

## European Federation of Geologists

### GEONEWS March 2008

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

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#### **1. EFG WORKSHOP**

**EFG Workshop during the 33rd International Geological Congress, Oslo, Norway 2008 6-14 August: [Issues for geologists in the 21st century – mitigation of man's influence and serving society's needs.](#)**

Second communication:

**EFG Board requests that you use your own networks to distribute this invitation (i.e. NA networks).**

Geologists are invited to contribute by means of presenting examples of above-mentioned topics, in which the role of geology has clearly been proven or clearly been underestimated. Contributions are also requested that will address questions on how to improve our visibility and our communication with governments to serve society.

**Abstracts of not more than 200 words should be submitted to the EFG Office before 31 March 2008 at: [efgbrussels@gmail.com](mailto:efgbrussels@gmail.com).**

Further enquiries about participation can also be made to this email address.

#### **Headings for papers in the EFG Workshop in Oslo**

##### **1. Societal benefits of geology**

- 1.1. Great contributions of geology to mankind
- 1.2. Geological mapping: the foundation of development
- 1.3. Humanitarian geology: how geology can help development

##### **2. Geological legislation: helping the change to happen**

- 2.1. Geologists in policy and geological policies
- 2.2. Natural hazards in planning policies: Global examples

##### **3. Georesources: the limits to growth**

- 3.1. Minerals resources global supply
- 3.2. Societal benefits of mining
- 3.3. Geo-energies: outlook for a change of the global paradigm
- 3.4. Role of geologists in providing water supply
- 3.5. Geological Heritage: past, present and future

#### 4. Geological professional associations: role and global experiences

- 4.1. European Federation of Geologists
- 4.2. The new World Federation of Geologists

#### 5. Educating in and of geology

- 5.1. Geological outreach: seeking social acceptance
- 5.2. Improving Earth Sciences performance and professional and scientific geologists' production.

**EFG Board would like to have some feed-back about EurGeols, EFG Experts, and EFG Delegates, planning to attend the 33rdIGC, in order to have a more active contribution from all of you. Please contact the EFG Office if you planning to attend this conference.**

*Thank you for your support on this matter.*

## 2. GENERAL NEWS

### Call for proposals

▪ The **SYNTHESYS** Office is pleased to announce the Eighth and **final call** for proposals under the European Commission's FPVI European-funded Integrated Infrastructure Initiative. SYNTHESYS Project funding is available to provide scientists (Users) based in European Member, Associate and Candidate States to undertake short visits to utilize the infrastructure (namely the collections, staff expertise and analytical facilities) at one of the 20 partner institutions for the purposes of their research. The 20 partner institutions are organized into 11 national Taxonomic Facilities (TAFs). TAF Users will be hosted by a TAF staff member.

The 11 TAF institutions represent an unparalleled resource for taxonomic research offering: Collections amounting to over 337 million natural history specimens, including 3.3 million type specimens, internationally renowned taxonomic and systematic skill base, and chemical analysis, molecular and imaging facilities. Proposals will be welcomed from high-calibre researchers seeking access for short-term visits.

SYNTHESYS is able to meet the Users' costs for: Research costs, international travel, local accommodation whilst based at the TAF, a per diem to contribute towards living costs.

See [www.synthesys.info](http://www.synthesys.info) for more information or contact [synthesys@nhm.ac.uk](mailto:synthesys@nhm.ac.uk)

### ▪ **FP7 - Environmental Research - calls for proposals FP7-ERANET-2008-RTD**

The Electronic Proposal Submission Service (EPSS) for this call has been available since 30 November 2007. Proposals must be submitted on or before 12 August 2008 (17:00). Further information and registration: [http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.CooperationCallsPage&id\\_activity=6](http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.CooperationCallsPage&id_activity=6).

### ▪ **Info Day FP7- 2<sup>nd</sup> Call 2008 - Environmental Technologies, 13 December 2007, Brussels, Belgium**

For final agenda, the list of participants and all the presentations, see CORDIS webpage:

[http://cordis.europa.eu/fp7/environment/events\\_en.html](http://cordis.europa.eu/fp7/environment/events_en.html)

For additional information, please contact Javier Peinado ([javier.peinado@ec.europa.eu](mailto:javier.peinado@ec.europa.eu)).

