



Norwegian Ministry
of Petroleum and Energy

BRU 21-Conference

The importance of R&D for the future of oil and gas

State Secretary Ingvil Smines Tybring-Gjedde

Trondheim 30.May 2017



Petroleum and technology capitals



Stavanger – the oil capital of Norway

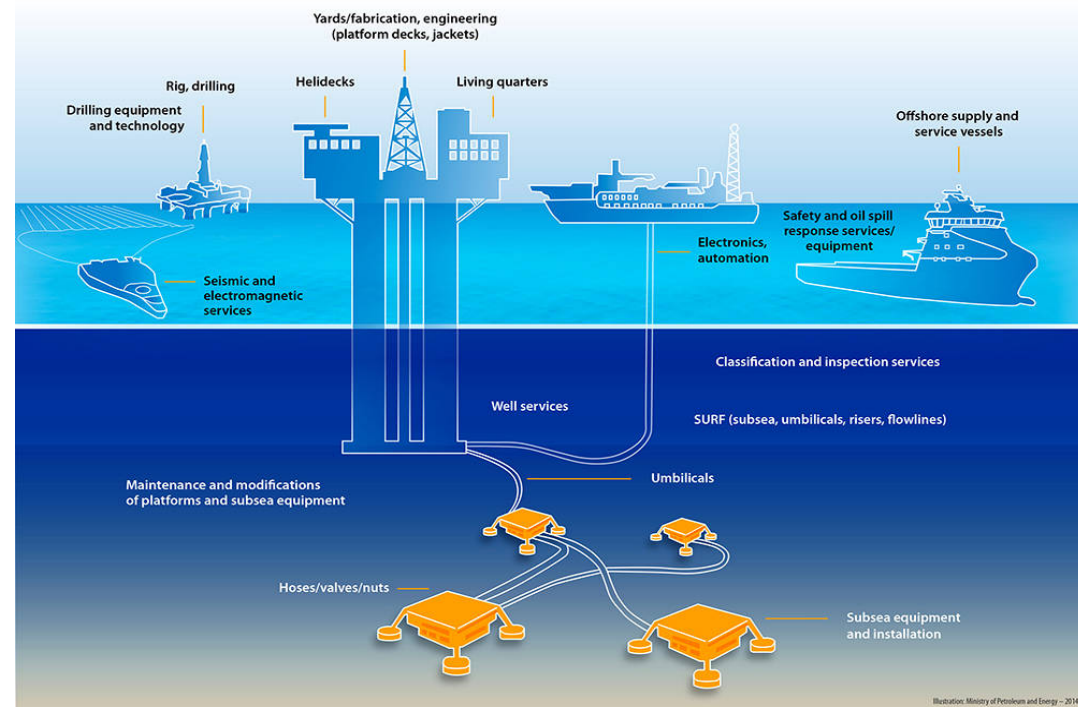


Trondheim – the technology capital of Norway.

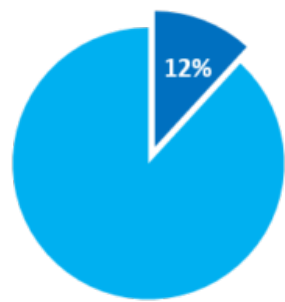


Main Objectives

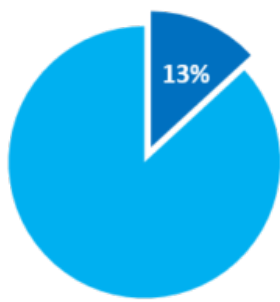
1. Resource utilization
2. Building a competitive industry
3. Ensuring recruitment and competence



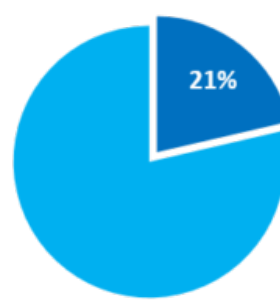
Macroeconomic indicators for the petroleum sector, 2016



