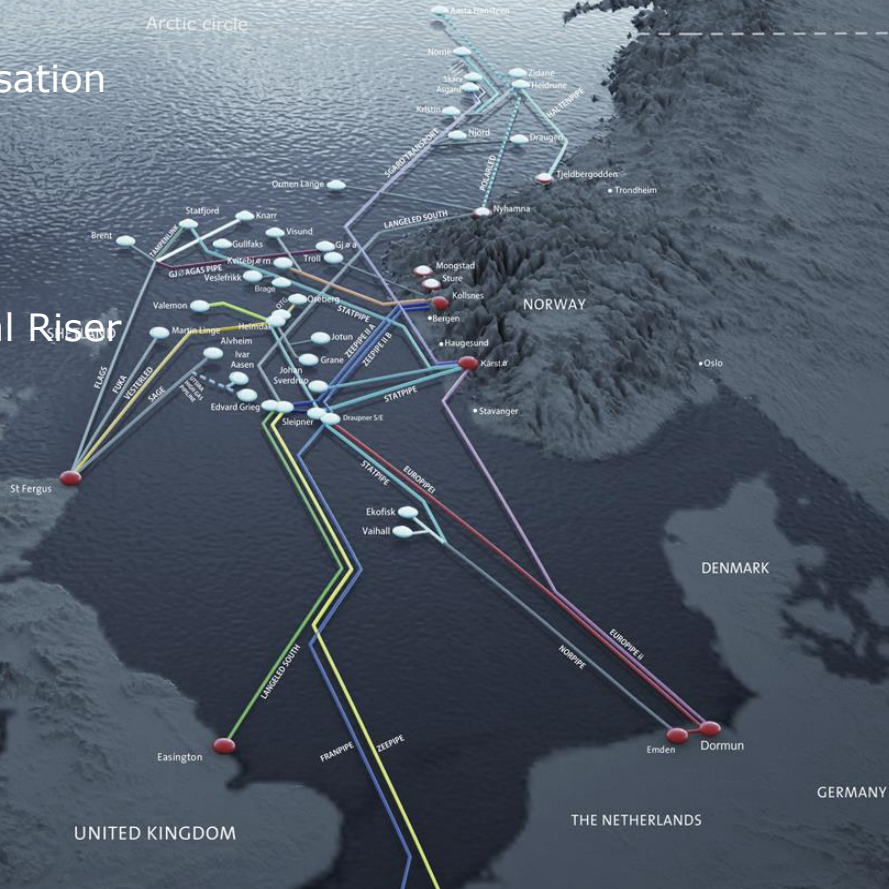


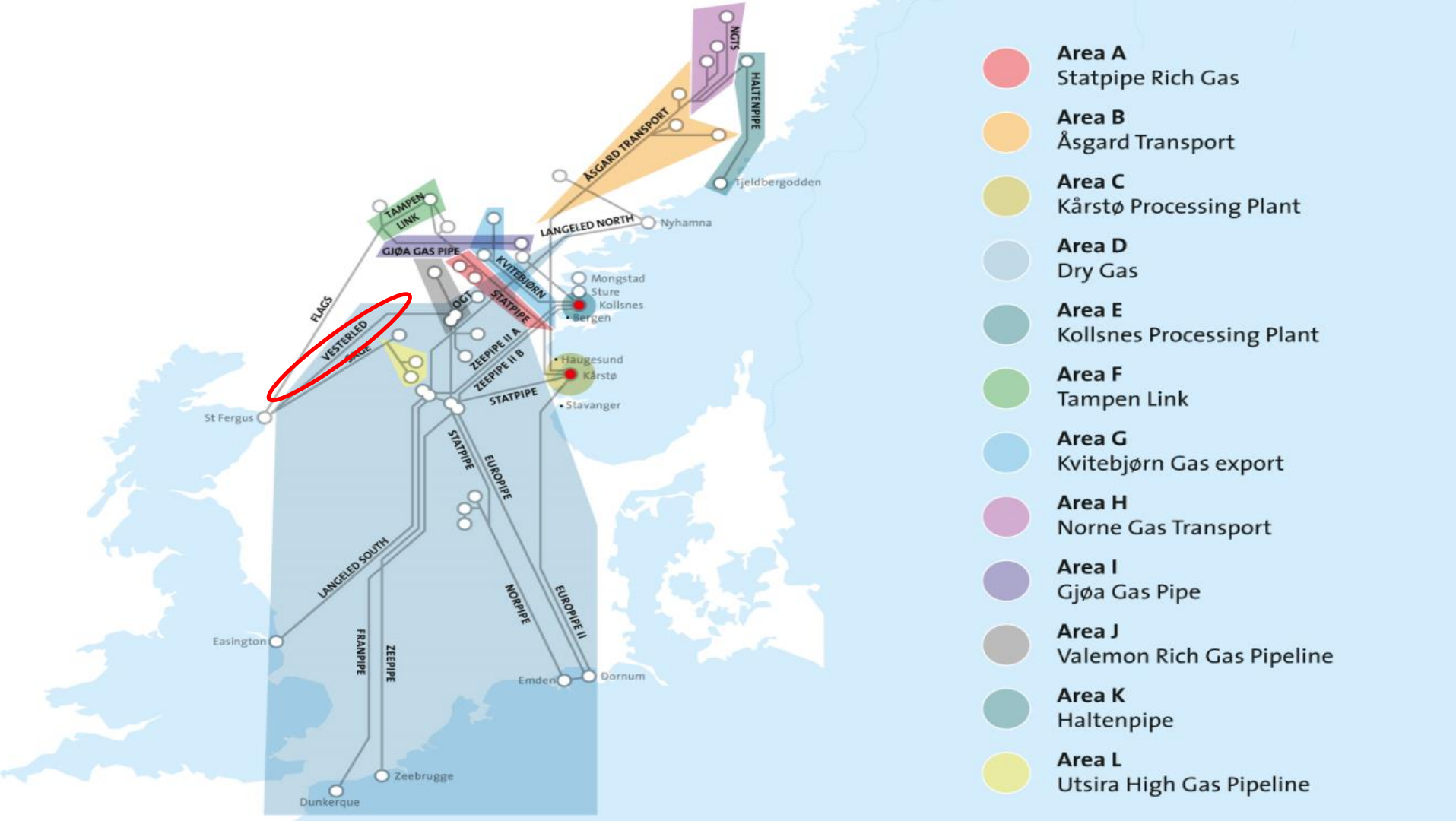
Scenarios for CO₂ content