



NEWS AND INFORMATION

International Association of Hydrogeologists

The international groundwater organisation

Since 1956 a world-wide forum on the management of groundwater for the benefit of mankind and the environment

IAH 50th Anniversary



The IAH 50th Anniversary logo is based upon a classic picture of the fountains in Dijon and recognises the fact that IAH shares its 50th Anniversary with the 150th Anniversary of the publication of Darcy's Law which will also be recognised at the Dijon meeting.

Following the Second World War a group of academic and government geologists working in the newly established field of groundwater began meeting at the International Geological Congress (London 1948, Algiers 1952). This led in 1956 at the IGC in Mexico City to the inaugural meeting of IAH and the election of its first Council under Professor Fourmarnier of Belgium.

The founding group was largely European and not well linked with parallel advances in the understanding of groundwater being made in North America - what better justification for an international community of hydrogeologists?

From these small beginnings IAH has grown:

- into an association with almost 4000 members in 140 countries;
- beyond its geological roots into a truly multidisciplinary organisation;
- to embrace academics, researchers, regulators and consultants;
- to play a significant role in understanding and publishing on groundwater;
- to contribute its members' expertise and experience;
- to champion the role of groundwater in international policy fora.

These words are from the booklet which IAH has published to mark its 50th anniversary.

The booklet was launched, in the same city as IAH was founded, at the 4th World Water Forum in Mexico City. It is being sent to all IAH members along with this issue of News and Information. It will also be presented at the two meetings being held to mark the anniversary - the Colloque Anniversaire in Dijon France from 30 May to 1 June 2006 and the 34th Anniversary Congress to be held in Beijing from 9 to 13 October 2006.

How to contact IAH

PO Box 9, Kenilworth, CV8 1JG, UK
Tel: +44 (0)870 762 4462; Fax: +44 (0)870 762 8462
E-mail: iah@iah.org; Web: www.iah.org

To join IAH please visit the web site and either join on-line or download the membership application form

Inside this issue

Groundwater at the World Water Forum

Page

2-3

President's Column

4

"Where Waters Meet" - Report

8

Conference Calendar

12

Groundwater at the World Water Forum

The Mexico World Water Forum, the 4th in the series, was held from 16 to 22 March and had the main theme "Local Actions for a Global Challenge". The recognition of the increasing significance of proper groundwater management is well demonstrated by the increasing profile which groundwater issues have had at these successive three year gatherings. In 2000 in The Hague there was just one session, in 2003 at Kyoto there was a groundwater theme day while in Mexico City there were a number of well attended sponsored sessions featured strongly on groundwater issues.

WWF session

Groundwater Protection in Africa
Shared groundwater resources for sustainable management
Groundwater for Life and Livelihoods - a framework for action
Groundwater management in the Middle East and North Africa region.
Groundwater and risk management: coping with water scarcity, climate change and emergency situations.
The manifold dimensions of groundwater sustainability

Convenors

UNEP/UNESCO salip.diop@unep.org
UNESCO a.aureli@unesco.org
IAH/AGID/WB askinner@iah.org

WB sueda@worldbank.org
UNESCO/IGRAC
jac.vandergun@tno.nl
RAS/IGME mrlamas@geo.ucm.es

Available session details can be found on the IAH web site at www.iah.org/news/059.html

In his statement on World Water Day, 22 March 2006 UN Secretary-General Kofi Annan said: "*On this World Water Day, let us recognize the cultural, environmental and economic importance of clean water, and strengthen our efforts to protect rivers, lakes and aquifers. We need to distribute water more equitably, and increase the efficiency of water use, especially in agriculture. Let us mount a sustained effort - among international bodies, Governments and local communities, and across traditions and cultures - that will reach our goals.*" Is this the first ever reference to groundwater in a UN Secretary-General's statement?

