

INŠTITUT  
ZA VODE  
REPUBLIKE  
SLOVENIJE

Institute  
for Water of  
the Republic  
of Slovenia

Voda za življenje, znanje za vode.  
Water for Life, Knowledge for Water

# Activities at Institute for Water of the Republic of Slovenia

Exposure, biological effects and fate of microplastics in aquatic organisms under different anthropogenic impacts  
(PlastOrgAnoTox)

KICK-OFF MEETING

22. 5. 2025

Tine Bizjak

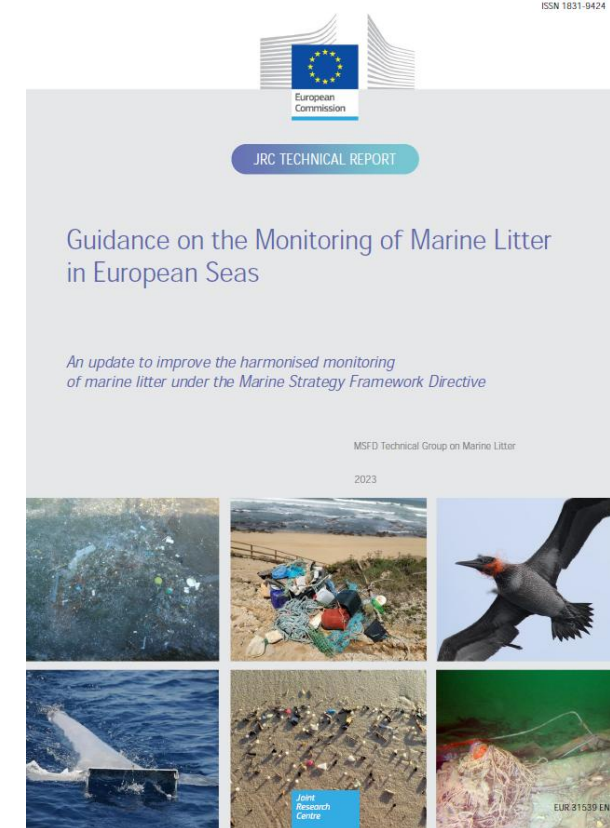
# Institute for Water of the Republic of Slovenia

- Public institute located in Ljubljana
- Work under the Ministry for Natural resources and Spatial Planning
- Advisory institution in the area of integrated water management and water policy in Slovenia



# Institute for Water of the Republic of Slovenia

- Support to decision-making and policy development
- Implementation support:
  - Marine Strategy Framework Directive,
  - Water Framework Directive,
  - Bathing Water Directive,
  - Floods directive,
  - Barcelona convention,...
- Participation in Working/Technical Groups (e.g., TGML)
- National and international research projects
- Market projects



# Institute for Water of the Republic of Slovenia

## TWO SECTORS: MARINE ENVIRONMENT INLAND WATERS

- Marine protected areas
- Underwater noise
- Marine litter
- Ballast Waters



- Hydrology
- Hydrodynamics
- Sediment transport
- Environmental flow
- Ecological conditions

Laboratory for microplastics (MP) analysis

# MSFD Descriptors D10C1 and D10C2

- Obligation under the Marine Strategy Framework Directive (MSFD)
- More than 10 years of monitoring of macro and micro litter at Slovenian sea and coastline

