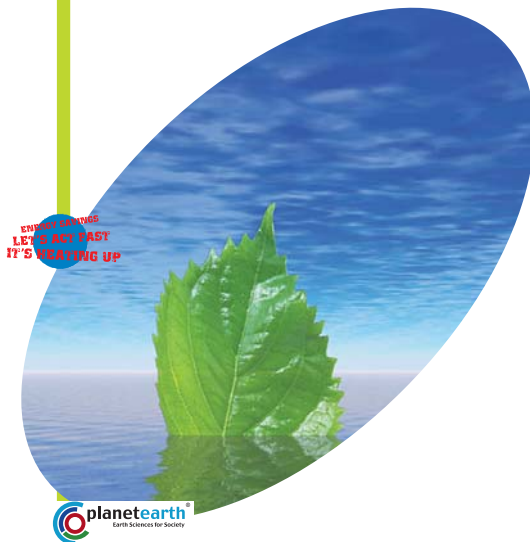


2ND I N T E R N A T I O N A L S Y M P O S I U M

CAPTURE AND GEOLOGICAL STORAGE OF CO₂

► INNOVATION, INDUSTRIAL STAKES AND ACHIEVEMENTS

Second Announcement and Registration Form



Under the high patronage of

French Ministry for Ecology,
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Mr. Potocnik, Member of the European
Commission

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Région Ile-de-France

*to be confirmed.

PARIS

3 - 5 OCTOBER 2007

"LE MÉRIDIEN ÉTOILE" HOTEL

Organized by



3 combined events on CCS 3 - 5 October 2007, Paris

Three events on CO₂ capture and storage will be held in Paris on 3 - 5 October 2007. This represents a unique opportunity to bring together all the players involved and provide a complete review of the current status of research and deployment in this field.

2nd General Assembly of the European Technology Platform for Zero Emission Fossil Fuel Power Plants (ZEP) – Wednesday 3 October – Salons Hoche, Paris



On Wednesday 3 October, the ZEP Technology Platform will hold its second General Assembly in Paris, with a central theme of the ZEP Flagship Programme. During the morning session, high level EC policymakers and scientific experts will share their views on zero emission fossil fuel power generation, followed by a press conference. In the afternoon, high level industry representatives will share their vision for ZEP, followed by an in-depth panel discussion.

The General Assembly will conclude with a buffet jointly organised with the 2nd International CO₂ Symposium at le "Mérédien Étoile" Hotel (15 minutes walk from Salons Hoche). Personal invitations and information on registration will be distributed in June. Registration is free of charge and open to all ZEP stakeholders.

CO₂GeoNet Training and Dialogue Workshop on CO₂ Geological Storage – What does CO₂ geological storage really mean? – Wednesday 3 October – Salons Hoche, Paris



This workshop is organized by CO₂GeoNet, the European Network of Excellence on CO₂ Geological Storage. It aims to provide participants with pertinent information and to encourage dialogue on essential questions concerning the technical aspects of CO₂ geological storage. Scientific explanations, given in an easily understandable manner, will be based on the experience acquired over more than a decade of research and demonstration projects worldwide. The current status of knowledge will be presented, as well as those areas where further investigations are needed. It is hoped that all participants (policy makers, industrial operators, investors, economists, regulators, NGOs, lawyers, scientists, students) will gain a better vision of the whole picture of CO₂ geological storage.

2nd International Symposium "Capture and Geological Storage of CO₂ – Innovation, industrial stakes and achievements" – 3 - 5 October – "Le Mérédien Étoile" Hotel, Paris



Following the success of the first international symposium on emission reduction and CO₂ capture and geological storage held in Paris in 2005, IFP, ADEME and BRGM are organizing a second event on the same theme, in October 2007. In particular, the event will be an opportunity to present feedback from a number of pilot projects being conducted around the world.



The symposium, which adopts a transverse and cross-disciplinary approach, is aimed at researchers, manufacturers, economists and financiers from the various sectors involved, as well as public and private-sector decision-makers who have to make economic and financial choices in this field.

An icebreaking cocktail and buffet will be given for all the participants of the conference on Wednesday 3 October. This cocktail is jointly organized with the European technology platform ZEP. A true moment of exchanges for all European and international stakeholders in this field.

2^{N D} I N T E R N A T I O N A L S Y M P O S I U M



The international community's growing awareness of issues related to global warming together with converging scientific data, provide clear evidence of an urgent need for the worldwide implementation of technologies designed to reduce greenhouse gas emissions. The growth in energy demand makes it impossible to relinquish, any time soon, the use of fossil fuels - oil, natural gas and coal - which constitute the main sources of greenhouse gas emissions. In order to reconcile the use of these resources with the need to control the emissions responsible for global warming, CO₂ capture and storage represent a highly promising avenue, with much at stake, in both economic and industrial terms.