Photos from the forum

(top right) IAH President Stephen Foster, watched by AGID Past President Shrikant Limaye, makes his point; (bottom right) Karin Kemper (World Bank), Andrew Skinner (IAH), Daniel Zimmer (World Water Council) and Al Duda (GEF Secretariat) at the IAH session; (top left) Standing room only at the groundwater sessions; (bottom left) Yongxin Xu (University of Western Cape), Willi Struckmeier (IAH) and Eberhard Braune (Dept. of Water Affairs, South Africa) after the Africa Groundwater session;



Groundwater and Rural Water Supply in Africa

To coincide with the World Water Forum the IAH Burdon Groundwater Network (formerly the Burdon Commission) produced a briefing note to highlight key groundwater issues in Africa. Here is a summary:

The Millennium Development Goals (MDGs) for water will only be achieved in Africa by increased development of groundwater for rural water supply. However, the role that groundwater plays in achieving the MDGs is underrated and rarely articulated. This briefing note explores the main groundwater issues related to rural water supply in Africa.

1 Groundwater is the only realistic water supply option for meeting dispersed rural demand.

2 Hydrogeological capability makes water supply programmes more effective.

3 Expertise on African groundwater is dwindling and existing knowledge and research are not readily accessible.

4 Critical research gaps need to be addressed to help develop groundwater effectively. In particular: developing groundwater in difficult areas; variations in natural groundwater quality; the effect of drought and climate change on groundwater; and the impact of sanitation on community water supplies.

Rural water supply and the MDGs

There are still at least 1.1 billion people across the world that do not have access to safe drinking water. Many of these people live in rural areas and are among the poorest and most vulnerable to be found anywhere in the world. In sub-Saharan Africa, 300 million people have no access to safe water supplies - approximately 80% live in rural areas. Therefore, significantly increasing the coverage of rural water supply in Africa is fundamental to achieving many of the internationally agreed Millennium Development Goals. Without safe water near to dwellings, the health and livelihoods of families can be severely affected; children's education suffers as the daily tasks of survival take precedence over all other concerns.

Why groundwater?

Over much of Africa, groundwater is the only realistic water supply option for meeting dispersed rural demand. Alternative water resources can be unreliable and difficult or expensive to develop: surface water is prone to contamination, often seasonal, and needs to be piped to the point of need; rainwater harvesting is expensive and requires good rainfall throughout the year.

The characteristics of groundwater make it well suited to the more demand responsive and participatory approaches of rural water and sanitation programmes:

- Groundwater resources are often resistant to drought;
- Groundwater can generally be found close to the point of demand (if you look hard enough with appropriate expertise);
- Groundwater is generally of excellent natural quality and requires no prior treatment;
- Groundwater can be developed incrementally, and often accessed cheaply;
- Technology is often amenable to community operation and management;
- Groundwater is naturally protected from contamination.

The full document can be found at www.iah.org/news/059.html

ANNUAL GENERAL MEETING 2006

Notice is given that the 2006 annual meeting of the International Association of Hydrogeologists will be held at the Beijing International Congress Center, No 8 Beichendong Road, Bei Si Huan, Beijing 100101, China on Thursday 12 October (time to be announced) during the 34th IAH Congress. All members of the Association who have fully paid their subscriptions for the current year are entitled to attend and participate in the proceedings. Guests are welcome.

President's Column FROM THE WATER TABLE

GROUNDWATER RESOURCES - EVALUATION AND VALUATION

The 4th World Water Forum (Mexico DF on 16-22 March 2006) represented a major challenge and considerable concern for those involved with the advocacy of groundwater interests. This triennial series of global fora is aimed at raising the political profile of water issues, and at leveraging commitment and investment for new water policy initiatives.

For this reason the Forum agenda is structured around certain 'policy-related themes' and underlain by 'cross-cutting policy-related perspectives'. The themes under consideration include:

- Water and Energy for Economic Development
- Water for Food Production and the Environment
- Water-Supply and Sanitation for All
- Improving Water-Supply Security

In this agenda groundwater is 'everywhere but nowhere' - it permeates the entire programme but is not anywhere very prominent - and there is real danger that its special needs will be lost sight of. Such an outcome would have been especially regretful given the Mexico venue - in view of the critical significance of groundwater to national development and the fact that the Mexicans have made important attempts to address some of their especially severe groundwater management problems.

