



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

## GEONEWS OCTOBER 2010

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 NEWS AND NEWS FROM EFG PROJECTS

### Events:

#### ➤ Euro-Ages Final Conference 2010, Budapest, 22 October 2010.

Over the past two years, the partners in the EURO-AGES project **European Accredited Geological Study Programmes** have worked towards developing a European qualification framework for geology, in the first and second cycles defined by the Bologna process, based on learning outcomes rather than input factors (course curricula). The objectives of the work are to increase transparency of Earth Sciences qualifications across Europe and therefore to facilitate improved academic and professional mobility across Europe. To this purpose it was supported by the European Commission.

The final conference is to be held on the occasion of the conclusion of the Euro-Ages Project. Representatives of HEIs from EU member countries interested in a European Quality Label for their study programmes; international (geology) experts from EU member countries participating as future Euro-Ages auditors (on invitation); representatives from industry and professional societies from EU member countries having an interest in raising the quality of geology in higher education.



More information: [www.euro-ages.eu/](http://www.euro-ages.eu/)

#### ➤ EFG Council Meeting in Belgium, Brussels, 27-28 November 2010.



#### ➤ Terrafirma 6<sup>th</sup> User Workshop and Terrafirma Product Training Day, European Space Agency, Rome, Italy, 1-2 December 2010.

The Terrafirma 6th User Workshop will share in a broad range of Terrafirma results covering differing geohazard phenomena within the three thematic lines: flood, tectonics and hydrogeology. In addition, the Product Training Day will aim to increase understanding of the PSI technique and enhance user knowledge of how to use the Terrafirma products.

There is no registration fee for the event, however spaces are limited.

More information:

<http://www.terrafirma.eu.com/workshop>



➤ **GEOTRAINET 8<sup>th</sup> TRAINING COURSE: Course for Designers and Drillers in Ground Source Heat Pump (GSHP) Systems, Course, Brussels, Belgium, 24-26 January 2011**

**Venue:** Museum of Natural Sciences, Rue Vautier 29, B-1000 Brussels, [www.naturalsciences.be](http://www.naturalsciences.be)



**Training for Designers:** This training course will be of interest to those who have existing experience of the design of ground source heating and cooling (GSHC) systems and who wish to reinforce and further develop their professional competence in this field. The course will focus primarily on closed loop GSHC systems.

**Training for Drillers:** This course responds to the demand from the GSHP market. The Drillers normally have a background in mechanics and work for drilling companies in water, foundation engineering, etc.; only a few are SMEs fully dedicated to geothermal energy. The course programme is based on the curricula developed by Geotrainet European Experts Platform. This Experts Platform has developed an education programme including the necessary content and skills for shallow geothermal system drillers.

The course and supporting materials will be delivered in English.

You can send your application until the 1<sup>st</sup> of December 2010 to [contact@geotrainet.eu](mailto:contact@geotrainet.eu).

More information: <http://geotrainet.eu/moodle/>.

➤ **GEOTRAINET Final Conference 2011, Brussels, 24-26 January 2011.**

**Venue:** Museum of Natural Sciences, Rue Vautier 29, B-1000 Brussels, [www.naturalsciences.be](http://www.naturalsciences.be)

The conference will present Geotrainet results concerning education and training for Shallow Geothermal Systems, the proceedings in the certification of GSHP installers as well as the future life of the Geotrainet project outcome.

More information and registration: <http://www.geotrainet.eu/moodle/>

## 2. GENERAL NEWS

### Events:

- **Conference on palaeoanalogue CIEs and current biosphere and ecological change as guides to the 22<sup>nd</sup> Century and beyond, London, The Geological Society, 2-3 November 2010.**

In the framework of its “Past Carbon Isotopic Events and Future Ecologies” the Geological Society organises in collaboration with the British Ecological Society a conference which will explore how geology and ecology can help to understand what the Earth’s environment might be like a century from now. The two-day discussion meeting sees invited presentations from internationally renowned geoscientists and ecologists in environmental and palaeoenvironmental change, and will end with a panel discussion on ‘Past rapid changes in CO<sub>2</sub> levels and the climate system: lessons for the future’, with Professor David MacKay, Chief Scientific Advisor at DECC; Lord Robert May, University of Oxford and Bryan Lovell, Geological Society President.

For more information on the conference programme and registration you can visit [www.geolsoc.org.uk/past\\_carbon](http://www.geolsoc.org.uk/past_carbon).

### Call for articles:

- **Episodes**, the editor Dr. Mudlappa JAYANANDA welcomes short, innovative, scientific articles, as well as items dealing with geological sciences and society. Spectacular geological photographs for the magazine cover, etc are also welcome. To submit your papers, or to make any other enquiries, contact Dr. JAYANANDA at email: [episodes.editor@gmail.com](mailto:episodes.editor@gmail.com)



More information: <http://www.episodes.org/Files/Guidance.htm>

## 3. RENEWABLE AND GEOTHERMAL ENERGIES

### Events:

- **GeoPower Europe, European Geothermal Energy Council, Paris, France, 8-9 December 2010.**

EGEC announces its 2<sup>nd</sup> annual GeoPower Europe Conference and exhibition which will focus on policy, finance and real project opportunities of the geothermal sector. The summit will bring together policy-makers, utilities, developers and investors from around the world to share ideas and define the actions needed to drive forward geothermal investment and development.

