

Job opportunities / grants

→ PhD position on the role of aquatic plants and food webs in the anaerobic oxidation of methane coupled with denitrification in lakes

Cavanilles Institute for Biodiversity and Evolutionary Biology, Universitat de València, Spain



The project will analyze the interactions between aquatic organisms and the N and CH₄ cycles. It determines how aquatic plants interact in these processes and how these by-products are used in the planktonic and benthic trophic networks, until reaching the upper trophic levels (fish and waterfowl). This subproject will focus on conducting experiments through three complexity levels (microcosm, mesocosm and limnocorrals at field scale) to later assess the main effects of coupled cycles in the food web structure.

Deadlines for the calls: **2nd November** (Generalitat Valenciana) and **19th November 2021** (Universitat de València).

For further information, please contact with Drs. Maria Antonia Rodrigo (maria.a.rodrigo@uv.es) and Javier Armengol (javier.armengol@uv.es).

→ Doctoral position for mapping and valuing biodiversity and ecosystem services

Universidade do Minho, Portugal



Call for 1 doctoral researcher within the scope of the project River2Ocean - Socio-ecological and biotechnological solutions for the conservation and enhancement of aquatic biodiversity in the Minho Region (NORTE-01-0145-FEDER-000068). Major research activities to be developed are focused on assessing and mapping biodiversity and ecosystem services in the river basins of north Portugal, application of socio-ecological and climatic models to project trends in biodiversity and ecosystem services, support the implementation of governance networks for promoting biodiversity and improving ecosystem services, and support the supervision of graduate students within the scope of the project.

Application deadline **2nd November 2021**.

More information [here](#).

→ 2 PhD positions in Palaeoecology / mountain lake ecology

Universidad de Basilea (University of Basel), Switzerland



The two PhD students will conduct fieldwork in extensive field campaigns sampling Swiss mountain lakes with support of other research group members. They will collect water chemistry, observational and recent historical data and obtain short sediment cores encompassing sediments deposited during recent decades. Palaeoecological analyses will focus on identifying aquatic invertebrate remains, with one position concentrating on cladocerans and the other on chironomids, as well as on analyzing carbon isotopes in chitinous invertebrate structures. Together with other proxy data, this will result in high-resolution reconstructions of ecosystem change at these sites during the recent past.

More information [here](#).

→ Postdoc position in improving forecast of water quality in deep-perialpine lakes

Institut de Recherche Public œuvrant pour un Développement Cohérent et Durable de l'Agriculture, l'Alimentation et l'Environnement, France

One dimensional models have been widely implemented over that last years, but most of these models are calibrated and validated against very few years of limnological records, potentially limiting the robustness in long-term reconstructions and preventing inclusion of future scenarios. To analysis the variability and the effects of climate change on ecological dynamics of deep hardwater lakes, the successful candidate will rely on the Aquatic Ecodynamics model (AED) and on pluri-decadal series of limnological data collected by the French Observatoire des LAcS (OLA). Model simulation will be further validated with published paleolimnological records of oxygen conditions^{4,5}, primary productivity and algal communities for the past 300 years.

Deadline for application is **15th December 2021**.

For additional information on this project, please contact Dr Jean-Philippe JENNY, jean-philippe.jenny@inrae.fr.

→ Postdoc position on environmental data analysis

Stroud Water Research Center, USA



Stroud Water Research Center seeks a postdoctoral associate to conduct spatio-temporal analyses of environmental data from streams and rivers in the mid-Atlantic region of the United States. The postdoctoral associate will work under the direction of scientists at the Stroud Center and collaborate closely with scientists and staff at the National Park Service's (NPS) National Capital Region Inventory and Monitoring Network (NCRN).

More information [here](#).

→ Postdoc position in mangroves modeling

Institut Pierre et Simon Laplace, France



Mangroves are part of the blue carbon concept, defined as the carbon fixed from the atmosphere by coastal ecosystems. Despite occupying a relatively small area compared to other tropical forests, mangroves sequester more carbon, and do so at a higher rate, compared to these other forest ecosystems. However, the role of mangroves in the carbon/climate feedbacks are not well understood, and they are not integrated in Earth system models used to predict climate dynamics and climate change.

The main scientific objectives of the position will be to developed a new version of the ORCHIDEE land surface model that includes the main mangroves-related mechanisms impacting the carbon cycle and hydrology, with a focus on belowground processes. This new version of ORCHIDEE will be used for long term present and future simulations at the global scale to determine the feedbacks of mangrove forest to climate change, including sea level rise. Specific tasks will include developing functionalities related to the specific hydrology of mangroves ecosystems, and vertical representation of mangrove soils.

More information, applications and inquiries should be sent to Bertrand Guenet (guenet@geologie.ens.fr), and Laurent Bopp (bopp@lmd.ens.fr).

→ Graduate student position Pennsylvania State University, USA

THE ALLEN LAB at The
Pennsylvania State University

Funds are available for MS/PhD student to start in Fall 2022. The graduate student would work on the collaborative NSF-funded StreamCLIMES project, which seeks to understand how drying influences stream biodiversity, community structure and food web dynamics in different climates across the United States. The graduate student would be expected to develop a thesis/dissertation that complements the overall goals of the research project. The student would have the opportunity to conduct team science and develop an extensive research network working with collaborators at 8 different US institutions. A wide range of research foci are available for the graduate student to pursue. Applicants interested in field research, spatial or food web modeling, DNA metabarcoding, and/or stable isotope ecology are encouraged to apply.

Application deadlines are **15th December 2021**.

To indicate your interest in one of these positions, complete this [form](#). Questions can be sent to daniel.c.allen@gmail.com.

