



Department of Chemical and Geological Sciences  
University of Cagliari

**Cagliari, June 14-16, 2017**  
**Sala Convegni Fondazione di Sardegna**  
**Via San Salvatore da Horta, 2 - Cagliari**



2<sup>nd</sup> Announcement

The Italian Chapter of the International Association of Hydrogeologists (IAH) is pleased to invite you to the 3<sup>rd</sup> Edition of FLOWPATH, the National Meeting on Hydrogeology. The conference will be held at the University of Cagliari, in June 2017, from Wednesday 14 to Friday 16. According to the aim of the previous Editions of FLOWPATH (Bologna, 2012 and Viterbo, 2014), the conference will be an opportunity for Italian hydrogeologists to exchange ideas and knowledge on different groundwater issues.

The IAH Italian Chapter is committed to ensuring the continuation of this debate within the scientific and professional community, giving priority to proposals and ideas of young hydrogeologists. During the meeting, the 3<sup>rd</sup> Zuppi award for the best PhD thesis on hydrogeological issues will be assigned

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The third edition of Flowpath received 80 abstracts; all these abstracts underwent a rigorous peer review process by the members of the Scientific Committee and were assigned to oral or poster presentation:

- Session 1: 9 oral 18 Posters
- Session 2: 8 Oral 10 posters
- Session 3: 10 Oral 13 Posters
- Session 4: 7 Oral 5 Posters

Each session will start with the Key note lecture, held by international experts.

### Final program

#### Wednesday, June 14, 2017

8:30-9:00 Registration

9.00-9.30 Opening Session

#### Session 1- Groundwater quality protection - Conveners: S. Da Pelo, D. Ducci, M. D. Fidelibus

09:30 - 09:55 Key note lecture: Rosa Cidu (University of Cagliari) – *Geochemical background values in aquatic systems*

09:55 - 10:55 4 Oral presentations

10:55 - 11:25 Coffee break

11:25 - 12:40 5 Oral presentations

12:40 - 14:15 Poster Lunch

#### Session 2 – Hydrogeology of fractured rocks and karst aquifers- Conveners : M. Petitta, M. Pola, B. Vigna

14:15 - 14:40 Key note lecture: Robert Wyns (BRGM Orléans) - *Origin of fracturing in hard-rock aquifers: what are the factors controlling the properties of the fractured layer?*

14:40 - 15:40 4 Oral presentations

15:40 - 16:10 Coffee break

16:10 - 17:15 4 Oral presentations

17:15 - 18:15 Poster Session

18:15 - 19:15 IAH Italian Chapter General Assembly

21:00 Conference dinner – During the dinner, the 3rd Zuppi award for the best PhD thesis on hydrogeological issues will be assigned

#### Thursday, June 15, 2017

#### Session 3- Groundwater flow and transport modelling- Conveners : F. Lotti, M. Mastrocicco, G. Uras

09:00 - 09:25 Key note lecture: Albert Soler Gil (University of Barcelona) - *Nitrogen and oxygen isotopes of dissolved nitrate to evaluate the efficiency of induced groundwater denitrification at field-scale.*

09:25 - 10:40 5 Oral presentations

10:40 - 11:10 Coffee break

11:10 - 12:20 5 Oral presentations

12:20 - 14:00 Poster Lunch

#### Session 4- Groundwater management in arid and semi-arid region (dedicated to Prof. Zuppi)

Conveners : G. Ghiglieri , M. Polemio, R. Rossetto

14:00 - 14:25 Key note lecture: Viviana Re (University of Pavia) - *Groundwater management in arid and semi-arid regions: challenges and opportunities*

14:25 - 14:40 Winner of 3rd Zuppi Award

14:40 - 15:25 3 Oral presentations

15:25 - 16:00 Coffee break

16:00 - 17:00 4 Oral presentations

17:00 - 18:00 Poster Session

18:00 - 19:00 ECHN event: *Hydrogeology in Urban areas: Challenges and Opportunities*

#### Friday, June 16, 2017

09:00-16:00 Field trip: Former mining sites of Porto Flavia and Nebida coast. Here you can look at the peculiar port, suspended between the sea and the sky, on a rock face rocks; buffet lunch at the Tonnara of Portoscuso.

