



European Networks on CO₂ Capture and Storage

Isabelle Czernichowski-Lauriol

► To cite this version:

Isabelle Czernichowski-Lauriol. European Networks on CO₂ Capture and Storage. GEOCO₂ - 5ème Colloque franco-espagnol sur le stockage géologique du CO₂, Oct 2016, Bordeaux, France. hal-01363011

HAL Id: hal-01363011

<https://brgm.hal.science/hal-01363011>

Submitted on 9 Sep 2016

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

European Networks on CO₂ Capture and Storage

Isabelle Czernichowski-Lauriol

BRGM, French Geological Survey, 3 avenue Claude Guillemin, Orléans, France

e-mail : i.czernichowski@brgm.fr, tel: +33238644655

Keywords: CCS, climatechangemitigation, geology, CO₂GeoNet, EERA, ECCSEL, ZEP, ENeRG, EuroGeoSurveys

Since the 1990's, Europe has included CO₂ Capture and Storage technology (CCS) in its research Framework Programmes. At that time, the mainly anthropogenic nature of climate change was not yet confirmed but there was sufficient concern that development of innovative emission reduction technologies began in order to be ready to implement these techniques when/if needed.

BRGM was involved in the very first European research project 'The underground disposal of carbon dioxide' (FP3) and has since continued to research CCS through major projects, including current H2020 projects. BRGM also has significant experience of collaboration through research networks.

The objectives, as well as some recent achievements and next actions of four key CCS European networks, will be presented:

- **CO₂GeoNet**, the European Network of Excellence on CO₂ geological storage, an Association registered in France and accredited by UNFCCC as a Research NGO (RINGO) – www.co2geonet.eu
- **EERA JP CCS**, the Joint Programme for CO₂ capture, transport and storage of the European Energy Research Alliance - www.eera-set.eu/eera-joint-programmes-ips/carbon-capture-and-storage
- **ECCSEL**, the European CCS Research Infrastructure - www.eccsel.org
- **ZEP**, the European Technology Platform for Zero Emission Fossil Fuel Power Plants - www.zeroemissionsplatform.eu

The importance of two other networks with an enlarged remit covering integrated and sustainable uses of the underground will also be highlighted:

- **ENeRG**, the European Network for Research on Geo-Energy – www.energnetwork.eu
- **EGS GEEG**, the GeoEnergy Expert Group of the EuroGeoSurveys association of the Geological Surveys of Europe - www.eurogeosurveys.org/expertgroups/geoenergy

The actions undertaken by all these networks are key in accelerating the development and implementation of CCS in Europe in accordance with the priorities of the SET Plan (Action 9), supporting national and regional initiatives, and for enabling scientific interaction at a global level. The Paris Agreement, including the highly challenging objective to try to limit global warming to 1.5°C, requires rapid and determined efforts in CCS technology development, knowledge transfer and capacity-building in order to implement worldwide this climate change mitigation technology. Therefore, these networks need to be called upon to play an increasingly important role and stakeholders, depending on their needs or competencies, are invited to use the services these networks offer or to join as active members.