

# Policy Guidance on Tackling Riverine Plastic Pollution in the Danube River Basin



Hungarian Association of Environmental Enterprises



**ISWA**  
International Solid Waste Association

**Gary Hankó**

Hungarian Association of Environmental Enterprises

**Interreg Danube Region**



Co-funded by the European Union



March 26th, 2024 | Vienna  
South-East Europe Pollution Platform: Western Balkans Regional waste conference







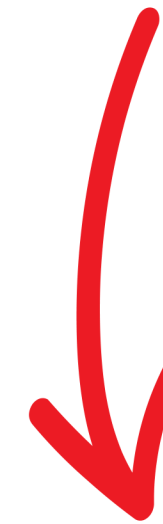
*managing director*  
265 member organisation  
env. SME advocacy



2020-2022



*vice-president of the National Membership (HU)*  
Task Force for Plastic Treaty  
Regional Chapter for SE Europe



*project manager*  
11-year cleanup and lobby experience  
367.000 kg removed  
60% recycled



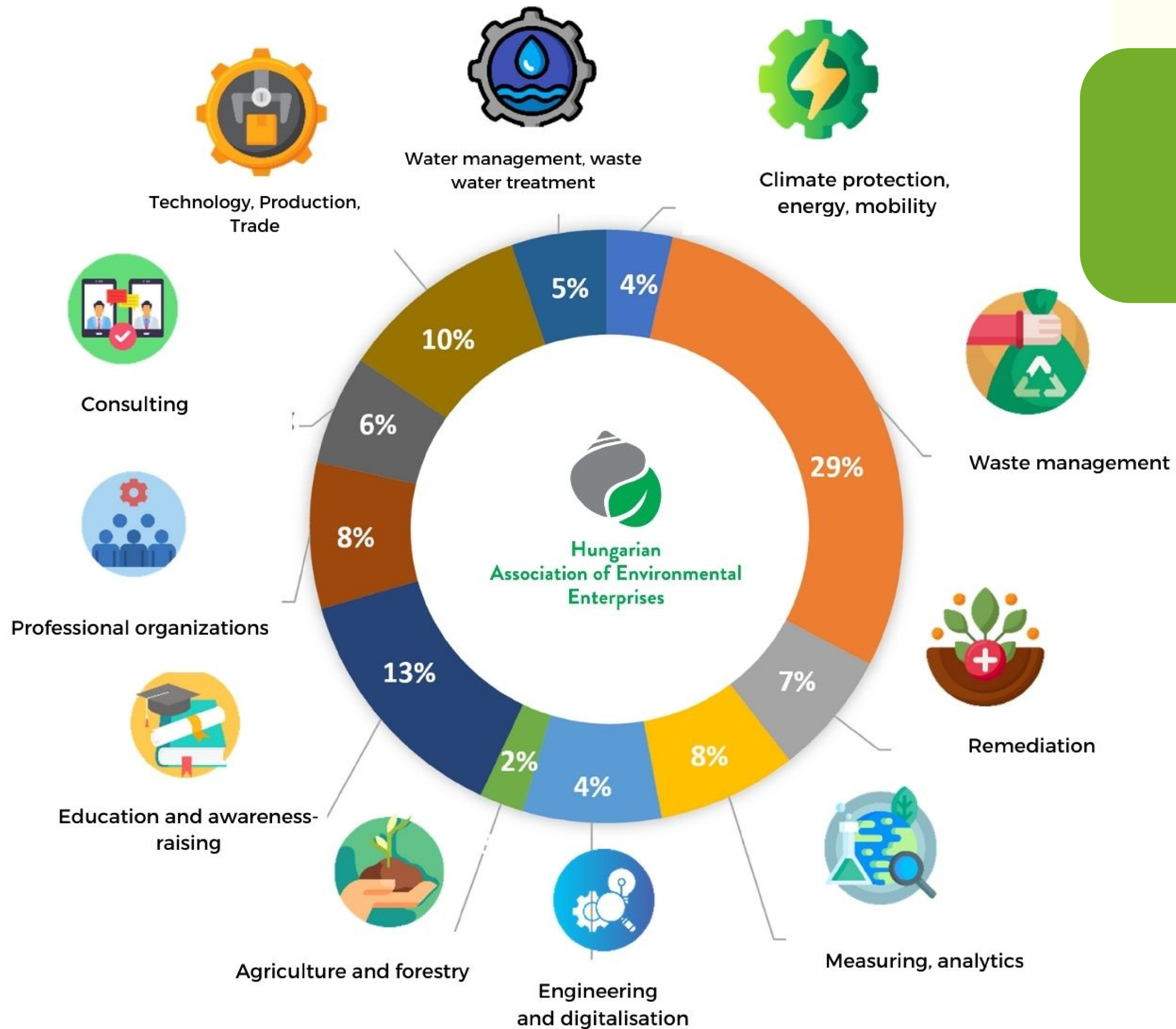
2024-2026



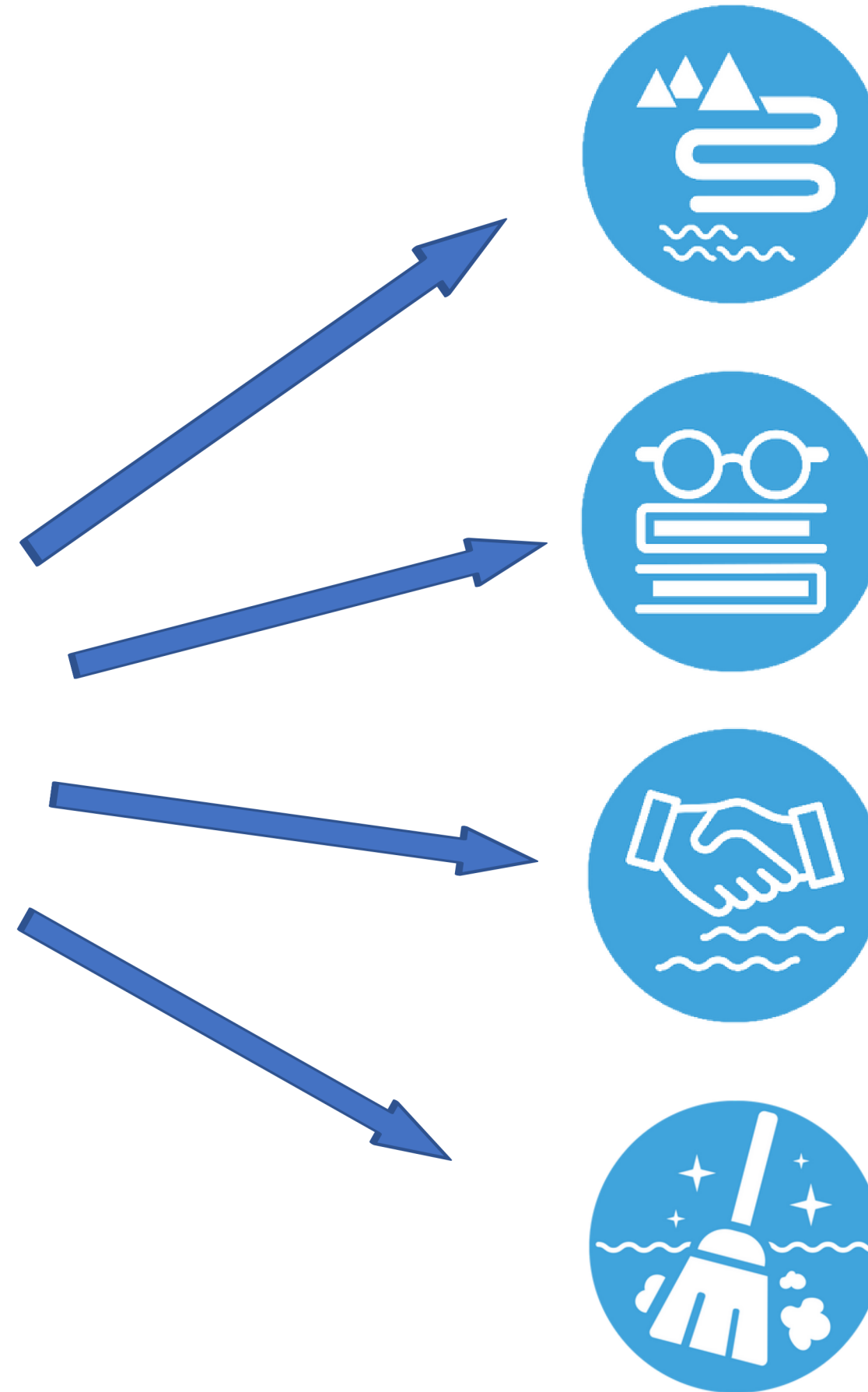
*associated partner*  
*co-author of Policy Guidance*



# HAAEE MEMBERS' FIELDS OF ACTIVITY







I. Who are we?  
Waste situation, plastic  
math and research

II. Key findings and policy  
recommendations

III. Best practice in  
Transcarpathia

IV. Regional project  
proposal







**I. Who are we?**

**Waste situation, plastic  
math and research**



2019

Plastic products in use



460 Mt

Generated plastics waste  
353 Mt



Collected plastics waste

296 Mt



Recycling  
55 Mt

Energy Recovery  
67 Mt

Managed Landfill  
174 Mt



Unknow  
79 Mt



Improper Disposal  
60 Mt

Leakage  
19 Mt



2060

Plastic products in use



1231 Mt

Generated plastics waste  
1014 Mt



Collected plastics waste

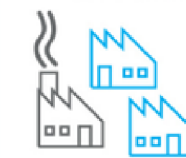
989 Mt



Recycling  
302 Mt

Energy Recovery  
179 Mt

Managed Landfill  
507 Mt



Unknow  
153 Mt

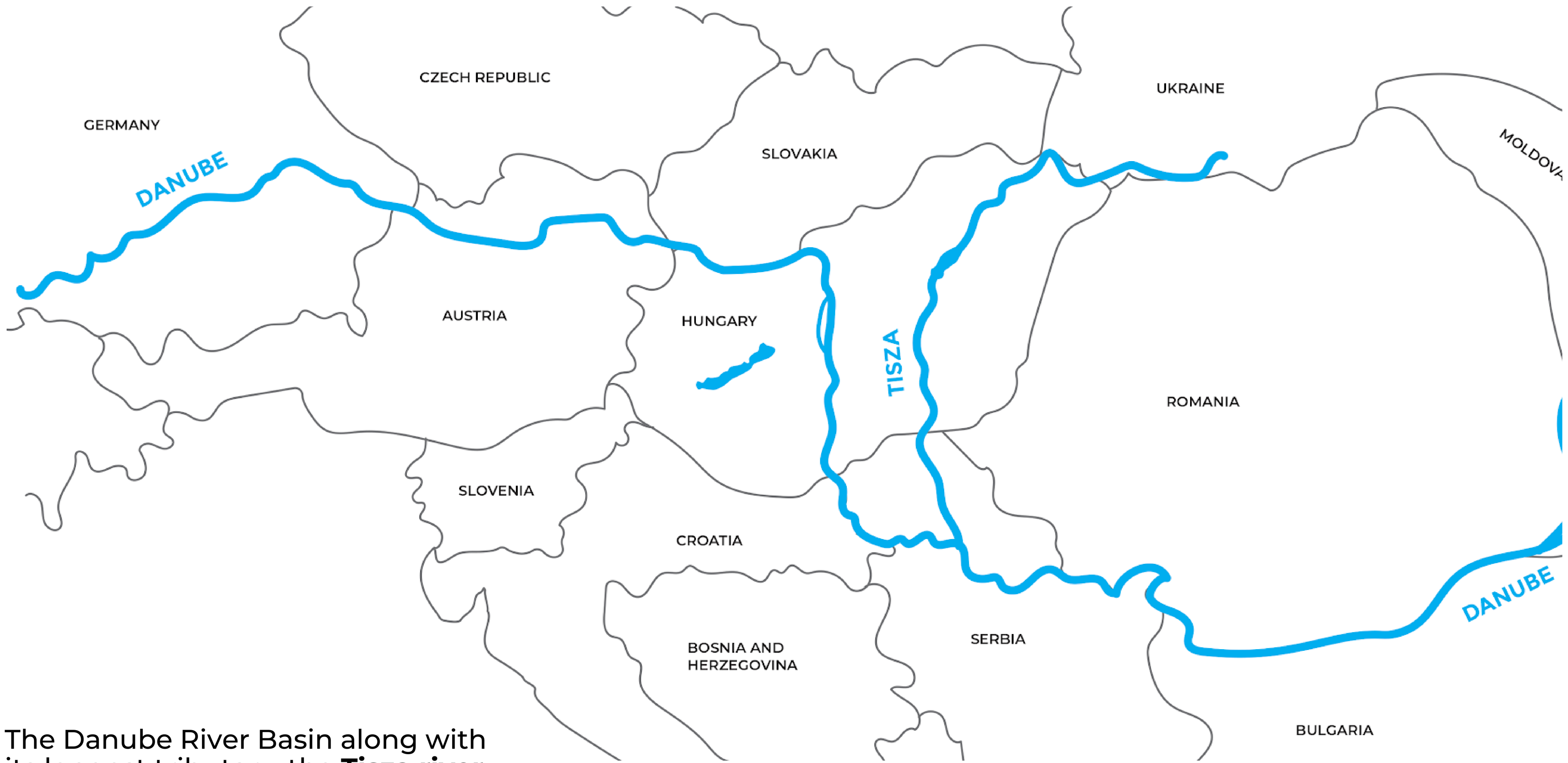


Improper Disposal  
115 Mt

Leakage  
44\* Mt



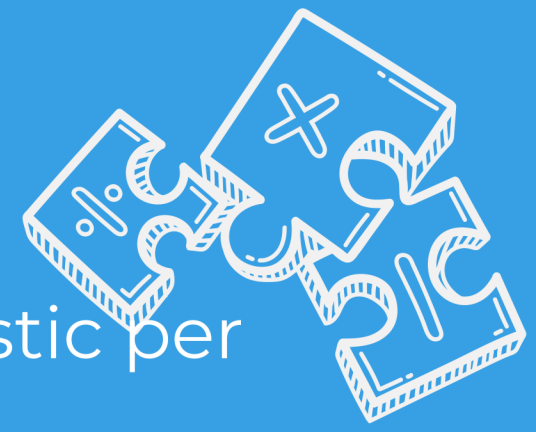
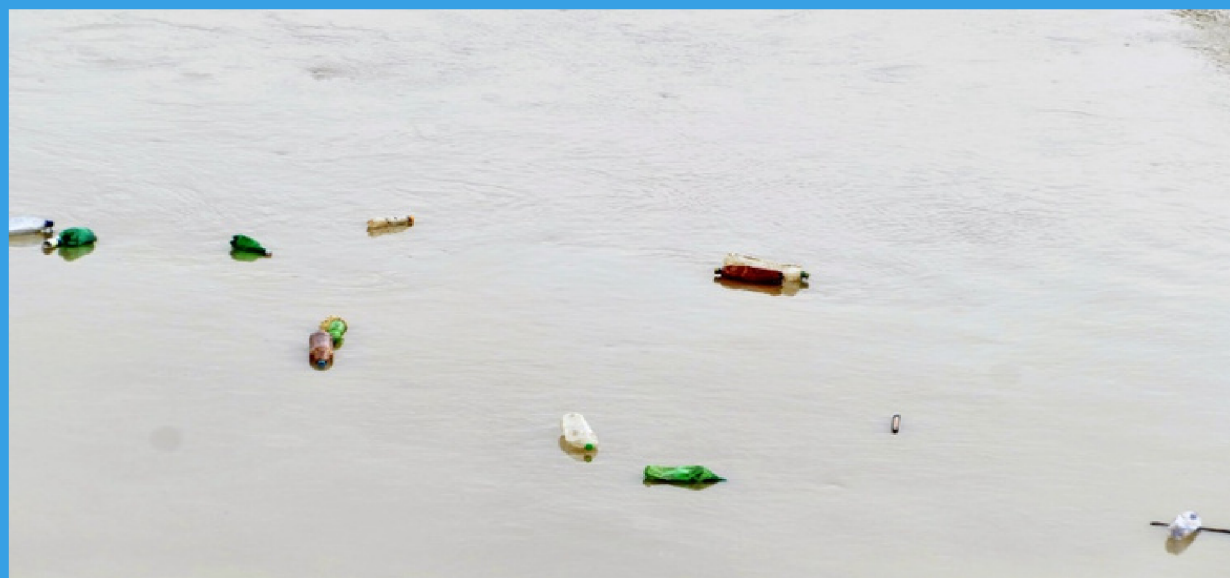




The Danube River Basin along with its longest tributary, the **Tisza river**. The Tisza River Basin is shared by 5 countries: Ukraine, Romania, Hungary, Slovakia and Serbia.

The Danube is the most international river in the world, 19 countries sharing its basin.





## PLASTIC MATH

- The Danube transports about **1500 tons** of plastic per year into the Black Sea
- Tisza is responsible for **250 tons/year** (16%) – **200** settlements have no access to sanitary services in Trc.
- Estimated amount of riverine litter in coastal acc. in Tisza basin: **1665 tons**
- Estimated unmanaged waste in Transcarpathia region: cca. **10.000 tons/year**
- Plastic Cup handles (PRC+CRC) around **70-100 tons/year** + prevent cca. **700 tons/year** with supporting MWM procedures (selective, reuse, education) in regions where waste collection is unresolved
- Diverting waste from nature to a circular economy is a





# Pollution at source



Standing on Latorica  
river (UA) - 2022  
@photo: Papilio



# Pollution on „road”

The 2017 plastic flood, combined with an unusually severe ice flood imported an unprecedented amount of riverine litter into the EU by the natural waterways of the Tisza River Basin.

@photo: Sándor Szabó





# Pollution after 500 rkm

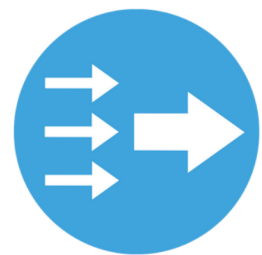
The moment of truth: The HPP of Kisköre. Thanks to the waste retention capacity of the HPP effective remediation and selection is feasible.

@photo: Plastic Cup





# Beyond plastic...



Lowland countries like Hungary face **international river pollution** events on a regular basis. The Tisza cyanide disaster in 2000 from Romania (left, photo by Zsolt Czeglédi, MTI) and the Slana river pollution wave in 2022 from Slovakia (photo by Marton Mohos) were significant. Other transnational **legacy pollution** cases affected rivers like Torna, Marcal, Rába, Danube (red mud alumina plant accident), the Somes and the Tisza river (cyanide catastrophe).



