



FÉDÉRATION EUROPÉENNE DES GÉOLOGUES
EUROPEAN FEDERATION OF GEOLOGISTS
FEDERACIÓN EUROPEA DE GEÓLOGOS

GEONEWS NOVEMBER 2008

Info and news from EFG, European Legislation Process, events and funding related to the Panel of Experts and EFG members:

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1. EFG WORKSHOP

► EFG COUNCIL MEETING

On 29 - 30 November EFG Delegates will join the EFG Council Meeting in Brussels, Belgium. The meeting will be held in the meeting room of the Geological Survey of Belgium. The first day is from 9:30 to 17:00 and the second day from 9:30 to 13:00. To see the Agenda, go to "Internal Documents", *Services* section (on the right) in: <http://www.eurogeologists.eu>.

2. GENERAL NEWS

INTERNATIONAL YEAR OF PLANET EARTH (IYPE)



EFG offers various documents and a calendar of events on our website:
<http://www.eurogeologists.eu/>.

To send more information about the IYPE or add events, contact:
jorge.garcia@naturalsciences.be

Events of IYPE

DATE	TITLE	PLACE	INFORMATION
9 – 16 Nov	Science Week	Ireland	http://www.scienceweek.ie/
13 Nov	Classical Music Concert	Madrid, Spain	http://www.icog.es/_portal/noticias/ noticias.asp?bid=938&ini=1

20 Nov	Climate Change: Facts, Uncertainties and Myths	Amsterdam, The Netherlands	http://www.mijnaarde.nl/Agenda/42641.aspx
26 Nov – 3 Dec	Week of the soil	The Netherlands	http://www.mijnaarde.nl/Agenda/42563.aspx

Events of 7th Framework Programme of Research

➤ The Directorate of DG Research organized an **Information Day** on an Environmental Theme, on the **7FP Activity 6.3 – Environmental Technologies**. This event provided information on the various topics of the next call for proposals in the activity area related to Environmental Technologies, within the Environment (including Climate Change) theme. You can see all the presentations on this website:

http://circa.europa.eu/Public/irc/rtd/eesdwtkeact/library?l=/environmental_technologi_2&vm=de-tailed&sb=Title

Other events

➤ Lecture: **Climate change and Shell's response**. London, United Kingdom. 4 November. In the coming 50 years, global energy demand will likely double as the population grows and increasing numbers improve their living standards. However, the reality of climate change is upon us and we will need to deliver all this energy with only half of today's CO₂ emissions. Twice the energy with half the CO₂ is a challenge for us all. The talk will review the climate challenge, the energy challenge and Shell's early steps in this journey. More information: <http://www.geolsoc.org.uk/gsl/events/listings/page3160.html>

➤ **Rivers, Estuaries, Deltas & Beaches: Traps for Fossil Fuels**. London, United Kingdom. 6 – 7 November. Advances in sedimentology, fundamental processes, facies models within stratigraphic context, derived from flume tank studies, numerical modelling, modern analogues and seismic geomorphology. Application of sedimentology and facies models in paralic environments to exploration and exploitation of the subsurface. More information: <http://www.geolsoc.org.uk/gsl/groups/specialist/petroleum/page2968.html>

➤ **The Fourth International Conference on the Geology of the Tethys**. Cairo, Egypt. 17 – 24 November. The Tethys Geological Society will host the Fourth Conference on the Geology of the Tethys in Cairo University. The target of this meeting is to cover the Precambrian and Phanerozoic Geology of the Tethys domain.

More information: http://www.dmp.unipd.it/TGS_2008-2009.pdf

Contact: elsayedyoussif@hotmail.com

Call for proposals

➤ On 3 September 2008, the **Seventh Framework Programme (FP7)** published the following calls for proposals: Energy theme (FP7-ENERGY-2009-1 and FP7-ENERGY-2009-2) and the Environmental (including climate change) theme (FP7-ENV-2009-1) classified into two specific programmes:

- Collaborative projects, which support research projects carried out by consortia with participants from different countries, aiming at developing new knowledge, new technology, products, demonstration activities or common resources for research. Projects can range from small or medium-scale focused research actions to large-scale integrating projects for achieving a defined objective.
- Coordination and support actions, which support activities aimed at coordinating or supporting research activities and policies (networking, exchanges, trans-national

access to research infrastructures, studies, conferences, etc.). These actions may also be implemented by means other than calls for proposals.
Below you can find information of this call in relation to each topic.

