wavy lines that flow across the middle of the slide, creating a sense of movement and depth.

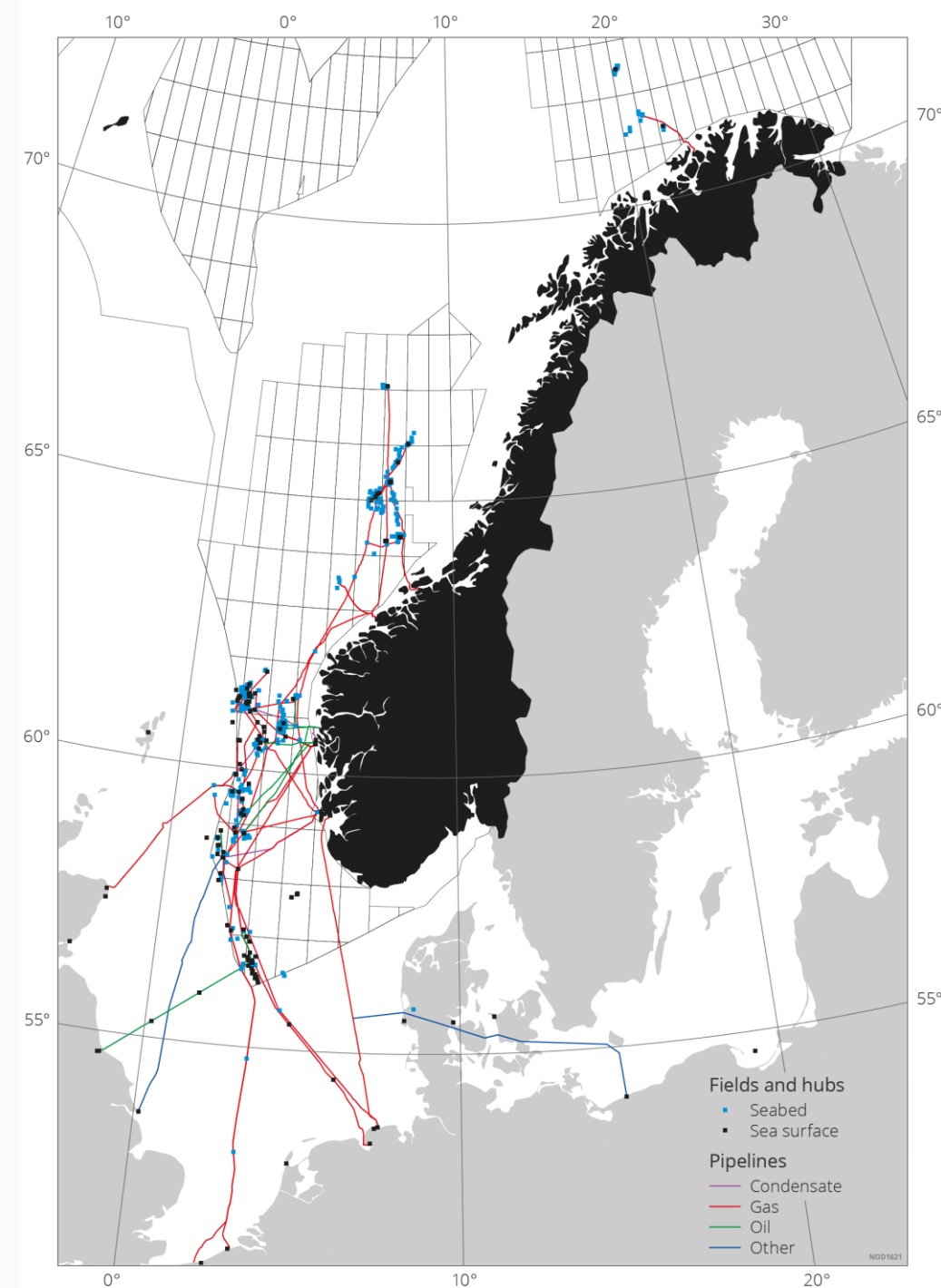
Expectations in Late life phase – Norwegian Offshore Directorate