in Vesterled



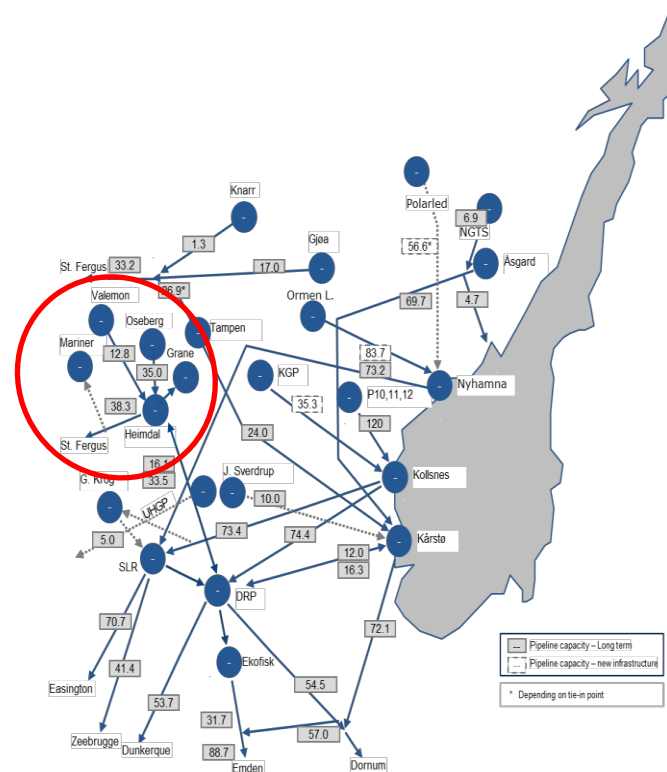
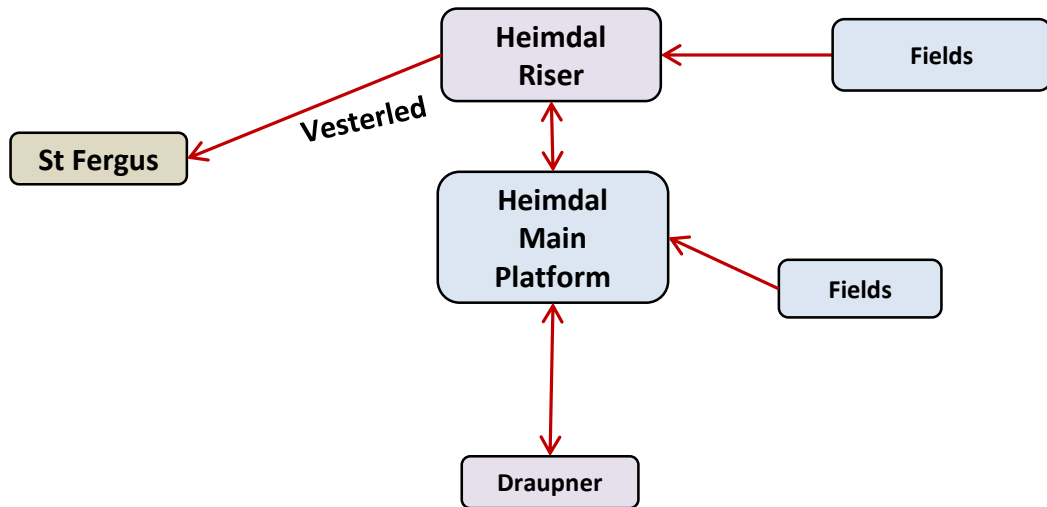
Content