Those trying to develop a 'strong groundwater position' for the Forum have been seriously handicapped by lack of hard data on the socio-economic value of 'our resource', the size of groundwater-based economies and the economic implications of resource degradation. It is in this context that I ask IAH Members: Is it not time that we groundwater specialists radically re-think what we mean by the term 'groundwater resource evaluation'?

In the infancy of quantitative hydrogeological science this expression was taken to include only aquifer physical properties and hydraulic boundaries. In more recent decades, with growing concern over 'quantity and quality issues', it has gradually been broadened to encompass the 'dynamics of aquifer recharge', the presence of 'geochemical fronts' and the 'intrinsic vulnerability' of aquifers to pollution (or its inverse - aquifer contaminant attenuation capacity).

But is this far enough? Well, when it comes to arguing the case for more investment in groundwater investigation, monitoring, research, resource administration and quality protection - the answer is most certainly not! When communicating with national or local government ministers, environment or water resource agency chiefs, city mayors and engineers and water company executives, other characteristics assume much greater importance.

Foremost arise questions of the socio-economic and environmental significance of groundwater resources, as a measure of the justification for investing in groundwater understanding, management and protection. To undertake such a 'groundwater valuation' we need to ensure that our databases include a detailed profile of actual and potential groundwater users and the productivity and benefit of their use of the resource.

Estimates of the size of the groundwater-related economy and/or the cost of a replacement water-supply (of equally-assured chemical quality and drought resilience) to that derived from groundwater are key indicators. But all too often our extensive groundwater databases and voluminous hydrogeological reports provide scant information in this regard.

I would put it to you that such 'socio-economic factors' should take equal place in our everyday work of groundwater resource characterisation, as do their purely technical counterparts. Take, by way of comparison, the specification of land resources. No one would dream of restricting this to topography and soil type - since greater emphasis would always be put on potential value, ownership constraints and physical accessibility.

So, why is it, you may ask, that we tend to take a much more 'blinkered view' of groundwater resources? Well, no doubt the answer to this question has its roots in the fact that a major scientific effort was needed (and is still required) to understand subsurface flow and quality regimes - thus groundwater became the 'dominion' of the geoscientist. But be this as it may, we do ourselves few favours by ignoring the socio-economic valuation of the natural resource for which we have assumed responsibility.

Stephen Foster
IAH President

Colloque Anniversaire Dijon, France 30 May - 1 June 2006

- 30 May Events to honour the parallel 150th anniversary of Darcy's Law; lectures, exhibition of documents and his work, IAH awards and ceremony in Place Darcy at the Fountains of Dijon
- 31 May First day of colloquium on the management of large aquifer systems; IAH open meeting - review and future perspectives.
- 1 June Second day of colloquium; meeting of IAH Council.

The colloquium will include a civic reception and a gala dinner and will be followed by excursions to classic hydrogeological venues.

Download the second circular: http://www.brgm.fr/aih/fichier/circulaire_N2.pdf

Download the registration form: <http://www.brgm.fr/aih/inscription.htm>

50 YEARS OF IAH Join the celebration in Dijon and Beijing

34th Anniversary Congress Beijing China 9 - 13 October 2006 Groundwater - present status and future task

The first day of the meeting will be a plenary session devoted to the opening of the Congress addressing challenges and perspectives of groundwater resource management. It will include keynote lectures from senior officials in five UN agencies (UNESCO, FAO, World Bank, UNEP and IAEA) with major programmes of work on groundwater.