Detailed Sessions Program at  
<http://convegni.unica.it/flowpath2017/programme/>

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## Instructions for Authors

**Oral communications** Slides must be written in ENGLISH. Speech can be in English or Italian (English warmly recommended). The normal oral slot has a total duration of 15 minutes, including presentation, discussion and change of speaker. Therefore, speakers should prepare a talk with a maximum duration of 10-12 minutes, in order to allow questions from the audience and Conveners. Presentation files (in .ppt, .pptx or .pdf) have to be delivered by 9:00 (morning sessions) or 14:00 (afternoon sessions). Alternatively, presentations can be sent via e-mail ([flowpath2017@unica.it](mailto:flowpath2017@unica.it)) the day before.

**Poster** Posters must be in English. Max dimensions are 120 cm in height and 90 cm in width. The posters can be hanged in the morning of the 14<sup>th</sup> of June from 8.30 am. Posters will be displayed until the afternoon of the 15<sup>th</sup>.

## Publication of abstracts

The Abstracts will be contained in a pen drive and included in the Congress kit. The Abstract Proceedings will be also published online, with DOI code and ISBN, on the UniCA Open Journals website, the open access platform of the University of Cagliari

<http://ojs.unica.it/index.php/flowpath2017/about>.

For the abstracts of authors registered to the conference by the April, 15<sup>th</sup> 2017, a short note (minimum 6, maximum 8 pages, recommended 6) have to be submitted by the June, 30, 2017, for the publication on Rendiconti online (ROL) of Italian Geological Society. The ROL are indexed by Scopus, the largest abstract and citation database of peer-reviewed literature, and by WoS. **Only two short notes per author can be submitted.**

## Info and registration fees

The registration fees are as follows:

IAH members	200 €
Including 2017 IAH membership	280 €
Foreign delegates	280 €
Students, Including 2017 IAH membership	110 €
Foreign students	110 €
Students, IAH members	80 €

The registration fee includes: access to the event spaces, congress kit, coffee breaks and lunches of 14<sup>th</sup> and 15<sup>th</sup> of June. **the Conference dinner and the Field trip can be guaranteed only to those who made the pre-registration by May 20.**

Authors presenting an accepted abstract must register to attend the Conference and pay the appropriate registration fee before May 20, 2017. **Failure to register, automatically implies that the abstract will not be included in the Abstract Proceedings and on the web site.** The fee can be paid by bank transfer. The bank details are:

ASSOCIAZIONE INTERNAZIONALE DEGLI IDROGEOLOGI COMITATO ITALIANO C/O UNIVERSITA' LA SAPIENZA PIAZZALE ALDO MORO,5 00185 ROMA (RM)

IBAN IT09N0335901600100000068064

BIC BCITITMX

BANCA PROSSIMA – FILIALE: 05000

PIAZZA PAOLO FERRARI 10, 20121 MILANO (MI)-

PAYMENT DESCRIPTION: FLOWPATH 2017 Meeting\_Registration fee

## Accommodation

Cagliari offers many options to stay during the conference. On the conference websites you can find a short selection of accommodations that offered special prices for the event:

<http://convegni.unica.it/flowpath2017/selected-hotel/>

Participants should contact directly the accommodations to book; when booking, please specify to be a Flowpath participant. The Conference Secretariat has no responsibility for changes in prices and availability of rooms.