Niels Erik Hald, Assistant Director



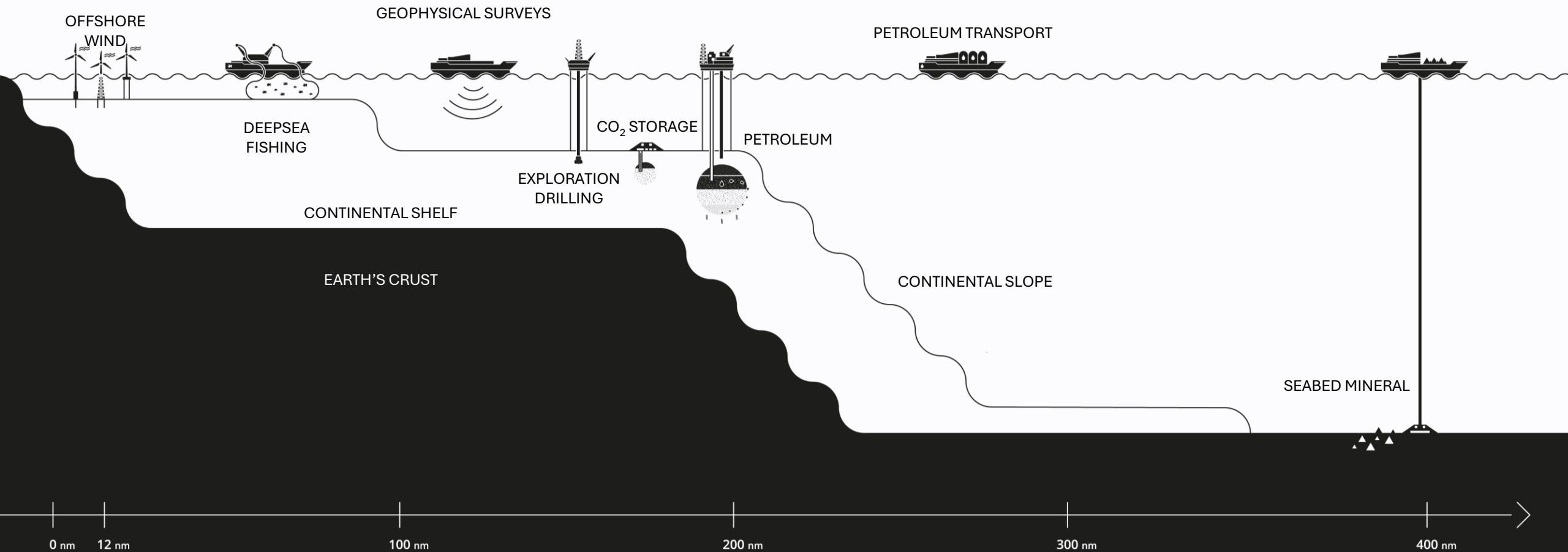
Norwegian Offshore Directorate

- Subordinate to the Ministry of Energy
- Established 1972 as The Norwegian Petroleum Directorate
- Resource management and co-existence
 - Oil and gas
 - CO2 storage
 - Seabed minerals
 - Offshore wind