3. RENEWABLE AND GEOTHERMAL ENERGY

FP7-ENERGY-2009-1

Publication Date: 03 September 2008

Budget: € 83 000 000

Deadlines: 25 November 2008 at 17:00:00 (Brussels local time)
01 April 2009 at 17:00:00 (Brussels local time) - 2nd deadline (for 2-stage procedure)

Specific Programme(s): Cooperation

Activity Energy.2: Renewable Electricity Generation

- Area Energy.2.4: Geothermal

Topic ENERGY.2009.2.4.1: Understanding and mitigation of induced seismicity associated with geothermal field development

More information about this call:

http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.CooperationDetailsCallPage&call_id=148

FP7-ENERGY-2009-2

Publication Date: 03 September 2008

Budget: € 100 000 000

Deadline: 29 April 2009 at 17:00:00 (Brussels local time)

Specific Programme(s): Cooperation

Activity Energy.4: Renewables For Heating And Cooling

- Area Energy.4.5: Cross-Cutting Issues

Topic ENERGY.2009.4.5.1: Hybrid systems based on solar thermal heating / cooling, backed up by biomass or geothermal to compensate heat load intermittence

More information about this call:

http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.CooperationDetailsCallPage&call_id=149

Events

➤ The Geothermal Association of Ireland (GAI) 10th Anniversary Conference '**Geothermal Resources in Ireland - Commercial Opportunities**'. Kilkenny, Ireland. 5 November. More information:

<http://www.geothermalassociation.ie/index.cfm/fuseaction/news.content/id/2FAECF07-E414-4F71-9B29CEB87AF2038E>

➤ **Der Geothermiekongress - Geothermal Congress 2008**. Karlsruhe, Germany. 11 – 13 November. The Geothermal Congress 2008 is the meeting point and showcase for the industry, the forum for research, development and marketing. More information: <http://www.dergeothermiekongress.de/>

➤ **SIREME International Exhibition for Renewable Energy and Energy Management**. Paris, France. 17 - 19 November. SIREME, the first trade exhibition for renewable energy development, energy management and regional sustainable development. SIREME is set to be

the major event of its kind for renewable energy and energy management, both in Europe and around the world. More information: <http://www.erec.org/>

➤ **RENEXPO South-East Europe.** Bucharest, Romania. 19 – 21 November. International Trade Fair and Conference for Renewable Energy and Energy Efficient Construction and Renovation. More information: <http://www.renexpo-bucharest.com/>

➤ **SEE Renewable Energy 2008 - Insight into the energy market of the future.** Bucharest, Romania. 24 November. With Rising oil and gas prices, concerns about energy security and global warming are all helping to highlight a new more attractive source of energy - Renewable energy. More information:

<http://www.easteurolink.co.uk/newsletters/2008-10-29-SEE-Renewable-Forum.html>

4. CO₂ SEQUESTRATION

➤ **New PE on CO₂ Geological Storage, coordinator: Dr Kris Piessens, Royal Belgian Institute of Natural Sciences – Geological Survey of Belgium**

Following the increasing activities in the field of CCS, it is necessary to strengthen EFG's expert group. We therefore call upon EFG members that are actively working on CCS, or planning to extend their activities to this field. Please contact the EFG Office to become involved as an expert in the EFG PE on CO₂ Geological Storage. Contact: efgbrussels@gmail.com

FP7-ENERGY-2009-1

Publication Date: 03 September 2008

Budget: € 83 000 000

Deadlines: 25 November 2008 at 17:00:00 (Brussels local time)

01 April 2009 at 17:00:00 (Brussels local time) - 2nd deadline (for 2-stage procedure)

Specific Programme(s): Cooperation

Activity Energy.5: CO₂ Capture And Storage Technologies For Zero Emission Power Generation

