



Project no. 038946

Project acronym: CO2NET EAST

Project title: CO2 capture and storage networking extension to new member states

Instrument: Co-ordination Action

Thematic Priority: Sustainable development, global change and ecosystems

Deliverable No 1.2 Project presentation

Due date of deliverable: 31/12/2006

Actual submission date: 30/12/2006

Start date of project: 1 October 2006

Duration: 36 months

Organisation name of lead contractor for this deliverable: Czech Geological Survey

Revision 1

Project co-funded by the European Commission within the Sixth Framework Programme (2002-2006)		
Dissemination Level		
PU	Public	PU
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

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Priority:

The CO2NET EAST Co-ordination Action addresses the Specific programme: Integrating and strengthening the European Research Area and its Priority thematic area of research ‘Sustainable development, global change and ecosystems, item 1) Sustainable Energy Systems, (ii) Research activities having an impact in the medium and longer term’, activity area SUSTDEV-1.2.7 Capture and sequestration of CO₂, associated with cleaner fossil fuel plants.

Project logo:



List of participants:

Partic. No.	Participant name	Participant short name	Country
1	Czech Geological Survey	CGS	Czech Republic
2	University of Zagreb - Faculty of Mining, Geology and Petroleum Engineering	RGN	Croatia
3	Eötvös Loránd Geophysical Institute of Hungary	ELGI	Hungary
4	Dionýz Štúr State Geological Institute	SGUDS	Slovakia
5	Institute of Geology, Tallinn University of Technology	IGTUT	Estonia
6	Geophysical Exploration Company	PBG	Poland
7	National Institute for Marine Geology and Geoecology	GeoEcoMar	Romania
8	Statoil	Statoil	Norway

Total cost: €323 260

Commission funding: €293 980

Outside of the scope of the project itself, the CO2NET EAST consortium created a “support fund” that will be filled by industrial sponsors. This fund will be closely related to the project activities. Its main purpose will be to enable active participation of further stakeholder institutions from new EU Member States and Associate Candidate Countries (besides project consortium members), especially SMEs, research institutions, universities, governmental bodies and NGOs, in European CCS networking

activities. The support will rest especially in covering their CO2NET (Carbon Dioxide Knowledge Transfer Network) seminar fees and reimbursing the travel costs of their representatives to CO2NET EAST workshops and CO2NET seminars.

Main goals of Coordination Action:

- Providing membership support to new CO2NET member organisations from EU new Member States and Associated Candidate Countries to enable them active participation in Annual Seminars and other networking activities;
- (Co-)organising several CO2NET events (seminar, workshops) in new Member and Candidate Countries;
- Disseminating knowledge and raising awareness of CO2 capture and storage technologies in new Member and Candidate Countries;
- Establishing links among CCS stakeholders in new Member and Candidate Countries and between them and their partners in other EU countries using the existing networks like CO2NET or ENeRG (European Network for Research in Geo-Energy) as well as links with the Technology Platform for Zero Emission Fossil Fuel Power Plants.

Key issues:

Due to historical development, new EU Member States and Associate Candidate Countries started to “discover” the CCS technologies somewhat later than the “old” EU-15. Moreover, the drop of industry in the 1990s and associated decrease of greenhouse gases emissions have not forced them to seek for reductions measures as intensively as the original EU-15 did. Nevertheless, recent development and industry growth, as well as the newly established emission trading system, are gradually generating demand for CO2 emission reduction measures, including CO2 capture and storage.

The public awareness of CCS technologies in new Member States and Associated Candidate Countries is generally low. CO2NET EAST should significantly increase the level of knowledge and awareness in the CCS field in new Member States and Associated Candidate Countries. Especially the transfer of know-how on CO2 capture to relevant R&D institutions is essential so that latest technological achievements are known and the level of capture and storage information provided to national/local stakeholders is well balanced.

Technical approach:

CO2NET EAST will use various means of knowledge transfer and dissemination & public awareness creation, embracing both joint activities with CO2NET and independent local actions. The most important of them will be:

- co-organisation of a CO2NET annual seminar in one of the new Member States (Warsaw, Poland, 2008)
- organisation of two regional workshops focused on CO2 capture and storage (CCS) with the main aim to attract local stakeholders - CO2 producers, ministries as well as researchers; invitation of CO2 capture experts from leading European R&D institutions is foreseen, with the help of other CO2NET members (workshops in Zagreb, Croatia, in 2007 and Bratislava, Slovakia, in 2009 are planned)
- presentations of latest CCS R&D achievements at suitable local events (professional meetings and workshops with focus on CO2 emissions, climate change, environmental geology, etc.)
- publications in national technical magazines and media
- translation to national languages and publication of the CO2NET and possibly the ZEP public brochures (both already available in English)
- creation of national websites on CCS (in national languages)
- creation of project website in English (a common website with the EneRG network at www.energnet.com)
- establishing links with the ZEP technology platform.

- establishing links with the ENeRG research network as well as contributing to the work on creating a CCS research strategy within the upcoming EU FP7 Research Programme
- carrying out liaison with the global cooperation activities within the Carbon Sequestration Leadership Forum

Expected achievements / impact:

The CO2NET EAST project aims at reducing the existing gap between EU-15 and the new EU Member States and Associate Candidate Countries. If Europe is to fulfil the Kyoto obligations and subsequently be able to carry out the much deeper emission reductions needed, the involvement of all 25 members is necessary. To achieve this goal, targeted effort is required to increase public awareness and disseminate knowledge on CCS in new member and candidate countries.

Presentation of the CO2 capture and storage technology to all important regional, national and local stakeholders (incl. policy makers), as well as to broader public, as a viable option of climate change mitigation should influence decision making at national and company level in the sense of:

- further support of R&D activities in the field of CCS
- integration of the “zero-emission concept” to energy policy of the governments, regions and big CO2 emitters
- preparing “ground” for pioneer demonstrations and/or pilot technical installations in new Member States and Associated Candidate Countries in future

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