



## Final conference: Agenda

### RISCS Final conference

Venue: IFPEN Conference centre, Rueil-Malmaison (near Paris), France

08:30 Registration and coffee

09:00 Welcome: François Kalaydjian (Deputy Director, Resources Business Unit, IFP Energies nouvelles), Vassilios Kougionas (European Commission) and Introduction to RISCS, *Dave Jones (BGS)*

09:10 Setting the context: Definition of reference environments and scenarios, *Alan Paulley (Quintessa)*

### Terrestrial impacts – Chair: *Jonathan Pearce (BGS)*

09:30 Impacts on terrestrial near surface ecosystems, Christophe Moni (Bioforsk)

10:10 Lessons from modelling, Richard Metcalfe/Alan Paulley (Quintessa)

10:40 Impacts on groundwater, Stan Beaubien (URS)

11:10 Break

11:30 Implications for site selection, characterisation, monitoring etc, Dave Jones (BGS)

11:50 Discussion

12:10 Lunch

### Marine impacts research – Chair: *Edwin Foekema (IMARES)*

13:10 Chemical and physical changes due to CO<sub>2</sub> leakage, Cinzia de Vittor (OGS)

13:50 Biological impacts, Steve Widdicombe (PML)

14:30 Lessons from modelling of marine dispersal and impacts, Jerry Blackford (PML)

15:00 Break

15:20 Implications for site selection, characterisation, monitoring etc, Edwin Foekema (IMARES)

15:40 Discussion

16:00 Key messages: the Guide – *Jonathan Pearce (BGS)*

16:20 Discussion

16:30 Meeting close

## Posters

Displayed throughout the meeting covering different aspects of RISCS work in more detail and that of related work from other projects.

## RISCS Posters

Hypothetical Impact Scenarios for CO<sub>2</sub> Leakage from Storage Sites - Quintessa

Viral shunt in CO<sub>2</sub>-dominated hydrothermal vent of Panarea (Italy) - OGS/UniRoma - PACO<sub>2</sub>/RISCS/ECO<sub>2</sub>

Diversity, spatial and temporal distribution of phytoplankton assemblages in natural acidified waters of the Aeolian Islands (Tyrrhenian Sea) - OGS - PACO<sub>2</sub>/RISCS/ECO<sub>2</sub>

Microzooplankton in an area characterized by natural CO<sub>2</sub> emission.- OGS - PACO<sub>2</sub>/RISCS/ECO<sub>2</sub>

Continuous monitoring of terrestrial and marine sites –URS with BGS/UNOTT and OGS

Tracking leakage from a natural CO<sub>2</sub> reservoir (Montmiral, France) through the chemistry and isotope signatures of shallow groundwaters - Julie Lions, Pauline Humez, H  l  ne Pauwels, Wolfram Kloppmann, Isabelle Czernichowski-Lauriol

Environmental impacts of CO<sub>2</sub> leakage: recent results from the ASGARD facility, UK, Karon Smith and Michael Steven, University of Nottingham

The impact of a naturally occurring CO<sub>2</sub> gas vent on the shallow ecosystems of a Mediterranean mountain pasture (Florina, Greece) – Kay Green, BGS with CERTH, BGR, URS

Simulated CO<sub>2</sub> leakage experiment in terrestrial environment: Monitoring and detecting the effect on a cover crop using <sup>13</sup>C analyses – Bioforsk

Laboratory experiments on terrestrial impacts - Bioforsk

Systems models of CO<sub>2</sub> impact scenarios – Quintessa

Research integration and public engagement – Samuela Vercelli, URS

Assessing the plausibility of leakage fluxes – Quintessa

## [External project posters](#)

Potential impacts of CO<sub>2</sub> geological storage on fresh groundwater quality: The CIPRES project - Julie Lions and the CIPRES TEAM

QICS: Quantifying and Monitoring Potential Ecosystem Impacts of Geological Storage – Jerry Blackford, PML

Bubble dynamic experiments at Panarea (results from ECO<sub>2</sub>) URS with IGB-Berlin

Effects of CO<sub>2</sub> concentrations on growth and morphology of the coccolithophore *Pleurochrysis* cf. *Pseudoroscoffensis* (OGS - National project - CO<sub>2</sub>Monitor) Cinzia de Vittor, OGS

The importance of near-surface geochemistry baseline surveys during the CCS site characterisation process: influence of land-use and seasonal variability as seen in results from surveys conducted in central Denmark. Sitechar poster – Stan Beaubien URS

[Copies of the Guide, Newsletters will be available at the meeting](#)