1. CO₂ content and capacity utilisation Heimdal Entry
2. CO₂ content Heimdal Riser
3. Historical CO₂ content Heimdal Riser
4. Recommended CO₂ range





Simplified sketch of Heimdal Entry, Heimdal Riser and Vesterled



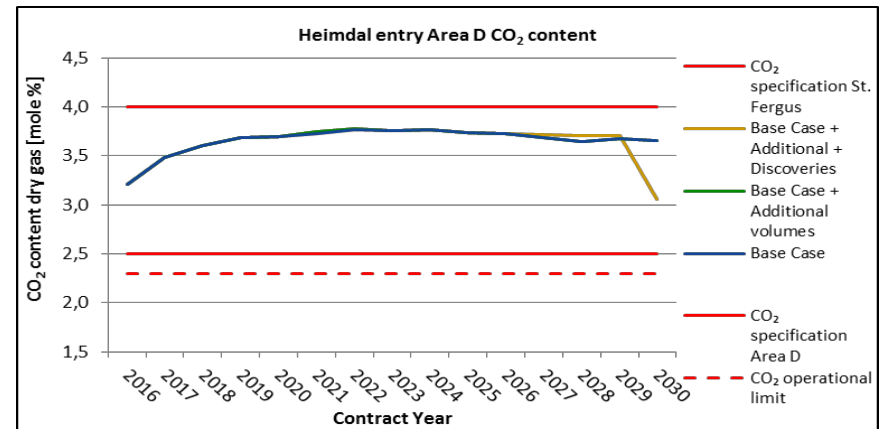
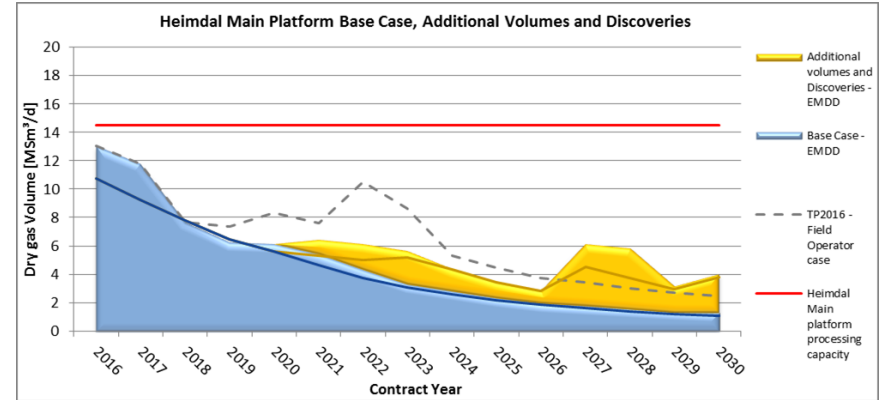
CO₂ content and capacity utilisation Heimdal Main

Heimdal Main: Volume utilisation

- The utilisation of Heimdal Main Platform (HMP) is expected to fall rapidly during the next years.

Heimdal Main: CO₂ content

- The CO₂ content in the dry gas from Heimdal Entry is high and the figure shows that the volumes from Heimdal Entry point are above the CO₂ specification in Area D.
- However, the CO₂ specification in St. Fergus is 4.0 mole%, which is beneficial for the CO₂ rich gas entering the Heimdal area.
- Blending services with other gas entering Heimdal Riser would be required if the gas from Heimdal Entry is transported towards Draupner S (i.e. periods with low nominations in St. Fergus).



