

## VENUE AND DIRECTIONS

The Conference will take place at the Kardinal-Döpfner-Haus (KDH), an educational centre in Freising, Germany. KDH is located in close proximity to Munich Airport and the City of Munich; it can be reached within minutes from the airport by public transport and taxi. Downtown Munich is at 40 minutes distance from Freising via regular commuter trains.

The KDH offers accommodation for conference participants at very reasonable rates.

Kardinal-Döpfner-Haus  
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[www.bildungszentrum-freising.de](http://www.bildungszentrum-freising.de)

## PARTICIPATION AND REGISTRATION

Participation requires the advance payment of a registration fee.

Members of the GLOBAQUA,  
MARS & SOLUTIONS projects: 150 €  
Non project-members: 200 €  
Students (authentication required): 75 €

The fee will cover: attendance to the conference, book of abstracts, coffee breaks and lunches, conference Dinner and guided City tour.

Online registration (incl. payment details) will be available at:  
<http://www.globaqua-project.eu/en/events/showcategory/&-cat=conferences>

Online registration will be open until 30<sup>th</sup> November 2015.

## IMPORTANT DATES

- Online registration: open until 30<sup>th</sup> November 2015;
- Deadline for abstract submission: 31<sup>st</sup> October 2015;
- Acceptance notification to authors: 13<sup>th</sup> November 2015;
- Manuscript submission for special issue: 30<sup>th</sup> April 2016.

## SCIENTIFIC COMMITTEE

- Damià Barceló, IDAEA-CSIC, Spain;
- Ralf Ludwig, LMU, Germany;
- Vicenc Acuna, ICRA, Spain;
- Alberto Bellin, University of Trento, Italy;
- Sebastian Birk, University of Duisburg, Germany;
- Werner Brack, UFZ GmbH, Germany;
- Arturo Elosegi, University of the Basque Country, Spain;
- Gabriella Fait, AEIFORIA, Italy;
- Peter Gratwohl, University of Tuebingen, Germany;
- Daniel Hering, University of Duisburg, Germany;
- Philippe Ker Rault, ALTERRA, The Netherlands;
- Phoebe Koundouri, ATHENA Research, Greece;
- Radmila Milacic, Jozef Stefan Institute, Slovenia;
- Isabel Munoz, University of Barcelona, Spain;
- Alberto Pistocchi, JRC, Belgium;
- Sergi Sabater, ICRA, Spain;
- Nick Voulvoulis, Imperial College London, UK.

## CONFERENCE SECRETARIAT

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## MANAGING THE EFFECTS OF MULTIPLE STRESSORS ON AQUATIC ECOSYSTEMS UNDER WATER SCARCITY

1<sup>ST</sup> GLOBAQUA INTERNATIONAL CONFERENCE  
11-12 JANUARY 2016, FREISING (GERMANY)

## SUPPORTING ORGANISATIONS:



The research leading to GLOBAQUA has received funding from the European Union's Seventh Programme under grant agreement N° 603629

## ABOUT GLOBAQUA

Water and water-related services are major components of the human wellbeing, and as such are major factors of socio-economic development in Europe; yet freshwater systems are under threat by a variety of stressors (organic and inorganic pollution, geomorphological alterations, land cover change, water abstraction, invasive species and pathogens).

The relevance of water scarcity as a stressor is more important in semi-arid regions, such as the Mediterranean basin, which are characterized by highly variable river flows and the occurrence of low flows. This has resulted in increases in frequency and magnitude of extreme flow events. Further, in other European regions, water demand exceeds water availability and water scarcity has become an important management issue.

Water scarcity is most commonly associated with inappropriate water management and resulting river flow reductions. It has become one of the most important drivers of change in freshwater ecosystems. Conjoint occurrence of a myriad of stressors (chemical, geomorphological, biological) under water scarcity will produce novel and unfamiliar synergies and most likely very pronounced effects. Stressors are hierarchically arranged in terms of intensity, frequency and scale, and their effects can be predicted to be from transient to irreversible. Most ecosystems are simultaneously exposed to multiple-stress situations.

GLOBAQUA, and its partner projects MARS and SOLUTIONS, have assembled multidisciplinary teams of scientists in the fields of hydrology, chemistry, ecology, ecotoxicology, economy, sociology, engineering and modeling to study the interaction of multiple stressors within the frame of strong pressure on water resources. The aim is to achieve a better understanding how current management practices and policies could be improved by identifying the main drawbacks and alternatives.

## RATIONALE OF THE CONFERENCE

The interdisciplinary conference is a platform for exchange and discussion of innovative scientific findings and methods in aquatic ecosystems research. It focuses on novel methods of environmental monitoring and modeling of various scopes, scales and structural complexity to improve process understanding in the interconnectivity and feedback mechanisms of climate (regional), land use (regional), economy, hydrology and hydraulics (catchment and river), water quality (river), biology and aquatic ecosystems (reach scale).

Further, the conference builds the bridge to the scientific assessment of implications on policy and management – it is thus structured in four sessions: STRESSORS, RECEPTORS, IMPLICATIONS and MANAGEMENT & POLICY. Contributions are most welcome from the interested scientific community.

## CALL FOR ABSTRACTS

The meeting will include key-note lectures, invited and regular oral presentations and posters. Submission of abstracts is open to all scientists who share interest in the topics of the conference. Preference to oral presentations will be given to submissions with novel scientific findings in the listed core topics or, in particular, to presentations that focus on innovative integration of the conference topics.

Abstracts (in English) for oral and poster presentations (max 2 pages) must be submitted online before 31<sup>st</sup> October 2015 at: <http://www.globaqua-project.eu/en/events/showcategory/&-cat=conferences>

Please use the available template. Posters should be strictly prepared in AO landscape format.

The acceptance of the contributions (oral/poster) will be communicated to the authors no later than 13<sup>th</sup> November 2015.

It is foreseen to publish a Special Issue, based on the Conference presentations, in Science of the Total Environment (STOTEN).

## SCHEDULE

### MONDAY, 11<sup>TH</sup> JANUARY 2016

08.00 – 09.00: Registration

09.00 – 09.15: Welcome

09.15 – 10.00: Keynote

10.00 – 10.30: Introduction to posters

10.30 – 10.45: Coffee break

10.45 – 12.15: Session 1 - Stressors

12.15 – 13.45: Lunch + Poster Session

13.45 – 15.15: Session 1 - Stressors

15.15 – 15.30: Coffee break

15.30 – 17.00: Session 2 - Receptors

17.00 – 17.15: Tea Time

17.15 – 18.45: Session 2 - Receptors

18.45 – 20.00: Walking Freising - Guided Tour

20.00: Conference Dinner

### TUESDAY, 12<sup>TH</sup> JANUARY 2016

09.00 – 10.30: Session 3 - Implications

10.30 – 10.45: Coffee break

10.45 – 12.15: Session 3 - Implications

12.15 – 13.45: Lunch + Poster Session

13.45 – 15.15: Session 4 - Management and Policy

15.15 – 15.30: Coffee break

15.30 – 17.00: Session 4 - Management and Policy

17.00 – 17.15: Closing Discussion