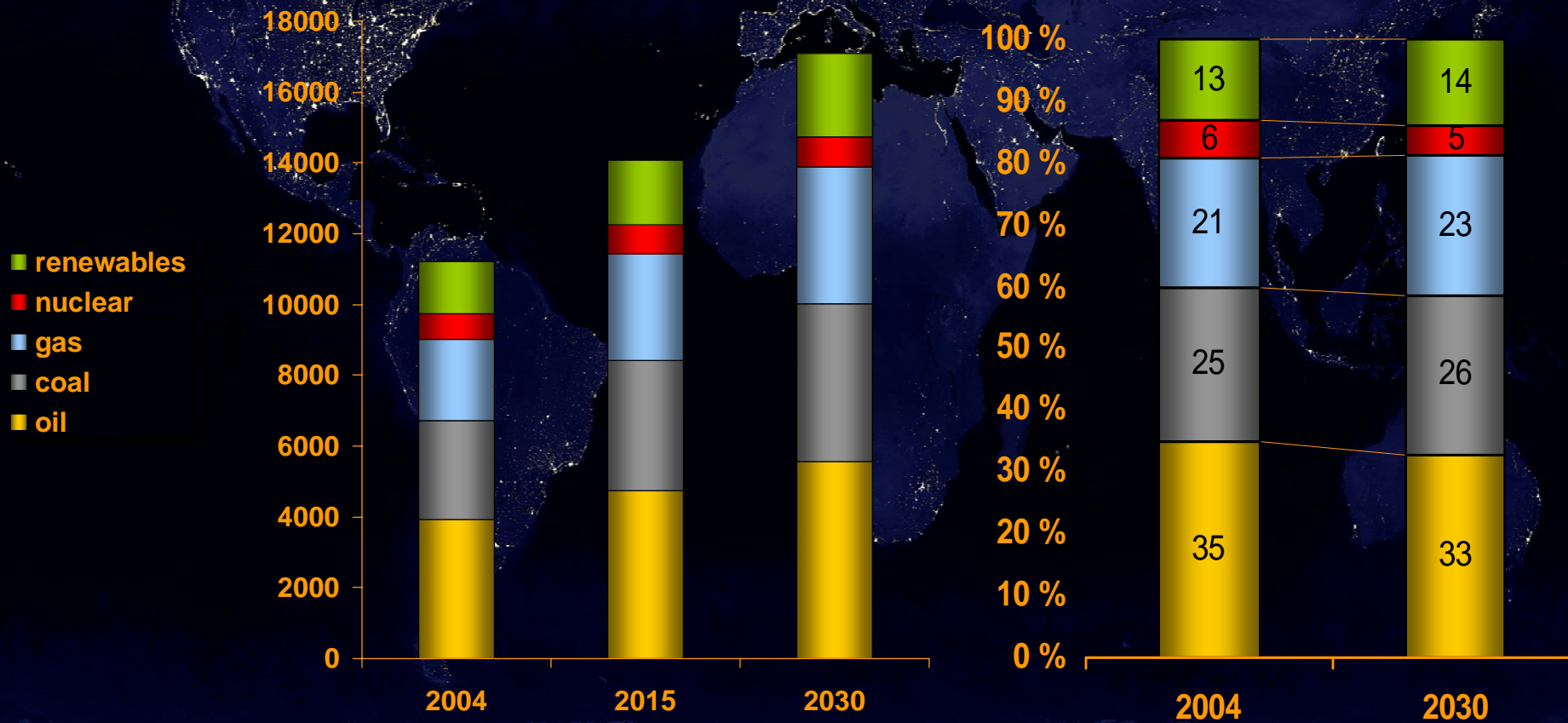


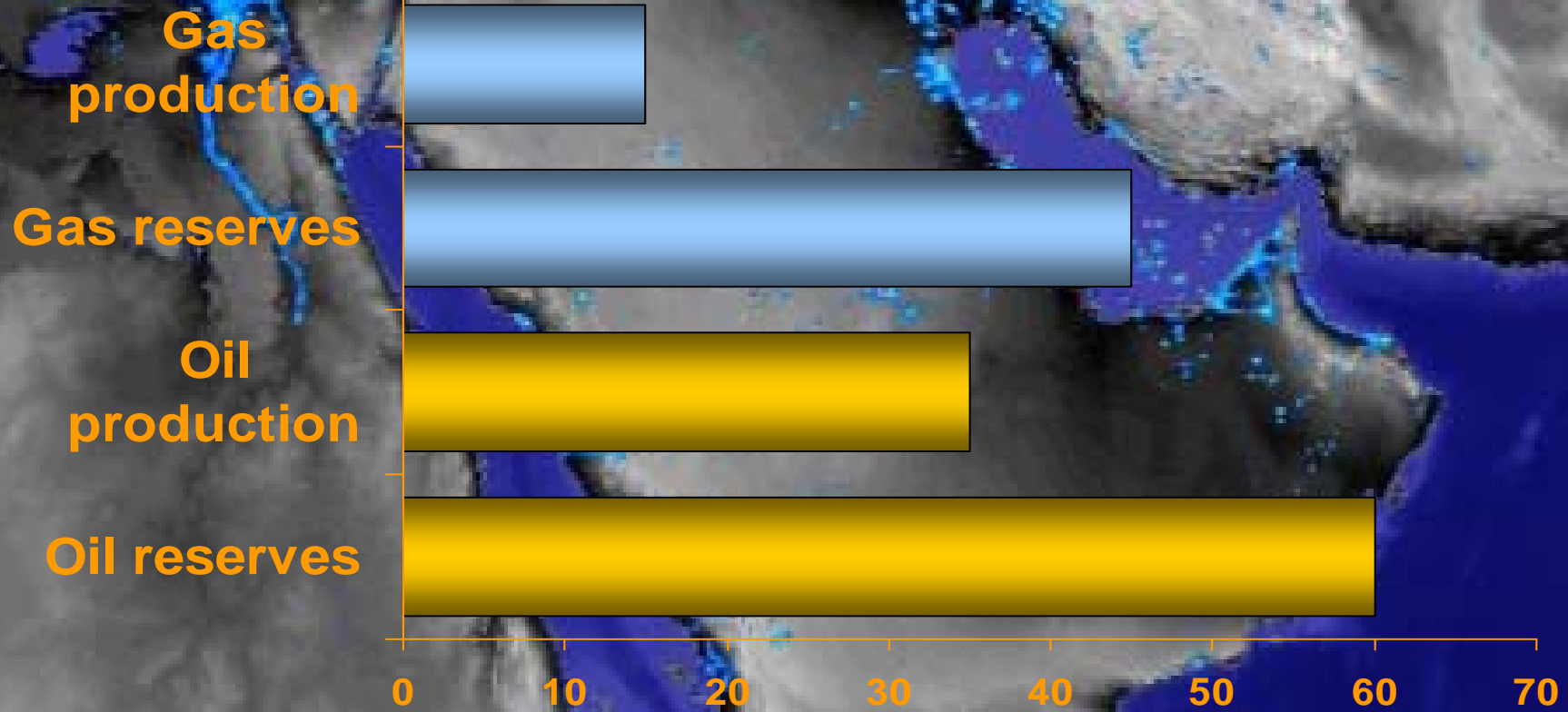
