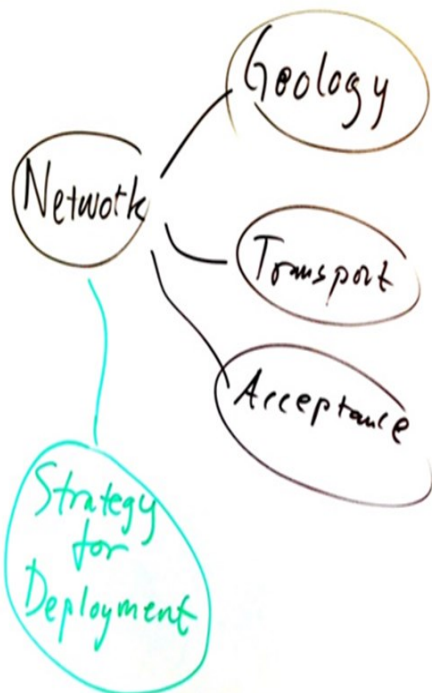


Phase 3A
2013-2014
Catalogues, Survey,
Network Design

Phase 3B
2014-2015
Implementation
and Operation

Phase 3C
2016
Independent CCS
Expertise Network

BASRECCS DIRECTIONS:



“Transportation and storage solution for CO₂ in the Baltic Sea Region - Regional Expert Network”

The intergovernmental Baltic Sea Region Energy Co-operation (BASREC) initiated in 2010 a process on Carbon Capture and Storage, CCS. Its main components were a comprehensive, regional study to establish current status, an initial, regional conference and the development of a network for experts and stakeholders in the region. The Network was established during 2014 and through additional financial support in 2015, from the Nordic Council of Ministers, strengthened its activities as a regional actor with the ultimate objective of supporting the long term deployment of CCS in the region. The BASRECCS Network consists by the end of 2015 first and foremost of its members, its Task Forces and a Core Group (advisory role). To their support and for network development there are also of central coordination and secretarial functions.

The project period, from mid-2014 through December 2015 was structured into five work packages in addition to an information plan:

- A/ Network development
- B/ Network activities
- C/ Management, fundraising and financing
- D/ Conference
- E/ Networking

The key objectives for the project of a regional CCS expertise network were to

- Strengthen regional cooperation through an active CCS expertise network in the Baltic Sea Region. The region's experts, decision makers and stakeholders should benefit from the network.
- Create a network, which can maintain and develop activities over time.
- Establish a network and secure additional funding such that the network has become independent of BASREC funding latest as of 1st January 2016.

Through its activities the Network has essentially met the two first objectives and established itself as an actor in the field of CCS in the region. More than seventy qualified CCS professionals and decision makers from nine of the eleven BASREC countries plus additional experts from UK, Ireland and Belgium have devoted time and efforts to the Network and another two hundred are on the mailing list. This verifies that the Network is established, cooperation has been strengthened and that the perceived benefits have been tangible. A network structure has been agreed which together with at least two large and viable project initiatives form the basis for maintaining and developing activities over time. Currently work is ongoing to secure funding both for these projects and for the further central network functions.

A number of network members have invested a significant number of hours as in-kind contribution which is also good evidence for the demand for regional partnership. This support has to a large extent been guaranteed also for the coming period.



BASRECCS

Task Forces

The essential project development work is performed in Task Forces. The two currently most active are dedicated to geological storage and communication, respectively. In conjunction with the two regional conferences during 2015 and in separate meetings on-line and in-real-life, senior experts have in iterative processes developed viable project ideas, highly relevant for the region.

For geological storage an application for seed funding has been submitted to the European Union Strategy for the Baltic Sea Region, EUSBSR. The idea is to mobilize a large scale research project to take forward the geological characterization of the south east Baltic Sea area, building on prior research projects. This project represents a break-through approach for regional research collaboration, intended to involve geological expertise from a number of the Baltic Sea rim states.

The Council of Baltic Sea States secretariat writes:

The Permanent International Secretariat of the Council of the Baltic Sea States, CBSS with its Unit Baltic 21, as the coordination of the Horizontal Action CLIMATE of the Action Plan to the EU Strategy for the Baltic Sea Region, hereby expresses its support to the project "CO2 Geological Storage in the Baltic Sea Region" (CGS Baltic), led by Geological Survey of Finland and its application for funding from the EUSBSR Seed Money Facility.

The second task force initiative pertains to the public perception of CCS, which varies widely in the region. With influence from how this topic has been dealt with in other European projects, Task Force Communication embarked on an idea to build a knowledge sharing program. An initial project description forms the basis for a similar funding process, planned to be pursued during the winter/spring 2016. A development project could be labelled "CCS Stakeholder Dialogue".

States the Task Force:

Science increasingly points to the dangers of climate change and various mitigation plans continue to emphasize the critical role of CCS to limit temperature increase. CCS moves increasingly to the forefront as a critical tool (see appendix), but one for which policy makers and the general public has little knowledge and awareness. CCS investment, demonstration projects and large-scale deployment are behind the targets. This situation is not sustainable in the long term and more action is needed to be taken. The need for CCS implementation also in the Baltic Sea countries, their collective belonging and tradition of cooperation makes them very well suited for common initiatives on the way forward.

Q3 2014: The project was initiated and organized through

Project start meeting (Stockholm)

Meeting with COWI (Copenhagen) about the website, <http://basrec.net/ccs-initiative/network/>

Uploading project reports from project phase 3A (Survey and Design)

Filing an application to the (NCoM) 28th August for complementary funding

Opening of the network registration function 14th August 2014

Project meeting 16th September with the Nordic Council of Ministers Office in Tallinn to present the project, gain support for the application and propose cooperation for the planned conference spring 2015

Q4 2014: The project saw its first network activities within

A meeting with Krista Kampus, Senior Advisor at the Council of the Baltic Sea States CBSS, to present the project, to inquire about the possibilities to use the CBSS Project Support Facility PSF and to solicit advice about and seeking support from EU regional programmes

Opening network workshop 15th October (Stockholm) with 16 participants from 6 countries. Participants expressed enthusiasm and support for the network. In break-out sessions several proposals how to arrange the governance, networking content and fundraising were documented. An Interim Core Group and task force chair persons were appointed

The first in a series of Newsletters was distributed to the Network members

Task Force (Geological) Storage was first out to start planning for the further work with an application for funding of a larger, regional project, building on current knowledge about geological storage opportunities in the south east region of the Baltic Sea

The opportunities to use the content management part of the Global CCS Institute's website were explored in a meeting but were until further notice tabled

Informal confirmation was received 2nd December, about the positive outcome of the funding application to the NCoM. The 2015 work plan for the Network was updated accordingly



2015

Q1 2015: Preparations of the first Network conference and initiating Task Force activities:

The final confirmation of the complementary funding from the NCoM was received 3rd February 2015, encouraging to increase the Network ambitions for 2015

Task Force storage conducted a web based survey to surface a number of project scope ideas and held virtual preparatory team meetings

Secured support from GCCSI and CCSP for the first annual conference, Baltic Carbon Forum to be held in Tallinn, April 2015

Mobilizing speakers and preparing an attractive conference program

Prepared for a formal Network launch meeting to formalize organization set-up for 2015

Two Core Group meetings (phone) conducted to confirm conference program and 2015 orientation

Q2 2015: The Baltic Carbon Forum and Task Forces meetings in Tallinn:

Some 35 delegates met for two days in Tallinn in three combined sessions, Conference, Task Force meetings (3) and a formal Network launch meeting – conference report issued

Meeting held with NCoM Tallinn office for orientation

Meeting in Stockholm with CBSS to consider a formal, future Network affiliation under its umbrella

Meeting in Stockholm with Föreningen Norden to understand further funding opportunities

Work in Task Force Storage to prepare the basis for a project funding application

Application for associate membership with the Global CCS Institute

Q3 2015: Task Force work and preparing a second BCF in Warsaw:

Design and construction of an independent Network website

Task Force Storage prepared and filed a Seed Funding Application with the EUSBSR

Representing the Network at a GCCSI conference in Glasgow, focusing UK CCS deployment as well as a GCCSI membership meeting

Meeting with the Polish Ministry of Economy in Warsaw in preparation of 2nd BCF

Q4 2015: Consolidating the Network:

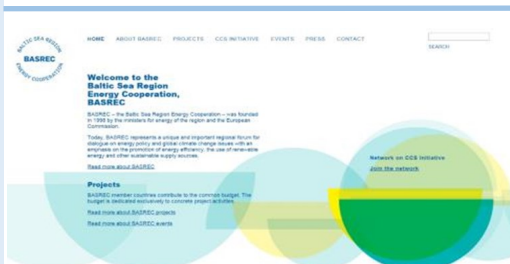
Network development

The network development followed three main tracks: a) organization, tools and facilities, b) meetings and face-to-face interaction and c) substantive work in Task Forces.

Four main events have been conducted to create and develop a solid network platform and to deploy networking as a tool for cooperation around CCS in the Baltic Sea Region. The annual conference has been labelled “Baltic Carbon Forum” as a branding tool to strengthen the Network’s outreach in the region: branding tool to strengthen the Network’s outreach in the region:



These events have been reported separately on the Network’s website. The Warsaw BCF was arranged on demand from the networking members and was not included in the original working plan.



BASRECCS

<http://basrec.net/>

<http://bcforum.net/>

BASRECCS network 2016 and onwards

The network has 56 registered members (and the number is increasing), 23 associated members (contact persons, taking part in Task Forces work but not registered members, etc.) and almost 200 mailing list entries.

The basic idea for the network design is to continue to keep the central organisation on a modest level without standing structures. Instead the Network should be leaning on member support, virtual solutions and have as its core idea to drive projects of vital interest and importance for the long term, regional CCS deployment. Mobilizing and starting these projects will be the main Network activities and the projects should also include some central networking services on their respective budgets. It is essential to find a relevant affiliation for the network. The CBSS has kindly extended a direct invitation to the Network to become an affiliated Network under their umbrella, a proposal which is now being considered.

The next step is the preparation for the BAL-TIC CARBON FORUM 2016. This year Finland chairs the Nordic Council of Ministers. Finland has been/is an active player within CCS. VTT Technical Research Centre of Finland Ltd, being one of the leading research and technology companies in the region, has conducted several projects on CCS. Geological Survey of Finland (GTK) is chairing the Network's Task Force Storage, preparing a large regional project. These are some of the reasons why

Helsinki, following Tallinn and Warsaw, would be an excellent venue for the next BCF 2016.

The aims of the Baltic Carbon Forum 2016 are

- to receive the annual reporting from the Task Force, other presentations, discussions, concluding event and membership meeting (40-60 delegates on site, 100 on line in the network);
- to show an efficient way of networking: TF meetings, a forum and a streamed event;
- to present the CCS Stakeholder Dialogue Program; and
- to introduce a possible new TF Simulation process.

The network is established. One planned, regular conference was arranged and in addition, one extra conference was conducted. The Network is an associated member of the Global CCS Institute and is negotiating further funding and affiliation. The first Seed Funding Application has been filed and the second is well underway. The further network success is tightly linked to any major development project being funded and mobilized. Therefore the current volunteer work by Network members is invaluable in securing the Network's medium and long term future.



One of the tasks of the BASREC project was to find additional resources to carry out the project during the long one-and-a-half-year project period simultaneously also bringing third parties into the enlarged networking and paving the way for financing of the independent network from 2016. In addition to a large in-kind contribution from networking members and their employers



norden

Nordic Council of Ministers

1. The **Nordic Council of Ministers** entered the project 2015 and has contributed to an enlarged conference activity, building communication tools and work in the Task Forces



ccsp
Carbon Capture and Storage Program

2. The **Finnish CCS programme CCSP** provided catering contribution in the first conference in Tallinn



3. The **Ministry of Economy in Poland** kindly hosted the second conference on CCS on October 29 -30, 2015 including conference facilities, interpretation services and conference catering



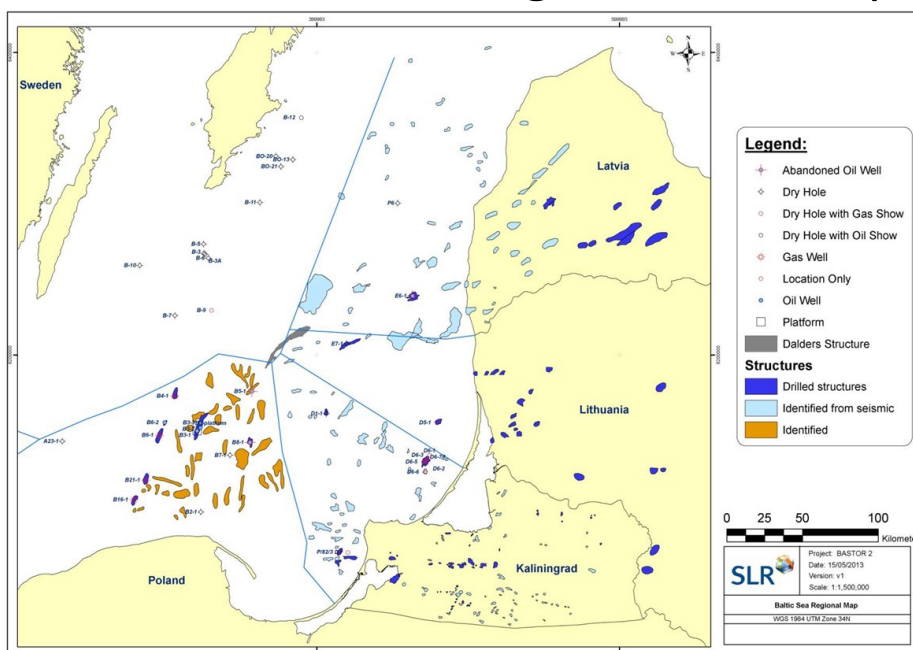
4. **Energiforsk in Sweden** hosted the launching workshop 14th October, 2014

SUPPORTED BY



5. **Global CCS Institute** approved an associated membership application and opened their website facilities for the network

The Jurisdictional Challenge – one example:



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