In the beginning, Plastic Cup was mostly known for its spectacular summer **plastic bottle boats**. The funny watercrafts are constructed from recycled waste and are an effective tool during **community river cleanups**. After Tisza, new boat races started on Bodrog, Mures, Danube and other rivers. @photos: Plastic Cup





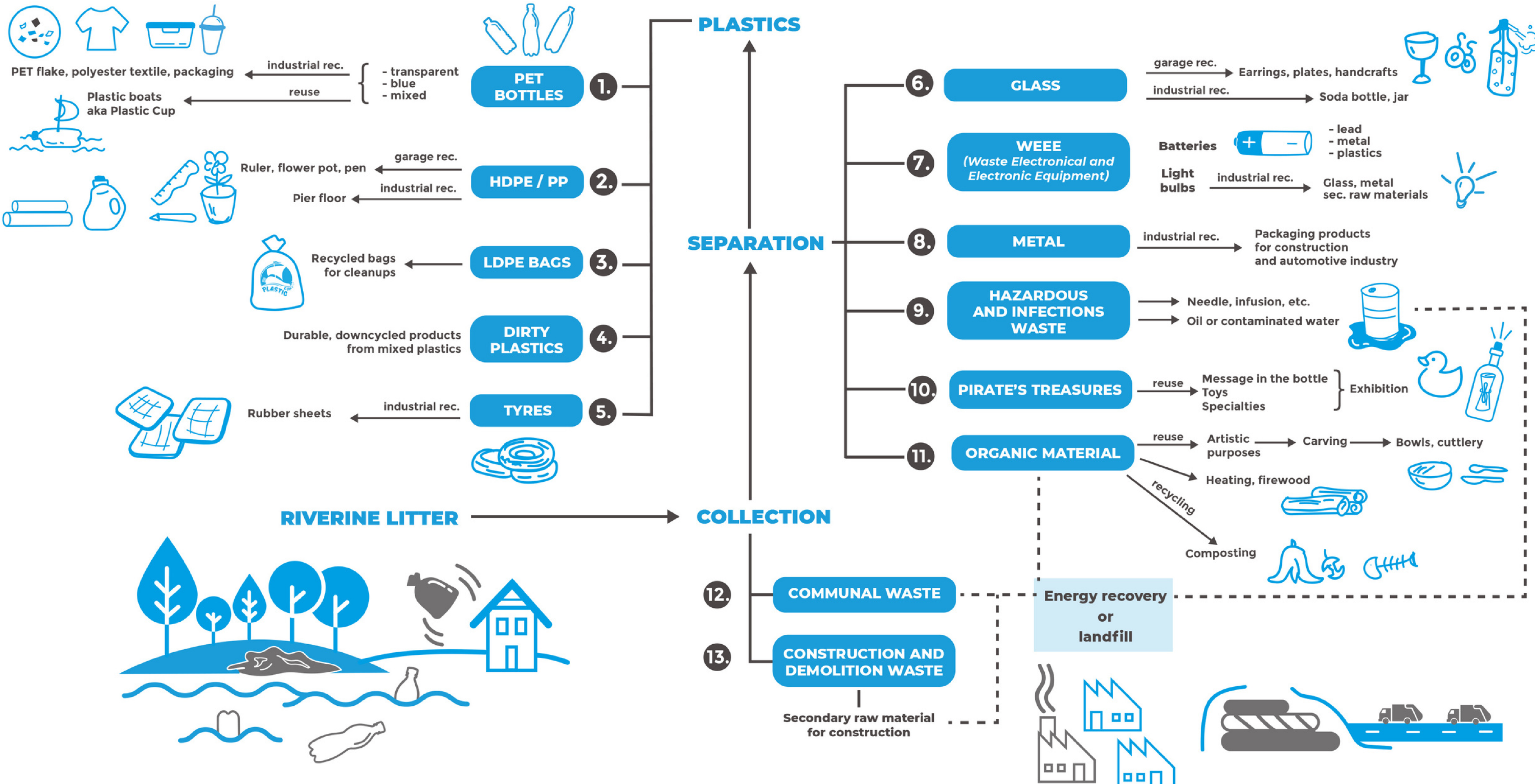






@photo: Plastic Cup





@source: Molnar et al.: Aquatic Plastic





367.000 kg

(+1580 tonnes with SWM)

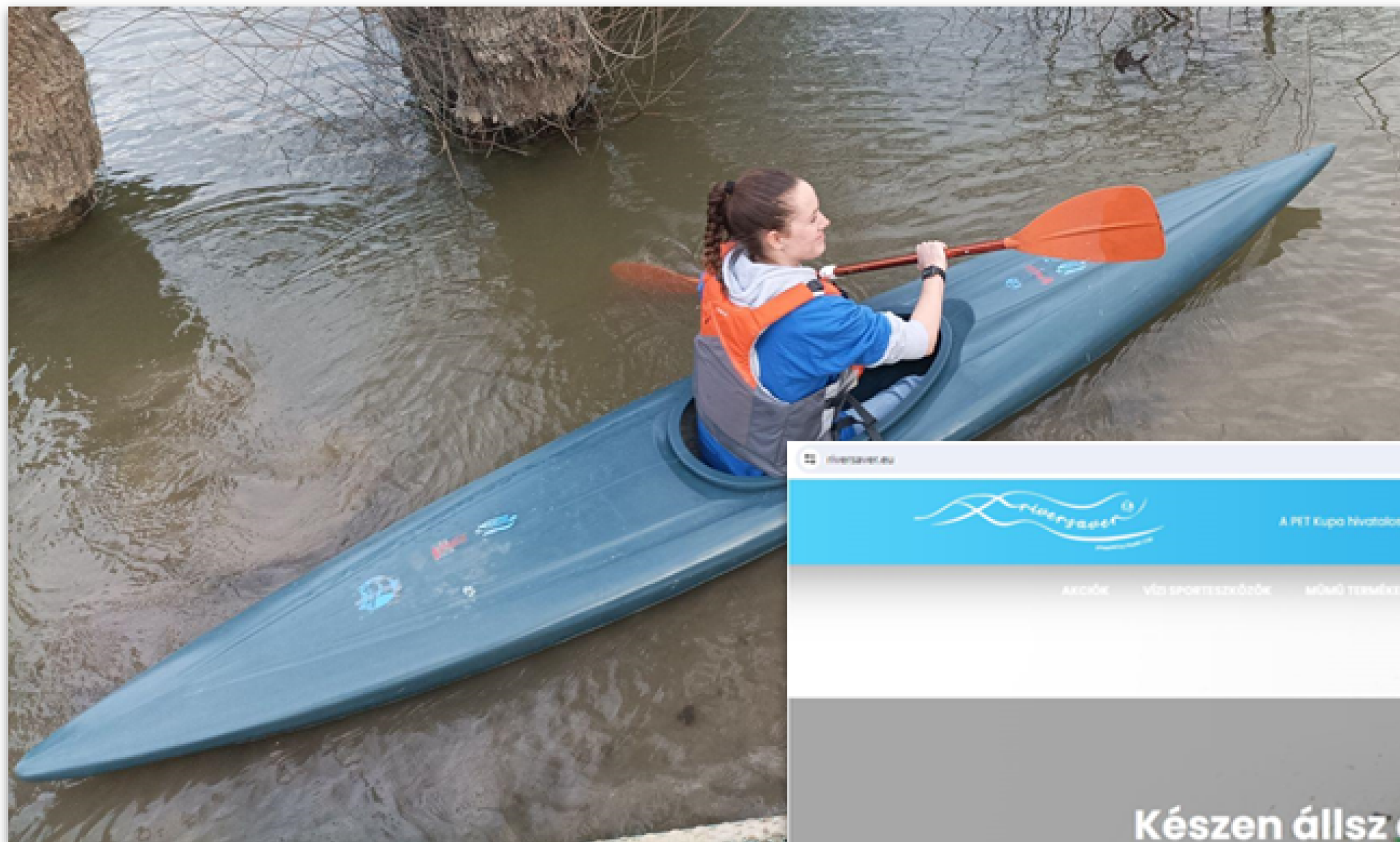
@MTI



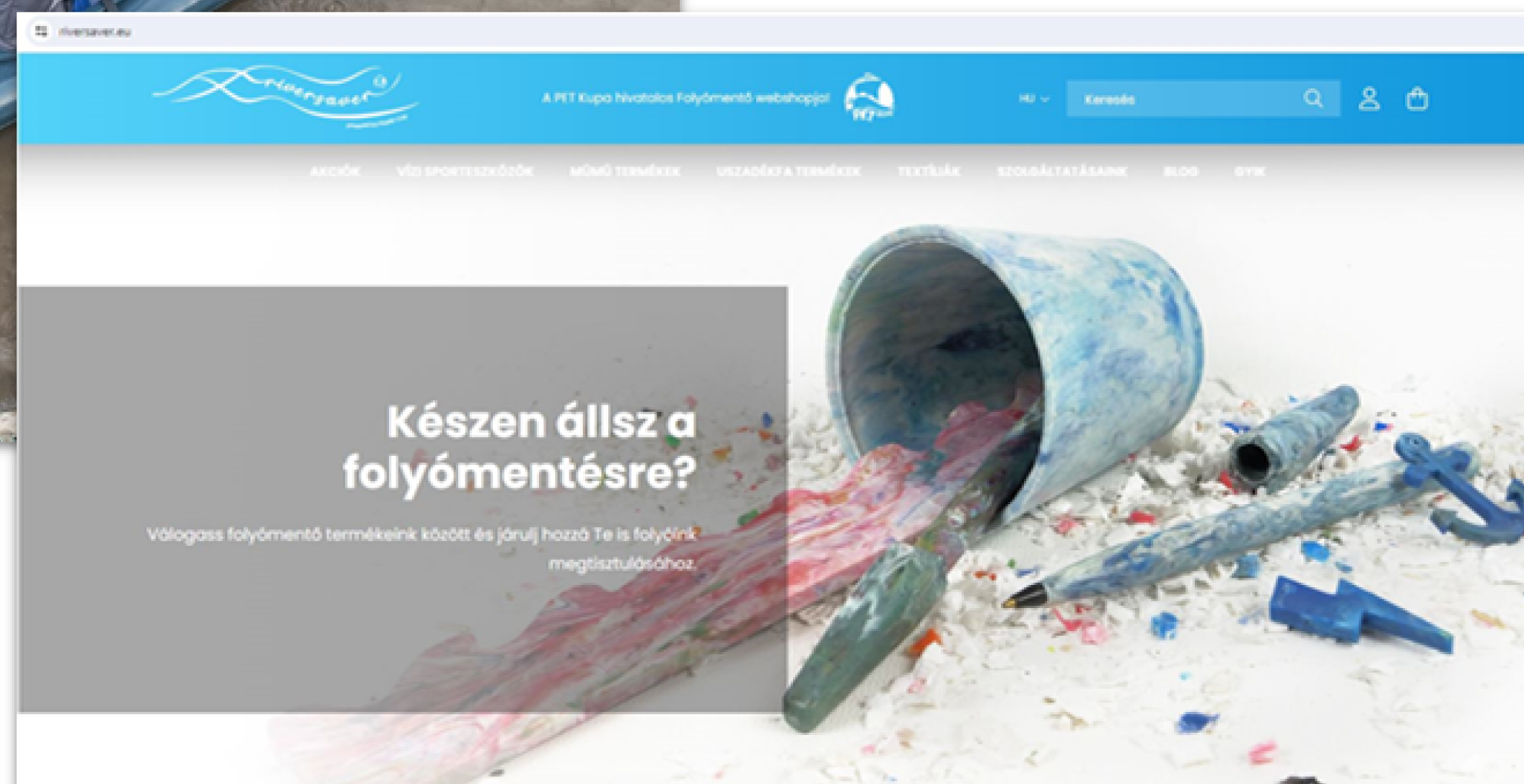


60%





[www.riversaver.eu](http://www.riversaver.eu)



