

IAH NETWORK ON COASTAL AQUIFER DYNAMICS AND COASTAL ZONE MANAGEMENT (CAD-CZM)

The network aims at promoting the development of tools for gaining a better understanding of the specific hydrological process dynamics in coastal areas and improving the assessment, development and management of water resources endangered by saltwater intrusion.

The network was proposed on March 30, 2011 and started on July 1st to continue the activities of the IAH CAD-CZM commission so as to respond to the interest expressed in the recommendations issued on different occasions by UNESCO and IAEA for studying coastal areas in the frame of joint programmes in cooperation with other international agencies.

Special emphasis is placed on education, specifically the organization of teaching and training activities, and promoting greater and closer international cooperation in order to accelerate progress and train qualified practitioners for optimizing action especially in developing countries.

Programme

The programme aims at defining the characteristic hydrogeological processes affecting the interface between fresh, brackish and sea waters, and developing investigation and remediation methodologies and management strategies related to coastal aquifers.

UNESCO, Division of Water Sciences, approved the initiative and offered to collaborate. In fact, it was ascertained that the documentation available on coastal areas at UNESCO's is to be updated.

Organization

The network is organised and run by a Director and two Co-Directors as follows:

Director / Chair: Giovanni BARROCU

Co-Directors/ Co-Chair s: Yossi Yechieli and Christian Langevin

The network may operate in regional working groups.

Cooperations

Cross-coordination with other commissions will be established as foreseen in the original CAD-CZM Commission programme. The network will cooperate with the following IAH commissions:

- Commission on Hydrogeological Maps
- Commission on Hydrogeology of Karst
- Commission on Hydrogeology of Hard Rocks

In fact, a number of coastal aquifers endangered by saltwater intrusion are in karst and hard rocks.

Cross-coordination with other commissions will be developed by exchanging information by E-mail contacts, meetings at workshops, conferences, cooperating in specific programmes, and preparing publications.

Open meetings will be held during national and international IAH conferences and SWIMs (Salt Water Intrusion Meetings).

Activities

The development of a data base on all main world coastal aquifers affected by salt water intrusion is in progress. An effort will be made to organize regular conferences via internet with different regional groups so as to define local problems. National chapters will be invited to propose their representatives in the commission.

Commission activities will be published in IAH eNews.

IAH Members are warmly invited to participate in the work of the CAD-CZM Commission and propose future activities

November 17, 2011

Report submitted by

Giovanni BARROCU,

Chairman of the IAH CAD-CZM Network

