

RESEARCH CONFERENCES

ESF-FWF Conference in Partnership with LFUI

**CO₂ Geological Storage:
Latest Progress**

Universitätszentrum Obergurgl • Austria
22- 27 November 2009

Chair:

Dr. Isabelle Czernichowski-Lauriol, CO₂GeoNet - BRGM, FR

Co-chairs:

Dr. Nick Riley, CO₂GeoNet – BGS,UK

Dr. Rob Arts, CO₂GeoNet - TNO, NL

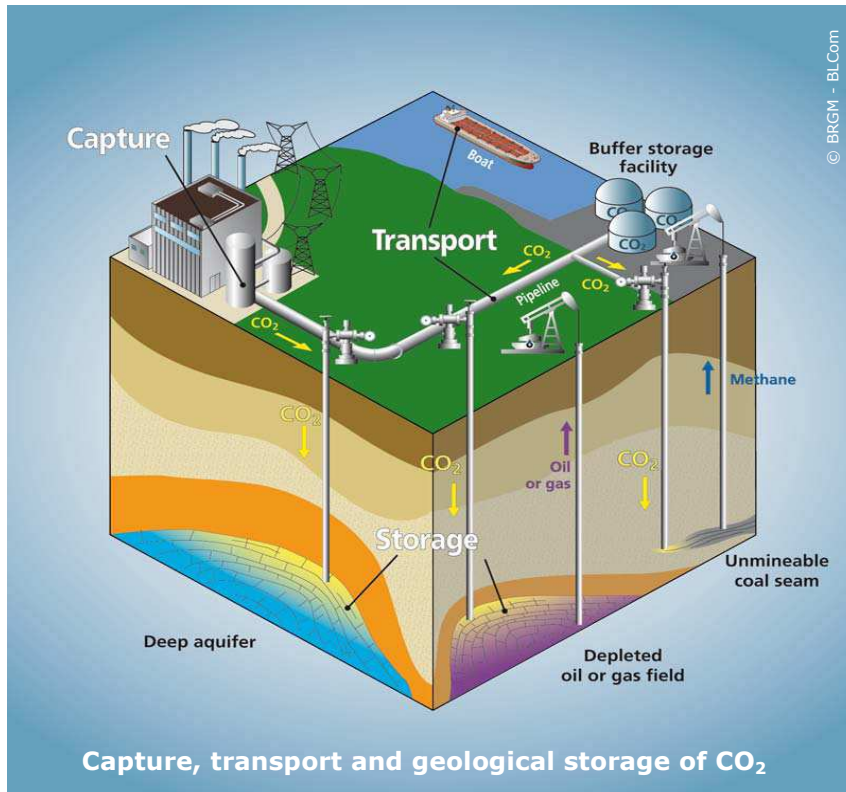
www.esf.org/conferences/09293

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Final Programme

Sunday, 22 November

17.00 onwards	Registration at the ESF desk
19.00	Welcome Drink
20.00	Dinner

Monday, 23 November

Conference Opening

09.00-10.00	<ul style="list-style-type: none">▪ Shane Murphy European Science Foundation, FR▪ Isabelle Czernichowski-Lauriol CO₂GeoNet - BRGM, FR
10.00-10.30	Coffee break

Introductory Session

Chair: **Sergio Persoglia**, CO₂GeoNet – OGS, IT

10.30-11.15	<ul style="list-style-type: none">▪ John Gale IEA-GHG, UK <i>Stakes and opportunities of CO₂ geological storage</i>
11.15-12.00	<ul style="list-style-type: none">▪ Nick Riley CO₂GeoNet - BGS, UK <i>Geological CO₂ storage: fundamentally rock, science & engineering</i>
12.00	Lunch

Site selection and characterization

Chair: **Olga Vizika**, CO₂GeoNet-IFP, FR

14.30-15.15	<ul style="list-style-type: none">▪ Franz May CO₂GeoNet-BGR, DE <i>Characterization of a good storage site</i>
15.15-16.00	<ul style="list-style-type: none">▪ Stefan Bachu Alberta Research council, CA <i>From regional characterization to site selection</i>
16.00-16.30	Coffee break

Discussion Session

Chair: **Samuela Vercelli**, CO₂GeoNet-URS

16.30-18.30	<i>Sharing experiences in communicating on CO₂ storage</i>
19.00	Dinner
20.30-22.00	Poster session I

