



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

EFG WORKSHOP

European water policy: challenges for Hydrogeologists

Date: 22-23 November 2013
Venue: Royal Belgian Institute of Natural Sciences, Rue Vautier 29, 1000 Brussels
Organizer: EFG Panel of Experts on Hydrogeology
Supported by: IAH, WsssTP, EuroGeoSurveys, BGS

WORKSHOP AIM

This workshop will highlight those areas where hydrogeologists are playing an important role in the implementation of the Water Framework Directive, Groundwater Directive and the new business opportunities now opening to firms in hydrogeology with the publication of the Blueprint. The Workshop will also provide a unique opportunity to obtain a corresponding official acknowledgement of this role by the European Commission.

BACKGROUND

The publication of the EU Commission's Blueprint to Safeguard Europe's Water Resources policy document introduces a new strategy to reinforce water management within the EU.

The "Blueprint" outlines actions that concentrate on better implementation of current water legislation, integration of water policy objectives into other policies, and filling the gaps in particular as regards water quantity and efficiency. The objective is to ensure that a sufficient quantity of good quality water is available for people's needs, the economy and the environment throughout the EU.

As with surface waters, groundwater has to be evaluated, monitored and protected, to ensure human needs and also environmental requirements. Hydrogeology has a crucial role in this process, because groundwater is the "hidden" component of the water cycle, and is not easy to analyse.

An in-depth and first-hand knowledge of this new European policy is essential for firms and professionals in Hydrogeology. Hydrogeologists must be involved in this process, offering their irreplaceable knowledge and ability in several topics of great importance such as, the identification of groundwater flow to wetlands, the reduction of over-abstraction, the calculation of water accounts in river basins, the effect of climate changes, and others. The hydrogeological community, adopting a modern multidisciplinary approach, has the capacity to investigate and develop innovative solutions to these issues and challenges.

WORKSHOP CONTENT

The conference will be divided into 5 sections. The first section will be an introduction on European Water Policy, including presentations from all relevant European policy areas active on water. This section will be followed by four technical sections on: Land use and ecological status; Chemical status and pollution; Water efficiency; Vulnerability.

The workshop will end with a Final Declaration prepared by EFG Panel of Experts on Hydrogeology.

REGISTRATION

To register for the Hydrogeology workshop please complete the [registration form](#), available in EFG web, and return it to info.efg@eurogeologists.eu

Supporting organisations:





PROGRAMME

1st Day: 22 November from 13 -18h

13.00	Registration
Open session	
13:30	Welcome Address EFG President, <i>Victor Correia</i> IAH WssTP EuroGeoSurveys Secretary General, <i>Luca Demicheli</i>
Introduction on European Water Policy	
	Chairperson: <i>Philippe Quevauviller</i> , DG Enterprise and Industry, Security Research Programme
14:00	European water policy: challenges for Hydrogeologists <i>Dr Marco Petitta</i> , EFG PE on Hydrogeology Coordinator
14:20	Assessments for the European state of waters – the role of Hydrology in obtaining reliable and policy relevant information <i>Beate Werner</i> , Water - Head of Group, European Environment Agency
14:40	Water Scarcity and Droughts in the European Union, and the challenges for Hydrogeologists in this context, European Innovation Partnership in Water <i>Henriette Faergemann</i> , Team Leader - Water Scarcity & Droughts, Unit Protection of Water Resources, DG Environment, European Commission
15:00	Blueprint and Hydrogeology, CIS WG-C <i>Johannes Grath</i> , Chair of CIS WG-C, DG Environment Working Group
15:20	The Water Sector in the European Development Policy <i>Stathis Dalamangas</i> , Head of Sector on Water and Sanitation in EuropAid Development and Cooperation Office, European Commission
15:40	--- COFFEE BREAK ---
16:00	H2020: Groundwater Research and Innovation <i>Christos Fragakis</i> , Unit on Management of Natural Resources, DG Research and Innovation, European Commission
16:20	Water Supply and Sanitation Technology Platform – WSSTP <i>Nicole Zantkuijl</i> , WSSTP
16:40	Eurogeosurveys view on a Groundwater Research Agenda for Europe <i>Klaus Hinsby</i> , Geological Survey of Denmark and Greenland (GEUS), Denmark
Technical session on Land use and ecological status: Hydrogeologists contribution at Regional, National and European level	
	Chairperson: <i>Nicola Notaro</i> , Deputy Head of Unit Water, Directorate on Quality of Life, Water & Air, DG Environment, European Commission
17:00	Exploration groundwater and hydrogeological conceptual models <i>J. Martins Carvalho</i> , EFG PE Hydrogeology, Portugal
17:20	Integration of groundwater protection for human consumption in land use planning <i>Carlos Martinez C</i> , IGME, EFG PE Hydrogeology, Spain
17:40	Contribution from GENESIS Project <i>Björn Klove</i> , University of Oulu, Finland
18:00	Q & A Session and Discussion

Supporting organisations:





2nd Day: 23 November from 9 -13h

Technical session on Chemical status and pollution, Groundwater Protection Directive: Hydrogeologists experience	
Chairperson: EFG	
9:00	Geochemistry of European surface and groundwater <i>Alecos Demetriades, EFG PE Hydrogeology, Greece</i>
9:20	Hydrogeology in the Carpathian basin <i>Peter Szucs, EFG PE Hydrogeology, (co-authors: Tamás Madarász and László Perger).Hungary</i>
9:40	Natural Background in Groundwater: experiences from Italy <i>Elisabetta Preziosi, CNR, National Institute Water Research, Italy</i>
Technical session on Water efficiency: Hydrogeology water resources	
Chairperson: <i>Theodora Szocs, IAH, Vice President for Europe</i>	
10:00	Managed aquifer recharge in line with European groundwater legislation (FP7 project DEMEAU on impact evaluation and approaches for authorization). <i>Gesche Grützmacher, WssTP, Germany</i>
10:20	Thermal water depletion and its impact on drinking water <i>János Szanyi, Szeged University, EFG PE Coordinator on Geothermal Energy, Hungary</i>
10:40	Closing the water cycle for sustainable groundwater management (in the Flemish dunes) <i>Emmanuel Van Houtte, IWVA, Belgium</i>
11:00	--- COFFEE BREAK ---
Technical session on Vulnerability	
Chairperson: <i>Klaus Hinsby, Geological Survey of Denmark and Greenland (GEUS), Denmark</i>	
11:20	Groundwater Vulnerability and the EIA/EIS Process <i>Kevin Cullen, EFG PE Hydrogeology, Ireland</i>
11:40	Climatic dependency of mountain springs: Challenges for a sustainable groundwater management in the Swiss Alps. <i>Pierre Christe, Environmental protection agency of Canton Valais, EFG PE Hydrogeology, Switzerland</i>
12:00	Technologies to tackle water scarcity and reduce groundwater vulnerability in a Mediterranean delta area <i>Jorge Molinero, Groundwater & Soils Department of Amphos 21, WssTP, Spain</i>
Closing session	
12:20	Groundwater for developing countries <i>Carlo Enrico Bravi,GSF, EFG PE Hydrogeology, Italy</i>
12:50	EU-funded projects on groundwater: contribution to innovation <ul style="list-style-type: none"> - AquaTerra, dispersion of pollutants in the water cycle, EU-FP6 (2004-2010) <i>Peter Grathwohl, AquaTerra project coordinator, University of Tübingen, Germany</i> - RISKBASE project, Risk-informed management of European river basins <i>Jos Brils, Deltares, Netherlands</i> - WADE project, Christoph Külls, University of Freiburg, Germany
13:00	Final Declaration

Supporting organisations:

