



US - NORWAY COLLABORATION ON CCS/CCUS

June 2022

Capture Breakout Session

Agenda Capture

- 13.45 Introduction; Lynn Brickett; DOE, Åse Slagtern; RCN
- 14.00 Discussion and updates on projects
ACT2 projects/ACT3 Projects; Aage Stangeland; RCN/ Lynn Brickett; Panel discussion
- LAUNCH (Gary Rochelle, University of Texas),
 - MemCCS (Solon Oikonompoulos)
 - Prisma (Rahul Anantharaman, SINTEF Energy)
 - NextCCUS
 - CoCaCO2La
 - Scope (Karl Anders Hoff, SINTEF)
 - Everlong (Ragnhild Skagestad, SINTEF)
- 14.30 Break
- 14.45 Other Capture and Industrial CCUS ; Jørild Svalestuen; Gassnova and Lynn Brickett;DOE
Panel discussion
- Norway (Hydro, Air Products, 3C-Baker Hughes, Hydrogen Mem-Tech) (5min each)
 - USA NCCC/University of Texas – Frank Morton, Gary Rochelle (10 min)
- 15.35 CDR
Mission Innovation CDR, a summary of workshop on CDR, potential cooperation's, Lars Ingolf Eide; RCN
Carbon negative shot, Noah Deich; DOE
- 15.50 Summing up and next meeting



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US-Norway Mou focus

R&D



Demo



Full scale



CLIMIT
RESEARCH COUNCIL AND GASSNOVA

CC₂ TECHNOLOGY CENTRE MONGSTAD

GASSNOVA

eccsel
eric

NCOS
NORWEGIAN CCS RESEARCH CENTRE

fim

Accelerating
CCS
Technologies



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US-Norway Collaboration on CCS/CCUS - Capture

What is it all about

Competence building

Data and Knowledge Sharing

Accelerating development

Lowering cost and risk

Mutual access to test facilities

Priority Capture

Carbon capture R&D

Large scale testing of CO₂ capture technologies

Also discussed

Industry/waste

Utilization

Hydrogen (blue)

Transport



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US-Norway Collaboration on CCS/CCUS – Achievements Capture

Access to and use of capture test facilities, infrastructure and projects

- Technology Center Mongstad (TCM)
 - contributed to companies have qualified their technologies
 - CRADA between DOE NETL and Gassnova
 - Modelling and data collection at TCM
- SINTEF (Tiller), cooperation with several US companies
- Common calls through ACT
- US-Norway industry development



Status ACT calls with US

2nd ACT call for proposals

Funding agencies from 11 countries

12 new projects decided for funding in 2019

7 (7) with US (and Norway)

USA and France included as new countries

31 M€ from ACT

3rd ACT call for proposals

Funding agencies from 15 countries

13 new projects decided for funding in 2021

6 (3) with US (and Norway)

India, Canada, Denmark and Italy included as new countries

30 M€ from ACT

4th ACT call for proposals

Funding agencies from 5 countries, both US and Norway

14 M€ from ACT

Deadline 12th September 2022

US-Norway Collaboration on CCS/CCUS- achievements

- Mission Innovation phase 1
- Mission Innovation CDR
- International Test Center Network Meetings
- CLIMIT Summit meetings
- NETL Pittsburgh meetings
- DOE/NETL Capture meeting – August 2017
- Other organizations
 - CSLF
 - CEMCCUS



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EMPOWERING IDEAS FOR A BETTER WORLD

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