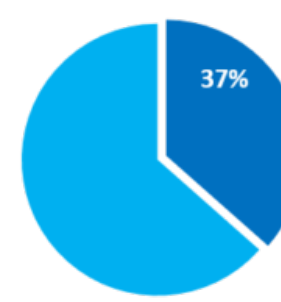
Share of GDP



Share of the State's revenues



Share of total investments



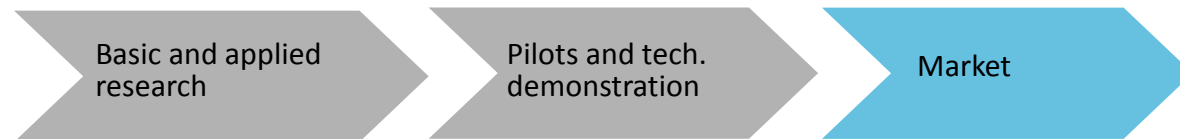
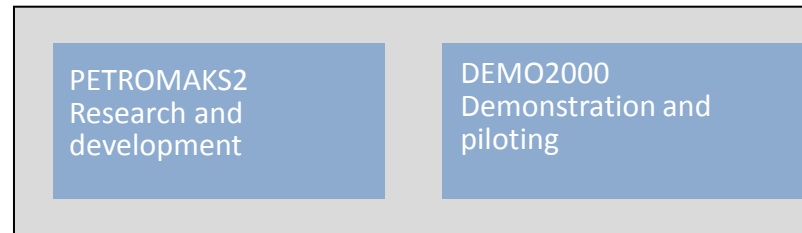
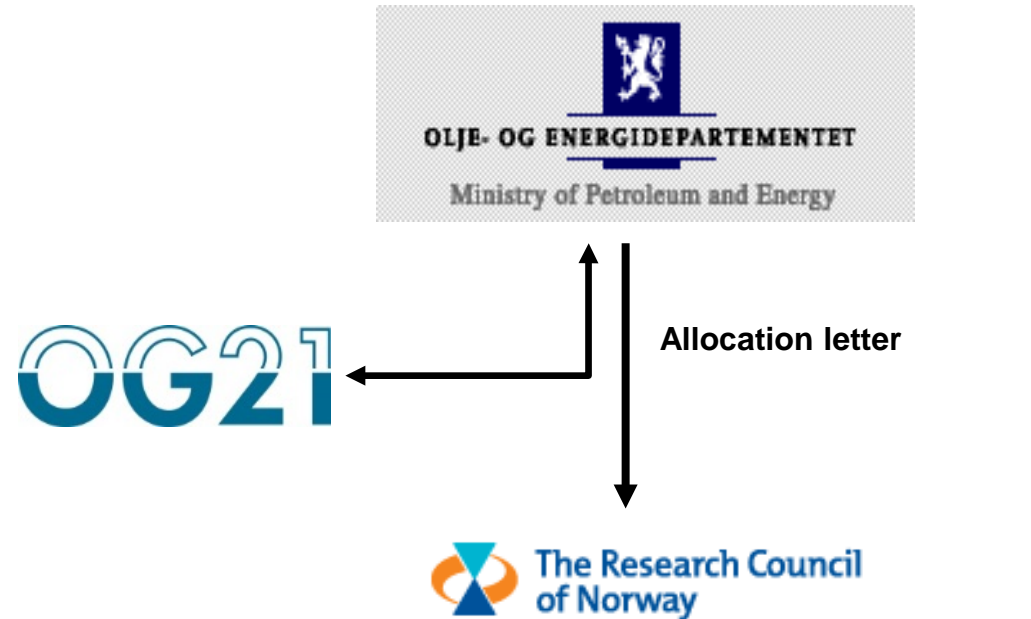
Share of total exports



