

CO₂ Capture [Bølgen 1]

NEW CAPTURE CONCEPTS

Moderator: **Erik Gjernes**, *Gassnova*

16:45 Compact Carbon Capture
- **Torleif Kongsbakk Madsen**, *Compact Carbon Capture*

16:55 MeDORA - Membrane technology to reduce amine degradation and improve CO₂ quality
- **Luca Ansaloni**, *SINTEF*

17:05 HalZero – a net-zero carbon emission technology for Al smelters
- **Espen Tjønneland Wefring**, *Hydro Aluminium*

MEMBRANES AND ADSORBENTS

Moderator: **Erik Gjernes**, *Gassnova*

17:15 Advanced membrane-based solutions for low CO₂ concentration markets
- **Saravanan Janakiram**, *Aqualung Carbon Capture*
Co-author: Mahdi Ahmadi

17:25 Membrane testing at Returkraft Waste-to-Energy plant
- **Ketil Bergmann**, *Returkraft*

17:35 Sorbent-based CO₂ Capture: Challenges and outlook
- **Anna Lind**, *SINTEF*
Co-authors: Richard Blom, Shreenath Krishnamurthy, Roberto Mennitto, Schalk Cloete, Giorgia Mondino

VALUE CHAINS

Moderator: **Erik Gjernes**, *Gassnova*

17:45 Optimal value chain for CCS cluster at Norwegian west coast
- **Tiril Fjeld**, *CCS Haugalandet*

17:55 CO₂ capture onboard ships (Everlong)
- **Ragnhild Skagestad**, *SINTEF*

18:05 How a local CO₂ value chain became a possible national CO₂ hub
- **Audun Aspelund**, *Lyse*
Co-authors: K. Jordal, S. Breivik, R.S. Kristensen, Donghoi Kim, Simon Roussanaly

18:15 Socio-technical drivers, opportunities and challenges for large-scale CCUS
- **Tuukka Mäkitie**, *SINTEF*
Co-author: Markus Steen

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Moderator: **Jørild Svalestuen**, *Gassnova*

10:00 CCS in Elkem Climate Roadmap - Status and way forward
- **Trond Sæterstad**, *Elkem*

10:15 A Climate Cure for Waste-to-Energy
- **Audun Aspelund**, *Lyse*

10:30 Drinking Water Levels of Nitrosamines and Nitramines near a CO₂ Capture Plant
- **Cathrine Brecke Gundersen**, *NIVA*
Co-authors: Armin Wisthaler, Massimo Cassiani, Magnus D. Norling, Aina C. Wennberg, François Clayer, Peter Dörsch, Muhammad Zeeshan, Marius Tednes, Nadya Leviana

10:45 Heat recovery and CO₂ capture for the ferroalloy industry
- **Kristin Jordal**, *SINTEF*
Co-authors: Halvor Dalaker, Fu Chao, Luca Riboldi, Trond Andresen, Magnus Windfeldt, Jana Jakobsen

11:00 **BREAK**

[Common area]