Congress themes

Water resources and sustainable development	Groundwater conservation and ecological considerations
Exploitation and utilisation of groundwater - past and future	Sustainable utilisation of groundwater in urban and rural areas
Understanding regional groundwater systems	Special groundwater themes

The Office of 34th IAH Congress: Tel:86+ 311-8802380; Fax: 86+ 311-88021225
E-mail: wmail2006@iah34bj.com; iah34_cn@yahoo.com.cn Web: www.iah34bj.com/English/index.html

New publications



IAH 50th Anniversary Booklet - The Association and its Mission

Produced to mark the 50th anniversary of IAH in 2006, this is a twelve page review of the Association and the issues it seeks to champion. It is distributed to all members with the April 2006 issue of News and Information. It is also available for downloading from the IAH home page www.iah.org



2006 MARS Calendar

The IAH National Committee of The Netherlands, as part of its programme of support for the sustainable management of aquifer recharge, and the IAH MAR Commission combined with UNESCO to produce a highly innovative 2006 calendar with photographs of MAR projects from around the world. The calendar also doubles as an enduring resource booklet with information on these projects. The calendar can be obtained from Jan Piet Heederik or downloaded from the MAR home page www.iah.org/recharge



Strategies for MAR in semi-arid areas

Drawing on experience from MAR activities around the world, Ian Gale has compiled a document discussing issues relating to MAR, illustrated with a variety of case studies. The document, sponsored and published by UNESCO, can be obtained from A.Lipponen@unesco.org UNESCO or Sam Jones, BGS, UK or downloaded from the MAR home page www.iah.org/recharge



Groundwater Resources of the World Transboundary Aquifer Systems

A special edition from the WHYMAP project produced for the 4th World Water Forum. This superimposes on the 1:50 000 000 WHYMAP base the transboundary aquifers of the world. The units depicted are classified as those where major investigations supported by modelling are underway and those where new investigations are thought necessary. The map is published jointly by BGR and UNESCO and details of availability can be found from www.whymap.org

Aquifères et eaux souterraines en France Collectif sous la direction de Jean Claude Roux

Véritable synthèse des connaissances à ce jour sur les eaux souterraines en France métropolitaine et DOM-TOM, cet ouvrage a été rédigé par 80 spécialistes de l'hydrogéologie de la France issus d'organismes publics, de collectivités locales ou de privé. Il décrit en douze grands chapitres les aquifères et leurs eaux souterraines dans les bassins sédimentaires, les chaînes alpines et pyrénéennes et les massifs anciens. Coédition: BRGM-CFH
<http://editions.brgm.fr>

European Groundwater Conference 2006 Vienna, Austria 22 - 23 June 2006

The legislative framework for managing groundwater in Europe is being radically changed through the implementation of the EU Water Framework Directive and in particular the EU Daughter Directive on Groundwater Protection against Pollution. This conference comes during the Austrian Presidency of the Union and at a key stage in the implementation of the new legislation in which Austrian specialists have played an important coordinating role.

It is designed to present and discuss the key policy and science-policy aspects of the overall EU groundwater legislative framework. IAH, both corporately and also through its many members who provide national expert input, has been active in helping to shape the implementation of these Directives. IAH is supporting this conference and commends it to all members with an interest in groundwater management in Europe as an opportunity to get an up to date overview from those who are shaping the rule book for the way you do your job in the future.

Full details can be obtained from:

http://www.umweltbundesamt.at/en/umweltschutz/wasser/wasser_events/eu-grundwasser2006/

europa
european
conference
vienna 2006

Future IAH Congresses



XXXV Congress of the IAH Groundwater and Ecosystems Lisbon, Portugal 17 - 21 September 2007

The IAH 2007 Congress will debate the subject of Groundwater and Ecosystems and other related hydrogeological, ecological, biogeochemical, modelling and economical issues within the five-day core of short-courses, presentations, discussions and poster sessions. The congress hopes to bridge scientific disciplines, and integrate knowledge, that are placed in an international context,

E-mail: iah2007@gmail.com

Web site: <http://www.geo.ua.pt/aih-gp/iah2007>

You are invited to pre-register by E-mail to ensure that you receive the second circular.

XXXVI Congress of IAH Integrating Groundwater Science and Human Well-being Toyama City, Japan 26 October - 1 November 2008

The congress will address, in the context of groundwater development and management, human security, environmental security, food security and climate change. It will provide a forum for discussion between groundwater specialists and other disciplines recognising the importance of these issues in ensuring a sustainable society and in preserving human well-being.