# World energy consumption 2004- 2030



kilde: IEA WEO 2006

# Middle East

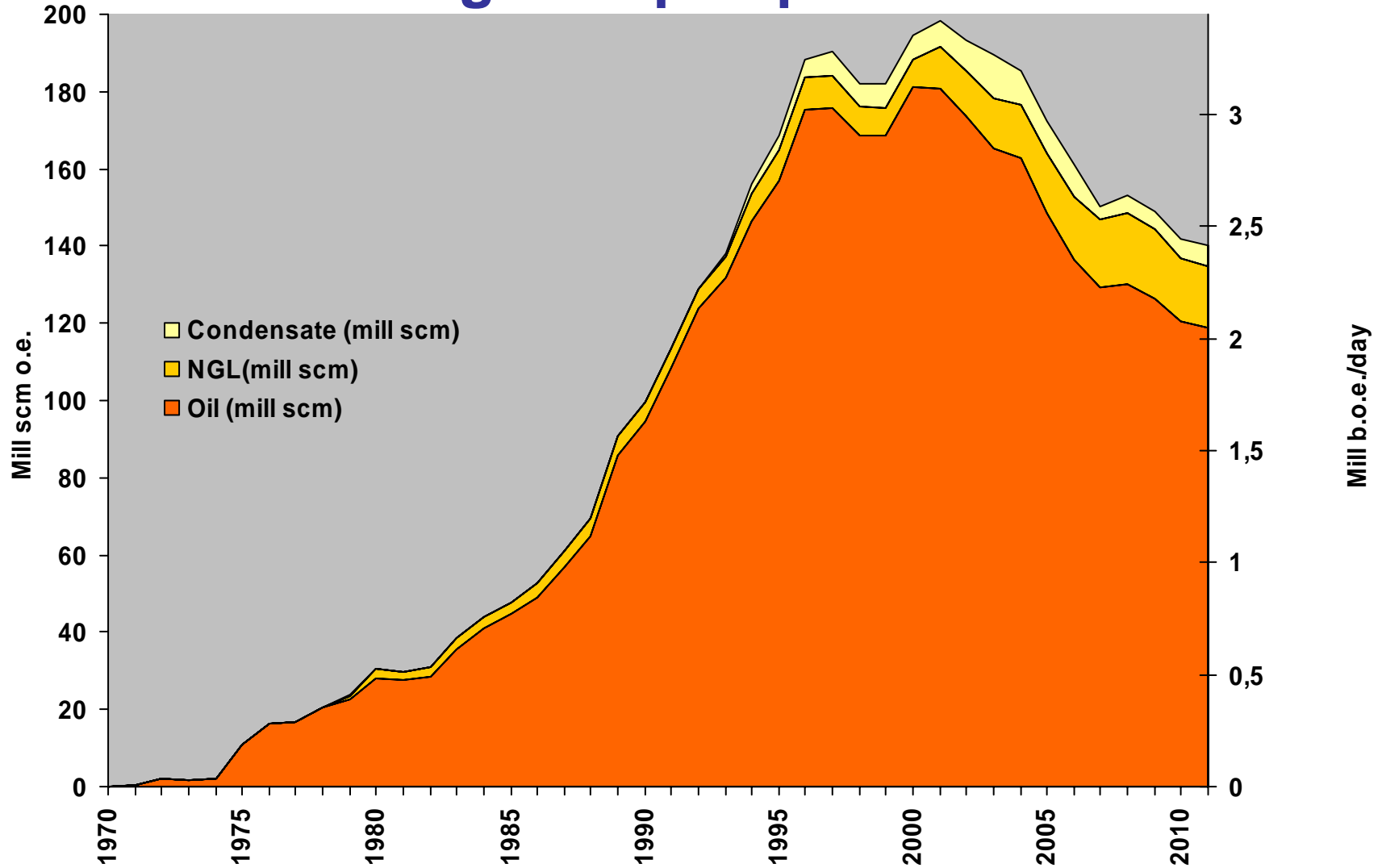
- share of world oil and gas production and reserves



