



PRESS RELEASE

Anavissos, 24/07/2023

The Institute of Marine Biological Resources and Inland Waters (IMBRIW, <https://imbriw.hcmr.gr/>) of the Hellenic Center for Marine Research (HCMR) has undertaken the implementation of a research project entitled: "Floods-Tech - Water monitoring for risk management due to natural and anthropogenic disasters, using modern technologies". The project is funded by the Green Fund through the financing program NATURAL ENVIRONMENT AND INNOVATIVE ACTIONS 2023 (Priority Axis 2: BIODIVERSITY CONSERVATION ACTIONS - INNOVATIVE ACTIONS - SMART CITIES - OTHER ACTIONS) and has an 18-month duration.

The aim of the project is the installation and operation of a state-of-the-art network of automatic water monitoring stations and the development of an early warning system for flood/drought and water pollution incidents in Epirus rivers. The project focuses on Kalamas, Louros and Arachthos rivers, in areas with significant pollution pressures but also increased flood risk.

It is an operational monitoring network that will record data on a real-time basis regarding the water quantity (water level and discharge) and quality (pH, temperature, conductivity and dissolved oxygen). It will support public agencies, researchers, engineers and stakeholders to make optimal decisions for the management of water resources.

In addition, the network will be able to transmit data on an hourly basis to a data visualization platform with free access, while a hydro-environmental risk warning system will be developed by using email notifications in case of a measured parameter exceeds safety limits, in the event of flooding, drought and water pollution.

During the project, informational workshops on the operation of the network and the exploitation of data utilization will be organized, as well as actions to raise awareness among students and local community about the benefits of the project output.

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