

AGENDA

Welcome cocktail San Servolo Island - Room Basaglia - **Sunday May 8 from 18:30**

Monday May 9

CO₂ storage developments in the European context

CHAIR: SERGIO PERSOGLIA, CO₂GeoNet-OGS

- 9.00 Welcome**
SERGIO PERSOGLIA, CO₂GeoNet-OGS
- 9.10 CO₂Geonet and CGS Europe: what is it all about and objectives Open Forum 2011**
NICK RILEY, CO₂GeoNet-BGS
- 9.25 Overview of CO₂GeoNet activities for the past and the coming year**
SAMUELA VERCELLI, CO₂GeoNet-URS
- 9.40 Overview of CGS Europe activities in the next three years**
ISABELLE CZERNICHOWSKI, CO₂GeoNet-BRGM
- 9.55 Summary of current CO₂ storage R&D activities in European countries**
HEIKE RUETTERS, CO₂GeoNet-BGR
- 10.15 Setting the scene - EU legal framework and funding of CCS demonstration projects**
MARTINA DOPPELHAMMER, EC DG Climate Action

10.45 *Coffee break*

European large scale demonstration projects (EERP/NER300)

CHAIR: ROB ARTS, CO₂GeoNet-TNO

- 11.15 Italy - Porte Tolle: storage in an offshore saline aquifer**
MONIA POLITI, ENEL-IIN
- 11.35 Netherlands - Rotterdam: storage in an offshore gas field**
ANDREAS KOPP, Eon Gas Storage/ROAD project
- 11.55 UK - storage offshore in oil&gas fields**
NICK RILEY, CO₂GeoNet-BGS
- 12.15 Poland - Belchatow: storage in an onshore saline aquifer**
ADAM WOJCICKI, PGI-NRI
- 12.35 Germany - Janschwalde: storage in an onshore saline aquifer or gas field**
CHRISTIAN BERNSTONE, Vattenfall
- 12.55 Romania - Oltenia: storage in an onshore saline aquifer**
CONSTANTIN SAVA, GEOCOMAR

13.15 *Lunch*

Open Forum panel discussion

CHAIR: ROB ARTS, CO₂GeoNet-TNO

- 14.30 Large demos: questions and challenges**
PANEL WITH MORNING SPEAKERS

Thematic studies

CHAIR: DOMINIQUE DURAND, CO₂GeoNet-NIVA

- 15.30 Results of IEAGHG study "Quantification techniques for CO₂ leakage"**
ANNA KORRE, CO₂GeoNet-Imperial

16.00 *Coffee break*

- 16.30 Results of IEAGHG study "Potential impacts on groundwater resources of CO₂ Storage"**
FRANZ MAY, CO₂GeoNet-BGR

- 17.00 Sustainable environments for CO₂ storage communication and understanding**
SAMUELA VERCELLI, CO₂GeoNet-URS

Open Forum general discussion

CHAIR: NICK RILEY, CO₂GeoNet-BGS

- 17.20 The scientific case for CO₂ storage - recent developments**

18.00 *End of Day 1*

20.00 *Gala dinner*

Tuesday May 10

Scientific developments

CHAIR: NICK RILEY, CO₂GeoNet-BGS

- 9.00 EC activities on CCS from the research perspective**
VASSILIOS KOUKIONAS, DG Research
- 9.20 New lessons from natural analogues**
SALVATORE LOMBARDI, CO₂GeoNet-URS
- 9.40 Integrated monitoring research at natural CO₂ vents, Laacher See (Germany)**
INGO MOELLER, CO₂GeoNet-BGR
- 10.00 Geomechanical modeling and Insar at In-Salah (Algeria)**
SEVKET DURUCAN, CO₂GeoNet-Imperial
- 10.20 Ongoing research activities in the North Sea and Skagerrak area**
NIELS-ERIK POULSEN, CO₂GeoNet-GEUS

10.40 *Coffee break*

- 11.10 Case study in Slovakia**
LUDOVÍT KUCHARIC, SGUDS
- 11.30 Assessing impacts in terrestrial environments - results from the RISCs project**
DAVID JONES, CO₂GeoNet-BGS
- 11.50 Assessing impacts in marine environments - results from the RISCs project**
CINZIA DE VITTOR, CO₂GeoNet-OGS

Open Forum general discussion

CHAIR: JONATHAN PEARCE, CO₂GeoNet-BGS - SAMUELA VERCELLI, CO₂GeoNet-URS

- 12.10 Building a guide for impacts appraisal: proposals and suggestions**

13.00 *Lunch*

Small scale pilots and field experiments

CHAIR: VIT HLADIK, CzGS

- 14.30 Current status of CO₂ injection monitoring at K12B offshore gas field (NL)**
VINCENT VANDEWEIJER, CO₂GeoNet-TNO
- 14.50 Learnings from the CO₂ injection pilot at Rouse onshore gas field (France)**
JOËLLE HY-BILLIOT, Total
- 15.10 Preparation of CO₂ injection in a deep saline aquifer at Hontomin (Spain)**
PROF. ANDRÉS PÉREZ-ESTAÚN, CIUDEN
- 15.30 Ongoing research on shallow migration of CO₂ at CO₂ Field Lab in Sveldvik (Norway)**
MARIE-LAURE OLIVIER, CO₂GeoNet-SPR

15.50 *Coffee break*

Open Forum panel discussion

CHAIR: ISABELLE CZERNICHOWSKI, CO₂GeoNet-BRGM

- 16.20 Sharing views on CO₂ storage development in Europe**
PANEL DISCUSSION
- 17.40 Conclusions 1st part Open Forum**
SERGIO PERSOGLIA, CO₂Geonet-OGS
- 18.00 *End of Day 2*

