

PROJECT DETAILS:

Call: HORIZON-MISS-2022-OCEAN-01-04 | Project Nu: 101112877
Start date: 1 September 2023 | End date: 31 August 2027 | Duration: 4 years
EU contribution: € 7 024 032,90 | UK contribution: € 2 959 042,00

CONSORTIUM:

22 partners | 11 countries
10 research institutes | 10 industrial partners | 2 associations

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Upstream

FOR WASTE-FREE EUROPEAN RIVERS

Circular and Bio-Based Solutions for the **Ultimate Prevention** of **Plastics** in **Rivers** Integrated with **Elimination And Monitoring Technologies**

PROJECT PARTNERS:

LEITAT
managing technologies



PROJECT COORDINATOR



Aitiip Technology Centre
www.aitip.com



Co-funded by
the European Union

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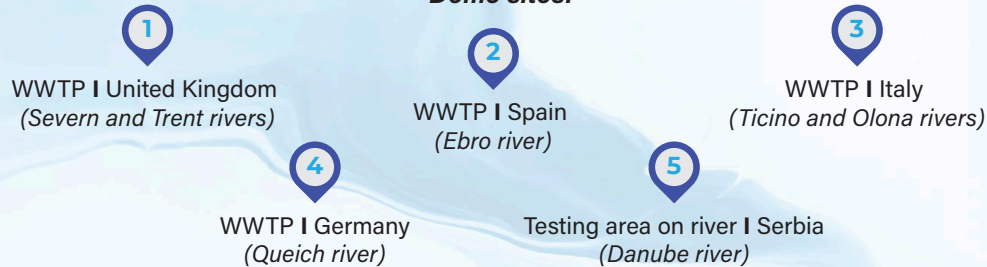
UK Research
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aims to improve the **cleanliness** and **water quality of the European rivers** run through several major European capital cities and feed into 5 sea basins.

Project is going to deploy and demonstrate into **5 demonstration sites** a suite of **15 advanced solutions** that address the serious issues of pollution from *litter* (L), *plastics* (P), and *microplastics* (MP) in **7 European rivers** along **5 pillars: MONITORING, PREVENTION, ELIMINATION** at wastewater treatment plants (WWTP), **ELIMINATION** from rivers, and **VALORISATION** of collected plastics.

Demo sites:



Water supply chain: before wastewater treatment plants (WWTPs), after WWTPs and in the rivers themselves.



Objectives:

- ≈ Address pollution at every point in the path of L, P, and MP;
- ≈ Coupling the technical demonstrations with analysis of circular (bio-based) value chains, environmental and economic sustainability assessments, and focused efforts on knowledge co-creation and replication will accelerate the reduction of pollution in European rivers;
- ≈ Engage stakeholders at all levels: industry, government, and citizens.

Expected outcomes:

- ≈ Reduced pollution from L, P, and MP in European Rivers;
- ≈ Innovative solutions to prevent and minimize pollution of rivers by L, M, and MP;
- ≈ Effective monitoring of L, P, and MP in freshwaters to implement the Water Framework Directive and Marine Strategy Framework Directive;
- ≈ Reduction by $\leq 50\%$ P, L at sea and by $\leq 30\%$ MP released into environment;
- ≈ Contribution to the Mission's Digital Ocean and Water Knowledge system through marine observations and open data and knowledge sharing.

Concept:

