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# **Report on activities of the Baltic Sea CCS Network**



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CCSP WP 5.1.2**

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**Technical Research Centre of Finland  
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**Key words:** Baltic Sea, CCS network

## **Abstract**

Work package 5.1.2 is focused on international collaboration in the Baltic Sea region primarily related to potential of CO<sub>2</sub> storage in the region. Baltic Sea is surrounded by 9 countries each having own territorial waters and many of the potential storage sites are controlled by more than only one Baltic Sea country. In practice, possible implementation of CO<sub>2</sub> storage in Baltic Sea region requires collaboration of several countries.

The main focus of work package 5.1.2 is on evaluation of potential storage capacity in Baltic Sea region but another topic is establishing more active discussion between stake holders from Baltic Sea countries on CCS related topics.

The original target was to establish a Baltic Sea CCS Network by CCSP program. Simultaneously very similar plans have been presented by other actors and therefore it has been decided to collaborate with other organisations and establish only one CCS Network.

Espoo, January 2015

## Summary of activities

Establishment of the Baltic Sea CCS Network is aimed to create a discussion and information exchange platform in Baltic Sea region in order to enhance open discussion on implementation of CCS especially in the Baltic Sea region.

The original plan was to establish a Baltic Sea Network by CCSP program in order to enable CCS related discussion between experts and CCS stake holders of Baltic Sea countries. Contacts were established to Estonia, Lithuania, Latvia, Poland, Sweden, Denmark and Russia in order to promote Baltic Sea CCS Network. Contacting was started already in the beginning of the CCSP program and it has been continued during the program. The original idea was to invite scientist, experts, authorities and industrial operators to join the network in order to enable open discussion and exchange of information.

The CCSP activity has not yet organised any specific Baltic Sea CCS network meetings or workshops but meetings have been organised in connection to other meetings or workshops. The aim was to organise also a specific Baltic Sea CCS Network workshop.

Same time evaluation of potential CO<sub>2</sub> storage capacity in Baltic Sea region was done in collaboration between CCSP program and the Swedish CCS project (Bastor). The Bastor project covered primarily offshore areas of several Baltic Sea countries and thus collaboration between different Baltic Sea countries was necessity to carry out planned program. As a part of CO<sub>2</sub> storage capacity evaluation a lot of new contacts to different Baltic Sea countries were established. For example geological data was gathered from Sweden, Russia, Poland and Latvia.

The Swedish CCS project had the same idea to establish a Baltic Sea network on CCS and thus it was decided to implement this in collaboration in order to avoid overlapping networks. The Swedish CCS project was completed in autumn 2014 but the CCS network was not yet really established.

BASREC (Baltic Sea Region Energy Cooperation) has also had its own CCS initiative. BASREC is a ministerial process targeting to energy related cooperation in Baltic Sea region. The BASREC CCS initiative is focusing particularly on transportation and storage solutions for CO<sub>2</sub> in the Baltic Sea region. The first phase of the initiative was a prestudy followed by BASREC CCS Conference. In 2014 BASREC CCS initiative continued and now one of the most essential topics was establishment of Baltic Sea CCS Network. The main idea of the BASREC CCS initiative is to find how a regional joint solution could lead to a rapid and more cost-effective implementation of carbon capture and storage projects in the Baltic Sea region.

In this new situation the target of CCSP program's Baltic Sea CCS Network activity was revised and the target is to continue collaboration with BASREC CCS initiative in order to establish one Baltic Sea CCS Network. Representatives of CCSP program have already joined the BASREC CCS network.

During last years the economic conditions have been poor and interest on CCS has also suffered. This has also been reflected to establishment of the Baltic Sea CCS Network. However, the aim is still to establish the network and organise a workshop.

Although the actual establishment of the Baltic Sea CCS Network has been difficult and the plans have been revised two times the network is seen as an important platform to increase collaboration between Baltic Sea countries and thus improve possibilities to implement CCS in future in the Baltic Sea region. Baltic Sea is relatively isolated and sensitive area and thus especially if the captured CO<sub>2</sub> will be stored in Baltic Sea area an open discussion is seen very important in order to implement the CCS project successfully.



## 1 References

BASREC CCS project phase 3, Final web report 31.03.2014; Regional CCS Expertise Network 2014 -2015; "Transportation and storage of CO<sub>2</sub> in the Baltic Sea Region"