**Aquatic Plastic** - an Interreg Danube Region Programme project co-funded by the European Union. [#aqpla](#), [#aquaticplastic](#)

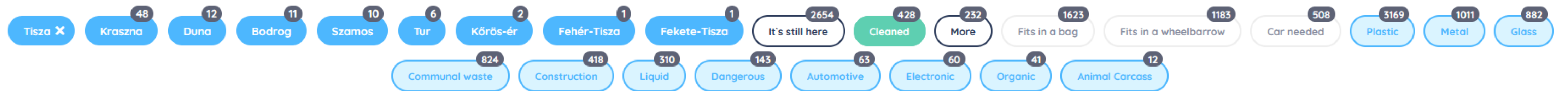
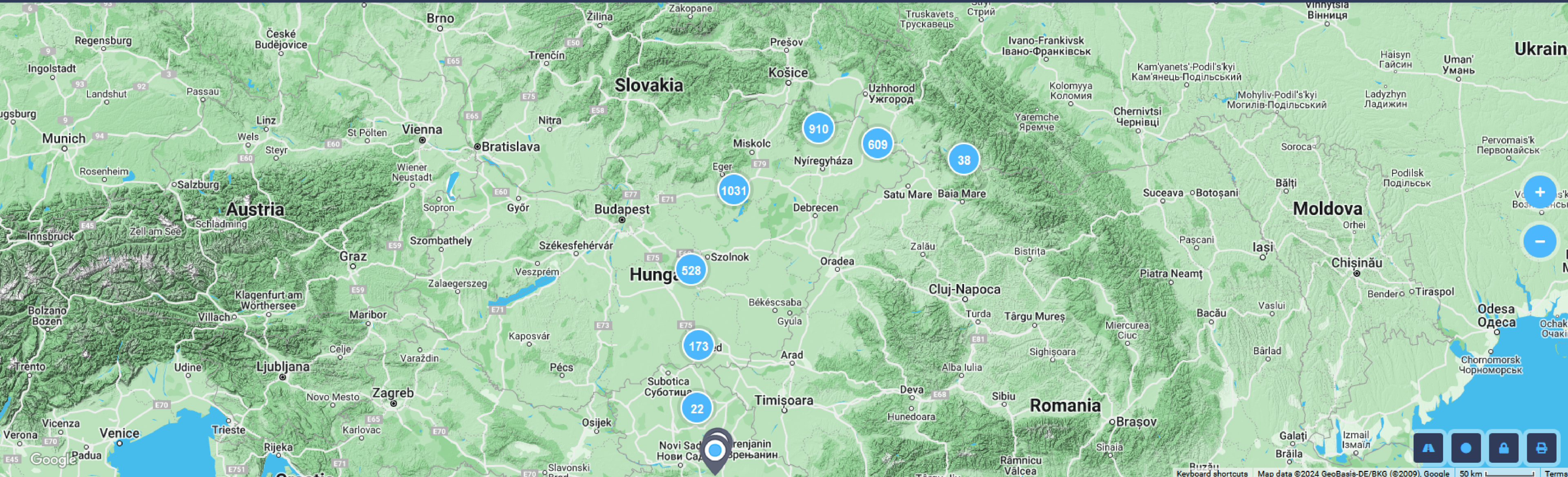


# Research



All countries ▾ Polluted areas Contacts Information

908 | Cleaned areas 6 238 | Reported dump



The beta version of the **Clean Tisza Map**. The online riverine litter pollution map covers the entire Tisza river in all 5 countries as well as several of the major Tisza tributaries like Somes or Bodrog rivers. The beta version is available at [www.tisztatiszaterkep.hu](http://www.tisztatiszaterkep.hu)





## DEMO - Web Application

### Description

The goal of our research is to develop an accurate classification method for plastic waste detection to provide a viable platform for repeatable, cost-effective and large-scale monitoring. Such a robust waste monitoring solution would speed up the detection of illegal waste hot-spots close to water flows and floating waste islands on rivers, as well as support waste collection actions with an automatic monitoring system. This application automatically searches for newly recorded satellite images and downloads them on a daily basis. After this a *Random Forest* model classifies the pictures and displays the results in the web view. You can check out the extension of polluted areas on the set locations in the previous five days when the cloud cover over them was 0%.

### Features

- **Location:** You can choose from four previously set locations: *Kisköre*, *Lake Călinești*, *Pusztazámor* and *Paxis*
- **Date:** It can be changed using the swipe. You can select from the last five most recent days when the cloud cover over the areas was 0%.
- **Colors:**
  - **Classified: Orange.** All pixels that were classified as plastic waste.
  - **Heatmap High: Red.** Pixels that were classified as plastic waste with a confidence of 90% or higher.
  - **Heatmap Medium: Yellow.** Pixels that were classified as plastic waste with a confidence between 80% and 90%.
  - **Heatmap Low: Green.** Pixels that were classified as plastic waste with a confidence below 80%.

### Publications

1. **Waste Detection and Change Analysis based on Multispectral Satellite Imagery**

Dávid Magyar, Máté Cserép, Zoltán Vincellér, Attila D. Molnár

Remote sensing hotspots, macroplastic deposits, and floating waste accumulations (jams) on Sentinel-2 and PLANETSCOPE satellite images. The initial results indicate that by analysing satellite images captured in the spring and summer months using four distinct wavelengths, it is possible to reliably detect floating plastic accumulations.

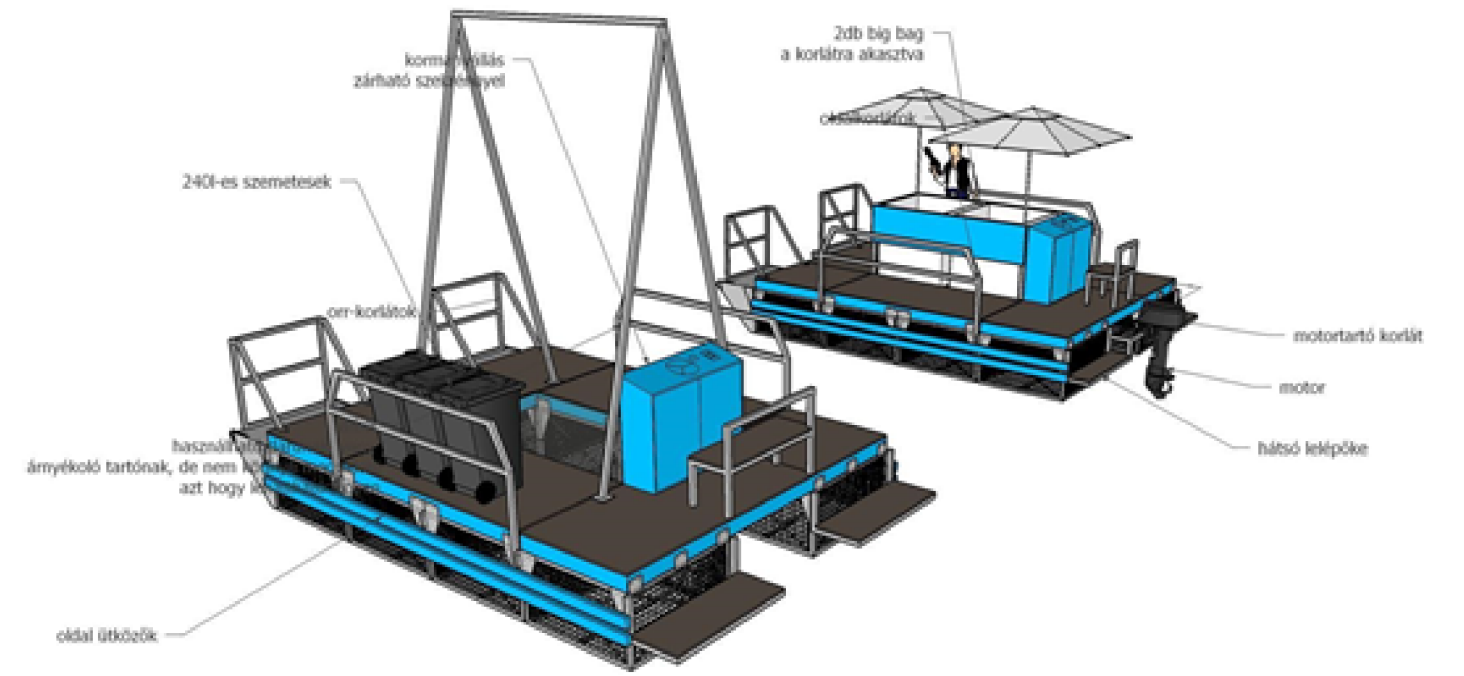


[Click here for interactive DEMO](#)