More information:

<http://www2.greenpowerconferences.co.uk/EF/?sSubSystem=Prospectus&sEventCode=GE1012FR&sSessionID=2ab7f45b1790b5e604babfe7ab903314-1491913>

- **GeoPower Europe, San Francisco, United States, 24-25 February 2011.**

More information:

<http://www2.greenpowerconferences.co.uk/EF/?sSubSystem=Prospectus&sEventCode=GE1102US&sSessionID=2d3f19257dfdc5fe7c0d14d6b82feb50-1483858>

### **Publications:**

➤ The EGEC newsletter presents the latest news on Geothermal Energy: <http://www.egec.org/>.

➤ **Geothermal Energy Systems: Exploration, Development, and Utilization, Ernst Huenges (ed.), Wiley VCH, April 2010.**

This new book edited by Ernst Huenges presents basic knowledge about geothermal technology and basic geology needed for the utilization of geothermal energy. The book describes the technology available to make use of the earth's heat for direct use, power, and/or chilling, and gives the economic and environmental conditions limiting its utilization.

## **4. MINERALS**

### **Events:**

➤ **FINEX 2010, Financing Exploration: The Role of the UK and Ireland in Global Mineral Exploration, London, The Geological Society, 27-28 October 2010.**

This two-day conference will examine the pre-eminent status of Britain and Ireland in the global mineral exploitation and provide a forum to exchange ideas and visions across the interface between the financial and mining sectors.

For more information on the conference please visit the Finex 2010 website: <http://www.londonfinex.com/>

➤ **Europe Mining Forum, London, 25-26 January 2011.** Fleming Gulf's Europe Mining Forum 2011 aims to explore Europe's mining potential by aligning goals between governments & the extractive sector.

More information: <http://www.fleminggulf.com/energy/europe/europe-mining-forum-2011>.

### **Publications:**

➤ **TODD, John, DOSHI, Samir, MCInnis, Anthony, "Beyond Coal: A Resilient New Economy for Appalachia", Vol.1, Issue 4, pp.45-52, Aug 02, 2010.** This article describes how ecological design can bring life back to the scarred landscapes of Appalachia dominated during decades by surfaced coal mining. The authors propose ecological principles to build new soils, revegetate barren lands, treat mining waste, cultivate foods, and generate fuel. Together, these elements will form the foundation of a new regional economy based on natural resources and renewable energy. To read the article go to: <http://www.thesolutionsjournal.com/node/706>.

## **5. HYDROGEOLOGY**

### **Events:**

➤ **1<sup>st</sup> SCARCE annual conference, "Understanding effects of global change on water quantity and quality in river basins". Institut Català de Recerca de l'Aigua, Girona, 2-3 December 2010.**

SCARCE is a project aiming to describe and predict the measure of global change impacts on water availability, water quality and ecosystem services in Mediterranean river basins of the Iberian Peninsula, as well as their impacts on the human society and economy. The team is

constituted by leading scientists in the fields of hydrology, geomorphology, chemistry, ecology, ecotoxicology, economy, engineering and modeling as well as by the involved water authorities and other relevant agents like stakeholders.

More information on the conference: <http://www.idaea.csic.es/scarceconsolider>

## 6. SOIL

### Publications :

➤ Lal, R. (2010) **Beyond Copenhagen: mitigating climate change and achieving food security through soil carbon sequestration.** *Food Security.* 2:169-177.

A new study shows that a greater focus should be given to the potential of carbon sequestration in the world's soils. The study suggests that restoring carbon to cropland and peat soils through recommended management practices (RMPs) like afforestation, no-till farming, use of compost and crop rotations could help to solve global problems of food insecurity and climate change.

**Contact for the study :** [Lal.1@osu.edu](mailto:Lal.1@osu.edu)

Source: <http://ec.europa.eu/environment/integration/research/newsalert/pdf/212na4.pdf>

## 7. JOB OPPORTUNITIES

### ↳ HYDROGEOLOGIST

*Job Title:* Hydrogeologist

*Location:* Pewaukee, Wisconsin, United States

*Job Description:* Natural Resource Technology, Inc. (NRT) delivers solutions for the development, management, restoration, and sustainability of our natural resources. NRT projects include contamination assessment (soil, groundwater, and sediment), remediation design and construction, site redevelopment, and landfill design. NRT clients range from gas and electric utilities, commercial and industrial corporations, major law firms, financial institutions, insurance companies, developers, city/county/state government agencies, and industry research associations throughout the United States.

*Qualification:* 2 to 7 years experience ideal, environmental consulting experience preferred, MS preferred, BS considered (Geology, Hydrogeology, Geological Engineering, Water Resources considered with appropriate experience). Groundwater modelling experience and professional Geologist certification are a plus

*More information:* [rcaudill@naturalrt.com](mailto:rcaudill@naturalrt.com)

If you want to find more offers for employment, visit the section 'Job and Funding'>>'Job Opportunities' on our webpage (<http://www.eurogeologists.eu/index.php?page=143>). Here you can find several links from our members or other organizations.