

# Fourth International Conference on Biohydrology, 2016



**4<sup>th</sup> Biohydrology  
Conference 2016**  
Walking on drylands  
Almería, 13 - 16 September

## ORGANIZING INSTITUTIONS

- **Arid Zones Experimental Station (EEZA)**, Spanish National Research Council (CSIC), Almería, Spain.
- **University of Almeria**, Almería, Spain.
- **Institute of Hydrology**, Slovak Academy of Sciences (SAS), Bratislava, Slovakia.

BioHydrology 2016 is the fourth international conference on biohydrology, after those of Prague (2006), Bratislava (2009) and Landau (2013). The 4<sup>th</sup> Biohydrology conference will be held at the campus of the University of Almería, in lecture theatres from EEZA-CSIC and the University. Almería is located in the southeast corner of the Iberian peninsula, the driest area in Europe, and offers magnificent semiarid landscapes, like Cabo de Gata-Nijar on the coast or the so-called Tabernas Desert about 20 km from the city center. A well-preserved Arabic fortress (Alcazaba) and other monuments are also interesting attractions, not to speak about “tapas” (snacks), which

are also part of the city’s cultural heritage.

As with the previous conferences, the aim of by BioHydrology 2016 ([www.biohydrology2016.es](http://www.biohydrology2016.es)) is to provide a forum to discuss any question related to the interactions between biotic systems and hydrology. Such interactions can be simple, bidirectional or complex, including feedbacks, and occurring at any spatial or temporal scale. The conference is addressed to experts from ecology, hydrology, geography, soil science, environmental sciences, biology, geomorphology, forestry and related fields, but any expert focusing on these issues is welcome and interdisciplinary contributions are encouraged.

Contact with the organisers: [biohydrology2016.org@eeza.csic.es](mailto:biohydrology2016.org@eeza.csic.es)

## ESSENTIAL DEADLINES

- **15/06/2016:** Abstract due to be included in the Conference Proceedings book.
- **15/06/2016:** Registration and payment for the post-conference tour to Granada.
- **30/06/2016:** Registration regular fee (after this date, the fee will be 270 € for both professionals and students).
- **30/06/2016:** Registrations for the mid-conference excursion and the conference dinner.

## NEWS!

This second announcement updates the information provided in the first one distributed last December: Prof Rainer Horn has been included as a new plenary speaker and there have been changes in keynote speakers. The payment system has been simplified and improved. New information on the hotels is included here and in the website. New information on field visits, post conference excursion and the conference dinner is included, as well as on sponsors, grants to attend and a prize for the best communication. The website has been updated accordingly. Please, let us know the sooner the better the activities in which you are interested.