The Norwegian Continental Shelf





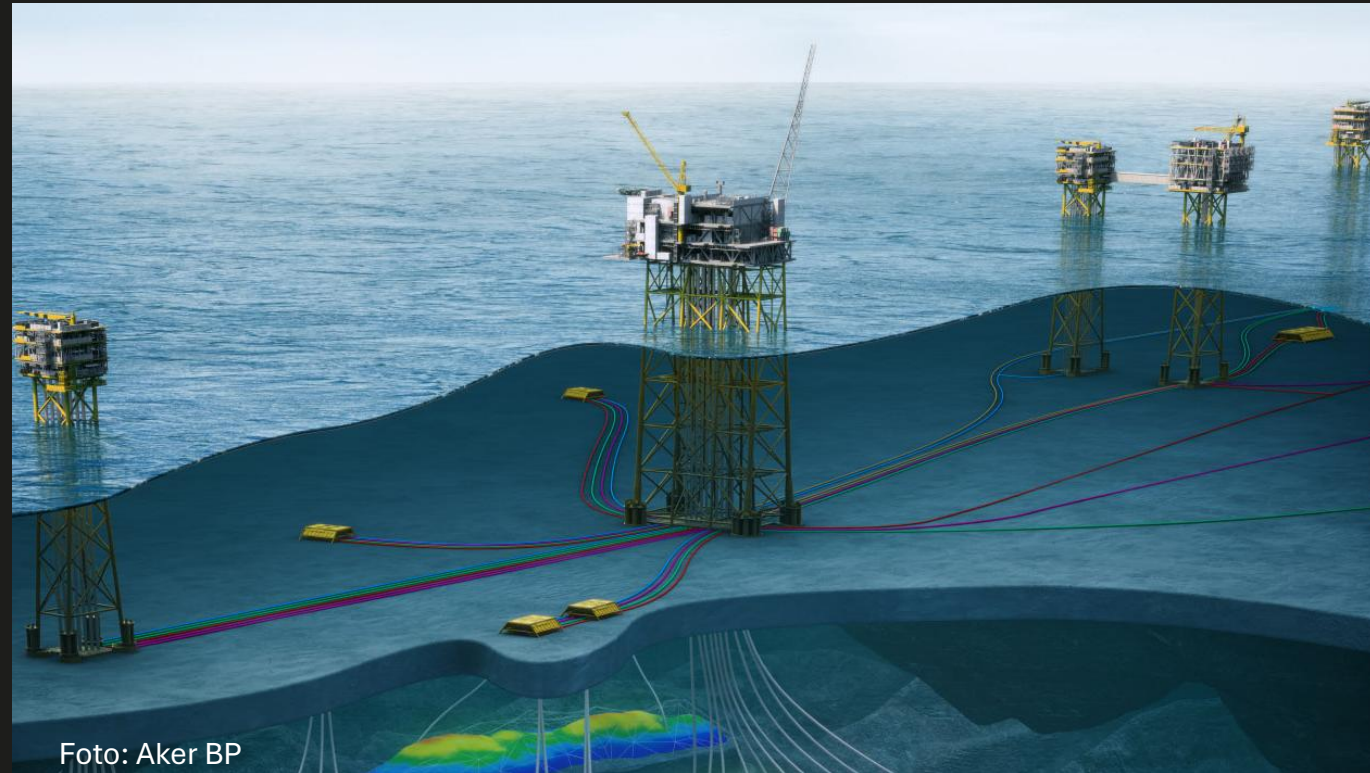
Status NCS

- 95 field in operation
- Many ongoing projects
- High exploration activity
- High production level



