blue water

POLLUTION CAUSED BY DISCHARGES OF UNTREATED OR INADEQUATELY TREATED WASTEWATER INTO RIVER AND COASTAL WATER BODIES, AND ITS IMPACT ON THE ENVIRONMENT AND HUMAN HEALTH. IS A GLOBAL PROBLEM THAT NEEDS TO BE TACKLED FROM A HOLISTIC POINT OF VIEW. TO REDUCE THE ENVIRONMENTAL RISKS ASSOCIATED WITH THE PRESENCE OF CONTAMINANTS **OF EMERGING CONCERN (CECS) AND MICROPLASTICS, A COMMON STRATEGY AND EFFECTIVE CROSS-BORDER COOPERATION ARE ESSENTIAL TO REDUCE THE EMISSION OF THESE CONTAMINANTS.**

BlueWWater aims to improve the quality of river, transitional and coastal water bodies by controlling, monitoring, and assessing the emission of microplastics and CECs into the aquatic environment in Galicia and Northern Portugal, ensuring a sustainable use of water resources and contributing to the implementation of the European Community legislation.

bjectives

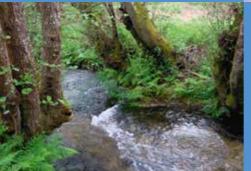
The main objectives of the project are:

Detect and monitor contaminants of emerging concern (CECs) and microplastics in wastewater, river, and coastal waters.



Assess the potential for reuse of treated water for agricultural purposes.

Promote collaboration. exchange of experience and transfer of knowledge.



Evaluate the efficiency of wastewater treatment plants (WWTPs) and advanced pilot treatments.



aquatic environment and human health.

activities and results

Development of tools for assessing microplastics and contaminants of emerging (CECs) concern in WWTPs and the aquatic environment

Risks and impacts of contaminants of emerging concern (CECs) and microplastics

Dynamization and strengthening of the **NOR-WATER** Network

Environmental education and awareness-raising activities

High throughput methodologies for the determination of CECs and microplastics.

- · Interlaboratory exercise for the validation of analytical methodologies.
- Evaluation of the efficiency of WWTPs and tertiary/quaternary treatments at pilot scale.
- · Potential for reuse of treated water for agricultural purposes.
- · Environmental assessment using a life-cycle analysis (LCA) methodology.
- Modelling tool to support environmental risk assessment.
- Catalogue of capabilities and technological offer.
- Database of knowledge about CECs.
- Webinars, seminars, and Winter school.
- Workshops, litter clean-up actions, exhibitions, videos and infographics, outreach publications, games, and educational kits.

consortium



Centro Tecnológico del Mar Fundación CETMAR (Coordinator)



Centro Interdisciplinar de Investigación Mariña e Ambiental (CIIMAR) Univ. do Porto



Instituto Tecnolóxico para o Control do Medio Mariño de Galicia (INTECMAR)





Agência Portuguesa do Ambiente, IP - ARH do Norte



Confederación Hidrográfica del Miño-Sil, CHMS



Águas e Energia

do Porto, EM

CETAQUA

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Viana do Castelo Centro Monitorização e Interpretação Ambiental



Instituto Español de Oceanografía Centro Oceanográfico de Vigo (IEO-CSIC)



Faculdade de Ciências da Universidade do Porto (FCUP)



Câmara Municipal Vila Nova de Cerveira Aduamuseu do Río Minho



Universidade de Santiago de Compostela (USC)



CONTROL, TREATMENT AND REDUCTION OF MICROPLASTICS AND EMERGING POLLUTANTS IN URBAN WASTEWATER AND IN THE TRANSBOUNDARY COASTAL ENVIRONMENT



contact

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Junding

INTERREG Cross-border cooperation program -Galicia-North of Portugal (POCTEP) 2021-2027

budget

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