



UNIVERSITÀ  
DI PAVIA

Pavia, 26<sup>th</sup> October 2023

To whom it may concern

**Subject: 2-year research grant at the University of Pavia, Department of Civil Engineering and Architecture, on the investigation and management of plastic waste transport in rivers and coastal areas, within the PRIN project MINOSSE**

Title: Collaboration to the PRIN project MINOSSE on the investigation and management of plastic waste transport in rivers and coastal areas

Location: Department of Civil Engineering and Architecture, University of Pavia, Pavia, Italy; Water Research Institute, National Research Council (CNR-IRSA), Verbania, Italy

Duration: 24 months (approximate start date: January 2024)

Grant (net amount): 1980 €/month

Activities to be performed: The research fellow will work within the PRIN project MINOSSE (Managing plastic transport in rivers and coastal areas), collaborating with the University of Pavia and the CNR-IRSA of Verbania. With the University of Pavia, the research fellow will carry out laboratory tests on scale models to study the transport and accumulation of plastic waste in watercourses and will collaborate in the execution of numerical simulations of the same phenomena, using numerical models already developed by the senior researchers involved in the project. With CNR-IRSA, the research fellow will carry out sampling on the case studies of Ticino in Pavia and Arno in Florence, aimed at identifying plastic waste of different fractions in water and sediments, and will collaborate with the senior researchers involved in the project in the laboratory analyses of the collected samples. The research fellow will therefore have the opportunity to work in two different but very closely connected scientific contexts within environmental management. The research fellow will be engaged with each institution in an approximately equal manner. A lump-sum coverage of travel expenses between the two workplaces will be recognized and a benefit related to accommodation may be paid.

Team description: The researcher will join a multidisciplinary team from two different research institutions with a consolidated collaboration, with expertise in environmental hydraulics, limnology, flood numerical modelling, numerical modelling of instream wood transport, microplastic pollution, ecotoxicology, ecology, plastic waste reuse, bioplastics, material science.

Contact: Official information will be made available on: <http://www.assegni.unipv.it/bandi-dipartimenti-tipo-b/>. For any questions about the activities and the research plan, get in touch with: Andrea Fenocchi, [andrea.fenocchi@unipv.it](mailto:andrea.fenocchi@unipv.it)

Andrea Fenocchi  
(Assistant Professor at the Department  
of Civil Engineering and Architecture,  
University of Pavia)