Following the success of the first international symposium on emission reduction and CO₂ capture and geological storage held in Paris in 2005, IFP, ADEME and BRGM are organizing a second event on the same theme, in October 2007. In particular, the event will be an opportunity to present feedback from a number of pilot projects being conducted around the world.

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Organization Committee

Pierre Dechamps – *European Commission*
Alain Delamette – *ADEME*
Marco De Michelis – *IFP*
Benoit Gayet – *BRGM*
Philippe Geiger – *French Ministry for Ecology, and Sustainable Development and Town and Country Planning (Regional Development)*
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Hervé Quinquis – *IFP*
Yolande Rondot – *IFP*
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Dominique Dron – <i>ENS Mines de Paris</i>	Jean-Xavier Morin – <i>Alstom Power</i>
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Christian Fouillac – <i>BRGM</i>	Jacek Podkanski – <i>IEA</i>
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2^{N D} I N T E R N A T I O N A L S Y M P O S I U M



As an international research and training center, IFP is developing the transport energies of the 21st century. Since the skills necessary for the development of the CO₂ sector are the same as those used in oil and gas production, IFP is very well placed to act in all stages of the sector's activity: capture, transport and geological storage. IFP's ability to act and to innovate in the service of sustainable development is recognized at European level. Indeed IFP is a participant in many European projects aimed at reducing emissions of CO₂.
www.ifp.fr

The French Environment and Energy Management Agency (ADEME) is a public body placed under the joint supervision of the French Ministry for Ecology, and Sustainable Development and Town and Country Planning (Regional Development), and the French Ministry for Higher Education and Research. It contributes to implementing public policy in the fields of the environment, energy and sustainable development. ADEME provides private companies, local governments, public authorities and the general public with expertise, consulting services and financial support for projects in five areas: waste management, soil preservation, energy efficiency and renewable energy sources, air quality and noise reduction. It also helps them improve their sustainable development strategies
www.ademe.fr

The BRGM, placed under the supervision of the ministries of Industry, Research and the Environment, is the public organization of reference in the geosciences. Its mission is three-fold: research, public expertise and international co-operation. Its expertise and research work cover ten thematic fields: mineral resources, water, development and geological risks, contaminated environments and waste, metrology of the environment, mapping and geological knowledge, geothermy, the geological sequestration of CO₂, digital information systems, post-mining.
www.brgm.fr

Partnership

This symposium is an opportunity for sponsors to communicate and advertise. For further information, contact yolande.rondot@ifp.fr

Contacts

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PROGRAMME

Wednesday 3 October 2007

19.00-21.00 Icebreaking cocktail jointly organized with the European technology platform whose the general assembly will be held in Paris on 3 October 2007.

Thursday 4 October 2007

8.30 Welcome and registration

9.15 Opening address

SESSION I - Issues and strategies for controlling greenhouse gas emissions

Status and prospects

9.40 IPCC fourth assessment report on the issue of CCS - Bert Metz (IPCC Working Group III)

10.00 Factor 4: Managing the transition for the French economy by 2050 - Richard Lavergne (DGEMP, Observatoire de l'Energie)

10.20 Energy technology perspectives, scenarios and strategies to 2050 - Jacek Podkanski (IEA)

10.40 *Break*

Strategies for CCS deployment

11.10 European technology platform on zero emission fossil fuel power plants (ZEP) - Nick Otter (Alstom Power)

11.30 Roadmap for CCS in the USA - Justin Swift (US DOE)

11.50 Carbon dioxide capture and geological storage: research, development and application in Australia - Peter Cook (CO₂ CRC)

12.10 Panel discussion - CCS deployment

13.00 *Lunch*

SESSION II - Industrial achievements in the field of CO₂ capture and storage

Update on ongoing operations

14.30 Canadian experience - Bill Reynen (Natural Resources Canada)

14.50 Ten years of CO₂ capture and storage in Norway - Tore Torp (Statoil)

15.10 In Salah operations (Algeria) - Iain Wright (BP)

15.30 *Break*

Planned operations

16.00 CCS: Going from vision to realisation - Lars Stromberg (Vattenfall)

16.20 The Lacq oxycombustion and CO₂ storage pilot - Nicolas Aimard (Total)

16.40 The Altmark gas field (Germany) - A promising site for large-scale CO₂ sequestration - Jürgen Rückheim (GDF)

17.00 EOR and storage activities driven by CO₂ in Brazil: experience from the Buracica and Miranga oil field performance - Dino Rodolfo (Petrobras)