E-mail: ysakura@faculty.chiba-u.ac.jp

“Where Waters Meet” - Report on the November 2005 Auckland Conference and Fieldtrip by Ian Acworth and Neil Merrick

The IAH Australia Chapter, the New Zealand Hydrological Society (NZHS) and the New Zealand Society for Soil Science (NZSS) collaborated to present the "Where Waters Meet" conference in Auckland, New Zealand at the end of November 2005. The conference began with a day of workshops followed by three days of technical meetings. The conference ended with a technical tour around some of the hydrogeological sites of interest on North Island of New Zealand, finishing on Sunday 4 December back at Auckland Airport. The conference was attended by 246 delegates coming mostly from Australia and New Zealand but with international visitors from a range of countries including USA, Ireland, UK, South Africa and India. AusAID provided a significant grant to the conference organizers that allowed sponsorship (travel and attendance costs) of four delegates from South Africa and India.

The week opened with pre-conference workshops. The main meeting was split between three parallel sessions covering a diverse range of topics including stream-aquifer interaction, aquifer storage and recovery, coastal salinity, spring discharge, geophysical techniques, flow through soil and the unsaturated zone, storm-water management and Tsunami and tidal effects. In total there were 124 oral presentations and 16 poster presentations.

Keynote addresses by Professor Rae Mackay (Birmingham University, UK - "Understanding Stream-Aquifer Exchanges - A Multiscale Problem"), Earl Shaver (Auckland Regional Council - Stormwater Management Initiatives) and Dr Ray Froend (Edith Cowan University - Groundwater Dependent Ecosystem Response to a Changing Environment: A Case Study from the Swan Coastal Plain of Western Australia), got the conference off to a good start. The Conference Dinner was attended by 189 people and compered by comedian Te Radar. During the dinner Andrew Skinner (IAH International Office) presented former IAH President, Michael Knight, with a certificate of honorary life membership conferred during the IAH Annual Meeting in Belgrade earlier in the year.

The conference presentations were of a high standard. Authors had the option of a peer review process and inclusion of their paper on the conference CD, or an oral presentation and inclusion only of the abstract in the Conference Program. The Best Paper award was made to S Baskaran, R S Brodie, T Ransley and P Baker for their paper "Time-

series measurements of stream and sediment temperature for understanding river-groundwater interactions: Border Rivers and Lower Richmond Catchments, Australia". Copies of the Conference CD are still available from the organisers.

A vote of thanks is given to the NZHS staff who organised a very enjoyable conference. The Australian committee was responsible for the technical program and peer reviewing.



Michael Knight, president of IAH from 1996 to 2000, receiving a certificate of honorary membership of the Association from Andrew Skinner, IAH Executive Manager

The post-conference Field Trip was organised by Paul White (Geological & Nuclear Sciences Ltd). He did a wonderful job, and was presented with a suitably inscribed IAH Hospitality Award at the end of the excursion. The delegates and partners were treated to an amazing variety of exhibits, ranging from major springs to Lord of the Rings icon sites to the incredible Lake Taupo, which was the group's base for two nights.



Inspecting large springs in the Lake Rotorua catchment

ModTech

New 3D Groundwater Flow and Mass Transport Modeling Software

5 reasons to try

- ▶ Groundwater flow simulation software + full-blown GIS in one package
- ▶ Fully functional evaluation version – no restrictions for 30 days
- ▶ Free e-mail support for 30 days
- ▶ Introductory tutorial plus 8 informative sample models
- ▶ Comprehensive online help + 2 user guides

5 reasons to buy

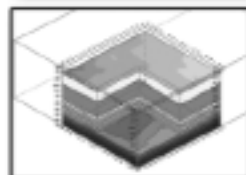
- ▶ Simulation in a real-world geographic environment
- ▶ Common MODFLOW methods + a proprietary Chebyshev's Chess Algorithm
- ▶ A new proprietary Flow Structure Modeling (FSM) mass transport simulation method + commonly-used MT3DMS
- ▶ Wide variety of model schematization approaches
- ▶ Built-in statistical and 3D visualization tools, import/export to MODFLOW-based packages, interactive script wizard, and more