- Area Energy.5.1: CO₂ Capture

Topic ENERGY.2009.5.1.1: Innovative capture techniques

- Area Energy.5.2: CO₂ Storage

Topic ENERGY.2009.5.2.1: Safe and reliable geological storage of CO₂

Topic ENERGY.2009.5.2.2: Towards an infrastructure for CO₂ transport and storage

More information about this call:

http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.CooperationDetailsCallPage&call_id=148

FP7-ENERGY-2009-2

Publication Date: 03 September 2008

Budget: € 100 000 000

Deadline: 29 April 2009 at 17:00:00 (Brussels local time)

Specific Programme(s): Cooperation

Activity Energy.6: Clean Coal Technologies

- Area Energy.6.1: Conversion Technologies For Zero Emission Power Generation

Topic ENERGY.2009.6.1.1: Efficiency increases in existing and new build pulverised coal power plants with a view to CCS.

More information about this call:

http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.CooperationDetailsCallPage&call_id=149

Events

➤ **Commercialising CCS in the EU & Japan. Development of regulatory frameworks & trial projects.** Brussels, Belgium. 12 November. This half-day seminar will bring together key actors from the EU and Japanese Authorities and from industry to explain the new regulatory frameworks, how a series of demonstration projects could be managed, the expectations of industry and broader international aspects of CCS regulation. More information: <http://www.eu-japan.eu/global/ccsseminar.html>

➤ Meeting: **Carbon: the deep geological cycle and its effect on the air we breathe.** London, United Kingdom. 27 November. This one day meeting will highlight the role of the geological sciences in understanding the Earth's deep carbon cycle. More information: <http://www.geolsoc.org.uk/gsl/events/listings/page4077.html>

Publications:

➤ **Dip in oil and carbon prices to hamper clean tech drive?** EU CO₂ emission allowances are trading at an 18-month low, crude oil prices have dropped 50% since July, and financial markets are in crisis, potentially putting a dampener on investment in clean technologies and renewable energies. More information: <http://www.euractiv.com/en/climate-change/dip-oil-carbon-prices-hamper-clean-tech-drive/article-176775>

➤ **EU still missing funds for carbon storage plants.** Commitments to finance carbon capture and storage demonstration plants are not forthcoming, despite progress by EU member states on finalizing a legal framework for the geological storage of CO₂ captured during power generation. More information: <http://www.euractiv.com/en/climate-change/eu-missing-funds-carbon-storage-plants/article-176841>

5. ENVIRONMENTAL IMPACT

FP7-ENV-2009-1

Publication Date: 03 September 2008

Budget: € 193 500 000

Deadline: 08 January 2009 at 17:00:00 (Brussels local time)

Specific Programme(s): Cooperation

Activity 6.1. Climate change, pollution and risks

- Sub-activity 6.1.1. Pressures on environment and climate

ENV.2009.1.1.1.1 Climate dynamics and abrupt changes – analysis of the palaeorecord.

ENV.2009.1.1.6.3 Climate change impacts on the marine environment: research results and public perception

Activity 6.2. Sustainable management of resources

- Sub-activity 6.2.2. Management of marine environments

ENV.2009.2.2.1.4 Integrated Coastal Zone Management

ENV.2009.2.2.1.6 Contribution of sub-seafloor sampling programmes to European deep-sea research

Activity 6.4. Earth observation and assessment tools for sustainable development

- Sub-activity 6.4.1. Earth and ocean observation systems and monitoring methods for the environment and sustainable development

- ENV.2009.4.1.1.1 Contribution to observing systems for seismogenic hazards
- ENV.2009.4.1.2.1 Further structuring the European approach to Earth Observation
- ENV.2009.4.1.3.1 Contribution to observing systems for environment and health monitoring and modelling
- ENV.2009.4.1.3.2 Earth observation in support of a sustainable exploitation of mineral resources
- ENV.2009.4.1.4.1 Action in the domain of earth observation to support capacity building in GEO

More information about this call:

http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.CooperationDetailsCallPage&call_id=142