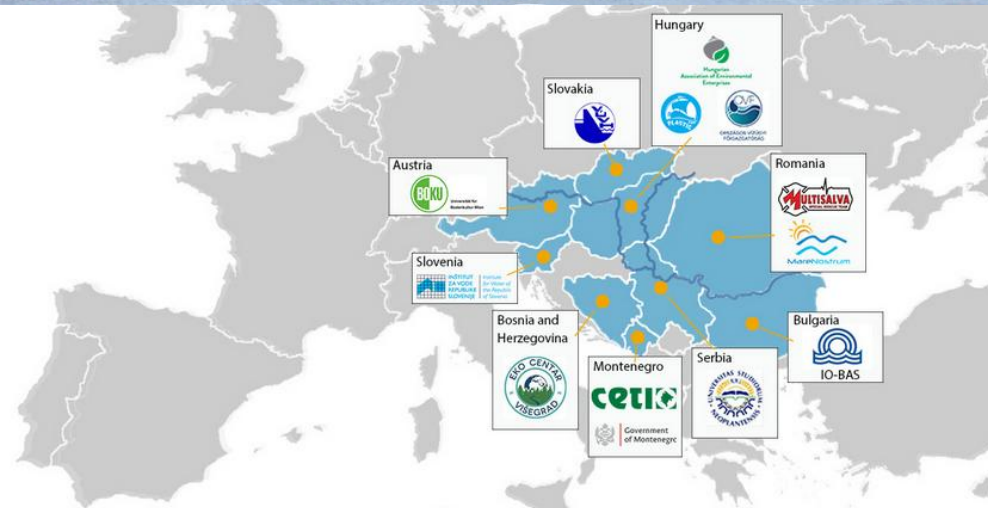




# Aquatic Plastic



- Initiative combating riverine plastic pollution in the Danube River Basin
- Among objectives is **development of methodology for microplastic analysis**
  - river water column
  - river sediments and
  - biota



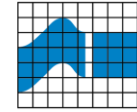
# Tethys4Adrion

Interreg

IPA ADRION



Co-funded by  
the European Union

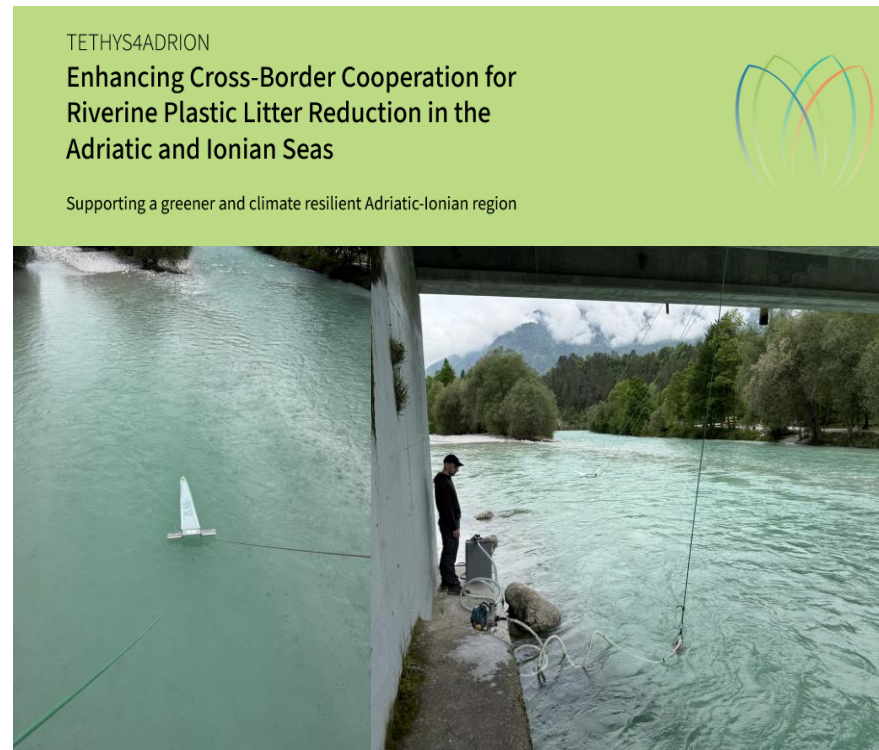


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- The role of rivers in contributing to marine plastic pollution in the ADRION region
- Development of mitigation strategies aimed at addressing riverine litter inputs

## TETHYS4ADRION





**Thank you!**