1st SWIM-SWICA

19th Salt Water Intrusion Meeting
3rd Salt Water Intrusion in Coastal Aquifers

http://swimswica.ditunica.it

1st Circular

Cagliari - Chia Laguna, Italy
September 24-29, 2006
Main Organizer:
University of Cagliari
Department of Territorial Engineering
Piazza d'Armi, 09123 - Cagliari, Italy

Sponsored by:
UNESCO - IHP (International Hydrological Programme)

In collaboration with:
International Association of Hydrogeologists
International Atomic Energy Agency - Water Resource Programme
IRSA - CNR (Water Research Institute)
CGSI - IAPSO (Commission on Groundwater-Seawater Interactions)

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Information about travel and accommodation, paper format, on-line registration and payment, as well as general information can be found in the conference website (http://swimswica.ditunica.it).
Objectives

SWIM (Salt Water Intrusion Meeting) and SWICA (Salt Water Intrusion in Coastal Aquifers) are non-fee paying organizations that bring together researchers in hydrogeology, hydrochemistry, geophysics, and groundwater hydraulics and modelling, who meet regularly every two years. The organizations do not have rules or bylaws and decide at every meeting who will be responsible for organizing the next conference. The Salt Water Intrusion Meeting (SWIM), now into its 38th year, has been held in different European countries on a biennial basis since 1968. It attracts a growing number and diversity of participants interested in various aspects of seawater intrusion processes and problems. The 1st SWICA (Salt Water Intrusion in Coastal Aquifers) meeting, held in Essaouira (Morocco) in 2001, gathered together researchers from Africa, Europe Asia and America, and was followed by a second event in Merida, Mexico, in 2003. Both, SWIM and SWICA meetings have been very successful in bringing together academics, practitioners and students, all involved in saline groundwater issues. During the 18th Salt Water Intrusion Meeting held in 2004 at Cartagena in Spain, participants agreed to hold a first joint conference in Cagliari, Italy, in 2006.

Main topics

1. Coastal aquifer system hydrodynamics (theoretical and numerical aspects)
2. Variable-density flow
3. Near-shore processes (tidal and wave effects)
4. Island and Atoll Hydrogeology
5. Submarine discharge
6. Experimental methods to characterize salt and brackish waters origin and dynamics (isotopes; hydrochemistry; geophysics;…)
7. Monitoring: surveying methods and new instrumentation
8. Numerical modelling (general methods and solution of real cases)
9. GIS-modelling
10. Optimization
11. Past and future climate change and its impact on coastal aquifer systems
12. Management of coastal aquifers: salinization prevention, control and remediation
13. Site characterization and selected case studies (deltaic, karst and hard rock aquifers)
14. Past and future climate change and its impact on coastal aquifer systems
15. Management of coastal aquifers: salinization prevention, control and remediation
16. Site characterization and selected case studies (deltaic, karst and hard rock aquifers).

Travel information

The Le Meridien Chia Laguna hotel (http://chialaguna.lemeridien.com) is situated in one of the most magnificent coastal spots in Sardinia, near the village of Domus de Maria about 45 km west of Cagliari. Set into the rocky hillside, overlooking the bay, the resort offers wonderful views across the coastal lagoon, sand dunes to the sea and rocky promontories. Transfers from Cagliari Elmas airport to the Chia Laguna and viceversa will be arranged for scheduled flights on the arrival and departure days. Updated information on travel and accommodation and general information can be found in the conference website (http://swimswica.ditunica.it).

Registration Fees

Conference registration: 400 €
Students: 240 €
Field trip: 70 €
Pre-conference course: to be defined
Accompanying persons: 200 €
The conference registration fee includes: access to technical sessions, abstracts, coffee breaks, welcome reception on September 24, lunches on September 25, 26, 28 and 29 as well as conference dinner on September 28. The price of the field trip on September 27 includes transport, copy of the field trip handout and lunch.

Deadlines

2005-12-15 Closing date for abstract submission.
2005-12-30 Mailing of 2nd Circular to pre-registered participants.
2006-03-15 Notification of abstract acceptance.
2006-09-20 Closing date for payment
2006-09-29/24 Conference and paper submission.

Abstracts and Publication

Extended abstracts (300-400 words in English) should be submitted by December 15, 2005. Accepted abstracts will be distributed to participants at the conference. Full papers should be submitted before or during the conference.

Papers presented at the conference will be peer reviewed and those accepted and revised in accordance with reviewers’ comments will be published. Papers should be no longer than 12 pages including tables and figures (approximately 6000 words).

Venue

The 1st SWIM-SWICA (19th Salt Water Intrusion Meeting – 3rd Salt Water Intrusion in Coastal Aquifers Conference) will be held at the hotel Le Meridien Chia Laguna, on the SW coast of Sardinia in Italy, from September 24th to September 29th, 2006.

http://swimswica.ditunica.it
Pre-registration form

Participants are kindly invited to register on line, by completing in the attached pre-registration form. The web page will be constantly updated. Those wishing to receive the 2nd Circular with forms and organisation details, should fill in the pre-registration form and e-mail it to confdit@gmail.com.

Course on Modelling Saltwater Intrusion

A three-day pre-conference course on Practical Modelling of Saltwater Intrusion is scheduled immediately before the meeting, from September 20 (Wednesday) to 22 (Friday). It may be extended to Saturday 23, depending on practical arrangements and demand.
The course teacher and coordinator is Dr. Clifford I. Voss (USGS) and he will be assisted by other specialists. The course will comprise both lectures and hands-on computer exercises on conceptual and practical aspects of variable-density flow modelling. (See summary and schedule in the conference web site).

A minimum of ten participants is required. Those interested are kindly requested to apply preferably on-line, through the Conference web site or alternatively by post, using the attached form, or by e-mail to confdit@gmail.com before December 31, 2005.

Conference Organizers

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