### ▪ **The Newsletter of the European Commission Scientific Committees**

It provides updates on the work of the European Commission Scientific Committees managed by the Directorate-General for Health and Consumer Protection. The Scientific Committee on Health and Environmental Risks (SCHER) provides advice on risk assessment of chemicals, health and environment issues, such as the effects of atmospheric pollution, indoor air quality on health, etc. It is published three times a year (January, May and September). Additional information: [http://ec.europa.eu/health/ph\\_risk/newsletters\\_risk\\_en.htm](http://ec.europa.eu/health/ph_risk/newsletters_risk_en.htm)

### Events

#### ▪ **Tertulia of Geoforo. Sustainable development has a future.**

On February 28, at I.C.O.G (Spanish Professional Association), there was an environmental social gathering with the participation of experts from the Environment Ministry, Housing Ministry and the School of Design at Harvard University, who discussed the future policies on land use, the use of natural resources and landscape.

Additional information: [http://icog.es/\\_portal/inicio/inicio.asp](http://icog.es/_portal/inicio/inicio.asp)

#### ▪ **V Simposio Argentino del Paleozoico Superior**

Museo Argentino de Ciencias Naturales "B. Rivadavia" (MACN), Buenos Aires, 21 --23 April 2008  
Additional information: <http://www.vsaps.com.ar>

▪ **The Geological Society. Online Bookshop Sale 7-14 March 2008**

Additional Information: <http://www.geolsoc.org.uk/gsl/publications/bookshop/page2608.html>

### 3. NATURAL HAZARDS AND CLIMATE CHANGE

#### Events

- **GEORRIESGOS 2008**, Workshop on Geological Risks, 2008 April 8-9, Las Palmas de Gran Canarias, Spain.  
More information: [www.georriesgos.es](http://www.georriesgos.es)

#### Publications

- **European research on Polar Environment and Climate - Results and information from FP5 and FP6 projects.**

More information: [http://ec.europa.eu/research/environment/pdf/Polar\\_catalogue\\_final.pdf](http://ec.europa.eu/research/environment/pdf/Polar_catalogue_final.pdf)

- **European research: Focusing on polar changes**

The International Polar Year 2007/08 is the largest internationally coordinated research programme in 50 years. A special Thematic Supplement of *CORDIS focus* illustrates the key European contributions to research in the polar regions, especially in the field of climate change. More information:

[ftp://ftp.cordis.europa.eu/pub/focus/docs/ts-supplement-25\\_en.pdf](ftp://ftp.cordis.europa.eu/pub/focus/docs/ts-supplement-25_en.pdf)

### 4. HYDROGEOLOGY

#### Events

- **International Conference. Geology and Water management: Resources, Risks and Regulations, 30 May 2008, Athens, Greece**

This one-day international conference is organized by the European Federation of Geologists in collaboration with the Association of Greek Geologists, in the premises of the Greek Ministry of Development. Among the themes of this event are: monitoring design and good management and maintenance practices. In order to register please contact the organizers [efgbrussels@gmail.com](mailto:efgbrussels@gmail.com)

- **Perspectives for European Water Management Law**, April 3-4, 2008, Brussels, Belgium

The purpose of this conference is to make overriding current structures and future trends in the dichotomy between economic and ecological interests tangible and to examine them in greater depth by analyzing exemplary issues. At the same time, the conference seeks to provide a forum to discuss and exchange views on competing visions and concepts within the Community and in the Member States, and to contribute towards the further development of law in this field.

[http://www.era.int/web/en/html/nodes\\_main/4\\_2127\\_474/conferences\\_0000\\_Date/5\\_1796\\_5232.htm](http://www.era.int/web/en/html/nodes_main/4_2127_474/conferences_0000_Date/5_1796_5232.htm)

- **Reinforced Water: Engineering and Environmental Considerations in Construction over Peat, 11 March 2008, British Geological Survey, Edinburgh,**

This conference places peatlands in their geological, geographical and geotechnical context, provides a forum for presentation of case studies of engineering practices in peatlands, and aims to facilitate discussion into how best peatlands might be engineered in the future.

More information: <http://www.geolsoc.org.uk/gsl/groups/specialist/engineering/page3220.html>

#### Reports

- **EU Report Series available from IWA Publishing**

This EU Report series resulted from a special agreement between the International Water Association and the European Commission and its Directorate-General for Research, aiming to articulate to researchers, policy makers and water practitioners scientific knowledge and innovative technologies for the sustainable management of natural resources, generated by multidisciplinary research projects supported in successive European Union's environmental research programmes. This series also intends to disseminate results for dedicated policy-oriented research undertaken in the context of Community Research Framework Programmes, especially research to support the implementation of the Water Framework Directive, the Drinking Water and Urban Waste Water Directives, as well as research to support the implementation of EU Water Initiative, a European commitment towards the Millennium Development Goals. More Information: <http://www.iwapublishing.com>

### 5. ENGINEERING GEOLOGY

#### Events

- **The II European Conference of the International Association for Engineering Geology "Euroengeo 2008"**

It will take place in Madrid, 15-20 September 2008. The main theme of the Congress will be "Cities and their underground environment". In this Forum experts and specialists will hold meetings and exchanges of ideas about geology applied to engineering.

More information on: <http://euroengeo.com/english/>

## 6. RENEWABLES ENERGIES AND GEOTHERMAL ENERGY

### Publication

#### Session on Geothermal Energy in Brussels

The Ministry of Industry convened a session on the benefits and potentials of Geothermal Energy, on 1 February in Brussels. Here you may find the speakers presentations: <http://eng.idnadarraduneyti.is/Publications/nr/2574>

The Icelandic Minister of Industry, during the opening session remarked on the full agreement with the Press release on the Directive on the promotion of the use of renewable energy sources. EFG, EGEC and EuroGeoSurveys

#### ▪ Geothermal Energy from Fractured Reservoirs - Dealing with Induced Seismicity, February 2008

This article provides updates on the outlook for exploiting geothermal energy around the world. Drawing on collaborative research undertaken by the IEA Geothermal Implementing Agreement<sup>4</sup> (IEA-GIA), it reports on recent developments with one of today's major research topics, induced seismicity and enhanced (or engineered) geothermal systems (EGS) involving artificially fractured geothermal reservoirs.

Further information: <http://www.iea.org/impagr/cip/pdf/Issue48Geothermal.pdf>.

### Events

#### ▪ Renewable Energy in Islands: markets for the future 29-30 May 2008, Tenerife, Spain

In the frame of the RESTMAC project, EREC is issuing a Call for papers for the Renewable Energy in Islands. Please submit your abstract before 5 April 2008. More information is available on: <http://www.islandsonline.org> E-mail: [c.marin@unescoan.org](mailto:c.marin@unescoan.org).

#### ▪ 2008 EU Presidency Renewable Energy Policy Forum, 17 November, Paris

In the Framework of the French Presidency of the European Union, EREC will organize in cooperation with the French Environment Agency ADEME the 2008 Renewable Energy Policy Forum.

More information will be available soon on: [www.erec.org](http://www.erec.org)

#### ▪ Workshop Geosciences for Geothermal Exploration. An integrated approach, 9 June 2008 (9.00-16.00hrs), Roma

On the occasion of the 70<sup>th</sup> EAGE Conference & Exhibition incorporating SPE EUROPEC 2008, a Workshop dedicated to geothermal exploration will be organized. The deadline for the presentation of abstracts is March 20. Speakers and contributors to the workshop need to register and pay for the workshop package. They are however entitled to register for the early workshop package registration fee, should they register before 1 May 2008. (Please note that this is **not** applicable for the conference & exhibition registration). A Mid-morning and mid-afternoon coffee (and tea) break are included, please note that the lunch is not.

Details can be found on EAGE website: <http://www.eage.org/events/index.php?eventid=57&Opendivs=s2>

## 7. CO2 SEQUESTRATION

### Legislation

#### European Parliament Open Hearing on CO2 Capture and storage, 5 March 2008

The Commission's climate energy package of 23 January included a draft directive on 'Geological storage of CO<sub>2</sub>' and the Communication on 'Supporting early demonstration of sustainable power generation from fossil fuels'.

