UNESCO Contribution to UNESCO / IHP VI
The Symposia provide a contribution to the implementation of the Groundwater Component of the IHP VI 2002-2007 Programme - Water Interaction Systems at Risks and Social Challenges

UNIVERSIDAD DE ALMERÍA

2th ANNOUNCEMENT

III INTERNATIONAL SYMPOSIUM ON TECHNOLOGY OF SEAWATER INTRUSION INTO COASTAL AQUIFERS

Almería
16th - 19th October 2007

www.ual.es/GruposInv/RecHid/
The congress will take place in Almería (Spain) from October 16 to 19, 2007. Sessions will be held in meeting rooms at the TRYP INDALO HOTEL.

The hotel is located on Mediterráneo Avenue, a main street in the city, only ten minutes from the old part of town. The beach is just three kilometers from the hotel. There is a bus stop right in front of the building. Almería airport is only eight kilometers away, a trip of just 10 minutes by car.

Almería faces the sea and is backed by mountains, providing it with warm winters and temperate summers. The population is currently around 200,000 inhabitants. Located on the bay of the same name, Almería is a luminous city whose origins go back thousands of years. The Alcazaba (an ancient fortress) presides over the city, offering an extraordinary view of the city and port from its walls. At the foot of the Alcazaba is the most typical neighbourhood of the city, La Chanca, with multi-coloured picturesque houses.
As the city of Almería faces the sea, the port is an integral part of the town and of its daily life. In the port itself, the old ore-loading wharf known as “El Cable” is of special interest. In the centre of town, the Cathedral was built as a fortress for protection against pirate attacks, so its main points of interest are inside the building.
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Rey D. Jaime 2006 Environmental Protection Award. Professor Emeritus of the Technical School of Mines (UPM)

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IGME President of CAS (Spanish Groundwater Club)

Antonio Pulido Bosch
Full Professor, University of Almería UAL. Past-President of CAS

Gerardo Ramos González
Research Professor. IGME

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University of Lisbon, PORTUGAL
TNO – Geological Survey of the Netherlands, HOLLAND
Geology and Mining Institute of Spain, SPAIN
University Roma I, ITALY
U.S. Geological Survey, UNITED STATES
Laboratory for Applied Geology and Hydrageology, BELGIUM
III INTERNATIONAL SYMPOSIUM ON THE TECHNOLOGY OF SEAWATER INCURSION IN COASTAL AQUIFERS (TIAC’07)
– Geophysical Techniques
– Mathematical Simulation Models
– Geochemical and Isotopic Studies
– Water Extraction and Aquifer Monitoring
– Recharge of Coastal Aquifers
– Recovery of Salinized Coastal Aquifers

II INTERNATIONAL SYMPOSIUM ON COASTAL AQUIFERS AND DESALINATION PLANTS
– Problems Associated with Water Extraction
– Monitoring of Exploitation

IMPORTANT DEADLINES
– Deadline for complete manuscript, after review by Scientific Committee: July 15, 2007
– Deadline for early registration: July 15, 2007

IV CARLOS RUIZ CELÁA AWARD
The National Association of Mining Engineers (Groundwater Specialty Group) announces the IV Carlos Ruiz Celáa Award for hydrogeology, awarded in accordance with the following regulations:

First

All works accepted by the Scientific Committee of TIAC’07 are eligible for this award.

Second

Particular attention will be paid to originality or innovation, technical and scientific aspects, applicability, and general interest.
Third

A single prize of 1200 € and a certificate will be awarded to the most deserving article based on a majority vote of the jury. An announcement will be made of the finalists on October 16, 2007 in Almería in the main congress hall of TIAC’07. The results of the jury and the presentation of the award will take place during the Gala dinner of TIAC’07 on October 18, 2007.

Fourth

The award cannot be declared vacant nor divided between two or more articles.

Official Languages

The official languages of the congress are Spanish and English (although presentations in French are also accepted). All the talks and sessions will have Spanish<>English simultaneous interpretation.

Registration

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee</th>
</tr>
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<tbody>
<tr>
<td>Normal fee</td>
<td>400 €</td>
</tr>
<tr>
<td>Early fee (before 15th July)</td>
<td>350 €</td>
</tr>
<tr>
<td>Authors of accepted papers (one per paper)</td>
<td>300 €</td>
</tr>
<tr>
<td>Students and Accompanying Persons</td>
<td>100 €</td>
</tr>
</tbody>
</table>

These rates include attendance at the work sessions, reception ceremonies, coffee-breaks and the Symposium Dinner. The pre-event excursion is not included: the cost is 250 euros, including transport, meals and one night in a hotel in Almuñecar.

Registration payment should be made by bank transfer to “Club del Agua Subterránea” with a reference made to TIAC; don’t forget to indicate your name. The account is: CAJAMAR n° 3058 01 30 12 2720008171.
Viajes Alcazaba travel agency is in charge of hotel reservations. They can be reached by telephone at +950-621077, by fax at +950-621313, or by e-mail viajesalcazaba@viajesalcazaba.com

Standards for are specified on the website at www.ual.es/GruposInv/RecHid/

The deadline for reception of completed works, after revision, is June 15, 2007. Submissions must be made on CD-ROM and a black and white hard copy in accordance with the norms to the following address:

Gerardo Ramos, IGME
Ríos Rosas 23
E-28003 MADRID

TUESDAY, OCTOBER 16

08:00h-09:30h Inscription and documentation collection
10:00h-11:00h Open Ceremony and Inaugural Conference by Prof. J. Bear
   “Sea water intrusion in coastal aquifers”
11:00h-11:30h Coffee break
11:30h-14:00h Oral presentations
16:00h-16:45h Dr. M. Goldman
   “Application of deep regional geoelectromagnetic soundings for delineating saline groundwater in the Judea Desert and the Arava Rift Valley aquifers in Israel”
16:45h-18:00h Oral presentations
18:00h-20:30h First Round Table

