

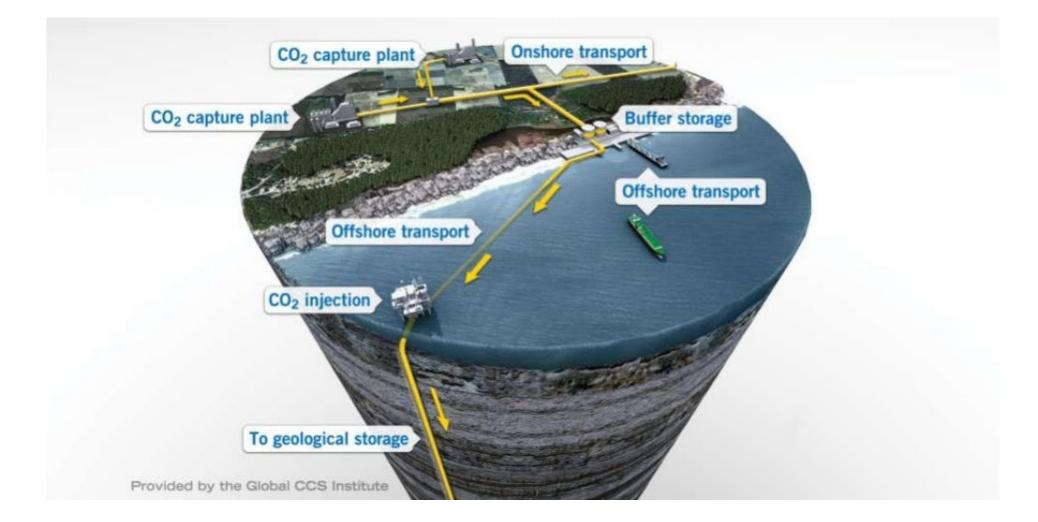
Paving the way for deployment of CCUS

A report from the Baltic Carbon Forum, 22-23 October, Tallinn

Ingvild Ombudstvedt, IOM Law

CCUS – Needed for the 1,5°C scenario





World-wide deployment of CCUS





A SET OF KEY CCS FACILITIES BY INDUSTRY

 $\begin{array}{c} \text{Quest} \\ \text{Over three million tonnes of} \\ \text{CO}_2 \text{captured and stored} \end{array}$

Over one million tonnes of CO₂ captured and used mainly for enhanced oil recovery

Petra Nova Carbon Capture-

Two million tonnes of CO₂ captured and used for enhanced oil recovery

Air Products Steam Methane Reformer Four million tonnes of CO₂ captured and used for enhanced oil recovery Norway Full Chain CCS Progressing into detailed studies

Sleipner CO₂ Storage Over 20 years of successful operations, 17 million tonnes of CO₂ stored

First large-scale application of CCS on biofuels production in the world

> Petrobras Santos Basin Pre-Salt Oil Field CCS Seven million tonnes of CO₂ injected into producing reservoirs

Abu Dhabi CCS World's first operational CCS project in the iron and steel sector

> . Gorgon Carbon Dioxide Injection It will be the world's largest CCS facility in dedicated geological storage when operations start in 2019

Tomakomai CCS Demonstration Japan's first fully integrated CCS development

Jilin Oil Field CO₂ EOR Scaled up to large scale operation in 2018

Yanchang Integrated CCS Demonstration Reached final invenstment decision in March 2017



BASRECCS - The network for CCUS professionals in the Baltic Sea Region



SWEDEN

NORWAY

GERMANY

DENMARK

FINLAND

ESTONIA

LATVIA

LITHUANIA

POLAND

RUSSIA



To help enable at least one full-scale CC(U)S project go live in the Baltic Sea Region by 2030, followed by network of CC(U)S projects by 2040;

by working closely with industry, research and others to:

- 1. promote CCS and CCUS;
- 2. build tools for and facilitating networking; communication and collaboration;
- contribute to and facilitate for capacity building through education and dissemination; and
- 4. initiate and facilitate projects and activities.





- Arrange an annual Baltic Carbon Forum;
- Being an active part of the EU BSR strategy and work closely with the newly established ministerial CCUS network;
- Follow, facilitate and report on CCUS projects, activities and events;
- Collaborate with international clubs and associations for CCUS; and
- Build a presence in the region through meetings with key stakeholders and participation to events like TCCS-10, CO₂Geonet Open Forum, Biannual Conference on Negative CO₂ emissions etc.



BCF

October 22-23, 2019

Tallinn, Estonia

More than 70 registered delegates

Knowledge sharing and collaboration across disciplines and countries

Building new consortia and projects

Call for action



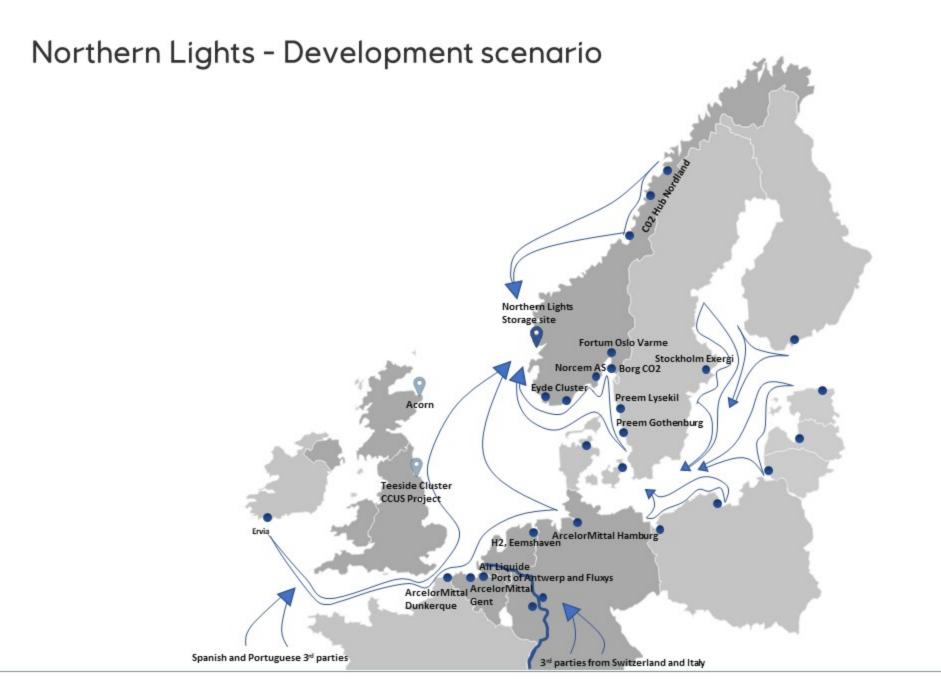
BASRECCS

CARBON

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(2) Nordic Hotel For









Cross-border projects needed to deploy more projects

CCUS projects eligible for Projects of Common Interest (PCI)

Identified barrier in the London Protocol Article 6 removed





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Thank you!