

# Waste pollution in the Danube River Basin

Kálmán Szanyi

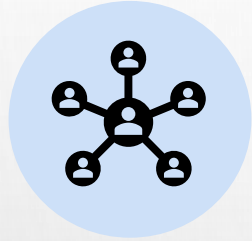
For the Nature- and Environmental Protection - PAPILIO

Velyka Dobron, Ukraine

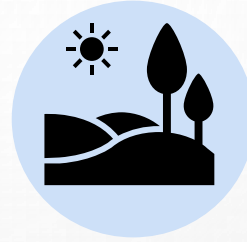
12th Annual Forum of the EU Strategy for the  
Danube Region  
Brdo  
25th of October



# For the Nature - and Environmental Protection - PAPILIO



A non-profit organisation



Works in Transcarpathia, Ukraine



Founded in 2014 by young scientists



# Main Aims of the Association



To learn and spread the natural resources and folk traditions of Transcarpathia



To plan, manage and implement theoretical and practical ecological research.



To spread the ecological attitude on various events and in written materials.



To provide environmental and ecological education on the Transcarpathian educational institutions.



To plan and implement various camps, awareness-raising events, roundtables on environmental and nature protection.



To develop environmentally friendly forest and grassland management.















# Tid(y)Up Danube Interreg Project

- 07.2020-12.2022
- 7 countries, 10 partners



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

## Tid(y)Up

F(OL)LOW THE PLASTIC FROM SOURCE TO THE SEA

**AUSTRIA**  
micro and macroplastic research, waste management prevention (BOKU)

**HUNGARY**  
project coordination, communication, river monitoring, networking, cleanups (THU, HÁEE, ÖVF)

**SLOVAKIA**  
regional dissemination, awareness raising, local and sectoral inclusion, regional development (ASRD)

**UKRAINE**  
education, cross-sectoral cooperation, prevention and elimination of water pollution and contamination (PAP, ARR TR)

**SERBIA**  
material flow analysis, biosystem engineering, sustainable waste management, cleanups (UNS)

**ROMANIA**  
training, field studies, securing cleanups, diving (MULTISALVA)

**BULGARIA**  
marine environmental monitoring, marine ecology and litter research, environmental monitoring, cleanups (IO-BAS)

Tid(y)Up project is focusing on the improvement of water quality and reduction of plastic pollution of the Tisza river - the Danube's main tributary - from its source to the Black Sea. The novelty of the project is that it provides tools, data and the assessment of various used methodology for understanding of the sources, nature and risks of contamination flows, and delivers practical examples of possible actions and legislative solutions both on local and transnational level.  
Tid(y)Up: a Tisza-Danube integrated action plan to eliminate plastic pollution of rivers.

[WWW.INTERREG-DANUBE.EU/APPROVED-PROJECTS/TID-Y-UP](http://WWW.INTERREG-DANUBE.EU/APPROVED-PROJECTS/TID-Y-UP)

Project co-funded by European Union funds (ERDF, IPA, ENI) with the financial contribution of partner states and institutions.

#interregtidyup #dtptidyup



# AQUATIC PLASTIC

The transnational river cleanup handguide



2021.



## SURVEY

National Legislative System on Surface Water Quality

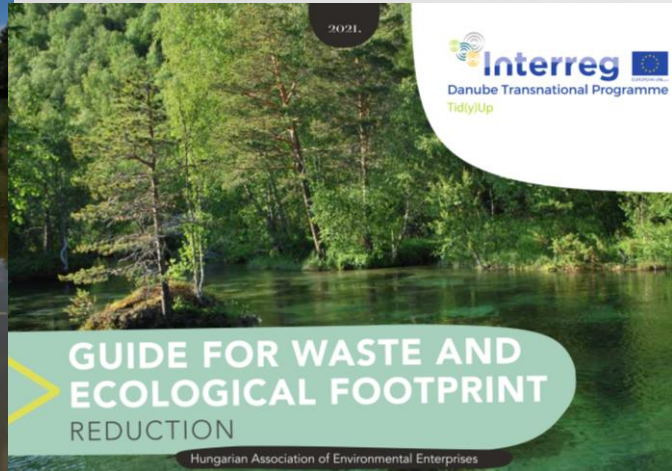
based on the recommendations of the Project Partners representing