% of world production and reserves

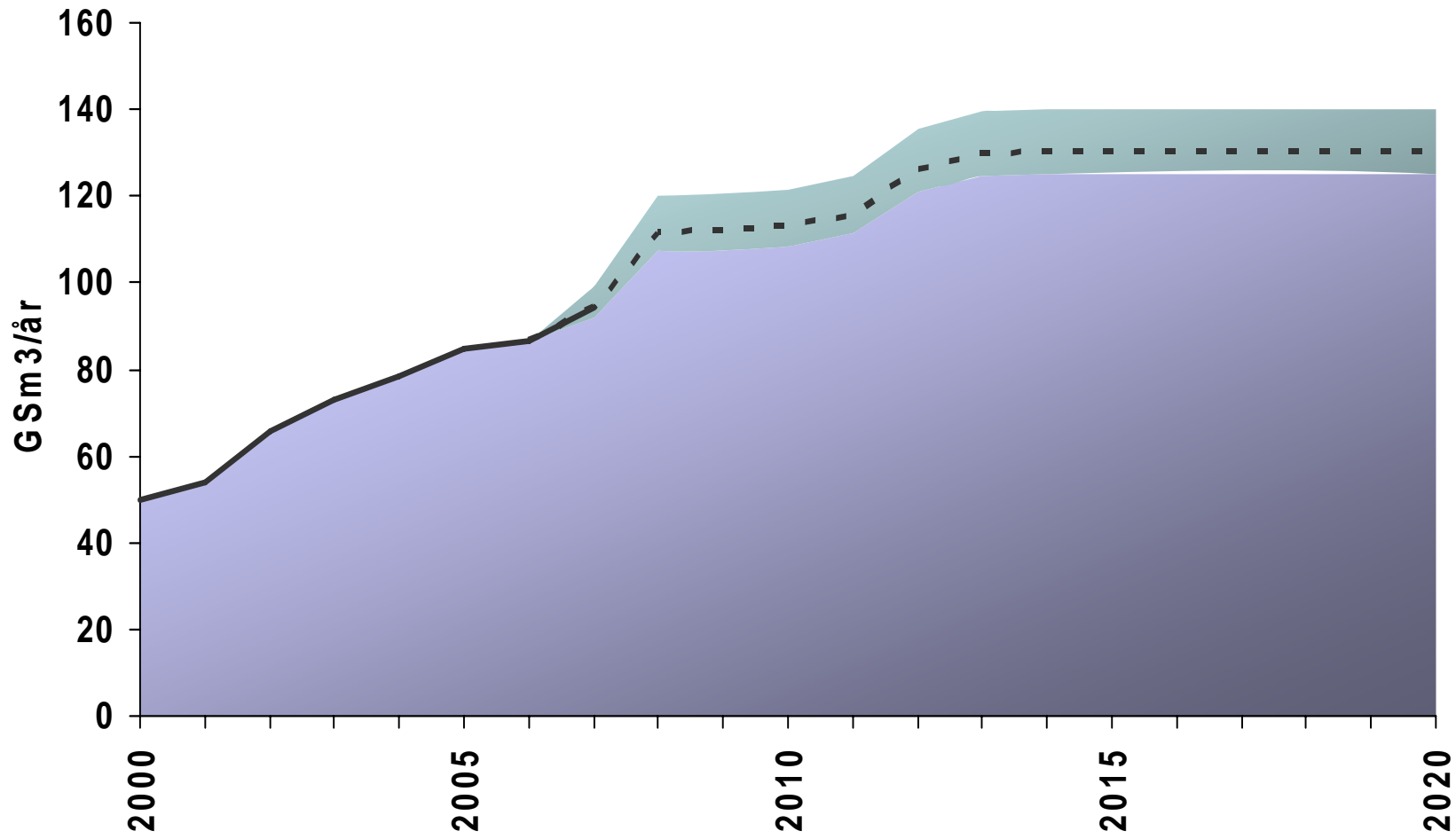
source: IEA

# Norwegian liquid production



# Estimated Gas Production on the Norwegian