EFG Office attended this event with high-level speakers from the European Commission, Member States, MEPs, power and petroleum industries, geologists and NGOs. Some of the topics presented in the discussion were: Security and safety concerns of geological storage of CO<sub>2</sub>, proposal of a directive on geological storage of CO<sub>2</sub> by DG ENV, EU support for implementation of CCS by DG TREN

CCS can reduce today's CO<sub>2</sub> emissions in the EU by 50% by 2050. CCS represents an important step towards building a cleaner energy chain.

### Events

#### ▪ Clean Coal Technology Conference, 17-18 March 2008, Cracow and Katowice, Poland

The key objective of this event, subtitled "Geological aspects of underground carbon storage and processing" is the discussion performed among the most prominent specialists, experts, entrepreneurs and politicians concerning all aspects of energy climate policy, in particular the safety of underground CO<sub>2</sub> storage and carbon processing. Further important aspects of the conference refer to the analysis of consequences of new policies for Poland as

well as the attempt to present a complex plan of actions in the fields of energy industry transformation, appointing and constructing safe CO2 storages, ambitious R&D programme for clean coal technologies and finally creating the programme for Enhanced Gas Recovery from Polish deposits.

More details: <http://www.kpk.gov.pl/aktualnosci/imprezy/info/3045/index.html>

## 8. SOIL AND GEOHERITAGE

### Events

#### ▪ **ConSoil 2008, 3-6 June 2008, Milano, Italy**

Besides the traditional focus on contamination of soil and groundwater, the event will deal with the functioning of the soil-water systems. With this multi-focus, the conference will follow the EU policy that aims at the sound and integrated management of soil-water systems in Europe.

Internet: <http://www.consoil.de/>

#### ▪ **The 3rd International UNESCO-Conference on Geoparks, June 22-26, 2008, Osnabrück, Germany**

The goal of the event is to create appropriate methods to raise the awareness of the geological heritage of our planet - far beyond the Geopark's borders. The following sessions will be held: young people and geoparks; socio-economic benefits of geoparks; climate change and geoparks; quality management in geoparks; European Union and geoparks; tourism and geoparks; presentation of new and aspiring geoparks; criterion to join the geopark family; bridging the gap between geology and soil sciences. At the occasion of the conference three workshops will take place: "Development of tourist packages"; "First Steps to become a GGN member" and "European programmes: How to get started": <http://www.geoparks2008.com/>

#### ▪ **M'08 - European Conference on Sludge Management, 4-5 September 2008, Liège, Belgium**

The two-day conference on sewage sludge management will particularly focus on dewatering, drying and thermal valorization. More details: <http://www.ulg.ac.be/bioreact/ECSM08/>

#### ▪ **Subsurface sediment remobilization and fluid flow in sedimentary basins, 21-22 October 2008, Burlington House, Piccadilly, London**

Deadline for abstracts: 5 May 2008.

Additional information: <http://www.geolsoc.org.uk/gsl/groups/specialist/petroleum/page1322.html>

## 9. JOB OPPORTUNITIES

### - **Geologist/Engineer**

Job Title: Geologist/Engineer

Location: Sacramento, California, USA.

Job Description: Individual will work at the direction of project and senior staff on a variety of environmental projects including soil and groundwater investigations, water quality evaluations, aquifer tests, soil and groundwater remediation, mining, and possibly geotechnical investigations. B.S. in Geology, Engineering, Environmental Science, less than 2 years of experience

More Information: <http://www.hydrology-jobs.com/staff-geologist-engineer---paid-relocation-sacramento-california-503.htm>

### - **Geologist**

Job Title: Geologist

Location: Houston, Texas

Job Description: ARCADIS is seeking a Full-Time Geologist for our Houston, Texas office to assist with subsurface investigation, remediation, and compliance oriented project work at a variety of sites. This position will support multiple clients, multiple types of industries, multiple regulatory jurisdictions, and an array of environmental issues; primarily investigation and remediation of soil and groundwater contaminated by hydrocarbons, metals, solvents, PCBs, and salts. B.S. Environmental Science, Geology, or other technical science degree. Minimum years of experience: 4-6.