→ Faculty assistant professor position in physical limnology EPFL School of Architecture, Civil and Environmental Engineering (ENAC), Switzerland



We seek applicants with acknowledged research expertise on physical processes in inland surface waters and their response to natural and anthropogenic impacts. Particularly welcome are candidates with research interests that include the impacts of climate change on aquatic environments. We also encourage applications from candidates whose research vision encompasses the quantitative interdisciplinary connections between physical, chemical and biological processes that contribute to ecosystem services provided by lakes and other inland water bodies.

The appointee is expected to lead an internationally recognized research program in physical limnology that leverages the opportunities offered by EPFL.

Formal evaluation of the applications will begin on **1st January 2022**.

More information [here](#), Further enquiries should be made to Prof. Fernando Porté-Agel, Chair of the Search Committee (SearchLimnology@epfl.chapplications).

→ PhD position on biological pest control Universidad Politécnica de Cartagena, Spain



Call for grants for pre-doctoral contracts FPI (Formación de Personal Investigador) corresponding to the year 2021 (FPI contracts), with 4 years of duration, under the project “Much better bugs for biological control: Genetic improvement of Orius laevigatus for better fitness on alternative food and at low temperatures (BugBetter)”, ref. PID2020-116897RB-I00.

Application deadline is **11th november 2021 14:00h** (Spanish peninsular time).

Interested candidates should put in contact with Pablo Bielza (pablo.bielza@upct.es). More information [here](#) and [here](#).

→ Seminário do projecto [SWUAV](#)

Neste seminário serão apresentados os resultados do projeto SWUAV, nomeadamente progressos no desenvolvimento de técnicas e métodos inovadores para mapear os recursos da zona intertidal e avaliar a biomassa disponível de macroalgas recorrendo a imagens de alta resolução obtidas com drones.

O seminário decorrerá a 25 novembro 2021 durante a tarde em formato on-line via Zoom.

Após a sua inscrição será oportunamente contactado/a com os detalhes da agenda do seminário e o link para participação.

[Inscrições](#) até 21 novembro 2021.



→ 36th Congress of the International Society of Limnology 7th - 10th August 2022, Berlin, Germany

WELCOME TO SIL 100 - THE CENTENNIAL

Founded in 1922 by visionaries August Thienemann and Einar Naumann, the International Society of Limnology (SIL), established the **science of inland waters**, encompassing lakes and ponds, streams and rivers, surface and ground water, and wetlands.

More information about the Congress will be updated soon.
Webpage of the Congress [here](#).



Other interesting information

→ DRYRivERS: a dedicated smartphone application to monitor drying events across European (and beyond) river networks

The DRYRivERS app, a key output of the Horizon 2020 DRYvER project (www.dryver.eu) is designed to help scientists mapping drying river networks across Europe and beyond. This is a very simple and easy app to handle. All you need to do is to go out in nature by your favourite rivers, locate yourself, indicate whether the river is flowing/dry/has disconnected pools and take a picture. Please, use the app as much as possible in the coming year(s) and spread the word around you.

More info [here](#)
Tutorial [here](#)
Data [here](#)
Video [here](#)

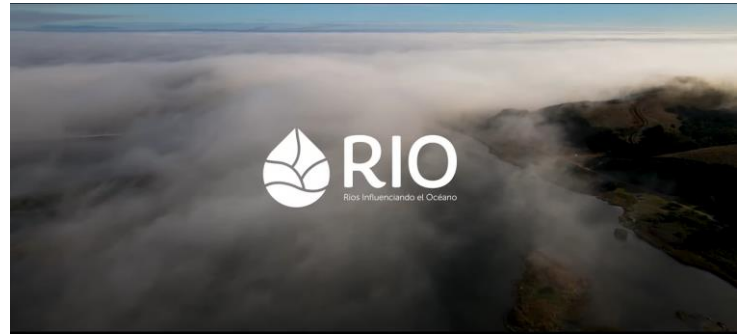


Other interesting information

→ Documental RIO: Ríos Influenciando al océano

<https://youtu.be/afFa82quvK0> 

Divulgar, comunicar y educar sobre la influencia de los ríos en el océano, conectando la evidencia científica con actores locales, desde la cordillera hasta sistemas costeros de la zona centro-sur de Chile.



→ SHAREMED initiative for practical marine research collaboration activities with Mediterranean institutions

Innovative initiative for practical marine research collaboration activities with Mediterranean institutions. This is a unique opportunity to boost your research by taking one or more offers that are presented in this Call for Transnational On-Demand Access. This will match you to a SHAREMED project partner and provide you with expertise, training and sharing of methodologies and operational models and systems.

Visit the dedicated website [here](#) or through the project website [here](#).

Deadline for application is **8th November 2021**.



For any further information or queries, please contact Prof. Aldo Drago, coordinator of this capitalisation activity (aldo.f.drago@gmail.com or aldo.drago@um.edu.mt)

→ New Special Issue: "Recent advancements in the risk screening of freshwater and terrestrial non-native species", [now open](#) for submission of papers at NeoBiota.

The new special issue is expected to collate prominent contributors from the field of invasive ecology, thereby addressing existing gaps in the knowledge about both freshwater and terrestrial non-native species and their management.

The collection will be managed by guest editors Dr Daniela Giannetto (Mugla Sitki Kocman University, Turkey), Prof. Marina Piria (University of Zagreb, Croatia), Prof. Ali Serhan Tarkan (Mugla Sitki Kocman University, Turkey) and Dr Grzegorz Zięba (University of Lodz, Poland).

Find more information on [Pensoft's blog](#) and [NeoBiota's website](#).

The deadline for submission is **28th February 2022**, with the issue scheduled for publication in August 2022.

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