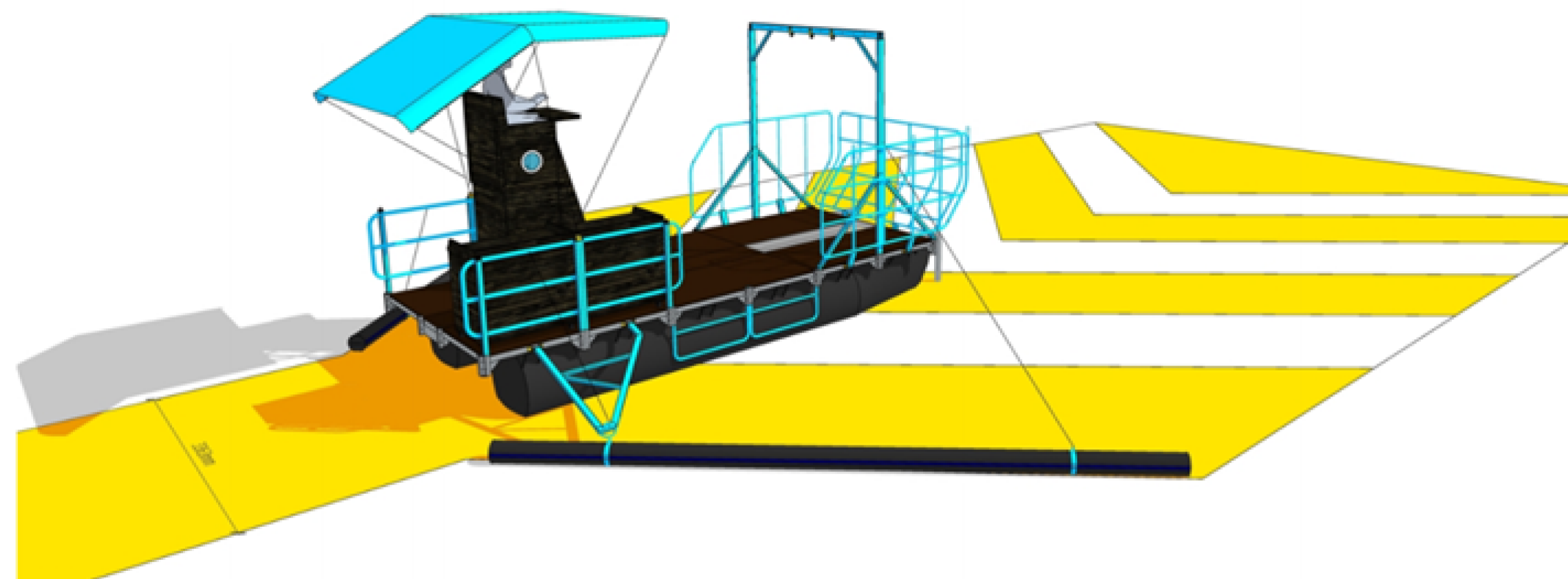
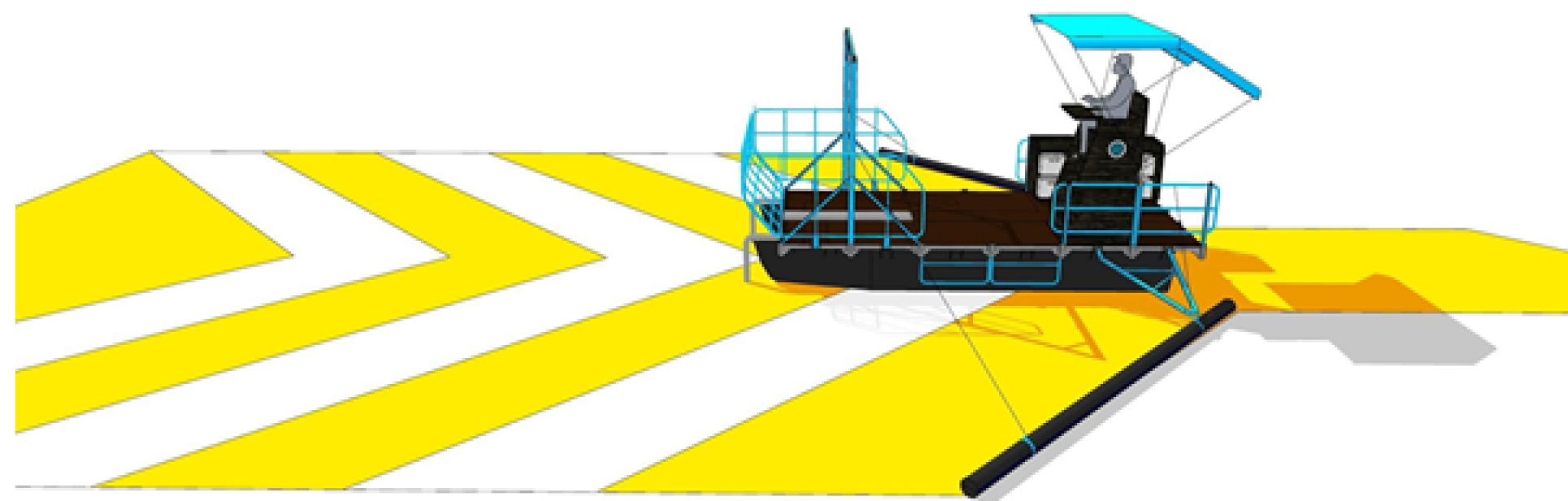
# Developing a fast-responding unit

Winter river cleanup action on the Bodrog with PETii.





Plastic Cup initiative workboat, the PETII with the River Litter Skimmers attached to her sides.



**Aquatic Plastic** - an Interreg Danube Region Programme project co-funded by the European Union. [#aqpla](#), [#aquaticplastic](#)





>40.000.000/y



hundreds of volunteers





## **II. Key findings and policy recommendations**



# Objectives of the Survey

- better understanding of the complexity of the pollution problem in the DRB
- foster changes in legislation to improve river water quality
- helpful input for ICPDR and the next update of the Danube River Basin MP

**INSPECT:** PP country's legislative background on environmental regulations

**MAP:** organisational structure of water & waste management organisations

**HIGHLIGHT:** possible inefficient regulatory practices

**EXPLORE:** competent organisations' decision mechanisms, existing „chains of command”, network and cooperation

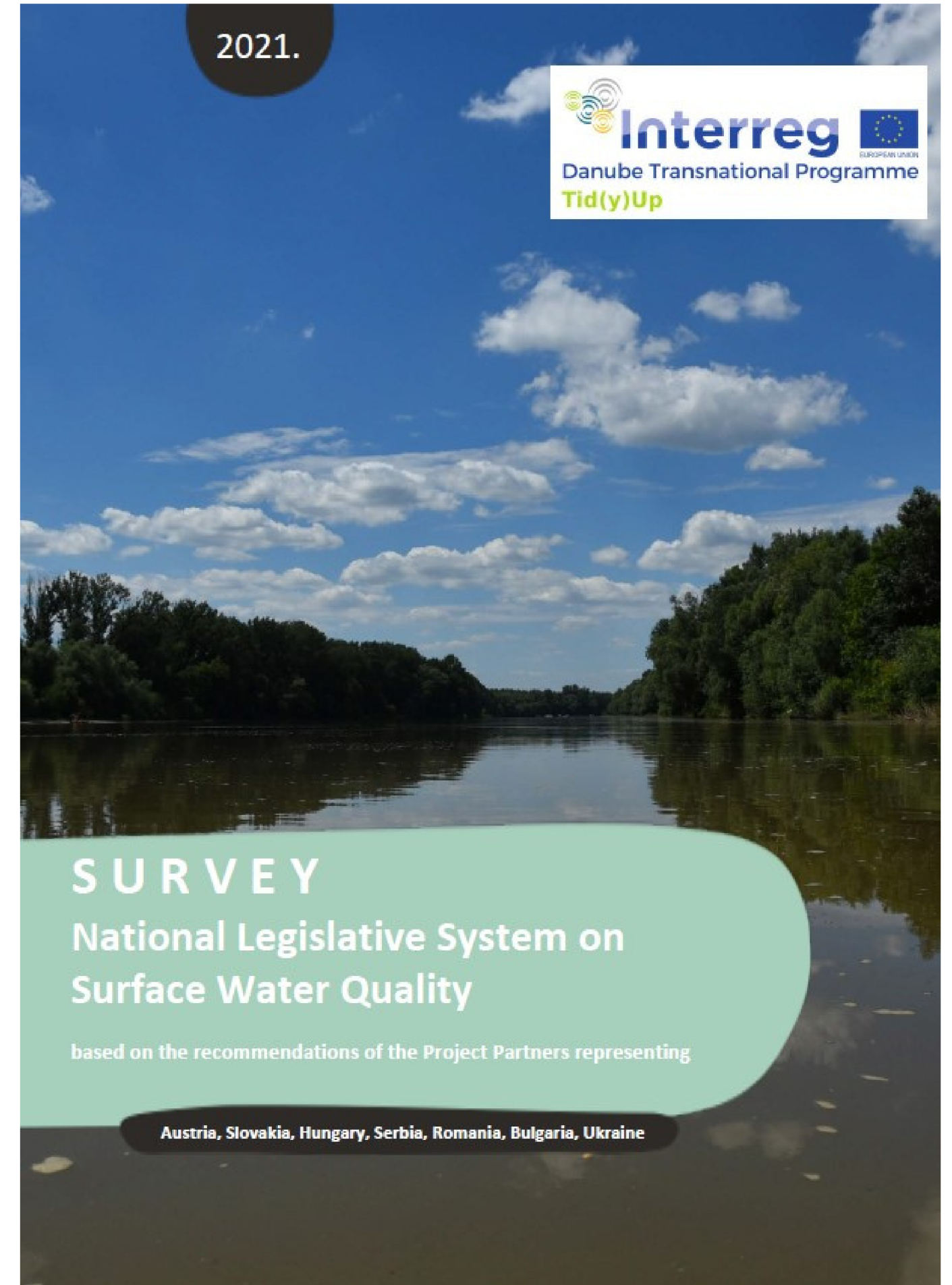
**ASSESS:** existing/missing industrial and communal waste collection systems