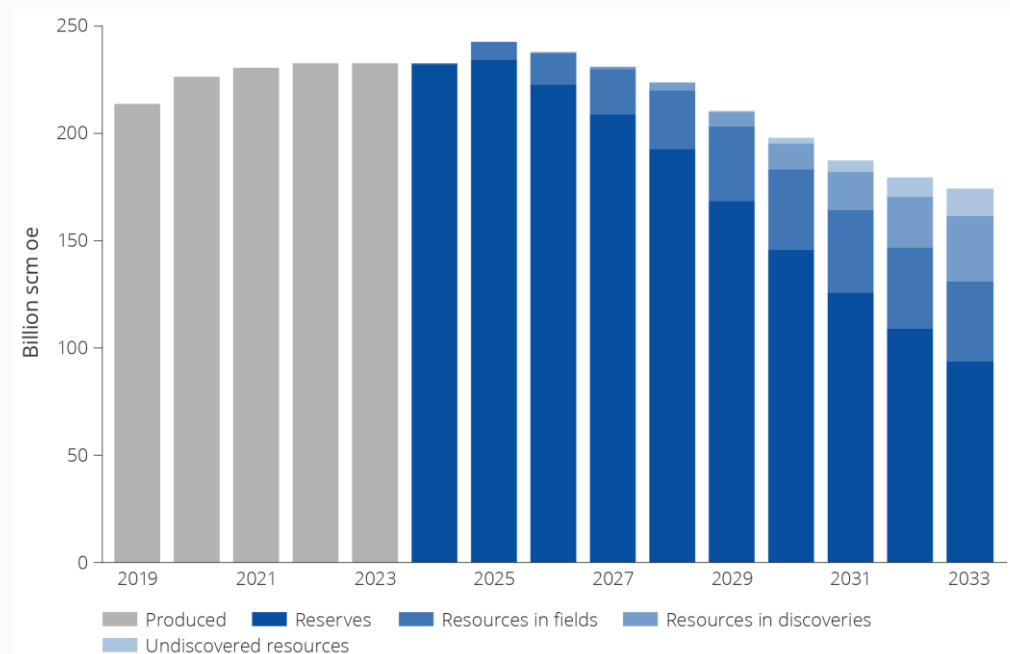
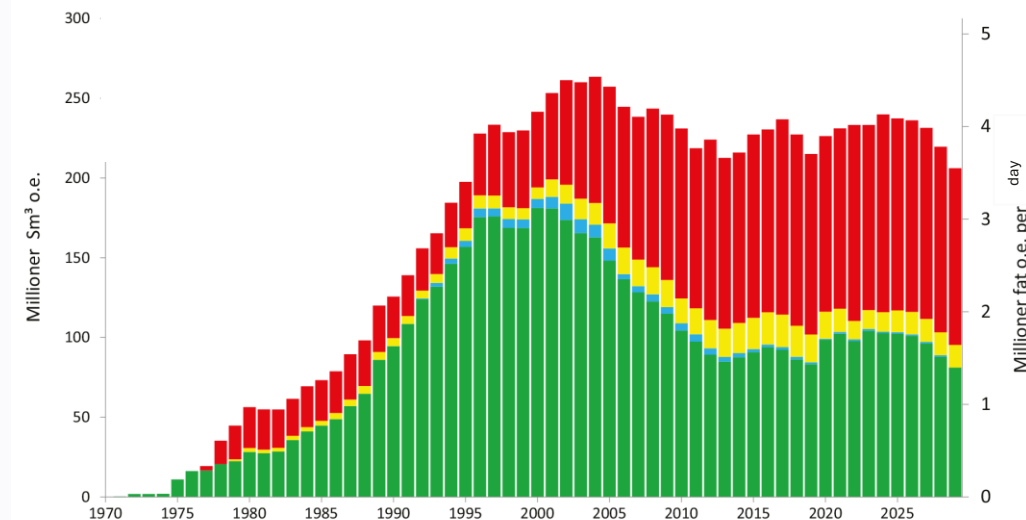
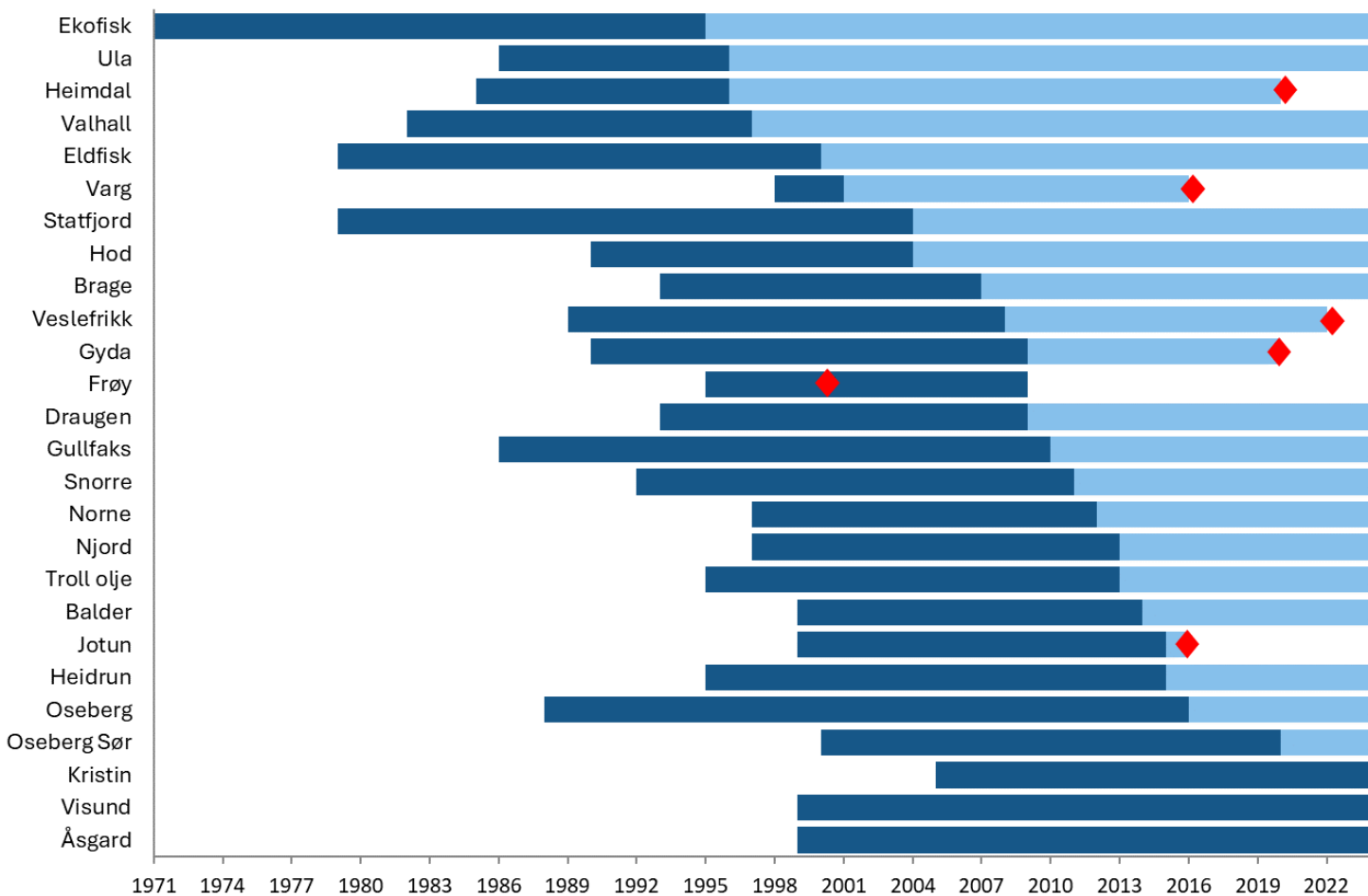
Principles for Norwegian resource management