Pricing

Single User License starting from \$999
Academic License starting from \$399
Training course and support options available



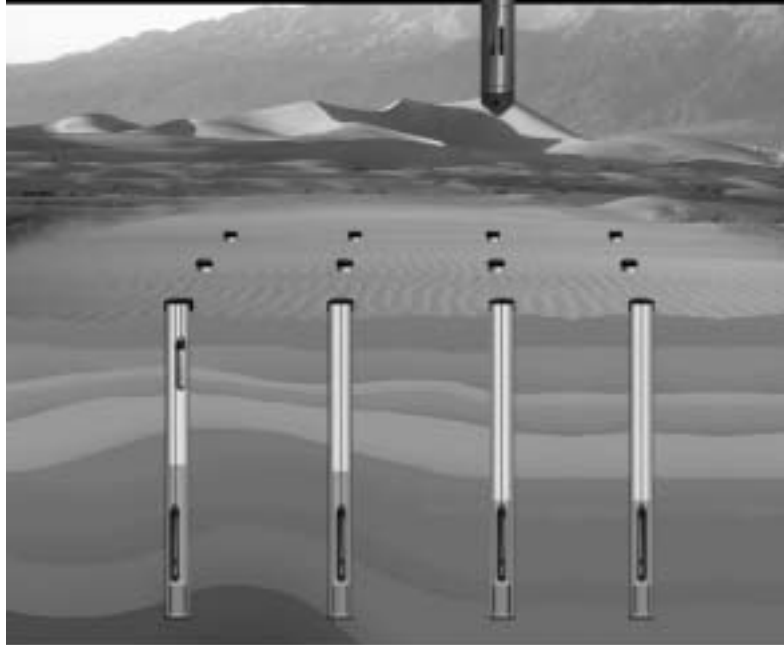
Get a fully functional 30-day evaluation version at: www.modtech-gw.com
For more details call (416) 707-9129
or e-mail support@modtech-gw.com



CTD-DIVER

groundwater
salinity
monitoring

Schlumberger
Water Services



The latest CTD-Diver once again raises the standard for groundwater dataloggers. It is equipped with 3 sensors for monitoring of groundwater level, temperature and conductivity (and thus salinity).

Applications

- Aquifer storage and recovery projects
- Salinization projects
- Saltwater intrusion projects
- Discharge monitoring
- Monitoring landfill sites
- Monitoring groundwater and surface water

Benefits

- Fits in 1" monitoring wells
- Frequent, long-term measuring without human intervention
- Reliable and accurate data
- Easy calibration
- No corrosion issues due to ceramic materials

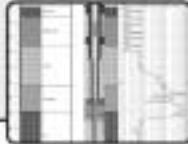
www.water.slb.com

For additional information please email us at sws-info@slb.com

Software Solutions

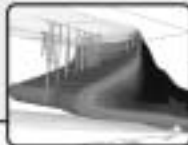
HydroGeo Analyst

Groundwater & Borehole Data Management



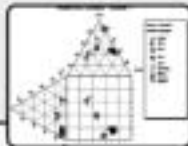
Visual MODFLOW Pro

3D Flow & Transport Modeling



AquaChem

Water Quality Analysis



WHI UnSat Suite & Visual HELP

Unsaturated Flow & Transport Modeling



AquiferTest Pro

Pumping Test & Slug Test Analysis



VISIT US ON THE WEB TO GET YOUR FREE DEMO CD TODAY!

Waterloo Hydrogeologic, Inc. has been developing and distributing groundwater and environmental software for over 15 years. Our products are recognized around the world for having the most intuitive graphical interface designs while still offering a powerful suite of tools to help you complete your projects fast.



waterloo hydrogeologic

A Schlumberger Company

Tel: +1 (519) 746-1798 | Fax: +1 (519) 885-5262 | E-mail: info@waterloohydrogeologic.com

Training Seminars

Waterloo Hydrogeologic, Inc. has been offering professional training seminars since 1989. During this time, we've earned a reputation for delivering innovative courses that combine state-of-the-art modeling technologies with practical applications.

