



MMV - Norwegian authorities' perspective

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8th International Workshop on Offshore Geologic CO2 Storage

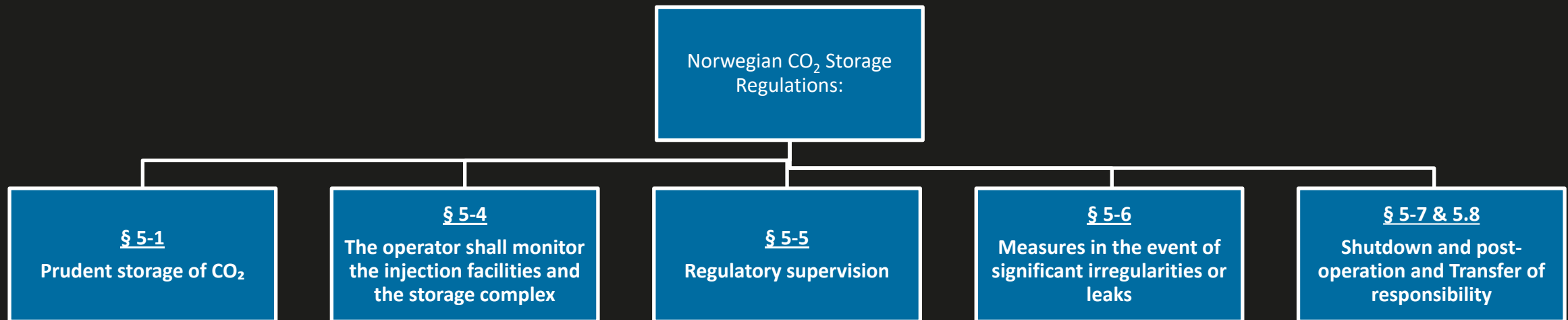
20 – 21. April 2026

Authority Perspective

- Authority management solutions range from minimum involvement to maximum involvement
- Minimum regulation level may result in some gaining an advantage, which will affect resource optimization
- Maximum regulation level may lead the authorities to adopt a more conservative level, which will affect resource utilization

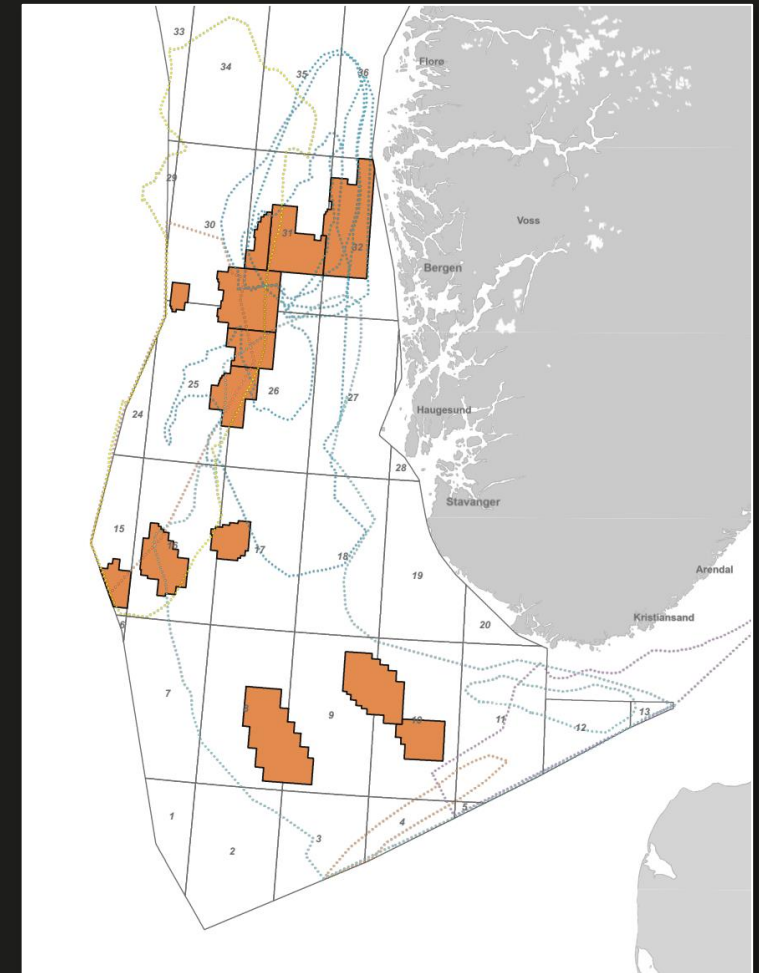


Norwegian Regulations on monitoring



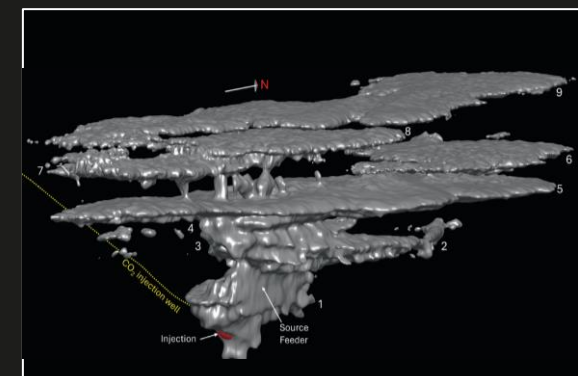
Safe storage

- Award – Behov and underground knowledge
- Work program
- Data acquisition during drilling
- Monitoring plan – turning uncertainty into managed risk