Tuesday, 24 November

Modelling CO₂ behaviour in the reservoir

Chair: Anna Korre, CO₂GeoNet-Imperial, UK

08.30-09.15

▪ Peter Frykman

CO₂GeoNet-GEUS, DK

Geological models, heterogeneities and scale relations

09.15-10.00

▪ Nicolas Maurand

CO₂GeoNet-IFP, FR

Multiphase flow: CO₂ migration in the reservoir

10.00-10.30

Coffee break

10.30-11.15

▪ Isabelle Czernichowski-Lauriol

CO₂GeoNet-BRGM, FR

Impact of geochemical reactions on injection, storage capacity and integrity

11.15-12.00

▪ Laura Chiaramonte

LBNL, US

Geomechanical effects due to pressure changes or chemical reactions

12.00

Lunch

Steps towards worldwide demonstration

Chair: Samuela Vercelli, CO₂GeoNet-URS, IT

14.30-15.15

▪ Robert Finley

Illinois State Geological Survey, US

Progress towards demonstration in the USA

15.15-16.00

▪ Aleksandra Kalinowski

Geoscience Australia, AU

Progress towards demonstration in Australia

16.00-16.30

Coffee break

16.30-17.00

▪ Mingyuan Li

Beijing University of Petroleum, CN

Progress towards demonstration in China

17.00-17.30

▪ Xue Ziqiu

Kyoto University, JP

Progress towards demonstration in Japan

Discussion Session

Chair: Marie Gastine, CO₂GeoNet-BRGM, FR

17.30-19.00

Career perspectives in CO₂ storage for young scientists

19.00

Dinner

20.30-22.00

Poster Session II

Wednesday, 25 November

Local risk assessment

Chair: Nick Riley, CO₂GeoNet-BGS, UK

08.30-09.15	▪ Anna Korre CO ₂ GeoNet-Imperial College, UK <i>Risk assessment methodology</i>
09.15-10.00	▪ Jean Desroches Schlumberger, FR <i>Well leakage: the main risk under control</i>
10.00-10.30	Coffee break
10.30-11.15	▪ Lars Golmen CO ₂ GeoNet-NIVA, NO <i>Impact assessment</i>
11.15-12.00	▪ Hubert Fabriol CO ₂ GeoNet-BRGM, FR <i>Safety criteria and regulations</i>
12.00	Lunch
Afternoon	Half-day free time
19.00	Dinner

Thursday, 26 November

Monitoring

Chair: Hubert Fabriol, CO₂GeoNet-BRGM, FR

08.30-09.15	▪ Rob Arts CO ₂ GeoNet-TNO, NL <i>Deep monitoring tools</i>
09.15-10.00	▪ Salvatore Lombardi CO ₂ GeoNet-URS, IT <i>Surface and shallow subsurface monitoring tools</i>
10.00-10.30	Coffee break
10.30-11.15	▪ Nick Riley CO ₂ GeoNet-BGS, UK <i>Site monitoring strategies</i>

Discussion Session

Chair: Sergio Persoglia – Rob Arts, CO₂GeoNet-OGS and CO₂GeoNet-TNO

11.15-12.15	<i>Forward Look Plenary Discussion</i>
12.15	Lunch

Learning from experience

Chair: Franz May, CO₂GeoNet-BGR, DE

- 14.00-14.30 ▪ **Tore Torp**
StatoilHydro, NO
Sleipner and Snøvit: 13 years of offshore aquifer storage in Norway
- 14.30-15.00 ▪ **Hilke Würdemann**
GFZ, DE
Ketzin: R&D CO₂ onshore injection pilot in Germany
- 15.00-15.30 ▪ **Malcom Wilson**
University of Regina, CA
Weyburn: 9 years of combining CO₂ storage and EOR in Canada
- 15.30-16.00 Coffee break

Industrial deployment

Chair: Rob Arts, CO₂GeoNet-TNO, NL

- 16.00-16.45 ▪ **Christian Bernstone**
Vattenfall, SE
Practical cases: planning demonstration projects in Denmark and Germany

Closing session

- 17.00-18.00 ▪ **Isabelle Czernichowski-Lauriol**
CO₂GeoNet-BRGM, FR
Conclusions
- 19.00 Get-together & Conference Dinner

Friday, 27 November

08.00 Breakfast & Departure

Abstracts, Posters & Short Oral Presentations

There will be no short talks other than those listed on the final programme.
All other abstracts have been accepted as posters.

The list of accepted posters can be found at www.esf.org/conferences/09293