

I REGI AV GASSNOVA SF OG  
NORGES FORSKNINGSRÅD

Preliminary

# CLIMIT SUMMIT 2025

International Collaboration >20 years

**CLIMIT**

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International Collaboration >20 years

**Preliminary**

## 25 February

10:00-18:10 **CDR Conference**

SMART-CDR Competition:  
Student Presentations and Voting

19:00 Tapas  
Announcement of  
the SMART-CDR Award winners

## 26 February

08:30-11:00 **Side Events**

- ACT/CETP
- CO<sub>2</sub> Storage
- CCUS Standardization
- ECCSEL ERIC
- Technology Centre Mongstad

11:00 Lunch

11:50-18:25 **CLIMIT Summit**

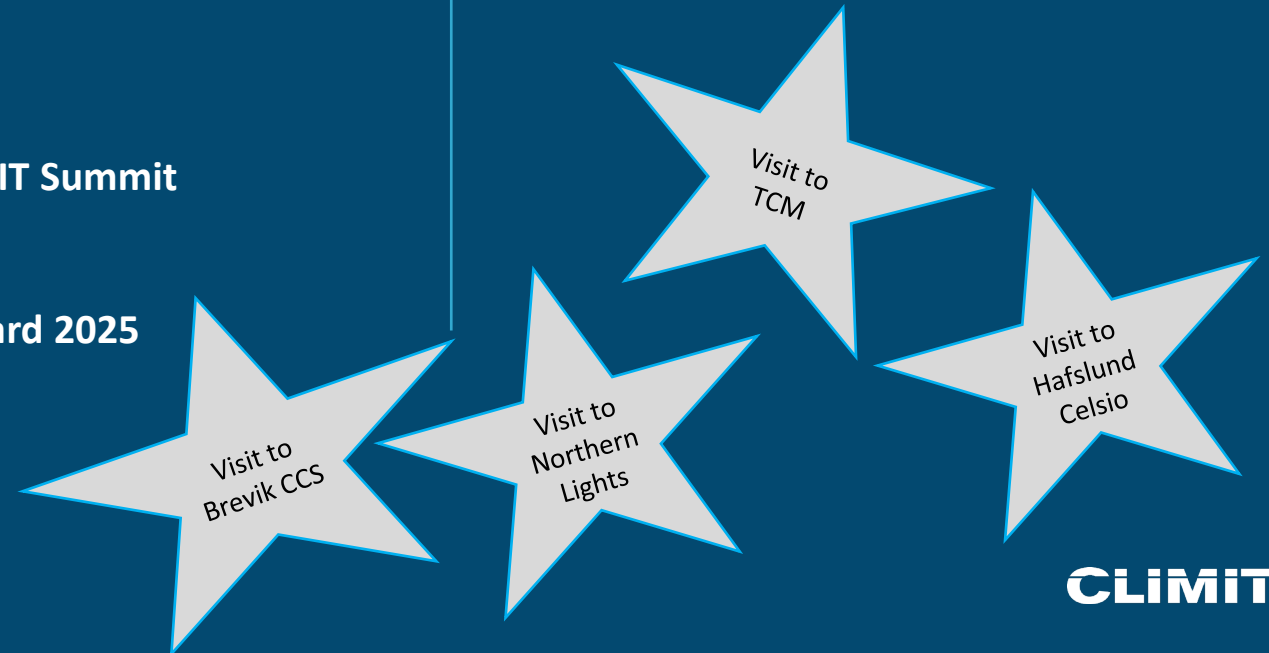
19:15 **Dinner**  
**CLIMIT Award 2025**

## 27 February

08:45-13:00 **CLIMIT Summit**

13:00 Lunch

13:00-16:30 Meeting: **MoU US&Norway**  
*by invitation only*



# 26/27/28 February, Site visits

## 26 February

<b>Brevik CCS</b> (Cement plant)	08:00-10:30 Bus on «site» 08:45-09:45	CDR Conference (pri1)/CLIMIT Summit participants <a href="#">Bus from Bølgen-Brevik-Bølgen</a>
	08:30-11:00 Bus on «site» 09:15-10:15	CDR Conference (pri1)/CLIMIT Summit participants <a href="#">Bus from Bølgen-Brevik-Bølgen</a>

## 27 February

<b>Brevik CCS</b> (Cement plant)	09:30-11:45 On site 10:15-11:00	MoU US&Norway <a href="#">Taxi/Bus from Bølgen-Brevik-Bølgen</a>
	14:15-17:00 (17:30) Bus on «site» 15:00-16:00	CLIMIT Summit participants ( can be two buses) <a href="#">Bus from Bølgen-Brevik-Sandefjord Airport</a>

