



# Expanding CO<sub>2</sub>GeoNet activities to the whole of Europe

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# CO<sub>2</sub>GeoNet is the European scientific authority on CO<sub>2</sub> geological storage

- Created as a **FP6 Network of Excellence** in 2004
- Transformed into a non profit scientific **Association under French law** in 2008



- **Activities:**

- Joint research
- Scientific advice
- Training
- Information and communication

*As an independent and multidisciplinary scientific body, CO<sub>2</sub>GeoNet has the key role of building trust on CO<sub>2</sub> geological storage and supporting wide scale CCS implementation*

- its visibility and role has increased

**International recognition:**

- CSLF-endorsed network
- MoU with IEAGHG



# But CO<sub>2</sub>GeoNet represents only one part of Europe!



Denmark: **GEUS**  
France: **BRGM, IFP**  
Germany: **BGR**  
Italy: **OGS, URS**  
Netherlands: **TNO**  
Norway: **NIVA, RF, SPR**  
UK: **BGS, HWU, IMPERIAL**

In order to support Europe's strategy in terms of CCS demonstration and deployment as expressed in the *Climate and Energy Package* adopted in December 2008, trans-national cooperation and networking on CO<sub>2</sub> geological storage should be reinforced and enlarged to all relevant EU Member States and Associated Countries



# Pooling European scientific expertise on CO<sub>2</sub> geological storage

- Started with CO<sub>2</sub>GeoNet in 2004
- Will to expand it to the whole of Europe through collaboration with key geoscientific institutes from:
  - **CO2NET EAST** - Coordination Action on CCS (2006-2010), involving 7 R&D institutions representing 5 new EU Member States and 2 Associated Countries
  - **ENeRG** - European Network for Research in Geo-Energy, created in 1993, 60 members from 28 countries
  - **EuroGeoSurveys**
- The sound pre-existing networking experience of the selected institutes will speed up the process of building an efficient Pan-European body of expertise



# Objectives of pan-European scientific cooperation

- Establish a **durable networking of research capacity** on CO<sub>2</sub> storage in all the relevant EU Member States and Associated Countries, as well as mechanisms of disseminating this capacity to relevant stakeholders involved in CCS
- **Reduce the existing gap** between the 'forerunner' countries, where CCS activities have been started or planned, and the 'follower' countries where these actions are not yet happening
- Pinpoint a **competent national advisory institute for each country** to rely on, with the required capacities and abilities to help make CO<sub>2</sub> storage a reality as soon as possible
- Support the implementation of the **European Directive on the geological storage of CO<sub>2</sub>** and other regulatory regimes.



# Plans for pan-European scientific cooperation on CO<sub>2</sub> storage

- Focus on **knowledge management**:
  - **Knowledge Repository**: collect, structure, summarize knowledge for easy use
  - **Knowledge Development**: joint research through alignment of institutes' research programmes and external support, knowledge-sharing workshops, staff-exchange programmes
  - **Knowledge Dissemination**: Annual Open Forum, CO<sub>2</sub> storage-awareness-raising workshops, CO<sub>2</sub> storage Spring School, Brochures, central website with links to national websites
- Spread knowledge evenly throughout EU Member States and Associated Countries, in as many EU national languages as possible
- Remain an independent scientific voice, in which the public can place its trust
- Liaise with relevant initiatives at national, European and international levels (including EC, ETP ZEP, CO<sub>2</sub>NET, ECCSEL, EERA, the European CCS Project Network, EII, EIT-KICs, UNECE, GCCSI, IPAC-CO<sub>2</sub>, UNESCO);



# Support for pan-European scientific cooperation on CO<sub>2</sub> storage?

- Expected from the EC (decision this month!):
  - Call ENERGY.2010.5.2-2: Trans-national cooperation and networking in the field of geological storage of CO<sub>2</sub>
  - *'The project will support the implementation of the European Industrial Initiative on CCS mentioned in the SET Plan. As such, it shall liaise - and coordinate its activities - with other stakeholders including the ZEP.'*
  - **CGS Europe** proposal submitted on 11 March 2010
  - Coordination by CO<sub>2</sub>GeoNet Association (Isabelle Czernichowski)
  - 22 other participants (most from CO<sub>2</sub>NET EAST and ENeRG, additional ones from EuroGeoSurveys)
  - Almost full EU coverage with:
    - 24 Members States
    - 4 Associated Countries
    - 34 Research Institutes



... and from other stakeholders and initiatives at national, European and international levels