Organization and tools

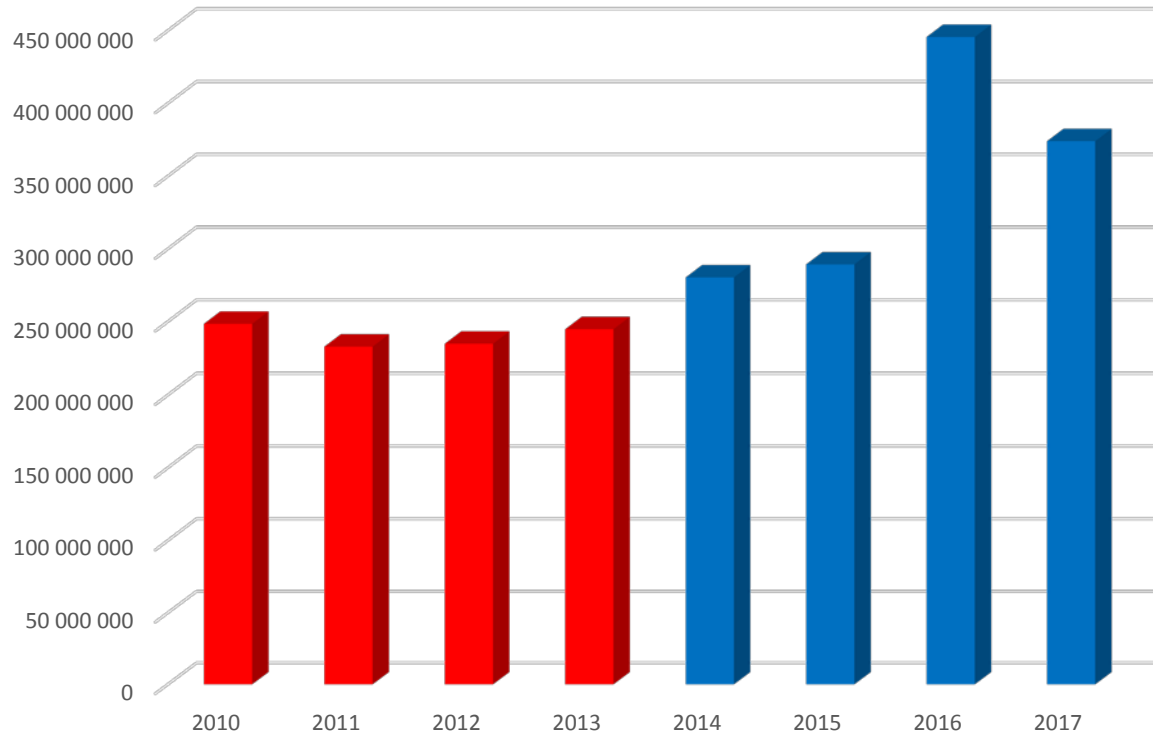


The new revised OG21-strategy



The importance of research and development

Government support for petroleum research



SpotlightSM
on new
TECHNOLOGY



The Continuous Drilling & Circulation Unit (CDU) is offering the world's first continuous drilling operation. Photo: West Group.



IOR – at the core of good resource management



Horizontal drilling has been key to develop the oil reserves at Troll.



The Ekofisk field is now aiming for a recovery rate of over 50 per cent



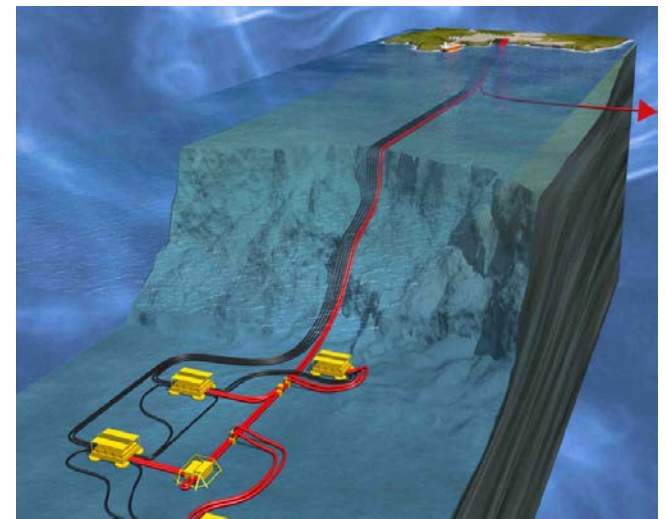
Multiphase technology and transport



The multiphase lab at Tiller. Photo: Harald Killingberg.



Multiphase transportation – most important Norwegian invention of all time?



Ormen Lange gas field.



Summary