Hands-On Learning!

Applied Groundwater Flow & Contaminant Transport Modeling:

Theory and Hands-on Applications using MODFLOW, MODPATH, MT3D & WinPEST

GIS Data Management for Groundwater Modelers:

Understanding Data Sources, Data Analysis and Visualization as Part of Model Development

Finite Element Groundwater Modeling:

Advanced Applications for Saturated/Unsaturated Flow & Transport, Density-Dependent Flow and Heat Transport

Regulatory Review of Hydrogeology Studies:

Approaches and Insights for Reviewing Groundwater Modeling Reports

Aquifer Test Analysis:

Principles of Pumping Test Design and Techniques for Aquifer Test Analysis

Water Quality Data Management & Interpretation:

Applications using AquaChem and USGS PHREEQC

Course Locations:

Canada • USA • Chile • Dubai
Brazil • Saudi Arabia • Turkey
Australia • Hungary

Register Today!

Conference Listing

Summary details of conferences with e-mail or web addresses are given below. For a fuller list of conferences and more details, including links to web sites visit www.iah.org/confs/

2006

May 10 - May 12 Redwood City, California, U.S.A. Vadose Zone Hydrology, Contamination & Modelling. Web: <http://www.grac.org/vadosereg.html>

May 14 - May 17 Manhattan, Kansas, U.S.A. Object oriented and vector-based approaches in ground water modeling and allied disciplines. Web: www.dce.ksu.edu/icaem/

May 23 - May 25 Marrakech , MOROCCO Integrated Water Resources Management and Challenges of the Sustainable Development. Web: <http://www.ucam.ac.ma/gire3d/>

May 26 - May 29 Baile Herculane , ROMANIA 4th International Conference "Climate Change: the Karst Record" (KR4). Web: <http://www.karst.ro>

May 30 - Jun 2 Ciudad Real, SPAIN III Int Symposium: Transboundary waters management overcoming waters management boundaries. Web: <http://www.uclm.es/congresos/twm>

May 30 - Jun 3 Dijon , FRANCE AIH Colloque Anniversaire/IAH Anniversary Conference. Web: <http://www.iah.org/News/2006/058.html>

Jun 4 - Jun 7 Granada , SPAIN Interfaces Against Pollution Conference. Web: <http://www.ugr.es/local/iap2006>

Jun 7 - Jun 8 Concord , California , U.S.A. Emerging Contaminants in Groundwater: A Continually Moving Target. Web: <http://www.grac.org>

Jun 12 - Jun 14 Toulouse, FRANCE International Groundwater Symposium on Groundwater Hydraulics in Complex Environments. Web: <http://www.iahr-gw2006.cict.fr/>

Jun 20 - Jun 24 Mexico City , MEXICO As2006: Natural Arsenic in Groundwaters of Latin America, Web: http://www.lwr.kth.se/Personal/personer/bhattacharya_prosu n/As-2006.htm

Jun 21 - Jun 23 Jugowice in Sowie Góry Mts , POLAND . Fourth Workshop of the Regional Working Group of the Bohemian Massif IAH Commission on Hardrock Hydrogeology. Web: www.zhs.ing.uni.wroc.pl/hardrock

Jun 22 - Jun 23 Vienna, AUSTRIA The European Groundwater Conference. Web: http://www.umweltbundesamt.at/en/umweltschutz/wasser/wasser_events/eu-grundwasser2006/

Sep 4 - Sep 10 Yogyakarta , INDONESIA Indonesia . Volcano: life prosperity and harmony. Web: <http://vig2006.recent.or.id/>

Sep 10 - Sep 15 Berlin , GERMANY International FEFLOW User Conference. Web: <http://feflow2006.feflow.de>