17.20 Panel discussion - Key messages from projects and demos, lessons learned

18.00 *Cocktail*



PROGRAMME

Friday 5 October 2007

- 8.30 Welcome and registration
- SESSION III - Future developments: positioning of the industry and technological breakthroughs**
- Positioning of industrial sectors**
- 9.00 Carbon capture and storage - An option for coal-based power generation - Johannes Heitoff (RWWE)
- 9.20 The steel industry and its needs in terms of CCS: the ULCOS program - Jean-Pierre Birat (Arcelor)
- 9.40 Technologies for CO₂ capture : roadmaps and potential cost reductions - Philippe Paelinck (Aistom)
- 10.00 Membranes: O₂ production and H₂ separation - François Fuentes (Air Liquide)
- 10.20 *Pause*
- Storage development issues**
- 10.50 CO₂GeoNet - Integration of European research to build trust on CO₂ geological storage - Isabelle Czernichowski-Lauriol (BRGM)
- 11.10 CO₂SINK - Test of CO₂ storage at the European pilot site Ketzin, Germany - Niels Peter Christensen (GEUS)
- 11.30 Storage in aquifers for European industrial CCS projects - Pierre Le Thiez (IFP - Geogreen)
- 11.50 Multiphase flow of CO₂ in saline formations: storage processes and security - Sally Benson (LBNL)
- 12.10 Panel discussion**
- 13.00 *Lunch*
- SESSION IV - The structuring of the CO₂ sector: market, regulations and societal perception**
- Regulatory framework and societal perception**
- 14.30 Doing the deal: standards for qualifying sequestration under US Federal and State regulation - Philip Marston (Marston Law)
- 14.50 Legal and regulatory aspects - Paul Zakkour (ERM)
- 15.10 Societal perception - Stephan Singer (WWF)
- 15.30 *Break*
- CO₂ market**
- 15.50 European guidelines for ETS, JI and CDM projects for CCS implementation - Scott Brockett (European Commission - DG Environment)
- 16.10 The economics of CO₂ capture and storage - Howard Herzog (MIT)
- 16.30 Experience in deploying clean development mechanism (CDM) in a business strategy - Thomas Philippe (Veolia Environnement)
- 16.50 Panel discussion**
- 17.30 Closing address
- 18.00 *End of symposium*



GENERAL INFORMATION

Venue

"Le Méridien Étoile" Hotel – 81 boulevard Gouvion Saint-Cyr – 75017 Paris – France
Tel.: +33 1 40 68 30 70 – Fax: +33 1 40 68 30 52 – www.etoile.lemeridien.com

Access

By car:

Boulevard périphérique – exit Porte Maillot.

By public transport:

Metro: Line 1 direction Grande Arche de la Défense, Porte Maillot station.
Direct access from Roissy-Charles de Gaulle by Air-France shuttle bus (every 15 minutes from 5:45 to 23:00)

Visa

You may need a visa to enter France from some countries outside the European Union. Please contact the French embassy or consulate in your country, or your travel agency, to check whether or not you will need one.

Language

French and English with simultaneous interpreting facilities.

Conference proceedings

The proceedings will be available after the symposium on the web site:
www.CO2symposium.com

Web site

www.CO2symposium.com

Icebreaking cocktail

An icebreaking cocktail will be given for all the participants of the conference on Wednesday 3 October from 19.00 to 21.00 at the "Le Méridien Étoile" Hotel. This cocktail is jointly organized with the managers of the European technology platform ZEP (Zero emission fossil fuel power plants), whose the general assembly will be held on the same day in Paris. A true moment of exchanges for all European and international stakeholders in this field.



Registration

800 euros including VAT

The conference fees cover conference attendance, lunches, coffee breaks and the cocktails. They do not cover accommodation

To register, please complete the enclosed registration form (one per participant) and send it to the administrative secretariat (ADEME). To be accepted, the registration form must be accompanied by the corresponding payment.

Upon receipt of the registration form and the relevant payment, the administrative secretariat (ADEME) will send each participant a letter of acknowledgement.

Since attendance is limited, we will proceed on a "first registered, first served" basis.

Payment – in Euros only

Cash

- by check made out to "Régisseur de Recettes de l'ADEME"
- by credit card: Visa – Euro/Master Card

Upon receipt of invoice

- by check
- by bank transfer to "Agent comptable de l'ADEME"

Participants are responsible for all bank charges

Terms of cancellation

- Any cancellation must be notified (letter or fax) to the administrative secretariat (ADEME)
- before 6 September 2007, full reimbursement of the registration fees
 - after 6 September 2007, no reimbursement of the registration fees

Participants living outside France will have to give the administrative secretariat details of their bank account with the name and address of the bank to which the reimbursement will be sent.

Accommodation

Accommodation is not included in the conference registration.

Participants are required to make their own reservations by contacting the following hotels, where a group reservation has been made for up to 2 nights (Wednesday 3 and Thursday 4 October). A credit card number must be given to the hotel when booking the accommodation.