6. NATURAL HAZARDS

FP7-ENV-2009-1

Publication Date: 03 September 2008

Budget: € 193 500 000

Deadline: 08 January 2009 at 17:00:00 (Brussels local time)

Specific Programme(s): Cooperation

Activity 6.1. Climate change, pollution and risks

-Sub-activity 6.1.3. Natural hazards

ENV.2009.1.3.2.1 Costs of natural hazards

ENV.2009.1.3.2.2 Vulnerability assessment of buildings, lifelines systems and networks related to earthquakes

ENV.2009.1.3.3.1 Risk, prevention and management of urban floods e Project

Activity 6.3. Environmental technologies

- Sub-activity 6.3.1. Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment

ENV.2009.3.1.2.1 Construction technologies for mitigating the impacts of soil sealing on soil functions and services, including mitigation of flood risk

ENV.2009.3.1.5.1 Technologies for improved safety of the built environment in relation to flood events

-Sub-Activity 6.3.2 Protection, conservation and enhancement of cultural heritage, including human habitat

Area 6.3.2.1 Assessment and conservation in cultural heritage

ENV.2009.3.2.1.1 Technologies for protecting cultural heritage assets from risks and damages resulting from extreme events, especially in the case of earthquakes

Activity 6.4. Earth observation and assessment tools for sustainable development

- Sub-activity 6.4.1. Earth and ocean observation systems and monitoring methods for the environment and sustainable development

ENV.2009.4.1.1.1 Contribution to observing systems for seismogenic hazards

More information about this call:

http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.CooperationDetailsCallPage&call_id=142

Events

➤ **Conference on natural disaster risk reduction.** Paris, France. 26 – 28 November. The increased number of 'natural' events in recent years demonstrates that we are still vulnerable and that the threat posed by the violence of atmospheric, oceanic or telluric forces has never been so real. Under these conditions, climate change has become emblematic of the new

challenges being faced and revealing society's irresponsibility. More information: <http://www.risq-ue2008.fr/>

7. HYDROGEOLOGY

FP7-ENV-2009-1

Publication Date: 03 September 2008

Budget: € 193 500 000

Deadline: 08 January 2009 at 17:00:00 (Brussels local time)

Specific Programme(s): Cooperation

Activity 6.1. Climate change, pollution and risks

- Sub-activity 6.1.1. Pressures on environment and climate

ENV.2009.1.1.5.2 Climate-induced changes in water resources in southern Europe and neighbouring countries as a threat to security

Activity 6.3 Environmental technologies

-Sub-Activity 6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment.

Area 6.3.1.1 Water

ENV.2009.3.1.1.1 Adaptation of water supply and sanitation systems to cope with climate change

More information about this call:

http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.CooperationDetailsCallPage&call_id=142

Events

➤ **European Groundwater Conference 2008** Paris, France. 13 – 15 November. This conference aims to bring together different communities involved in the implementation of the Water Framework Directive 2000/60/EC and the Groundwater Directive 2006/118/EC (national and European policy makers, scientists and stakeholders) as well as experts interested by groundwater integrated management issues. More information: www.groundwater2008paris.fr

➤ **Water and Infrastructure in the Groundwater.** Barcelona, Spain. 24 – 26 November. The main objective of the conference is to introduce scientific community-related technical matters in order to share experiences, developments and methodologies that would allow for a greater understanding of the interactions between water and underground infrastructure. More information: <http://www.aih-ge.org>

8. SOIL PROTECTION AND GEOLOGICAL HERITAGE

FP7-ENV-2009-1

Publication Date: 03 September 2008

Budget: € 193 500 000

Deadline: 08 January 2009 at 17:00:00 (Brussels local time)

Specific Programme(s): Cooperation

Activity 6.2. Sustainable management of resources

- Sub-activity 6.2.1. Conservation and sustainable management of natural and man-made resources and biodiversity

ENV.2009.2.1.3.1 Soil processes and modelling

ENV.2009.2.1.3.2 Desertification process and land degradation

Activity 6.3 Environmental technologies

-Sub-Activity 6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment.