## PLENARY SPEAKERS

**Rainer Horn Christian** Albrechts University of Kiel, Germany.

**Esteban Jobbagy**, Universidad Nacional de San Luis, Argentina.

**Keith R.J. Smettem**, University of Western Australia, Crawley, Australia.

**Tammo S. Steenhuis**, Cornell University, Ithaca, NY, USA.

**Fernando T. Maestre**, Univ. Rey Juan Carlos, Móstoles, Madrid, Spain.



### 1 WATER-LIMITED CONDITIONS AND BIOHYDROLOGY.

#### Conveners

**Yolanda Cantón**, University of Almería, Almería, Spain.

**Esteban Jobbagy**, National University of San Luis, Argentina.

**Giora J. Kidron**, Hebrew University of Jerusalem, Israel.

**Francisco Domingo**, Arid Zones Experimental Station CSIC, Almería, Spain.

#### Keynote speakers

**Bradford Wilcox**, Texas A&M University, College Station, TX, USA.

**Xiao-Yan Li**, Beijing Normal University, Beijing, China.

**Cristina Armas Kulik**, EEZA CSIC, Almería, Spain.

**Susana Bautista**, University of Alicante, Alicante, Spain.

### 2 BIOHYDROLOGY IN LAND DEGRADATION AND RESTORATION.

#### Conveners

**Albert Solé-Benet**, EEZA-CSIC, Almería, Spain.

**Elisabeth Huber-Sannwald**, IPICYT, San Luis Potosi, Mexico.

**Mariano Moreno de las Heras**, Institute of Environmental Assessment & Water Research CSIC, Barcelona, Spain.

**Alexia Stokes**, INRA-EFPA-UMR-AMAP, Montpellier Cedex 5, France.

#### Keynote speakers

**Rony Wallach**, Hebrew Univ. of Jerusalem, Rehovot, Israel.

**Juan Puigdefábregas**, EEZA-CSIC, Almería, Spain.

**Jan Frouz Charles**, University, Prague, Czech Republic.

**Cathelijne Stoof**, Wageningen University, The Netherlands.

### 3 HYDROLOGICAL EFFECTS OF PLANT-SOIL COMPLEX FROM PATCH TO LANDSCAPE.

#### Conveners

**Lubomir Lichner**, Institute of Hydrology SAS, Bratislava, Slovakia.

**Erik L.H. Cammeraat**, Univ. of Amsterdam, The Netherlands.

**Andrea Carminati**, Georg-August-University of Göttingen, Göttingen, Germany.

**Artemi Cerdà**, University of Valencia, Valencia, Spain.

#### Keynote speakers

**Mathieu Javaux**, Forschungszentrum Jülich IBG-3, Jülich, Germany.

**Saskia Keesstra**, Wageningen University, Wageningen, The Netherlands.

**Radka Kodešová**, Czech University of Life Sciences, Prague, Czech Republic.

**Stanley J. Kostka**, Aquatrols, Paulsboro, NJ, USA.



## 4 THE IMPACT OF FOREST FIRES ON HYDROLOGY

### Conveners

**Jorge Mataix-Solera**, Miguel Hernández University, Elche, Alicante, Spain.

**Matthias Boer**, Western Sydney Univ., Richmond, Australia.

**Saskia Keesstra**, Wageningen University, The Netherlands

**Paulo Pereira**, Mykolas Romeris University, Vilnius, Lithuania.

### Keynote speakers

**Antonio Jordán**, University of Seville, Seville, Spain.

**Patrick Lane**, Univ. of Melbourne, Melbourne, Australia.

**Peter R. Robichaud**, USDA, Rocky Mountains Research Station, Moscow, ID, USA.



## 5 ROLE OF BIOGEOCHEMICAL INTERFACES IN BIOHYDROLOGY

### Conveners

**Gabriele E. Schaumann**, University of Koblenz-Landau, Landau, Germany.

**Jörg Bachmann**, Leibniz University of Hannover, Hannover, Germany.

### Keynote speakers

**Horst H. Gerke**, Leibniz-Centre for Agricultural Landscape Research, Müncheberg, Germany.

**Thilo Eickhorst**, University of Bremen, Bremen, Germany.

**Marcus A. Horn**, University of Bayreuth, Bayreuth, Germany.

**Nick Jarvis**, Swedish University of Agricultural Sciences, Uppsala, Sweden.

## REGISTRATION AND PAYMENT

We have updated the conference website ([www.biohydrology2016.es](http://www.biohydrology2016.es)). The registration procedures are now easier and more fluid. To start with the registration, please click the "Register" button, which is found in the upper right corner of the tab "Home" of the website. After selecting the fee (student or senior) and the number of people to be registered, go to the next display and fill the form. Then, a display to declare interest in attending each excursion and/or the conference dinner appears. The cost of every activity is indicated along with a descriptive text. After selecting the activities, the system asks whether you want leave, delaying the payment while keeping you registered, or if you want continue, you'll go to payment. The system sums the costs of the selected activities with the applicable registration fee and shows the total to be paid.

A certificate stating the cost of the all items (registration fee in every case, the conference dinner and a post-conference excursion) is now in the conference website, within the 'More' tab. You can download it to facilitate the payment to your institution.

All the payments must be done by bank transfer. The necessary data are:

**Bank name:** Cajamar.

**Address of the bank and the beneficiary:**

University Campus.

Ctra. Sacramento s/n La Cañada de San Urbano. 04120 Almería

**IBAN:** ES86 3058 0130 1627 3100 1008

**SWIFT:** CCRIES2AXXX

**Beneficiary:** University of Almería.

**VAT number of the beneficiary:** Q5450008G

These data are already included in the website and are displayed during the on-line payment process. For each registration, a different alphanumeric code named "Transfer reason" is displayed; this code must be written in the field for message/ issue/ matter of the bank transfer.