**RESEARCH:** legislative regulations reflecting the criminalisation level of public and industrial littering

**COLLECT:** best practices listed for possible adoption and recommendations formulated for improvement



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**ICPDR** IKSD

International Commission  
for the Protection  
of the Danube River

Internationale Kommission  
zum Schutz der Donau



Hungarian  
Association of Environmental  
Enterprises

This document is primarily intended to:

- **provide** strategic and legislative recommendations to all levels of legislation
- **offer** guidance on reducing plastic pollution
- **raise** awareness among stakeholders
- **facilitate** harmonised actions of water management authorities/directorates, and encourage communities and decision-makers to organise transnational actions
- **assist** non-EU members with knowledge and technology transfer
- **serve** UNEP CC, ICPDR and ISWA a comprehensive recommendation in the plastic treaty process

2024

FINAL REPORT

# Policy Guidance on Tackling Riverine Plastic Pollution in the Danube River Basin





# COMPLEX

- harmonised actions
- transboundary cooperations
- standard measurements
- prevention is a priority
- sound waste management
- strictly enforced regulation
- awareness-raising

Problem  
Solution





## **Policy tools and recommendations**

- enhancing transboundary negotiations, cross-border collaborations and intergovernmental treaties
- development of the enforcement infrastructure (licences, permits, standards, certifications)
- ecodesign: determines a product's lifecycle environmental impact (80%)
- regular review of legal regime to adapt (SUP)

## **Financial tools**

- environmental liability insurance for industrial activities
- dedicated state support and tenders: e.g. SUPERFUND (US)
- positive and negative incentives: taxes, fees, credits, refunds, bonds, like:  
[Contribution based on the amount of non-recycled plastic packaging waste](#)
- EU Taxonomy, ESG Directive: future support



## Service and infrastructure

- sound waste management is a **critical prerequisite**
- expansion of collection infrastructure
- optimisation of Extended Producer Responsibility (EPR) and DRS
- monitoring facility performances: Makkosjánosi (out of order since 2018)





## Capacity building

- necessary skills, knowledge and resources (mentoring experts, NGOs, ...)
- collaborations and partnerships among different sectors: symbiosis = shared capacities and services
- NGOs: weak but filling capacity gaps
- Tisza Roundtable: discussion and Co-Creation for Policy processes (CfPs)
  - periodic meetings became an international best practice
  - democratic advocacy
  - world café and opera method; trained facilitators
  - policy and strategy co-creation with multiple stakeholders
- encourage and support eco-innovation start-ups (pool of knowledge, labour market supply - green jobs, blue jobs)



## Water-management

- water and waste-water networks are in poor conditions
- missing wastewater treatment
- issue of plastic/municipal waste is not considered water pollution, as it does not affect the chemical status of water bodies (solved)
- artificial overhead cuts (HU): the cuts have made the development and maintenance of water infrastructure impossible
- existing water management infrastructure: the opportunity to interact (HPPs)

## National waste management practices

- Serbia: higher littering rates than recycling; lack of wastewater treatment
- Slovakia: illegal landfills → comprehensive legislation, enforcement; EPR
- Romania: industrial river pollutions; progress in control through local government
- Ukraine: missing infrastructure, no law enforcement; appropriate legal framework
- Hungary: Reorganisation, 35-year concession with a licensor: EPR, DRS is ongoing





## Organisational structure

- too complex institutional structures: uncertainty about involvement and responsibilities
- no dedicated ministry for the environment (HU)
- **weak NGOs: no capacity for advocacy or participating in European campaigns (EWWR, Zero Waste Day, no media access)**

## Monitoring Microplastics & Macroplastics

- **we can give valuable data, info and field experience for the ICPDR and the next DRBMP**
- pollution map
- tagging and tracking
- retention potential (HPP)
- remote sensing
- pilot actions for identification and monitoring of high-risk leakage points
- intervention methodology to prevent infiltration
- standardised MP sampling and analysis: cost-effective microplastic assessment methods, open access database and methodology to measure microplastic pollution in fluvial systems

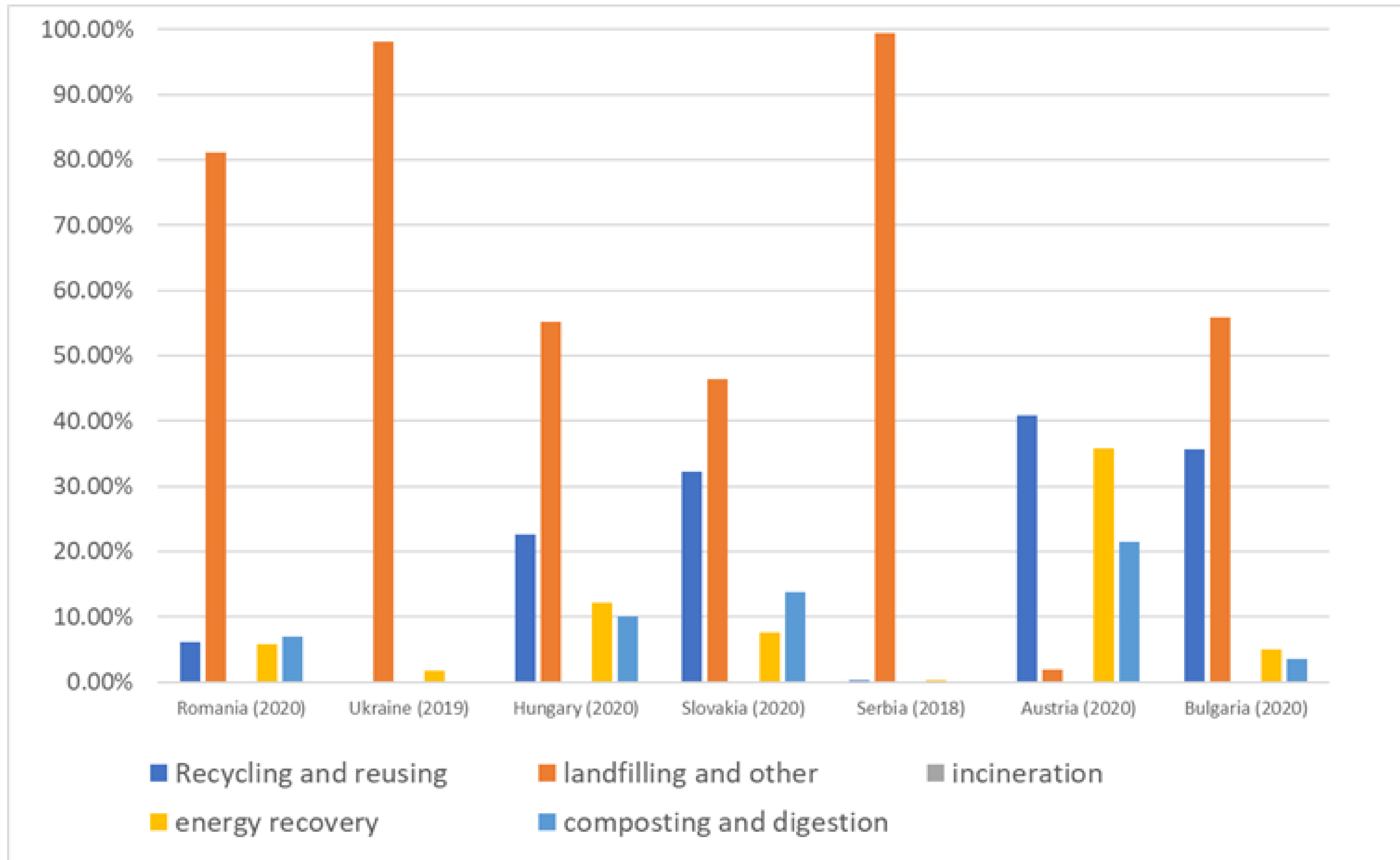


# Improper waste disposal

insufficient data due to a lack of monitoring and control mechanisms

“Some countries have no official waste data whatsoever, or this data may be incomplete or inaccurate.”  
UNEP: Global Waste Management Outlook  
2024