Austria, Slovakia, Hungary, Serbia, Romania, Bulgaria, Ukraine



Illustrated Joint Protocol for Plastic Waste Monitoring in and along rivers

- 🕒 Waste reduction toolkit materials
- 🕒 Waste reduction workshops/forums
- 🕒 Awareness raising movie
- 🕒 Hotspot localisation database/pollution map
- 🕒 Pilot actions
- 🕒 Floating exhibition (FLEX)
- 🕒 Joint protocol for plastic waste monitoring
- 🕒 Transnational River Cleanup handguide
- 🕒 Policy guidance on managing plastic pollution in the DRB



## GUIDE FOR WASTE AND ECOLOGICAL FOOTPRINT REDUCTION

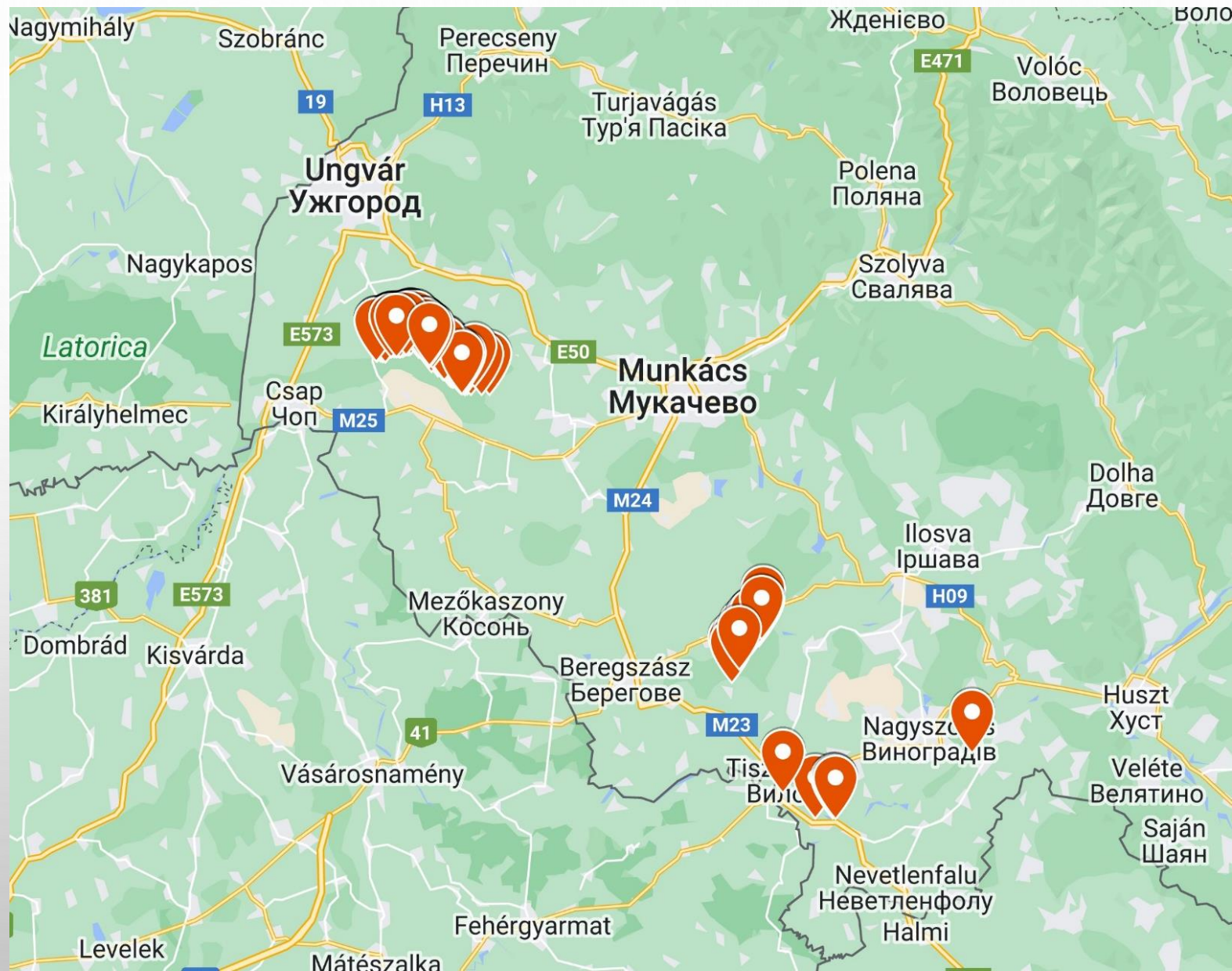
Hungarian Association of Environmental Enterprises