## Key Dates

Pre-registration (Dinner, Filed Trip, included): **May 20, 2017**

Registration and payment for Authors: **May 20, 2017**

The Conference: **June 14-16, 2017**














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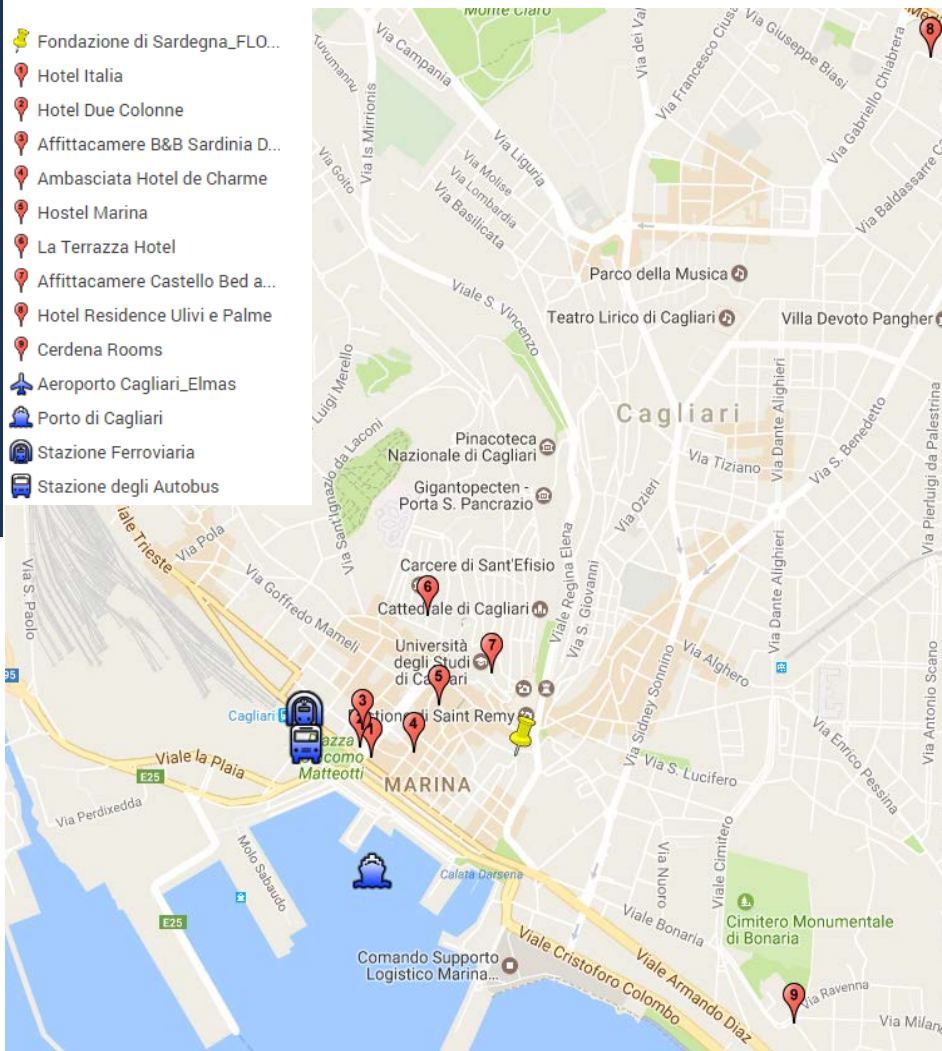


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## How to get Cagliari

-  Fondazione di Sardegna\_FLO...
-  Hotel Italia
-  Hotel Due Colonne
-  Affittacamere B&B Sardinia D...
-  Ambasciata Hotel de Charme
-  Hostel Marina
-  La Terrazza Hotel
-  Affittacamere Castello Bed a...
-  Hotel Residence Ulivi e Palme
-  Cerdena Rooms
-  Aeroporto Cagliari\_Elmas
-  Porto di Cagliari
-  Stazione Ferroviaria
-  Stazione degli Autobus



## By Plane

Cagliari is connected to the most important european cities hanks to the Elmas - Mario Mamei international airport. A shuttle bus connects the airport to the city center in Piazza Matteotti, situated between the port and the train station. Moreover, also taxis and rent-a-car services connect the airport to downtown.

## Port and Train station

The port of Cagliari is situated in the centre of the city and faces directly onto the famous via Roma. It is connected with the Mainland via daily ferry trips, and is also an important landing place to several ships cruising the Mediterranean.

Nearby the port, there are the train station as well as the main terminals for local and regional bus lines.

## Transports

Moving around in Cagliari is quite easy: the public transports network consists of the metro, local and extra-urban buses. It's also possible to use cabs or rent a car in the city centre or at the airport.

Taxi service: Tel 070 7055 – 070 400101

Town Bus service: <http://www.ctmcagliari.it/>

## Contact Information

Conference Secretariat

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