Continental Shelf

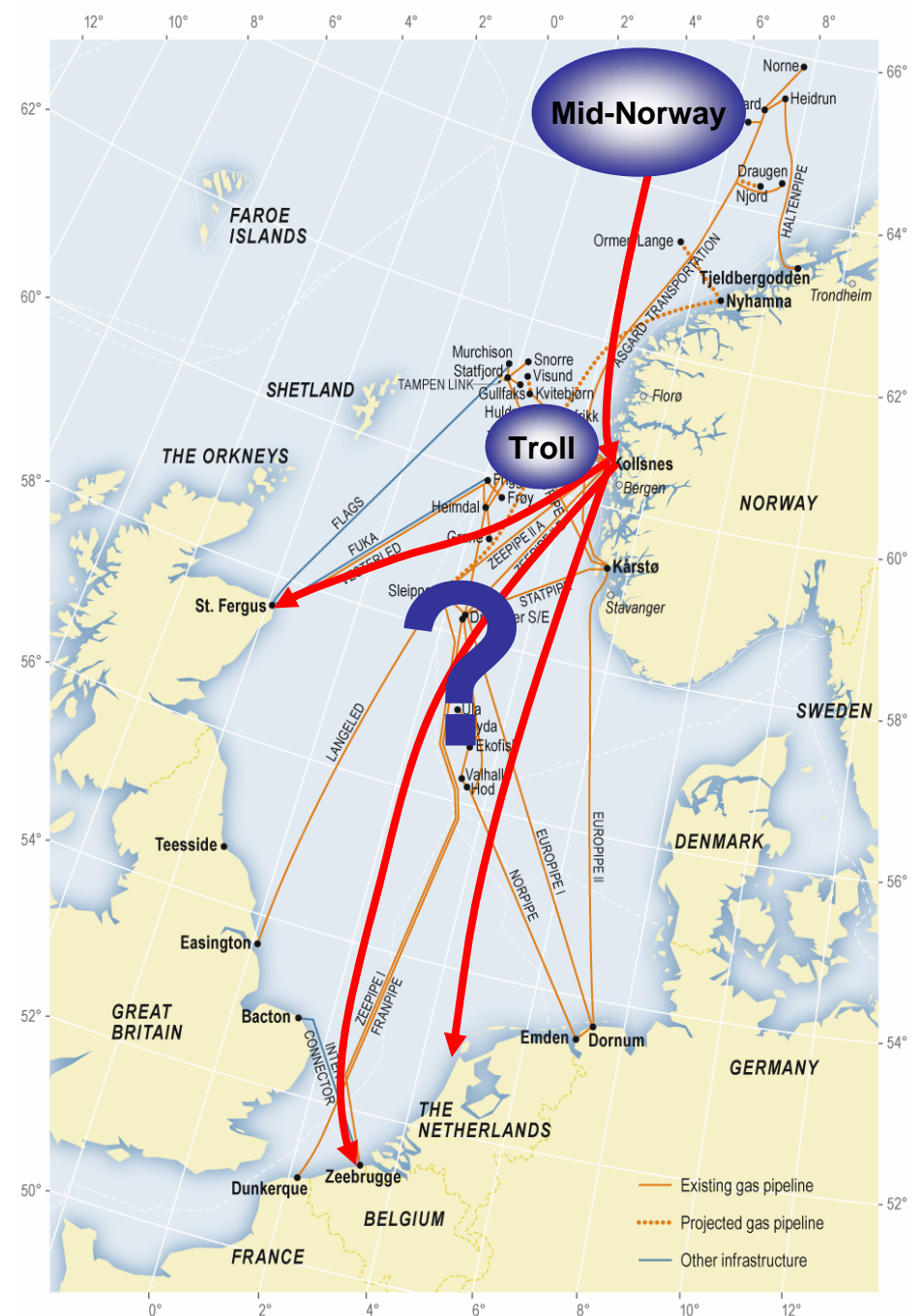
- Total exports in 2006: About 85 BCM
- Production could reach 125-140 BCM/year within a decade