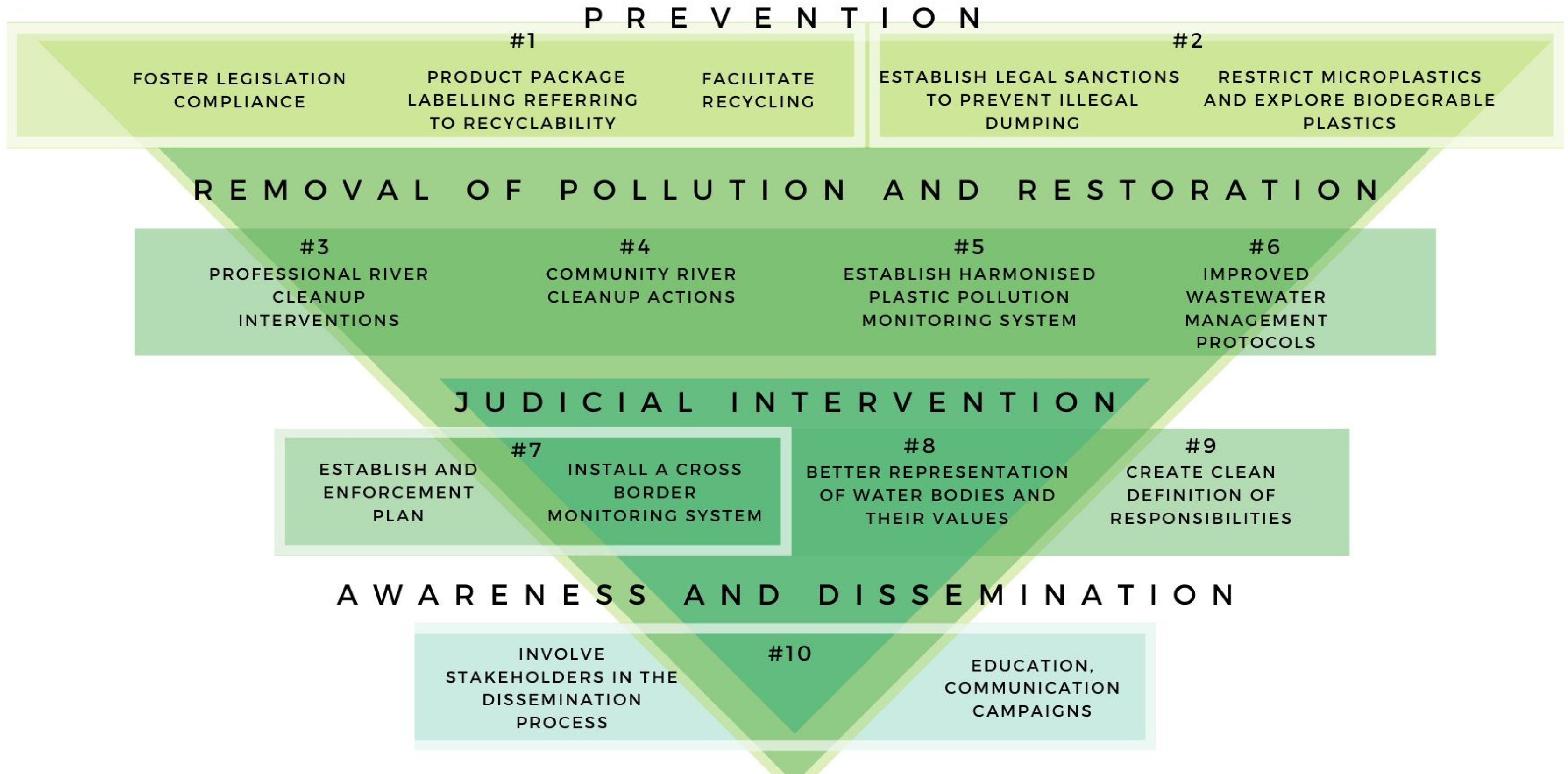
Percentage distribution of waste processing methods in relation to the total amount of treated waste in the Tisza Countries (+AU, +BG)





# TOP 10 Recommendations

Part A: Context  
**Part B: Strategy**  
Part C: Implementation





## Recommendations proposed regarding prevention

### 1. Foster compliance with existing legislation

- preventing the release of macro- and microplastics into the environment (regarding (EU) 2019/904 + (EU) 2020/2184): develop plastic/other waste collection
- **standardisation of packaging should be a priority**
- **PPWR is bringing new but ambitious challenges**
- setting additional requirements for product design (eco-design, reuse, right to repair)
- **stricter penalties AND ENFORCEMENT for improper disposal/littering (e.g. make police responsible for interacting)**
- updating and improving sectoral policies to ban single-use plastics
- **implementing and introducing a deposit scheme for PET bottles (EPR-systems also) to meet the EU's 90% collection target by 2029 (without derogation)**
- **mandatory labelling of product packaging designating the type of plastic to promote selective collection and recycling**



# Recommendations for Proper Treatment of Plastic Waste

## 2. Enhancing a legal framework for environmental violations

- mechanisms and instruments to identify, sanction and prevent illegal landfills
- restricting the release of microplastics and exploring the use of biodegradable plastics in product segments where releases to the environment cannot be avoided.

## 3. Professional river cleanup interventions (PRC)

- source: fundamental waste management problems
- **allocated budgets for interventions**
- mobile, versatile and temporary litter traps: considerate the environmental impact of the construction of permanent, large concrete structures. -it is recommended to carry out cost-benefit and environmental impact assessment before implementing physical barriers
- using existing water engineering structures (HPP)
- green jobs

@photo: Plastic Cup





**Diversion and  
extraction of riverine  
waste by the water  
authority's waste  
chain on the Upper  
Tisza**

@photo: FETIVIZIG





#### **4. Community River Cleanup actions (CRC)**

- reach a broad range of stakeholders and involve them in CRC
- highlighting the importance of CRC: it's not a one-day-show.. (read: Aquatic Plastic Handguide)
- 908 coastal riverine litter accumulations cleaned, managing 367 tonnes, 60% recycled
- volunteering, mentoring, greenjobs

#### **5. Establish a harmonised monitoring system for macro- and micro-pollution**

- standardisation of definitions and sampling, testing and assessment procedures
- monitoring system for emitters
- shared and comparable data
- Clean Tisza Map: [www.tisztatiszaterkep.hu](http://www.tisztatiszaterkep.hu)

#### **6. Improved wastewater management protocols**

- wastewater treatment plants: ensure reliable, safe disposal and proper treatment of wastewater
- using innovations, new technologies to remove and treat micro and macro-pollutants
- financial tools to implement plants in the Balkans



# Recommendation regarding legal consequences

## 7. Cross-border monitoring and alert system

- enforcement plan and cross-border monitoring system (early warning system) for river water pollution (plastic, municipal, hazardous, etc.).
- existing: Ukrainian-Hungarian system, Missing: Romanian-Hungarian system

## 8. Legal representation of natural entities

- to ensure adequate legal protection, water bodies (rivers, large lakes) and their natural values need better representation: „Rights of the rivers”
- by granting legal status to water bodies, these natural values and resources could be represented before public authorities and their legal status could help to enforce environmental protection better: e.g. Whanganui River in New Zealand, Mar Menor Lagoon in Spain.

## 9. Defining the problem

- a more precise definition of responsibilities for eliminating water pollution and managing collected waste is essential. Who is responsible for collection, recycling or disposal? And who bears the costs?
- budgets and resources must be allocated to clean up pollution and manage waste.



# Awareness-raising and dissemination

## 10. Environmental education programmes

Enhanced awareness-raising, education and communication campaigns involving stakeholders (decision makers, manufacturers, the general public, NGOs, etc.) and dissemination of methods, results and existing infrastructure (community compost points, reuse centers, repair network, recycling points, cleanups, etc).

@photo: Plastic Cup





tensive types of  
their way into  
this book will f  
form of water  
creasing infl  
mers, also



### 1.1 The migration of marine litter

Given that more than half of the human body (approx. 60%) is made up of water, sufficient freshwater resources are crucial to our survival. We depend on seas and oceans at least as much, still they are getting more and more polluted. The authors of this book are citizens of the European Union (EU) where the Water Framework Directive has been in force since 2000. It declares that **water** is not a commodity, but a universal legacy as such we have a duty to protect. According to this directive, member states must bring surface water bodies into 'good' by 2027.



An ambitious  
when multiple  
all aquatic ec  
change also  
threat, but  
other risk

# AQUATIC PLASTIC

## THE TRANSNATIONAL RIVER CLEANUP HANDGUIDE



At locations like this in Vashyva, Transcarpathia, mistreated waste is deposited by its owner and so it exits the legal waste management system and enters the natural environment.

Coastal hotspot near Rakhyiv, Transcarpathia, Ukraine.



In the first volume of the book series 'Aquatic Plastic' Tid(y)Up partners collected their knowledge about how best to implement river cleanup actions.



# The Waste Reduction Toolkit and the recommendations to plastic-free riversides is ready to use in 5 languages

## COMPOST

**COMPOSTABLE MATERIALS:**

From the kitchen and the household:

- potting soil
- decayed flower
- withered leaves of houseplants
- wool, cotton and linen (cut into small pieces)
- farmyard and poultry manure
- straw, dried branches, twigs, dried annuals, twigs, fallen fruits

Do not put into the compost:

- plastic
- vacuum cleaner bag
- cat litter
- dog waste

### PLASTIC AND METAL

clean foils found in households (pouches, bags, wrapping foils)

PET, soda, and water bottles

rinsed bottles used in your household and their caps separately (e.g.: shampoo, body wash)

household metal waste (e.g.: cutlery)

Tin cans (soda cans, food cans)

**USEFUL TIPS!**  
The separation of plastic and metal waste happens afterwards at sorting shops. Trample the plastic bottles and tin cans flat, so they use up less space!

Keep the valuable materials in circulation!  
Everyday items (e.g. benches, parts, composters) are made out of plastic and metal waste in Hungary!

**PLEASE DO NOT THROW** in greasy bottles, toothbrushes, cassettes, CD/DVD discs!



# FOR A CLEANER ENVIRONMENT! 9R

With the help of the „9R“ we can think over what we can do ourselves, what we need to look out for in order to reduce the contents of our bins and thus our ecological footprint.

- 1. RETHINK!**  
THERE IS ALWAYS AN OTHER, BETTER SOLUTION TO A PROBLEM.
- 2. REFUSE!**  
YOU DO NOT HAVE TO ACCEPT, WHAT YOU DO NOT AGREE WITH.
- 3. REDUCE!**  
USE LESS MATERIAL, OBJECT,
- 4. REPLACE!**  
CHANGE FROM A PRODUCT OR SERVICE TO A MORE ENVIRONMENTALLY FRIENDLY, LOW-IMPACT SOLUTION!
- 5. REUSE!**  
WITH A LITTLE CREATIVITY YOU CAN USE THINGS, YOU NO LONGER NEED.
- 6. REPAIR!**  
WITH A LITTLE COOPERATION, INTEREST AND FREE TIME, LOTS OF THINGS COULD BE FIXED.
- 7. ROT!**  
COMPOST, COLLECT SEPARATELY AND MAKE IT USEFUL ON THE SPOT!
- 8. RECYCLE!**  
COLLECT YOUR TRASH SEPARATELY AND RECYCLE IT!
- 9. RE-ACT!**  
DON'T PASS BY ENVIRONMENTAL SOLUTION WITHOUT A WORD!

2021.