## 28 February

<b>Technology Centre Mongstad</b>	08:00-13:30 On «site» 09:30-12:00	CLIMIT Summit participants <a href="#">Taxi/Bus from Bergen Bus station-TCM-Bergen Airport</a>
<b>Northern Lights</b> (CO <sub>2</sub> Hub)	08:00-13:30 On «site» 09:30-12:00	CLIMIT Summit participants <a href="#">Taxi/Bus from Bergen Bus station-Northern Lights-Bergen Airport</a>
<b>Hafslund Celsio</b> (WtE)	08:30-11:30 On «site» 09:00-11:00	CLIMIT Summit participants (max 25 pers.) <a href="#">Taxi/Bus from Oslo Central Station- Hafslund Celsio – Oslo Central Station</a>

[For more details...](#)

# 26 February, Side events

During the CLIMIT SUMMIT, five different side events will also be on offer.

- **CO<sub>2</sub> Storage** (Bølgen 1)  
26 February from 08:30-09:30
- **Technology Centre Mongstad (TCM)** (Bølgen 2)  
26 February from 08:30-09:30
- **CCUS Standardization** (Bølgen 3)  
26 February from 09:00-11:00
- **ECCSEL ERIC** (Bølgen 1)  
26 February from 10:00-11:00
- **ACT/CETP** (Bølgen 2)  
26 February from 10:00-11:00

More information available [here](#).

# Initial draft – 25 February CDR Conference Programme

Moderator: Camilla Brox

**Preliminary**

10:00	Opening of conference	15:30-16:00	Break
10:05	Opening remarks by Kristin Myskja, Director General, Ministry of Energy, Norway	<b>16:00 -17:00</b>	<b>Roundtable Carbon Markets</b>
10:15	Mission Innovation CDR Opening Remarks, U.S Department of Energy (TBC)		Opportunities and challenges in the Carbon Markets Moderator: Camilla Brox
10:30	Keynote State of CDR, Steve Smith, University of Oxford		Keynote: Update on Article 6.4 work, Tim Dixon, IEAGHG (10) Representatives from VCM, standardization and others (3-4 min. intro each + panel)
10:45-11:15	Break		
11:15-13:15	<b>SMART-CDR Competition</b> Moderator: Kay Powe, CDR Mission, Mission Innovation <ul style="list-style-type: none"><li>○ Sponsors' presentations</li><li>○ MRV keynote</li><li>○ Pitching and voting</li></ul>	<b>17:00-18:00</b>	<b>Roundtable Coalition building on CDR</b>  Discuss building the structures and infrastructure in place to foster global CDR collaboration and support global deployment. Session hosts: <ul style="list-style-type: none"><li>- Artur Runge-Metzger, State of CDR</li><li>- Andy Lam, CarbonRun</li><li>- CDR Mission (Mission Director) (TBC)</li></ul>
13:15-14:15	Lunch		
14:15-15:30	<b>What is going on in BiCRS, DAC, EM?</b> Breakout sessions: DAC BiCRS EM		Participants in roundtable (3-4 min. intro each + panel)
		<b>18:00-18:10</b>	<b>Summing up</b>
		<b>19:00-21:00</b>	<b>Tapas</b> <ul style="list-style-type: none"><li>○ Announcement of the SMART-CDR Award winners</li></ul>

**CLIMIT**

# 26 February, CLIMIT Summit part I

Preliminary

11:00-11:45

**Lunch**

Moderator: Kari-Lise Rørvik

11:50

**Welcome**, Arvid Nøttveit,  
Chair Programme Board

12:00-12:10

**Live CO<sub>2</sub> demonstration**,  
Jan Martin Nordbotten, UiB

**12:10-13:10**

**CLIMIT 20 years**

The IEA's status of CCS worldwide, TBC

Terje Aasland, Norwegian Minister of Energy

EC, TBC

Netherlands, TBC

US DOE, TBC

Panel session

**13:10-14:05**

**Status Longship**

13:10

Northern Lights

13:25

Brevik CCS

13:40

Hafslund Celsio

13:50

Åse Marit Hansen/Inga Askestad,  
SLB Capturi

14:00

Gassnova,  
Morten Henriksen, CEO

14:05-14:40

**Break**

# 26 February, CLIMIT Summit, part II

Preliminary

Moderator: Tim Dixon, IEAGHG

**14:40-15:45**

**What are the key areas of Research, Development & Innovation in CCS toward 2040?**

14:40

Eadbhard Pernot, ZEP

Keynote, TBC

FME gigaCCS, Mona Mølnevik

Conversation with short introductions

Norway (William Christensen, Ministry of Energy)