Wednesday May 11

1st CGS EUROPE KNOWLEDGE SHARING WORKSHOP

LEGAL AND REGULATORY ISSUES FOR THE IMPLEMENTATION OF THE EU DIRECTIVE ON THE GEOLOGICAL STORAGE OF CO₂

Session 1. Legislation Process in Europe

CHAIR: ROBERTO MARTINEZ, S-IGME

- 9.00 Introduction**
ALLA SHOGENOVA, TTU GI
- 9.10 Overview of the national CCS regulatory developments in CGS Europe countries: progress and problems**
ALLA SHOGENOVA, TTU GI
- 9.40 Carbon capture and storage regulatory test toolkit**
DEREK TAYLOR, Global CCS Institute
- 10.10 Public information issues related to the legislation process**
SAMUELA VERCELLI, CO₂GeoNet-URS

10.20 *Coffee break*

Session 2a. National legislation in the CGS Europe countries: case studies

CHAIR: ADAM WOJCICKI, PGI-NRI

10.50 Geological carbon storage: towards a Danish implementation plan

NIELS E. POULSEN, CO₂GeoNet-GEUS

11.15 Implementation of the CCS directive when geological storage options do not exist: two case studies from Belgium

KRIS PIESSENS & WOUTER STROOBANTS, RBINS-GSB

11.40 Implementation of the CO₂ geological storage Directive in Hungary: experiences, problems and their solutions in a new EU country

GYORGY FALUS, ELGI

12.05 Lunch

Session 2b. National legislation in the CGS Europe countries: case studies

CHAIR: HUBERT FABRIOL, CO₂GeoNet-BRGM

13.30 EC Directive on CCS: roadmap for its implementation in Italy

MARCELLO CAPRA, Ministry of Economic Development

13.50 Practical experience in transposing the 2009/31/EC Directive: the French case

LIONEL PERRETTE, Directorate General for Energy and Climate, French Ministry of Ecology

Session 3. Open discussion - Sharing experience on the CCS Directive transposition process in Europe

CHAIR: KRIS PIESSENS, RBINS-GSB

Session 3a. Transposition of CCS Directive: the most problematic issues

14.10 Assessment of storage capacity: organization and standardization

NIELS E. POULSEN, CO₂GeoNet-GEUS

14.30 Conflicts of interests/interaction with other underground use

ADAM WOJCICKI, PGI-NRI

14.50 Monitoring issues

ANANTH CHIKKATUR, ICF International

15.10 Coffee break

Session 3b. Issues not covered by the CCS Directive:

CHAIR: ALLA SHOGENOVA, TTU GI

15.40 Cross-border transport and storage

TUIJA VÄHÄKUOPUS, GTK

16.00 Competent authority: are they ready to evaluate applications?

KRIS PIESSENS, RBINS-GSB

16.20 Conclusions and summary

WORKSHOP SCIENTIFIC COMMITTEE: Alla Shogenova (TTU GI), Kris Piessens (RBINS-GSB), Hubert Fabriol (CO₂GeoNet-BRGM), Adam Wojcicki (PGI-NRI), Roberto Martinez (S-IGME), George Hatziyannis (G-IGME), Sergio Persoglia (CO₂GeoNet-OGS)

17.00 End of Day 3



CO₂GeoNet The European Network of Excellence on the Geological Storage of CO₂

CO₂GeoNet is the European scientific body on CO₂ geological storage. It currently comprises 13 public research institutes from 7 European countries, and brings together over 300 researchers with the multidisciplinary expertise needed to address all aspects of CO₂ storage. With activities encompassing joint research, training, scientific advice, information and communication, CO₂GeoNet has a valuable and independent role to play in enabling the efficient and safe geological storage of CO₂. CO₂GeoNet was created in 2004 as a Network of Excellence supported by the EC FP6 programme for 5 years. In 2008, the Network became a non-profit association under French law. www.co2geonet.com

CO₂GeoNet members: BGR (Germany); BGS (UK); BRGM (France); GEUS (Denmark); HWU (UK); IFPEN (France); IMPERIAL (UK); IRIS (Norway); NIVA (Norway); OGS (Italy); SPR Sintef (Norway); TNO (Netherlands); URS (Italy)



CGS Europe The Pan-European Coordination Action on the Geological Storage of CO₂

CGS Europe is a networking project that pools together the expertise of 34 key research institutes in the area of CO₂ geological storage across 28 countries (24 European Member States and 4 Associated Countries). Funded by the EC FP7 programme, it builds upon the networking and integration experience of CO₂GeoNet with the ultimate goal of providing an independent, scientific, pan-European platform and reference source where national, European and international experts, institutes and regulators can access the most up-to-date results of CO₂ storage-related studies, share experiences and good practices, discuss the implementation of regulations, identify research needs to face upcoming challenges, and build new projects. www.cgseurope.net

CGS Europe partners (in addition to the 13 CO₂GeoNet members mentioned above): CzGS (Czech Republic); ELGI (Hungary); GBA (Austria); GEOCOMAR (Romania); GEO-INZ (Slovenia); G-IGME (Greece); GSI (Ireland); GTC (Lithuania); GTK (Finland); LEGMC (Latvia); LNEG (Portugal); METU-PAL (Turkey); PGI-NRI (Poland); RBINS-GSB (Belgium); SGU (Sweden); SGUDS (Slovakia); S-IGME (Spain); SU (Bulgaria); TTUGI (Estonia); UB (Serbia); UNIZG-RGNF (Croatia)

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6th CO₂GeoNet Open Forum

May 9-11, 2011

Venice, San Servolo Island, Italy

CO₂GeoNet - a resource for Europe
for scientific support to the geological
storage of CO₂

CGS Europe - a coordination action across
28 Countries

A forum - to make scientific research and
researchers available to stakeholders