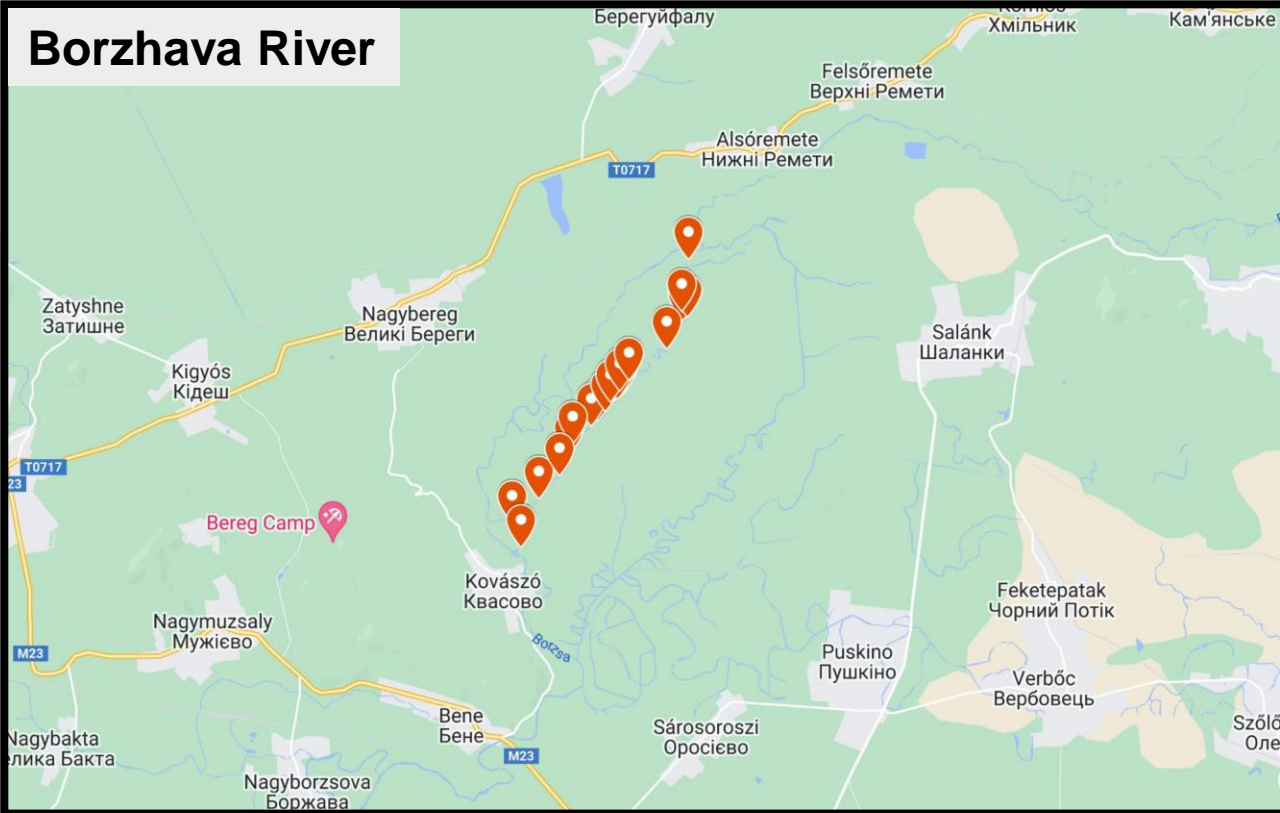
# Hotspot localisation activity

- More than 100 riverine kilometres
- 141 recorded polluted points
- 3 watercourses:
  - Tisza River
  - Latorica River
  - Borzhava River