Saudi Arabia (Abdullah Alkudhair, King Abdulaziz City for Science and Technology)

Netherlands (Martijn van de Sande, RVO)

UK (Charlotte Powell, Department for Energy Security and Net Zero)

Departments from different countries, TBC

15:45-16:15

**Break**

16:15-16:35

## CLIMIT toward 2030

16:15

Keynote Gassnova, Morten Henriksen, CEO

16:25

Keynote The Research Council of Norway, TBC

# CCS Speed Dating

*CO<sub>2</sub> CAPTURE; New Capture Concepts & Membranes and Adsorbents & Value Chains*

### New Capture Concepts

Moderator: Erik og Jørild

- 16:45-16:55 Status Compact Carbon Capture, Torleif Kongsbakk Madsen, Baker Hughes
- 16:55-17:05 More efficient amine-based CO<sub>2</sub> capture, Luca Ansaloni, SINTEF
- 17:05-17:15 HAI Zero – zero emission technology for Al smelters, Espen Wefring, Hydro

### Membranes and Adsorbents

Moderator: Erik og Jørild

- 17:15-17:25 Membrane-based solutions for CCUS in shipping, Mahdi Amahdi, Aqualung Carbon Capture
- 17:25-17:35 Membrane testing at Returkraft Waste-to-Energy plant, Ketil Bergman, Returkraft
- 17:35-17:45 Sorbent-based CO<sub>2</sub> Capture, Anna Lind, SINTEF

### Value Chains

Moderator: Erik og Jørild

- 17:45-17:55 Optimal value chain for CCS cluster at Norwegian west coast, Tirild Fjeld, CCS Haugalandet
- 17:55-18:05 CO<sub>2</sub> capture onboard ships, Ragnhild Skagestad, SINTEF
- 18:05-18:15 Value chain for small scale CO<sub>2</sub> emitters, Audun Aspelund, Lyse
- 18:15-18:25 Drivers, opportunities and challenges for large-scale CCUS, Markus Steen, SINTEF



16:15-16:35

## CLIMIT toward 2030

16:15

Keynote Gassnova, Morten Henriksen, CEO

16:25

Keynote The Research Council of Norway, TBC

# CCS Speed Dating (5 min. each project)

*CO<sub>2</sub> TRANSPORT; Risk reduction & Value chain & CO<sub>2</sub> specification*

### Risk reduction

Moderator: Ernst Petter Axelsen

- 16:45-16:55 IntoCloud – data and validated models for improved computational tools for CO<sub>2</sub> leakage and dispersion  
Hans Langva Skarsvåg, SINTEF Energy
- 16:55-17:05 OLGA Robust, Enhanced and Accurate CO<sub>2</sub> Handling,  
Tor Haugset, Schlumberger Information Solution AS
- 17:05-17:15 CO<sub>2</sub> two-phase flow in pipelines and wells, Zhilin Yang, Equinor

### Value chain

Moderator: Ernst Petter Axelsen

- 17:15-17:25 CO<sub>2</sub> mass-meter for installation in full-size CCS-facility, Martin Nese, Cignus Instruments AS
- 17:25-17:35 Monitoring and control of networks for CCS,  
Yessica Arellano, SINTEF Energy
- 17:35-17:45 CO<sub>2</sub>LOS IV – CO<sub>2</sub> Logistics by Ship Phase IV, Ragnhild Skagestad, SINTEF Industry

### CO<sub>2</sub> specifications and corrosion

Moderator: Ernst Petter Axelsen

- 17:45-17:55 CO<sub>2</sub> effect on polymeric materials within the CO<sub>2</sub> transport chain, Ben Alcock, SINTEF Industry
- 17:55-18:05 Effects of impurities in CO<sub>2</sub>, results from the Kjeller Dense Phase Corrosion Project (KDC-IV)",  
Gaute Svenningsen, IFE
- 18:05-18:15 Challenges related to H<sub>2</sub>S in CCS pipelines,  
Klas Solberg, DNV
- 18:15-18:25 Discussions about CO<sub>2</sub> specification

- 16:15-16:35**      **CLIMIT toward 2030**
- 16:15              Keynote Gassnova, Morten Henriksen, CEO
- 16:25              Keynote The Research Council of Norway, TBC

# CCS Speed Dating (5 min. each project)

*CO<sub>2</sub> STORAGE; Monitoring, Simulation, Well, Reservoir, Caprock and Social Science*

## Monitoring and simulation

Moderator: Aage Stangeland

- 16:45-16:55    Sparse Passive-Active Reservoir monitoring, Peder Eliasson, SINTEF
- 16:55-17:05    SHAPE - Seafloor Height from Aqua Pressure for offshore CO<sub>2</sub>, Ola Eiken, Quad Geometrics Norway AS
- 17:05-17:15    Risk-based framework for assessing CO<sub>2</sub> storage monitoring, Kirsti Midttømme, NORCE