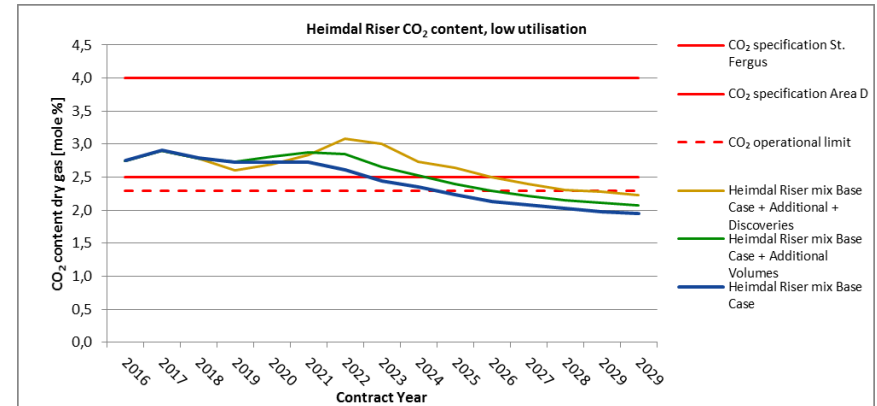
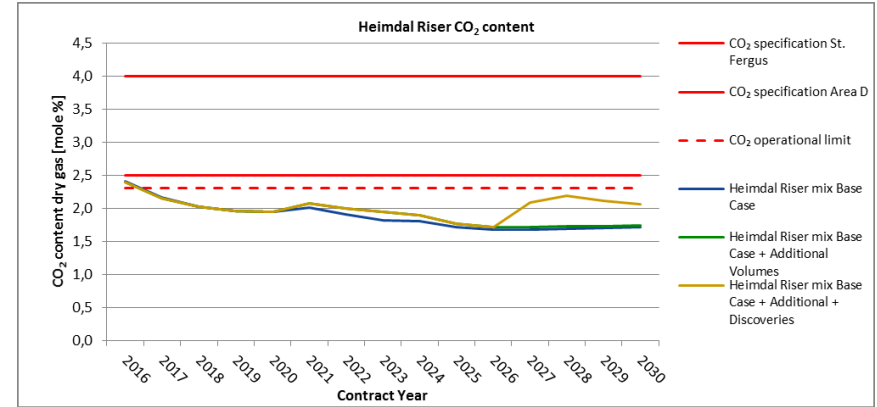
CO₂ content Heimdal Riser

Heimdal Riser: CO₂ content high utilisation

- The CO₂ content in the dry gas from Heimdal Riser is below the CO₂ specification in Area D based on scenarios with high nominations from all fields.

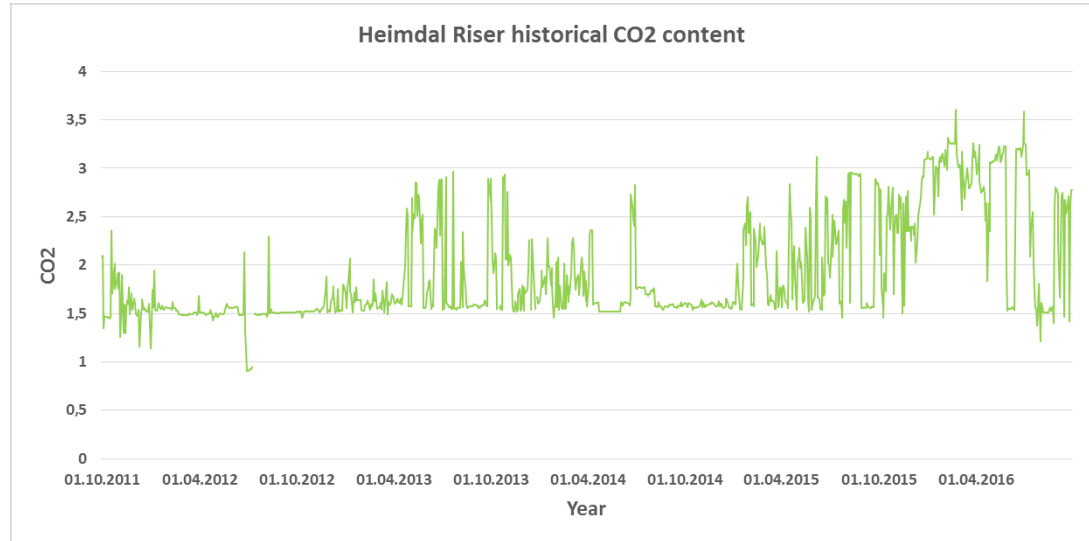
Heimdal Riser: CO₂ content low utilisation

- The CO₂ content based on low utilisation (i.e. due to outage of fields with low CO₂ content), exceeds the Area D specification of 2.5mole% most years.



Historical CO₂ content Heimdal Riser

- Historical data for Heimdal Riser and the corresponding gas towards Vesterled shows a range of 1.5-3.5 mole % CO₂
- The CO₂ content is showing an increasing trend during the last year



Observation on CO₂ range

- The CO₂ content in Vesterled could vary significantly depending on shipper nominations, future volumes and operational scenarios.
- The possibility for the shippers to route gas with higher CO₂ to Vesterled gives an opportunity for increased production from fields.
- It is therefore recommended to use a range of 1.5- 4 mole % CO₂ in the gas coming from Vesterled.