

**Title of Partnership****EURO-AQUAE - Euro Hydro-Informatics & Water Management****Masters Course running the Partnership****EURO-AQUAE – Euro Hydro-Informatics & Water Management****Duration:** 3 years**Summary description**

Education and training into modern development of water management strategies and hydroinformatics must include an understanding about worldwide diversity of situations. The partnership, in different regions, with excellent and relevant institutions - able to play a major role at the regional dimension and the most recognised into the water field - is a key priority and has been foreseen by the Euro-Aquae consortium at the initial state of the master course. The objectives of the partnership are:

- integration and understanding by the students of the worldwide dimension of the water management,
- extension of existing contents to specific specialities and into specific regions of the world,
- support and improve the capacity of education and training of the partner institutions,
- improve the capacity of the EuroAquae consortium with additional competences and expertise,
- ensure activities and development of the EuroAquae consortium in each region of the world at the continental scale,
- build a cooperation network at the worldwide scale to support research and professional training of European students.

The partnership is defined for 3 years between the 5 following european institutions:

University of Nice – Sophia Antipolis (UNSA), Brandenburg Technical University Cottbus (BTUC), Budapest University of Technology and Economics (BUTE), Polytechnic University of Catalonia (UPC), University of Newcastle upon Tyne (UNUT)

and the 4 following institutions:

National University of Singapore (NUS), Swiss Federal Institute of Technology Lausanne (EPFL), Indian Institute of Technology Madras (IITM), National University of the Riverside (UNL - Argentina).

The partnership provide a general framework for European students and teachers exchanges between EuroAquae consortium members and partners.

Each institution of the partnership offers modules which are identified as original options (ocean engineering, fluvial hydraulics and water management in different environments) during the 3rd Euro-Aquae master course semester or research activities during the 4th th Euro-Aquae semester. Offered modules replace standard modules of Euro-Aquae master course and are equivalent to 10 to 12 ECTS according to a signed pedagogic contract (learning agreement). The research work (12 ECTS) of the 4th semester can be carried out jointly with one of the 4 partner institutions and one Euro Aquae member institution.

European teachers mobility contribute to reinforce the hydroinformatics master courses in partner institutions, extend research topics and activities, promote widely concepts for sustainable water

management.

15 grants of 3 months length are offered each year to all the European students of Euro-Aquae master course. The initial selection process used for EuroAquaе is based on excellence of candidates and limited to 15 participants.

9 European scholars spend in total 9 months/work with the 4 institutions to teach 12 different modules and are involved into research activities. They play an active role into hydroinformatics curricula development.

Modules and work are carried out in english and in national language.

The partnership allows to develop a worldwide network on higher education into hydroinformatics and water management fully recognised by the profession.

### **Beneficiary**

University of Nice – Sophia Antipolis, France  
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### **Co-ordinator**

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### **European Partners**

Bradenburg Technical University Cottbus, Germany  
University of Newcastle upon Tyne, United Kingdom  
Budapest University of Technology & Economics, Hungary  
Polytechnic University of Catalonia, Spain

### **Third-country partner institutions**

National University of Singapore, Singapore  
Ecole Polytechnique Fédérale de Lausanne, Switzerland  
Indian Institute of Technology of Madras, India  
Universidad Nacional del Litoral, Argentina

### **Grant**

304 000 € (45 000 € partnership + 259 000 € scholarships)