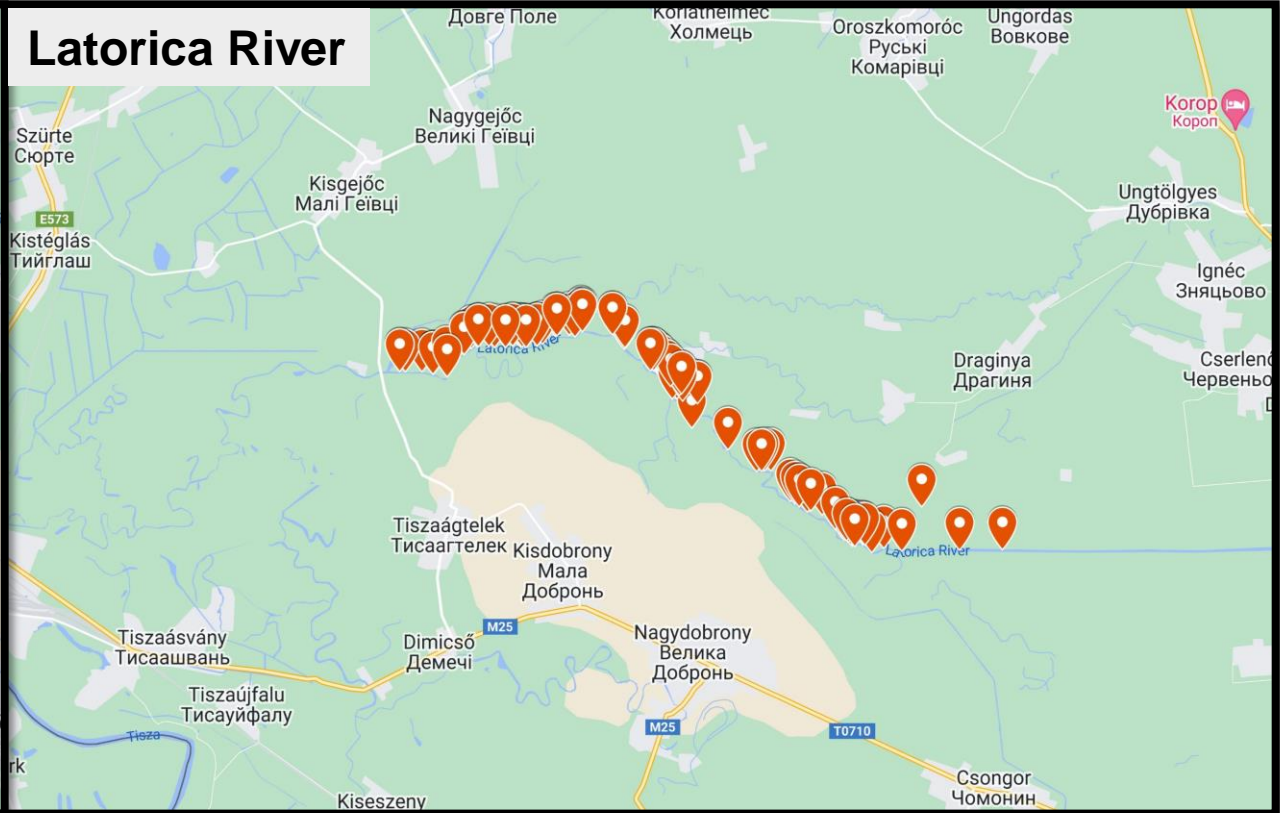




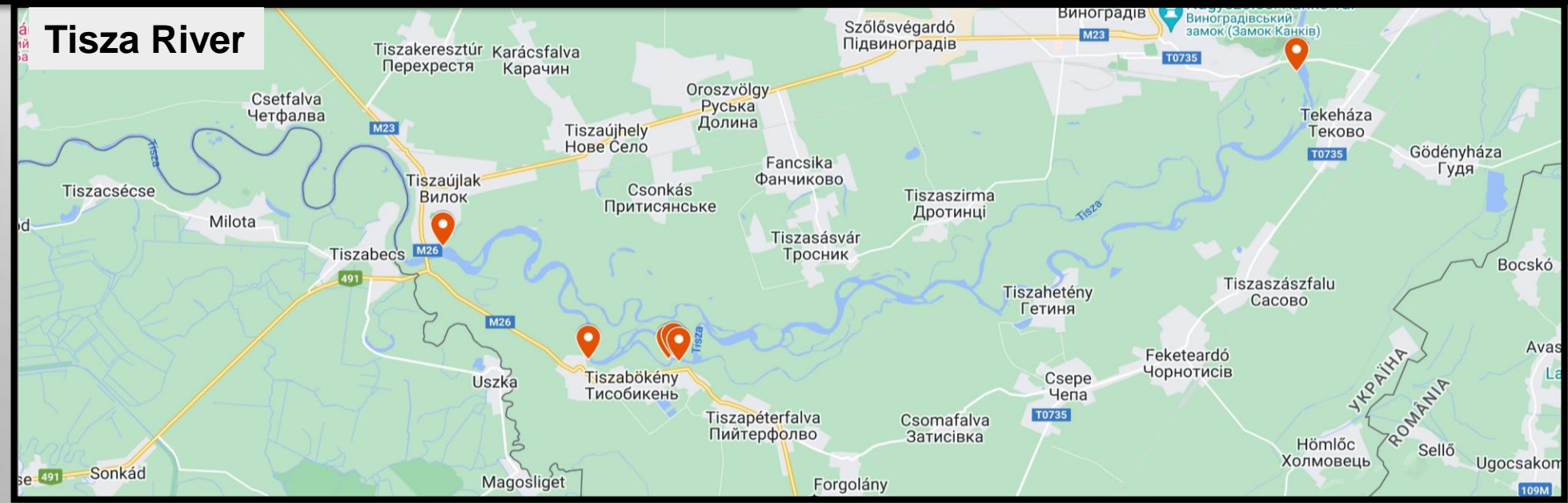
# Borzhava River



