

Why Geological Carbon Storage?

Drivers

geological CO₂ storage

To keep temperatures *below* the 1.5-1.7°C rise, we need to *safely* store

- ▶ 7 – 8 GtCO₂/ yr by 2050
- ▶ *cumulatively* 350 – 1200 GtCO₂ by 2100

Requires *commissioning* of 7000 – 8000 offshore “Sleipners”, @1 Mt/yr by 2050

- ▶ *deployment* of 300 – 400 wells per year
- ▶ *monitoring* of CO₂ migration to *control* subsurface distribution & verification
- ▶ *assurance* of safe operations
- ▶ *transfer of liability* to national governments at *end of life cycle*