**Interreg** Danube Transnational Programme  
Tid(y)Up

## GUIDE FOR WASTE AND ECOLOGICAL FOOTPRINT REDUCTION

Hungarian Association of Environmental Enterprises

The project is co-financed by the European Union Funds (ERDF, IPA, ENI) in frame of the Danube Transnational Programme with the financial contribution of partner states and institutions.  
Hungarian Association of Environmental Enterprises





**FLEX on the road. The mobile and modular exhibition visited Bulgaria, Slovakia, Serbia, Romania and doing so reached thousands of kids teaching them to the basics of River Lit(t)eracy.**  
@photo: Plastic Cup







### **III. Best practice in Transcarpathia**



- 2022: The first year when prevention surpassed cleanups and end-of-pipe solutions
- tech-support is a gamechanger
- recovery fund, tax income
- population growth by 10-15%
- 400 companies settled



Win election with selection  
Turia Bystra (Turjasebes)





<https://youtu.be/Tx1kSjq4OIQ>



<https://youtu.be/TRzCWhHTICc?si=F8AJjLZITc0dkl6j>





The **Call-Action** project, funded by Diageo company in 2022, aims to support separate waste collection and improve waste management in Transcarpathia, Ukraine. The 2-year initiative seeks to improve the living conditions of at least 120,000 people living along the Tisza by bringing tonnes of valuable separate waste back into the recycle loop and creating employment opportunities in the region. **The project has collected and managed 1182 tonnes of waste.** The initiative has increased waste collection capacity in Uzhhorod and Beregovo. Furthermore, more waste collection points will be installed in schools and community institutions, involving over 21 municipalities, 29 schools, and 61,800 residents and students: <https://callaction.com.ua/en>

In 2019, Coca-Cola Foundation began supporting the cleaning of the Tisza River, as they view reducing, collecting, and recycling packaging materials as a matter of great concern. The **Zero Waste Tisza Project** allowed them to expand their participation and spread their activities to other areas. Their financial support provides an opportunity for Plastic CUP and water authority experts to organise more frequent and diverse actions. Due to the project's remarkable success, the third phase of the Zero Waste Tisza Project will be launched at the beginning of 2023.





## **IV. Regional project proposal**



## Follow-up activities

- **The Aquatic Plastic is approved and starts 1 January 2024 (30 months).**

11 countries, 32 partners: Initiating bottom-up management solutions to reduce plastic waste in the Danube Basin

Cost-effective quantification of microplastic contamination and macroplastic accumulations at H

Targeting and managing temporarily halted riverine litter accumulations

Empowering human resources to fight against water pollution in the Danube River Basin



- The **Styx Initiative** was a promising project application in the Horizon Europe programme. Its main strategic objectives were to prevent the formation of riverine litter accumulations through effective monitoring of macroplastics and microplastics in European rivers.
- The **DALIA (Danube Region Water Lighthouse Action)** project is a collaboration of 22 expert organisations. The project aims to bring an integrated DALIA tool to the DRB, which will be integrated into the Danube Mission Hub for better decision-making and to improve the restoration of fresh and transitional water ecosystems.
- **Plastic CUP** is a grassroots social innovation led by Plastic Cup Society, which organises annual international river cleanup events, team-building activities, and awareness-raising initiatives. The active involvement of volunteers has been instrumental in the success of the Plastic CUP initiative and the sustained motivation of regional communities.
- **River Lit(t)eracy** is a continuation of the 5 countries 1 river Erasmus+ project that was implemented in the Tisza River Basin. The project's goal is to adopt best practices from around the world, such as the Ocean Literacy principles, to educate and raise awareness among the public about river and plastic pollution.





**ALLIANCE  
TO END  
PLASTIC  
WASTE** 



**Hungarian  
Association of Environmental  
Enterprises**



International Commission  
for the Protection  
of the Danube River  
Internationale Kommission  
zum Schutz der Donau

## 1. **Use the existing network and infrastructure:**

- Plastic Treaty process
- CRC actions, selection, recycling
- Riversaver training starts soon!
- ISWA Regional Chapter for SE Europe
- ICPDR expert groups

## 2. **Give a strong boost to the processes that have been set in motion:**

- Transboundary negotiations, Roundtable co-creation
- Financing PRC actions to prevent further pollution
- Budget for fast-response unit, pilot action at Drina
- Research: remote-sensing, high-risk leakage zones, providing reliable data

## 3. **Support new dimensions:**

- Technology transfer for UA and West Balkan countries
- 9R in West Balkan countries
- Country reports, EU-compatible landfills, reuse and recycling centers
- closing and remediating dumpsites
- flagship actions to reach critical mass

...and more!!!



What's missing and other bottlenecks:

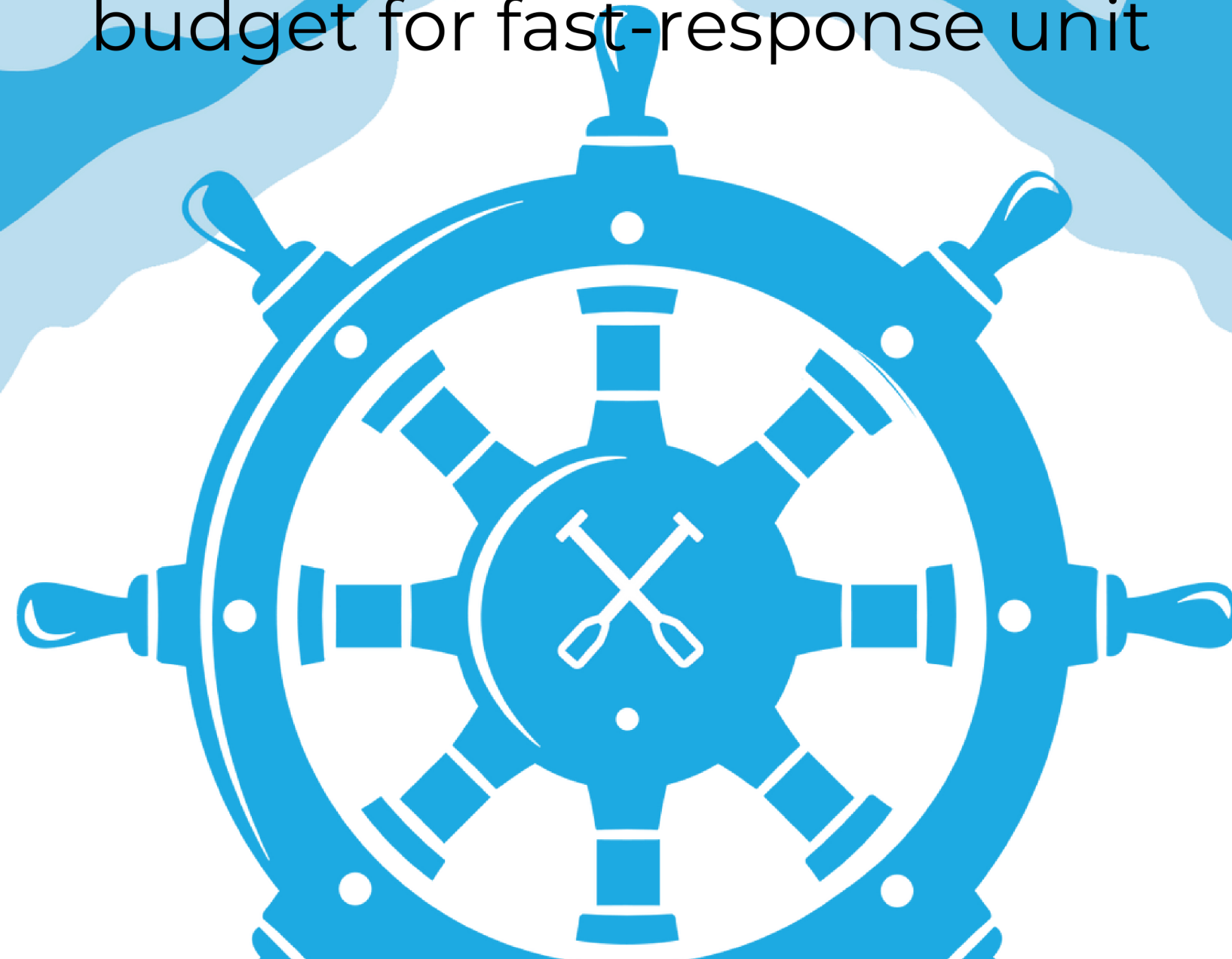
international attention

human resource/budget for salary

support for RDI

regional coordinators in West Balkan

budget for fast-response unit





**JOIN US IN OCTOBER!**

**ENVIRONTEC**  
powered by **ÖKOINDUSTRIA**

1<sup>st</sup> International Trade Exhibition for Environmental  
Technology, Waste, Water and Sustainability

**1-3 October 2024**

**GL events** **hungexpo**



**A new trade fair for the environmental sector will be organised in Budapest in October powered by HAAE's ÖKOINDUSTRIA trade fair (since 2009) concept.**

ENVIRONTEC powered by Ökoindustria covers the trade fair topics of water technology, wastewater treatment, waste management, recycling and infrastructure, with a particular focus on municipal and urban issues, energy efficiency, renewable energy. Other neighboring markets can also be easily accessed from Hungary. ENVIRONTEC will be organised during the **EU presidency held by Hungary** attracting visitors from Europe's leading economic, scientific and political organisations.

ENVIRONTEC powered by Ökoindustria brings together exhibitors with high-caliber industry representatives from business, politics and science, from private companies to small municipalities, local authorities and large cities. **A new platform is being created in Budapest that will enable export-oriented companies to make numerous business contacts with Hungary and neighboring countries over the three days of the trade fair.**

**Exhibitor application is open! [www.environtec.hu/en](http://www.environtec.hu/en)**



**ENVIRONTEC will be organised during the EU presidency held by Hungary.**

- **1 October: What lies ahead? Climate change, adaptation/mitigation, air quality**
- **2 October: RE-BROWN Remediation and brownfield management**
- **3 October: Circular economy, waste management - Prevention, reuse, recovery**





# Thank you for your attention!



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