## Well

Moderator: Kristian Stangvik

- 17:15-17:25    Securing gigaton CO<sub>2</sub> Storage: Advanced Characterization for near Well Integrity and Leak Detection, Amir Ghaderi, SINTEF
- 17:25-17:35    CO<sub>2</sub>DataShare 2.0 – Advancing the CO<sub>2</sub>DataShare digital platform for sharing CCS data with the world, Grethe Tangen, SINTEF
- 17:35-17:45    Unloading system for direct CO<sub>2</sub> injection, Christian Falck, Nemo Maritime AS
- 17:45-17:55    Development of new technology for real-time logging of formation resistivity for core drilling Equipment, Per Erik Berger, CoreAll AS

## Reservoir and Caprock

Moderator: Aage Stangeland

- 17:55-18:05    Leveraging Under-utilized Shale Data for Better CO<sub>2</sub> Containment Risk Evaluation, Jung Chan Choi, NGI
- 18:05-18:15    THERMESI - Thermal effects on seal integrity, Tore Ingvald Bjørnarå, NGI

## Social Science

- 18:15-18:25:    Value chains for CO<sub>2</sub> storage and blue hydrogen in Europe, Rolf Golombek, Frish-senteret

# 27 February, CLIMIT Summit (part I)

Preliminary

08:45-08:50 Welcome, day 2 Moderator Kari-Lise Rørvik

## 08:50-09:30

### International Collaboration

08:50 TBC  
09:00 Mission Innovation and CEM CCUS, Juho Lipponen, Coordinator of CEM CCUS and MI CDR  
09:10 ECCSEL ERIC, Klaus Mosbacher  
09:20 European Plan for R&D, Marie Bysveen, SINTEF

09:30-10:00

Break

## Technical sessions

### CO<sub>2</sub> CAPTURE (Bølgen 1)

Moderator: Erik Gjernes

10:00-10:15 CCS in Elkem climate roadmap - status and way forward, Trond Sæterstad, Elkem  
10:15-10:30 A Climate Cure for Waste-to-Energy, Audun Aspelund, Lyse  
10:30-10:45 Drinking Water Levels of Nitrosamines and Nitramines near a CO<sub>2</sub> Capture Plant, Cathrine Brecke Gundersen, NIVA  
10:45-11:00 Heat recovery and CO<sub>2</sub> capture for the ferroalloy industry, Kristin Jordal, SINTEF

11:00-11:45 Break

### CO<sub>2</sub> TRANSPORT (Bølgen 2)

Moderator: Ernst Petter Axelsen

10:00-10:15 How can we develop a national infrastructure for CO<sub>2</sub> transport in Norway?, Ragnhild Skagestad, SINTEF Industry  
10:15-10:30 CO<sub>2</sub> logistic in Northern Norway, Ragnhild Skagestad, SINTEF Industry  
10:30-10:45 New and robust simulator for CO<sub>2</sub> flow, Jan Gerhard Nordstrøm, Leda Flow  
10:45-11:00 Data and models to optimize maritime CO<sub>2</sub> transport and offshore injection, Svend Tollak Munkejord, SINTEF Energy

11:00-11:45 Break

### CO<sub>2</sub> STORAGE (Bølgen 3)

Moderator: Kristian Stangvik

10:00-10:15 Well Barrier Integrity Test Unit – BTU, Sören Ulonska, Vedeld AS  
10:15-10:30 Well control for CO<sub>2</sub> wells, Sven Inge Ødegård, eDrilling AS  
10:30-10:45 CO<sub>2</sub> storage in Basalt deposits, Stéphane Polteau, IFE  
10:45-11:00 Improvements in digital technology to address the broad challenges of multi-site CO<sub>2</sub> injection, Sarah Gasda, NORCE

11:00-11:45 Break

# 27 February, CLIMIT Summit (part II)

Preliminary

11:45-12:50

## Knowledge sharing across borders

Moderator: Olav Øye, Bellona

Keynote, U.S. Department of Energy  
Keynote, Jarad Daniels, GCCSI

Conversation with short introductions

Jon Christoffer Knudsen, SLB Capturi

Hussein Hoteit, King Abdullah University of Science and Technology (Presenting relevant projects in Saudi Arabia)

Jannicke Bjerkaas, Hafslund Celsio

Pia Prestmo, Heidelberg Materials

Nick Davis, Drax CCS&CDR Industries

CCS&CDR Industries (TBC)

12:50-13:00

## Closing remarks

13:00-14:00

## Lunch