These hotels are located in the area of the "Le Méridien Étoile" Hotel (walking distance or a few metro stops).

As the Paris area is very crowded at this time of the year, we strongly encourage you to make your reservation as soon as possible. **After 7 September, room availability is not guaranteed.**

2^{N D} I N T E R N A T I O N A L S Y M P O S I U M



In order to benefit from the prices negotiated below, please mention
"IFP CO₂ Symposium" when you make your reservation.

Hotels	Contacts	Prices in euros VAT included single/double	Deadline
Le Méridien Étoile**** 81 boulevard Gouvion St-Cyr 75017 Paris	Tel. + 33 1 40 68 30 70 Fax +33 1 40 68 30 52 www.etoile.lemeridien.com Please return the attached registration form	235/235 breakfast included	7 september
Best Western Premier Elysées Bassano*** 24 rue de Bassano 75016 Paris	Tel. +33 1 47 20 49 03 Fax +33 1 47 23 06 72 reception@hotel-elysees-bassano.com www.hotel-elysees-bassano.com	190/200 breakfast included	7 september
Villa des Ternes*** 97 avenue des Ternes 75017 Paris	Tel. +33 1 53 81 94 94 Fax +33 1 53 81 94 95 hotel@hotelternes.com www.villadesternes.com	150/165 breakfast included	7 september
Star Etoile*** 18 rue de l'Arc de Triomphe 75017 Paris	Tel. + 33 1 43 80 27 69 Fax +33 1 40 54 94 84 star.etoile.hotel@wanadoo.fr www.paris-hotel-staretoile.com	150/160 breakfast included	7 september
Magellan*** 17-19 rue JB Dumas 75017 Paris	Tel. +33 1 45 72 44 51 Fax +33 1 40 68 90 36 paris@hotelmagellan.com www.hotelmagellan.com	117/140 breakfast included	7 september
Campanile Berthier** 2 boulevard Berthier 75017 Paris	Tel. +33 1 01 46 27 01 77 Fax +33 1 46 27 00 57 resagrpe@campanile-berthier.com www.campanile-paris-17.fr	95/95 breakfast 8	7 september

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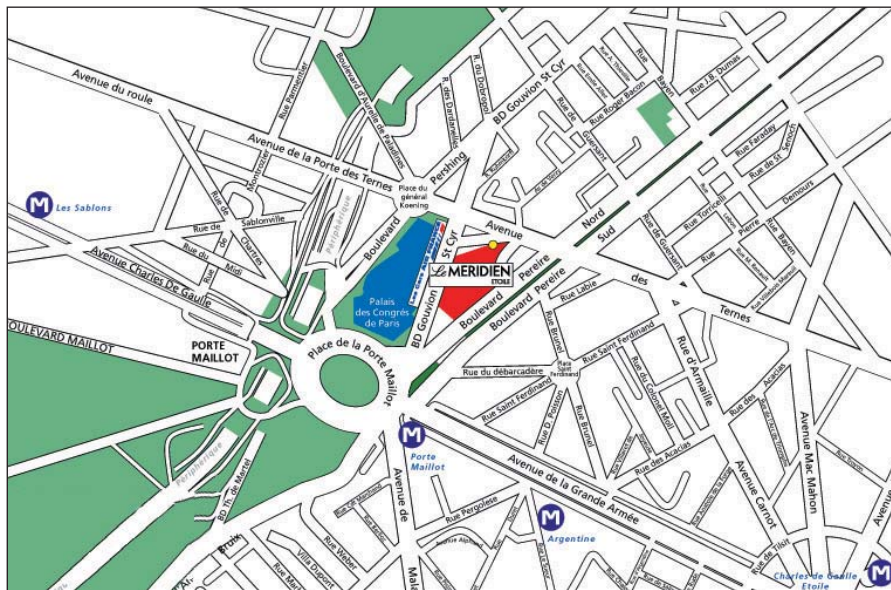
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CAPTURE AND GEOLOGICAL STORAGE OF CO₂▶ INNOVATION, INDUSTRIAL STAKES
AND ACHIEVEMENTS

PARIS, 3 - 5 OCTOBER 2007

REGISTRATION FORM

To be returned to: ADEME – Brigitte Bouhours
27 rue Louis Vicat – 75737 Paris cedex 15
Tel.: +33 1 47 65 23 73 – Fax: +33 1 46 38 37 19
E-Mail: brigitte.bouhours@ademe.fr

Participant

Mr Ms

Name: Surname:

Position:

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Registration

I accept the conditions and I wish to register for the symposium for the total sum of 800 euros VAT included

I will attend:

the conferences on 4 October yes no the conferences on 5 October yes no the cocktail on 3 October yes no the cocktail on 4 October yes no Vegetarian meal

Payment in Euros only - write legibly in capital letters

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