WEDNESDAY, OCTOBER 17

09:00h-09:45h Keynote by Dr. L. Araguás
   “Isotope Studies in Coastal Aquifers”
09:45h-10:45h Oral presentations
10:45h-11:15h Coffee break
11:15h-14:00h Oral presentations
16:00h-16:45h Keynote by Dr. T. Rodríguez Estrella
“The Exploitation of Coastal Aquifers for Supplying Desalination Plants”
16:45h-18:00h Oral presentations
18:00h-20:30h Second Round Table

THURSDAY, OCTOBER 18

09:00h-17:00h Fieldtrip. Responsible person: Francisco Sánchez Martos. Visits to Desalination plants of Almería (Andarax delta) and Ramblamaroles
19:00h-20:30h Annual Meeting of the Spanish Work Group of Project 513 (GTE-513) of the UNESCO International Geoscience Programme on “Karst Aquifers and Water Resources”
21:00h-23:30h Ceremony for the Presentation of the CARLOS RUIZ CELÁA Award. Gala Dinner

FRIDAY, OCTOBER 19

09:00h-09:45h Keynote by Prof. M. Sherif “Artificial Recharge of Coastal Aquifers”
09:45h-10:45h Oral presentations
10:45h-11:15h Coffee Break
11:15h-13:00h Oral presentations
13:00h-14:00h Keynote by Dr. G. Oude Essink “Assessing the salinisation in the delta of Zeeland due to climate change and sea level rise: monitoring and modelling: Southern Netherlands”. Closing Ceremony

There will be an accompanying programme that includes trips to monuments and other sights in the city and to the old movie studio installations where many classic motion pictures were filmed.
FIELD TRIP TO THE AQUIFERS ON THE EASTERN COAST OF ANDALUSIA BETWEEN MÁLAGA AND ALMERÍA. Coordinator: Juan Carlos Rubio Campos (IGME, Granada)

SUNDAY OCTOBER 14, 2007

9:00h  Leave Málaga

09:30h-11:30h  Visit Río Vélez coastal detrital aquifer (Málaga, Spain)

Organizers:
García Aróstegui, J. L. IGME
Benavente Herrera, J. Univ. Granada

The field trip will address such questions as alterations to the hydrological regime due to the construction of the Viñuela Dam on the Vélez River aquifer, management practices foreseen regarding surface and groundwaters, and the re-use of urban wastewater. Additional topics include steps to improve knowledge of the aquifer and joint management of water resources, processes of seawater intrusion-extrusion, and the use of aquifer resources in combination with the Viñuela Dam and urban wastewater re-use.

12:00h-14:00h  Trip to the coastal aquifers of Nerja, Cantarriján, Cerro Gordo, and Punta de la Mona (Málaga-Granada)

Organizers:
Andreo, B. Univ. Málaga
Carrasco, F. Univ. Málaga
Liñan, C. Univ. Málaga
Pérez, I. Univ. Málaga

The fieldtrip will consider the aquifers, their relationship with the Sierra de Almijara, and hidden outlets to the sea.

14:30h-16:00h  Lunch in La Herradura (Granada)

16:30h-18:30h  Trip to the coastal aquifer of Almuñecar

Organizer:
Benavente Herrera, J. Univ. Granada.

This trip will examine the Almuñecar aquifer and the problems of sea-water incursion, which are seasonal due to extensive summer pumping.
Almuñécar (Granada)

MONDAY, OCTOBER 15, 2007

9:30h Leave Almuñécar

10:00h-12:30h Trip to the coastal aquifer of Motril-Salobreña

Organizers:
Calvache Quesada, Mª L. Univ. Granada
Rubio Campos, JC. IGME
Martín Rosales, W. Univ. Granada
González Ramón, A. IGME
López Chicano. Univ. Granada

The trip will examine the coastal aquifer of Motril-Salobreña and the possible influence on the aquifer of the recent construction of the Rules Dam in altering recharge by surface runoff and by irrigation return flow.

13:00h-15:00h Trip to the coastal aquifer of Calahonda and to the alluvial aquifer of Castell de Ferro

Organizers:
Pulido Bosch, A. Univ. Almería
Rubio Campos, JC. IGME
Calvache Quesada, Mª L. Univ. Granada
Calaforra Chordi, JM Univ. Almería
González Ramón, A. IGME

The fieldtrip will include a discussion on hydrogeological behaviour of the carbonate rocks in the Aguila and La Rijana hills and of the problems regarding seawater intrusion in the Castell aquifer.

15:00h-16:30h Lunch in Calahonda (Granada)

17:00h-18:00h Trip to the Albuñol aquifer

Organizers:
González Ramón, A. IGME
Luque Espinar, JA. IGME

This trip examines the tectonic window in Albuñol and the detrital aquifer directly related to the aquifer.

19:00h Arrival to Almería
BOLETIN DE INSCRIPCIÓN PRELIMINAR

TIAC’07

Apellidos ____________________________________________ Nombre ____________________________________________ Empresa ____________________________________________

Cargo ____________________________________________ Domicilio ____________________________________________ Población ____________________________________________

Código Postal ____________________________________________ País ____________________________________________ Teléfono ____________________________________________

Fax ____________________________________________ E-mail ____________________________________________

Asistencia a las jornadas □  COMUNICACIÓN □

Autores ____________________________________________ Título ____________________________________________

Excursión □ ____________________________________________

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II INTERNATIONAL SYMPOSIUM ON COASTAL AQUIFERS AND DESALINATION PLANTS