

# CONGRESS ON GROUNDWATER AND GLOBAL CHANGE IN THE WESTERN MEDITERRANEAN



GWM-CHANGE

## FIRST CIRCULAR

6<sup>th</sup>-9<sup>th</sup>  
November 2017  
Granada, Spain

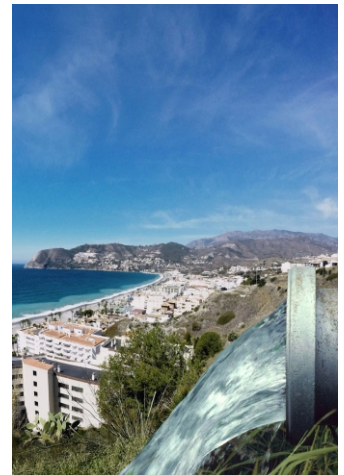


### CONGRESS PURPOSE

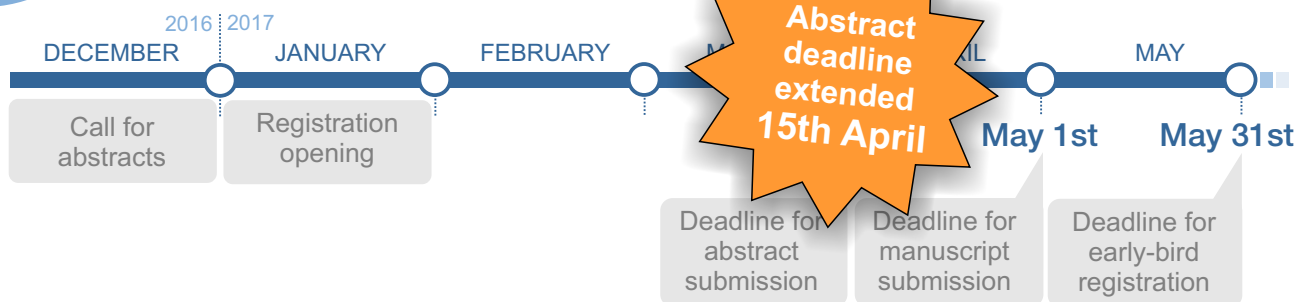
Major drivers of global change include population growth and migration, climate change, urbanization and expansion of infrastructures, and changes in land use and pollution. Western Mediterranean countries of both southern Europe and North Africa are expected to experience impacts on the sustainability, quantity, quality, and management of water resources.

Future scenarios in this region forecast the decline in streamflow reducing reservoir storage for population supply. In this context, groundwater becomes an increasingly strategic resource to meet water demand from irrigated and urban areas. Particularly, coastal areas are threatened by the increasing stress during summer and drought periods causing groundwater depletion and saline water intrusion.

Dealing with this situation makes necessary to address regional needs through global coordination, so the IAH and IHP-UNESCO recommend facilitating the country/regional groundwater assessment and exchange of information via seminars, workshops and conferences, like the one that is presented here. These aspects are in connection with the Declaration on Groundwater in the Mediterranean (Malaga-Marrakech, 2006), and consequently IAH National Chapters from Western Mediterranean countries organize this congress on Groundwater and Global Change.



### KEY DATES



Universidad  
de Granada



Instituto Geológico  
y Minero de España



AYUNTAMIENTO DE GRANADA



CONFEDERACIÓN  
HIDROGRÁFICA  
DEL GUADALQUIVIR



[www.aih-ge.org](http://www.aih-ge.org)

More information: [gwmchange@ugr.es](mailto:gwmchange@ugr.es)



## REGISTRATION FEES

	Early (before 31st May)	Standard (after 31st May)
IAH members and others*	200	300
Non IAH members	400	500
Students, IAH members	100	150
Students, non IAH members	150	250

\* Associations that have agreement with IAH.



## CONGRESS ACTIVITIES

- ✓ Plenary sessions with keynote lectures
- ✓ Technical sessions
- ✓ Poster sessions
- ✓ Technical field trip
- ✓ Special session in honor to Professor Antonio Pulido-Bosch
- ✓ Social events



## ORGANIZING COMMITTEE

**María Luisa Calvache**

*Congress Chair*

**Antonio Chambel**

*President of IAH*

**Marco Petitta**

*Vice President - Europe (West & Central)*

**Bartolomé Andreo**

*President of Spanish IAH Chapter*

**Ammar Maoui**

*Head of the Algerian Group*

**Michel Bakalowicz**

*President of French IAH Chapter*

**Daniela Ducci**

*President of Italian Chapter*

**Bouabid El Mansouri**

*President of Moroccan IAH Chapter*

**Raquel Sousa**

*President of Portuguese IAH Chapter*

**Faten Jarraya Horriche**

*President of Tunisian IAH Chapter*



## MANAGEMENT COMMITTEE

**José Benavente** - University of Granada

**María Luisa Calvache** - University of Granada

**Fernando Delgado** - University of Granada

**Carlos Duque** - University of Delaware, USA

**Juan José Durán** - Spanish Geological Survey

**Francisco Javier García** - Provincial Government of Granada

**Antonio González-Ramón** - Spanish Geological Survey

**Manuel López-Chicano** - University of Granada

**Manuel López-Rodríguez** - Regional Gov. - Junta Andalucía

**Sergio Martos** - Spanish Geological Survey

**Joaquín Navarro** - Guadalquivir Basin Authority

**David Pulido** - Spanish Geological Survey

**Delegate of Granada Town Hall / Water Supply S.**



## PROCEEDINGS

All accepted abstracts will be published as an electronic book of proceedings with ISBN. In addition, a special issue with a selection of the manuscripts will be published in one international journal.



## SOCIAL EVENTS

Several social events are planned: a nocturnal visit to the Alhambra, a conference dinner, poster sessions with refreshments and a technical field trip. Details will be specified in the next circulars.



## SCIENTIFIC TOPICS

- ✓ Impact of growing population and land use change on groundwater resources and wetlands.
- ✓ Monitoring and modelling approaches for evaluating changes in groundwater quality, storage and fluxes.
- ✓ Groundwater and climate change.
- ✓ Protection and sustainable use of groundwater quantity and quality.
- ✓ Water management challenges and case studies in Mediterranean coastal aquifers.
- ✓ Technical and innovative solutions and groundwater management for adaptation to climate change



## ABSTRACT SUBMISSION

Abstracts submission (maximum 2000 characters) to [gwmedchange@ugr.es](mailto:gwmedchange@ugr.es)



## OFFICIAL LANGUAGES



The official languages of the Congress are English, Spanish and French. No simultaneous translation will be provided by the organization.