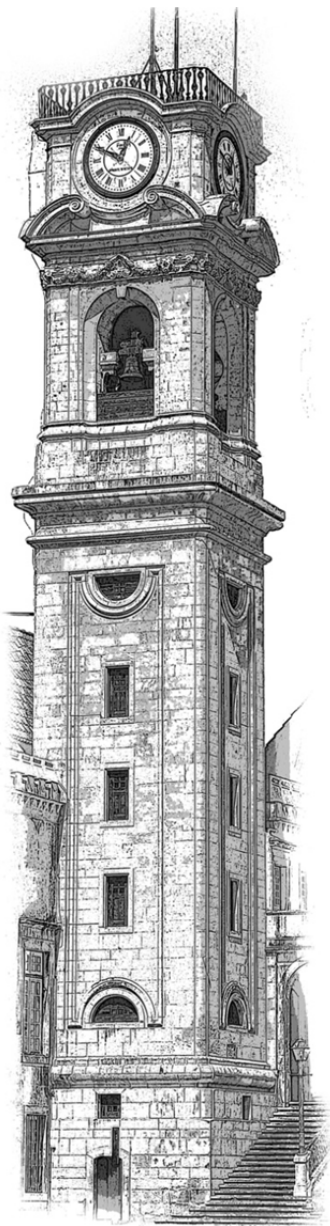




## XIX Conference of the Iberian Association of Limnology

24 – 29 June 2018

Coimbra, Portugal



### **Inland waters and XXI century challenges: from scientific knowledge to environmental management.**

Inland freshwaters represent only a minor fraction of total waters of our planet; however they comprise a large variety of systems, including lakes, lagoons, ground waters, streams and rivers that greatly differ in size, and water chemistry. Inland waters also support a strikingly and disproportionately high level of the world's biodiversity

Historically, inland waters are linked to the rise of ancient civilizations. Many ancient civilizations grew and flourished along large rivers or other large sources of freshwaters as centers of intensive anthropogenic activities. Some civilizations collapsed due to environmental changes resulting in water scarcity. Some of the worst recent environmental disasters are related to bad water management (e.g. the collapse of the Aral sea). The misuse of water resources is an ongoing process, with large rivers that run dry (e.g. Colorado, Indus, Yellow) and dubious hydrological plans threatening biodiversity and marginalized human societies (e.g. inner Niger Delta). Unsafe water kills more people than all wars; it is estimated that every year 1.7 million people die in the world because of water related problems.

Inland waters provide ecosystem services to humans, including clean water for consumption, irrigation and hydropower, food, cultural and spiritual values. However, humanity's growing water needs, global climatic change, nutrients and pollutants run-off are exacerbating challenges of water scarcity and quality, which will in turn, increase the pressure we place on our inland waters.

These pressures challenge human societies to better understand rivers to properly manage freshwater resources. The Iberian

Limnological Association meeting, to be held in Coimbra in June 2018, will be an interactive platform for scientists, policy makers, environmental managers, industry and all those interested

in inland waters to discuss and share their ideas and expertise. We welcome all to the 2018 AIL meeting.

### **Preliminary topics**

- Ecotoxicology, Biomarkers and multiple stressors
- Novel molecular techniques applied to ecological studies
- New approaches for environmental assessment and management
  
- Trophic interactions in aquatic ecosystems
- Ecosystem Services
- Ecosystem Functioning
  
- Biodiversity and Biogeography
- Aquatic Invertebrates
- Fish Ecology
- Primary Producers
- Microbial Ecology
  
- Intermittent streams
- Nature Based System (NBS) in Urban Planning and Management
- Lakes, Reservoirs and Wetlands
- Brackish waters and Estuaries
  
- Global Change (biological invasions, nutrient enrichment, climate change)
- Conservation and Restoration
- Hydraulics and Ecohydrology

### **Special sessions**

We invite all interested to propose special session at the XIX AIL meeting. Proposals should be sent to the Organizing Committee ([info@limnologia2018.org](mailto:info@limnologia2018.org)) between the 1<sup>st</sup> September and 31<sup>st</sup> October 2017; they should include a title, a short description of the topic, and a list of potential speakers to be contacted by the topic organizer. Organizers of special sessions will chair the event, contact the speakers and review the abstracts. Special sessions should be open as well to all participants.

### **Invited speakers**

Beatriz Modenutti. University of Comahue, Bariloche, Argentina.

Catherine Pringle. University of Georgia, USA.

Čedo Maksimović. Imperial College, U.K.

Margaret Palmer. University of Maryland, USA

Michael Danger. Université de Lorraine-METZ, France

Miguel Cañedo. Universidad de Barcelona, España

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Visit the conference site: <http://www.limnologia2018.org/index.php/en>

Visit Coimbra: <http://worldheritage.uc.pt/pt/>