A form requesting some information is available to get an invoice.

Remember that, later than 30/06/2016, the registration fee increases up 270 €, for both students and professionals.

## MID-CONFERENCE FIELD TRIP

Biohydrology 2016 offers a mid-conference field trip including the visit to different experimental areas and typical field sites in the semiarid surroundings of Almeria. This excursion is free for the participants, lunch included. Nevertheless, we need to know the number of interested people before the 01/07/2016. The most probable date for this field trip is 15/09/2016.

## CONFERENCE DINNER

Biohydrology 2016 will organize a conference dinner. We expect it takes place at the city centre, near the hotels. It would cost 35 € per attendant. It can be paid together with the registration or at the registration desk in Almeria. However, for organizational reasons, we need knowing the number of interested people prior the 01/07/2016.

## ACCOMMODATION

The information on the hotels in the 'accommodation' tab of the conference website is completed now, to facilitate everyone book his/her room by itself:

### Hotel Costasol

Phone: +34 950 23 40 11 // [www.hotelcostasol.com](http://www.hotelcostasol.com) // email: [direccion@hotelcostasol.com](mailto:direccion@hotelcostasol.com).

The website of this hotel often cannot runs in foreign languages using Internet Explorer, but the problems disappear using Google Chrome.

### Hotel Nuevo Torreluz

Phone: +34 950 23 43 99 // [www.torreluz.com](http://www.torreluz.com) // email: [torreluz@torreluz.com](mailto:torreluz@torreluz.com).

The website of this hotel runs better using Google Chrome as well

### Hotel AC Marriott

Phone: +34 950 23 49 99 // [www.espanol.marriott.com/hotels/travel/leial-ac-hotel-almeria/](http://www.espanol.marriott.com/hotels/travel/leial-ac-hotel-almeria/) // email: [direc.acalmeria@ac-hotels.com](mailto:direc.acalmeria@ac-hotels.com).

In the hotel websites, click on a flag (it is not matter which flag) to change the language and then select your preferred language in the pop-up menu.

During the booking process, please write 'biohydrology 2016' as matter, subject or message to get the offered prizes.

## POST-CONFERENCE FIELD TRIP

We are also working in the organization of a post-conference one-day excursion to Granada, Saturday 17<sup>th</sup> September 2016, for participants and accompanying guests. This excursion would include a guided visit to the Alhambra monumental complex ([www.alhambra.org/](http://www.alhambra.org/)) a lunch in a typical restaurant, as well as a guided visit to Granada city. Buses will leave from and return to the center of Almeria, not far from the offered hotels. The indicative cost of this tour could be 65 €. We must know as soon as possible the number of people interested in attending, in any case before the 15/06/2016, because the Alhambra requires booking with anticipation. Also due to organizational reasons, the payment of this trip must be done in advance, the deadline being also the 15/06/2016.

## GRANTS FOR STUDENTS

The Spanish Society of Terrestrial Ecology (AEET; [www.aeet.org/](http://www.aeet.org/)) sponsors three scholarships of 170 € each to cover the registration fee of three attendant students and members of that Society. The organizers will select the three best abstracts from the students considering by default that all student members of the AEET apply for these grant. When the abstracts have similar quality, the earlier registration will be preferred. All students interested in attending the conference must pay the registration fee though the winners will be reimbursed.

## PRIZE FOR THE BEST ORAL COMMUNICATION IN APPLIED BIOHYDROLOGY AND WATER RESOURCES

FutureWater ([www.futurewater.es](http://www.futurewater.es)) will award the best oral communication presented by a young scientist from the point of view of its relevance for water resources management and planning. The winner will be selected by members of the scientific committee and researchers from FutureWater.



**4<sup>th</sup> Biohydrology**  
Conference 2016  
*Walking on drylands*  
Almería, 13 - 16 September

**For more information please visit**

[www.biohydrology2016.es](http://www.biohydrology2016.es)

**Contact with the organisers:**

[biohydrology2016.org@eeza.csic.es](mailto:biohydrology2016.org@eeza.csic.es)



UNIVERSIDAD DE ALMERÍA



ÚSTAV HYDROLÓGIE SAV  
INSTITUTE OF HYDROLOGY  
Slovak Academy of Sciences