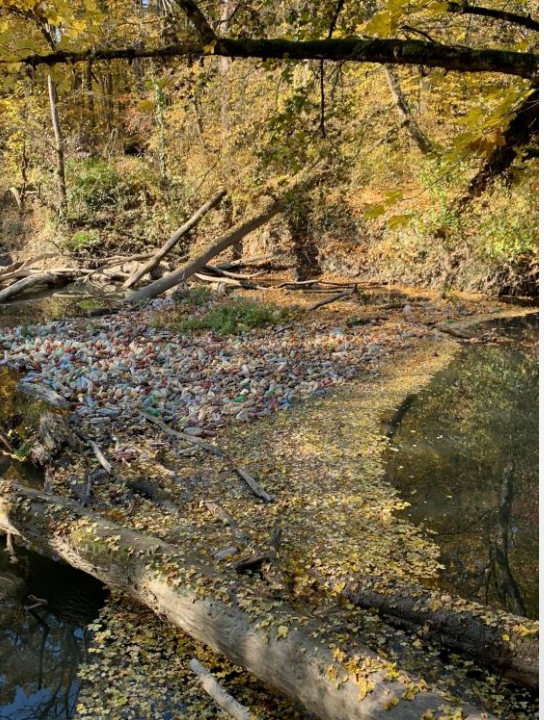
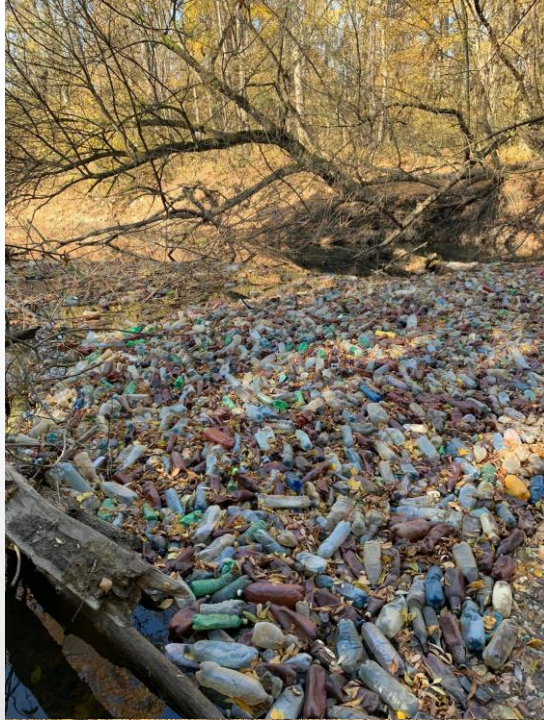
# Latorica River