Sep 11 - Sep 14 Karlovy Vary (Carlsbad), CZECH REPUBLIC HydroEco 2006 Int Multidisciplinary Conference on Hydrology and Ecology: Web: <http://web.natur.cuni.cz/hydroeco2006/>

Sep 14 - Sep 17 Nottingham, UK 10th Congress of the International Association of Engineering Geology. Web: <http://www.iaeg2006.com>

Sep 21 - Sep 23 Neuchâtel , SWITZERLAND 8th Conference on Limestone Hydrogeology. Web: <http://www.hydrokarst.org/?lang=en>

Sep 24 - Sep 29 Cagliari – Chia Laguna , ITALY 1st. joint SWIM-SWICA meeting – Saltwater Intrusion. Web: <http://swimswica.ditunica.it>

Sep 25 - Sep 29 Asunción, PARAGUAY VIII Congreso Latinoamericano De Hidrologia Sub Terranea Y "Expo Agua 2006". Web: www.alhsud2006.com.py

Sep 26 - Sep 28 Bochum , GERMANY 3rd International Symposium on Integrated Water Resources Management. Web: <http://www.conventus.de/water>

Oct 1 - Oct 4 Vancouver, CANADA 7th Groundwater Specialty Conference "Sea to Sky" Web: www.seatoskygeo.ca

Oct 9 - Oct 11 Vienna, AUSTRIA. All about Karst and Water An international conference on decision making in a sensitive environment. Web: www.kater2006.at

Oct 9 - Oct 13 Beijing, CHINA Groundwater- present status and future task XXXIV Congress of IAH. Web: <http://www.iah34bj.com/English/index.html>

Oct 16 - Oct 18 Bangkok, THAILAND Wise Water Resources Management Towards Sustainable Growth and Poverty Reduction. Web: <http://www.thirdaphw.org>

Oct 24 - Oct 26 Barcelona , SPAIN Jornadas sobre las aguas subterráneas en la gestión integrada de los recursos hídricos. Web: <http://www.fcih.org>

Oct 25 - Oct 27 Rhodes , GREECE geoENV 2006 , Geostatistics for Environmental Applications. Web: <http://www.geoenvia.org/geoENV2006>

Nov 1 - Nov 3 Tripoli, LEBANON The 3rd International Conference on the Water Resources in the Mediterranean Basin, WATMED. Web: <http://www.watmed.com/>

Nov 14 - Nov 16 Brisbane , AUSTRALIA Multiple Values of Water - Water in Mining 2006. Web: <http://www.ausimm.com/waterinmining2006>

Dec 5 - Dec 8 Hyderabad, INDIA International Conference on Hydrology and Watershed Management. E-mail: cwr_jntu@yahoo.com

2007

Feb 24 - Feb 28 Cairo, EGYPT Second International Conference on Geo-Resources in The Middle East and North Africa. Web: <http://www.grmena.com.eg>

Feb 27 - Feb 28 Florida, USA 4th International Conference on Hydrogeology, Ecology, Monitoring and Management of Ground water in Karst Terranes Web: <http://www.ngwa.org>

Mar 12 - Mar 14 Lille , BELGIUM Conference on Water Status Monitoring under the European Water Framework Directive Date changed from April 2007

Apr 11 - Apr 13 Barcelona, SPAIN International Conference on Water Pollution in Natural Porous Media at Different Scales WAPO2. Web: www.proyectosH2O.upc.es/WAPO

Sep 17 - Sep 21 Lisbon , PORTUGAL Groundwater and Ecosystems 35th Congress of IAH. Web: <http://www.geo.ua.pt/aih-gp/iah2007>

Oct 28 - Nov 2 Phoenix, ARIZONA 6th International Symposium on Managed Aquifer Recharge - ISMAR6 Web: www.ismar2007.org

Nov 25 - Nov 29 Freemantle, WESTERN AUSTRALIA Groundwater Quality 2007. Web: <http://www.clw.csiro.au/conferences/GQ07/>

2008

Oct 26 - Nov 1 Toyama City, JAPAN 36th Congress of IAH