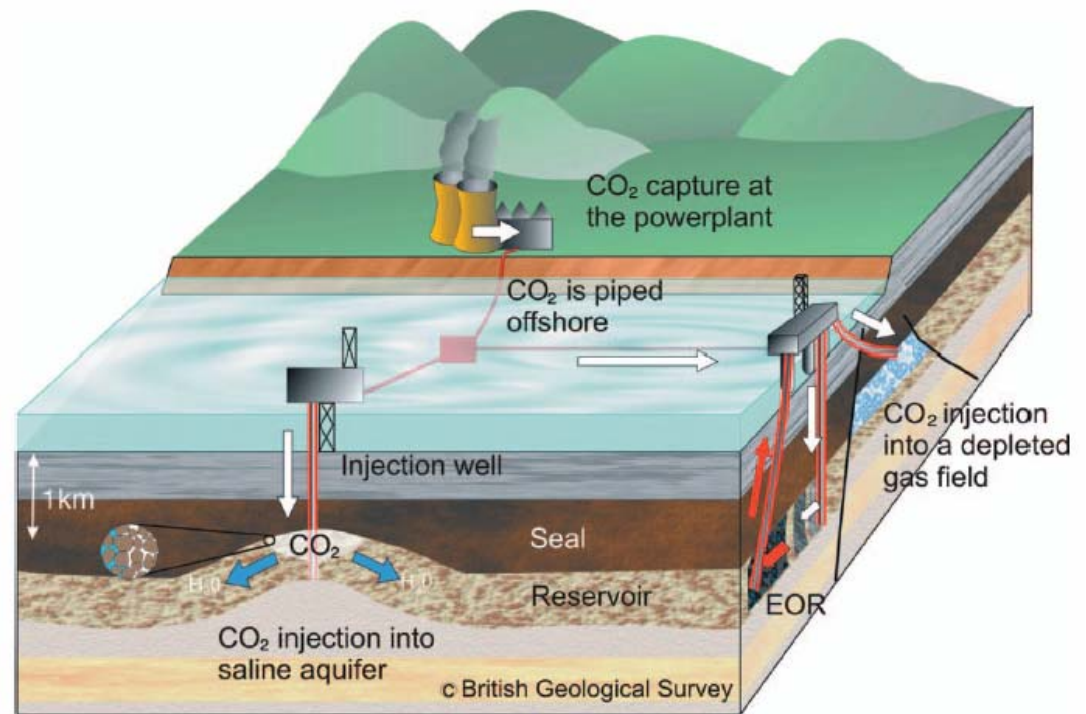
# Projects under consideration

- Potential for increased gas production from Troll
- Undeveloped resources in Mid-Norway
- Possible new export pipeline to either Zeebrugge, den Helder or St. Fergus



# Carbon Dioxide Capture and Storage

- CCS important in meeting energy and climate challenges
- Realizing CCS on a large scale is a very challenging task
- The Norwegian Government has ambitious goals



# Mongstad CCS Project

- Large scale pilot will be in place in 2010, 0.1 Mt CO<sub>2</sub>/year
- Full scale CCS by the end of 2014, 1.3 Mt CO<sub>2</sub>/year
- Main objectives Stage 1
  - Develop concepts with reduced cost and risk for a CO<sub>2</sub> capture at CHP plant at Mongstad
  - Develop technology for CO<sub>2</sub> capture for wider international application



## Items for discussion

- The resource nationalism – will it hamper energy investments?
- Is nuclear energy a viable option in carbon abatement?
- Is biofuels a sustainable energy alternative?
- Carbon capture and storage
  - how large is the potential ?
  - what will be the impact on gas and coal demand
- How to draw China and India into a binding carbon cutting scheme ?





NORWEGIAN PETROLEUM  
DIRECTORATE

<http://www.npd.no/factmaps>