# Tisza River



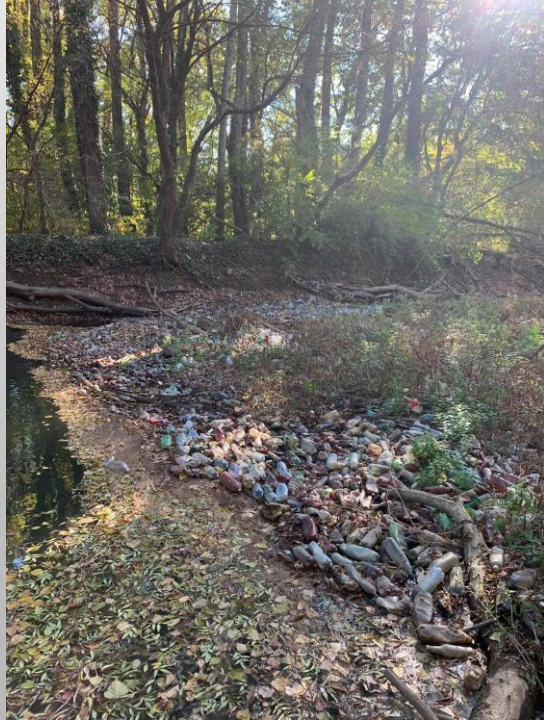








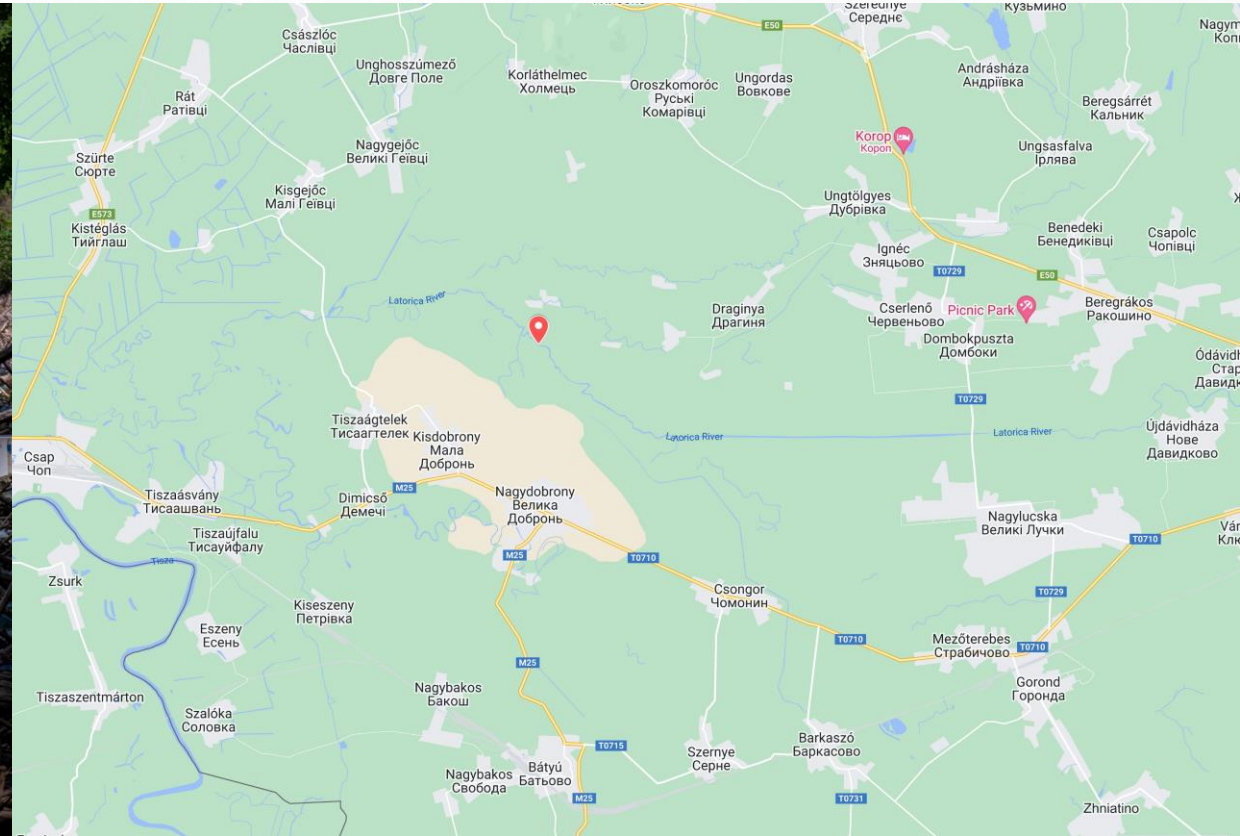






# Clean-Up Activity

Selected hotspot on the Latorica river



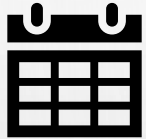
300 m long waste dam  
Serious damage on the aquatic ecosystem  