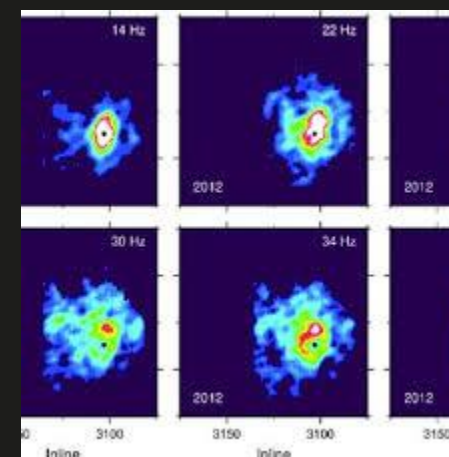


Monitoring plans

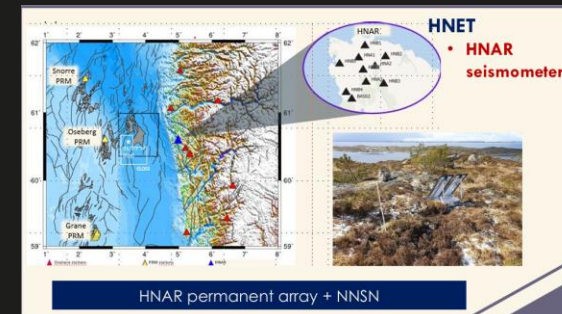
- Sleipner: 4D seismic works
- Snøhvit: Pressure increase
- Northern Lights: Includes monitoring av possible induced seismicity



Sleipner CO2 plume (Source: Vinje et al., First Break, 2025)



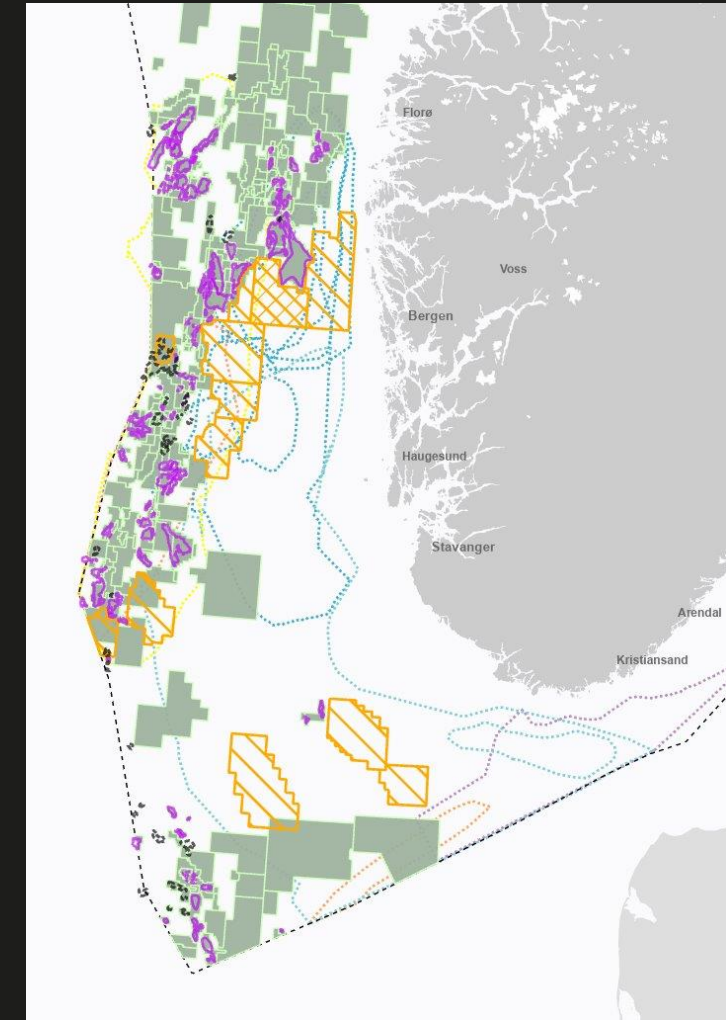
White, James et al. (2018).



HNAR (Source: Northern Lights., GEOSTOR, 2024)

Coexistence

- Cooperation Forums provide an arena to address mutual interests
- Openness and shared understanding reduces the level of conflicting interests
- Common planning of MMV activities
- NOD strongly emphasizes coexistence and transparency



Conclusions

- Authorities perspective: The virtue stands in the middle
- Geological CO₂ storage is safe, but there will always be risks that cannot be removed
- MMV is an essential part of a storage permit
- Authorities to facilitate safe storage of CO₂
- Every project is unique – fit-for-purpose solution
- Monitoring plan and corrective action plan is required by authorities
- Collaboration is relevant for cost reduction and transfer of experience



THANK YOU FOR YOUR ATTENTION

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