- State governance and control
- Values creation
- Division of roles

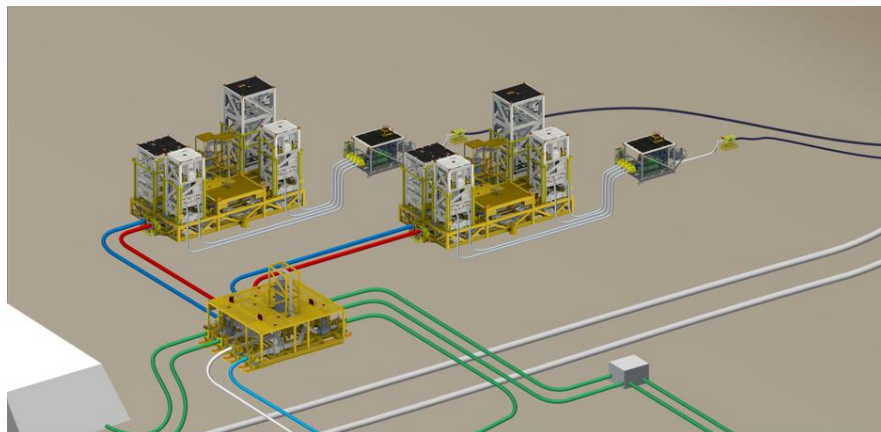




What is the late life phase?



Technology development - challenging the framework?



Ekofisk-tanken
1973

Den første betong-
konstruksjonen



Statpipe
1985

Kryssing av
Norskerenna



Snorre
1992

Flytende
produksjons-
plattformer



Troll
1996

Betongplattformer
på dypt vann.
Flergrensboring



Åsgard
1999

Havbunns-
installasjoner og
produksjonsskip



Snøhvit og Ormen Lange
2007

Flerfasetransport.
Fjernstyring



Tordis
2008

Havbunns-
separasjon



Åsgard
2015

Havbunns-
kompresjon

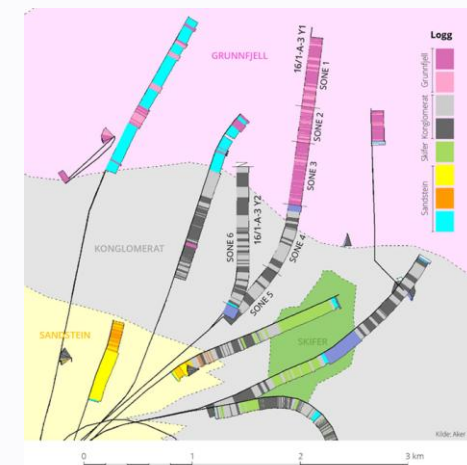


Photo: Øyvind Hagen / Equinor

Summary and expectations



Foto: Gravås/Kleppa, Equinor



Foto: Eva Sleire, Equinor



Foto: Eva Gullerud, Aker Solutions

THANK YOU FOR YOUR ATTENTION

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