Details: <http://www.hydrology-jobs.com/hydrology-geologist-houston-texas-527.htm>

### - **Hydrogeologist**

Job Title: An Intermediate to Senior Physical Hydrogeologist

Location: Calgary, Canada

Job Description: The work may include environmental impact assessments for the resource industry, mine dewatering projects, tailings pond assessments, injection and well testing, water supply work and groundwater modelling. A postgraduate degree in Hydrogeology or a related discipline, a minimum of five years relevant experience are required, experience with modelling packages such as Modflow, Aqtesolv and Flowpath an asset,

eligibility for professional registration in Alberta and strong interpersonal, communication and critical thinking skills are essential. Mid Career (2+ years of experience).

Details: <http://www.hydrology-jobs.com/hydrology-hydrogeologist-calgary-canada-431.htm>

- **Hydrogeologist**

Job Title: Principal Hydrogeologist, Ref: HJ/LS/18644

Location: West Midlands, United Kingdom

Job Description: My client is looking for a Principal Hydrogeologist to be based out of their offices in the West Midlands. Ideal candidates must have project management experience in contaminated land and landfill hydrogeology and should be chartered, or working towards Chartered status within a relevant institution. Applicants should also be qualified to at least MSc level. Skills in quantitative hydrogeology are essential, including experience in quantitative risk assessment. The applicant will also have experience in planning and supervising site investigation work. The role involves taking the lead on hydrogeology, within an established team of environmental scientists. An aptitude for business development would be an advantage. Mid Career (2+ years of experience).

Details: <http://www.hydrology-jobs.com/hydrology-principal-hydrogeologist-ref-hj-ls-18644-west-midlands-united-kingdom-335.htm>

- **Hydrogeologist**

Job Title: Management (Manager/Director of Staff)

Location: Melville, New York

Job Description: Aerotek Environmental is seeking an experienced Hydrogeologist (5-7 years experience). Qualified candidates must be capable of working independently to efficiently complete assignments and require minimal supervision in completion of daily tasks. Must have excellent verbal and written communication skills. Our ideal candidate will oversee well drilling/installation, Remediation projects, land development projects, and Groundwater projects. Must have US Environmental Consulting Experience! Education preferred/required: B.S. Geology or Hydrogeology.

More information: <http://www.hydrology-jobs.com/hydrology-hydrogeologist-melville-new-york-212.htm>



## Senior Mine Geologist – George Fisher Mine

An opportunity exists for a Senior Mine Geologist within the George Fisher Mine Geology Department.

Reporting to the Geology Superintendent, you will be responsible for managing a short term production team providing geological support for technical services and operations in a safe, timely and cost effective manner.

This residential role offers the successful candidate the opportunity to work as part of a large multidisciplinary geological team. George Fisher is a large structurally complex stratiform lead, zinc and silver deposit. Operation and production capabilities are currently ramping up and a number of opportunities exist for a suitably qualified geologist. George Fisher has an underground Resource in excess of 125Mt and a mine life of 15 years at current rates.

We are looking for someone with:

- Tertiary qualifications in Geology with 4 years experience working as part of a geological team.
- A working knowledge of MineSight or a similar mine planning software system.
- A track record of involvement in Mineral Resource estimation.
- Ability to initiate, plan and deliver in an accurate and timely manner on a variety of project tasks.
- Well developed verbal and written communication skills.



***Interested? Please apply online at our website***

**[www.xstratacareers.com.au](http://www.xstratacareers.com.au)**

If you would like more information on this role, feel free to contact Fiona Pascoe on 4744 6604.

**GRADUATE OPPORTUNITIES 2009 are now open. Applications are invited from graduating university students in the following disciplines:**

- Accounting
- Business
- Civil Engineering
- Electrical Engineering
- Environmental Science
- Geology
- Geoscience
- Human Resources
- Information Technology
- Mechanical Engineering
- Metallurgy
- Mining Engineering
- Occupational Health and Safety
- Rock Mechanics
- Surveying

Applications should be made via -[www.xstrata.com](http://www.xstrata.com)



Regards  
Sue

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