Area 6.3.1.2 Soil

ENV.2009.3.1.2.1 Construction Technologies for mitigating the impacts of soil sealing on soil functions and services, including mitigation of flood risk

-Sub-activity 6.3.2. Protection, conservation and enhancement of cultural heritage, including human habitat

ENV.2009.3.2.1.1 Technologies for protecting cultural heritage assets from risks and damages resulting from extreme events, especially in the case of earthquakes

ENV.2009.3.2.1.2 Technologies for protecting cultural heritage assets from risks and damages resulting from extreme events, especially in the case of fires and storms

More information about this call:

http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.CooperationDetailsCallPage&call_id=142

9. MINERALS

FP7-ENV-2009-1

Publication Date: 03 September 2008

Budget: € 193 500 000

Deadline: 08 January 2009 at 17:00:00 (Brussels local time)

Specific Programme(s): Cooperation

Activity 6.4. Earth observation and assessment tools for sustainable development

- Sub-activity 6.4.1. Earth and ocean observation systems and monitoring methods for the environment and sustainable development

ENV.2009.4.1.3.2 Earth observation in support of a sustainable exploitation of mineral resources

More information about this call:

http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.CooperationDetailsCallPage&call_id=142

Events:

➤ **AMEC Mining Seminar.** London, United Kingdom. 4 December. AMEC is pleased to offer a one-day seminar free-to-registrants with emphasis on providing information of use to all in the mining industry. More information:

http://www.amec.com/documents/48ea7ec946d34d65b78bc88392bc6543/AMEC_Mining_Seminar

10. OIL AND GAS

Publications:

➤ A new special edition of research*eu - the magazine of the European Research Area:

http://ec.europa.eu/research/research-eu/oil/index_en.html

Events

➤ **Petroleum Geoscience Research Forum.** Aberdeen, United Kingdom. 11 – 12 November. This international conference presents state-of-the-art petroleum geoscience research carried

out in industry or jointly between industry and academia. The conference aims to attract leading academics and industry researchers alike and to provide an early-stage forum for ongoing post-doctoral and postgraduate research. More information:

<http://www.geolsoc.org.uk/gsl/groups/specialist/petroleum/page3769.html>

11. ENGINEERING GEOLOGY

Events

➤ **VI Symposium on geotechnical studies and foundation based upon CTE** Madrid, Spain. 24 – 28 November. This event aims to provide, a vision and update of new techniques and procedures for studies of geotechnical engineering, according to the regulations of CTE. More information: http://www.icog.es/_portal/uploads/formacion/FOLLETOCTE2008.pdf

12. JOB OPORTUNITIES

↳ **GEOLOGIST**

Job Title: Geologist

Location: Mount Isa, Australia

Job description: A staff vacancy exists within the Geology department for a Geologist. This is a residential role which offers the successful candidate the opportunity to play an integral role in a large multidisciplinary team.

More information:

http://www.eurogeologists.de/cms/images/content/Job_Oportunities/HHOC_Geologist.pdf

↳ **HYDROGEOLOGIST**

Job Title: Geohydrologist/Groundwater Hydrologist

Location: Davis, California, USA

Job description: West Yost Associates is seeking a Geohydrologist or Groundwater Hydrologist to support groundwater planning/design projects.

More information: <http://www.gethydrologyjobs.com/geohydrologist-groundwater-hydrologist-davis-california-77109.htm>

↳ **HYDROGEOLOGIST**

Job Title: Hydrogeologist

Location: Ireland

Job description: White Young Green (WYG) Environmental Ltd wish to appoint a Graduate Hydrogeologist to assist with the further development of their successful groundwater division.

More information: <http://www.igi.ie/files/Adverts/WYGGradHydro.pdf>

↳ **GEOLOGIST**

Job Title: Geologist

Location: Auckland, New Zealand

Job description: The Institute of Earth Science and Engineering (IESE) is seeking to employ an experienced Geologist with applied research interests in the geological factors that control fluid flow in the upper several km of the earth's crust.

More information:

http://www2.geolsoc.org.uk/template.cfm?name=geocareers_positions&intJobId=1423

Click the next link to see more job opportunities in the field of Hydrogeology:

<http://www.hydrology-jobs.com/>