Especially on the fish fauna



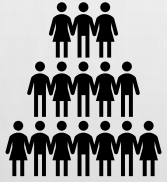
**Ecological problem**



# Clean-Up Action



Three-day event between 13th and 15th of May, 2022



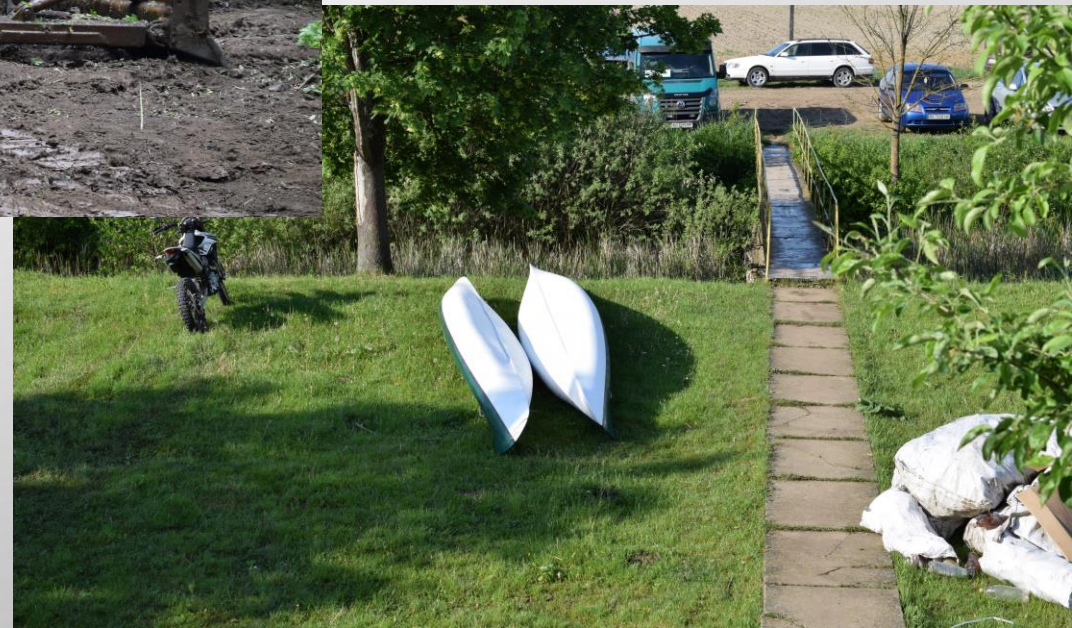
79 participants



More than 3 tons of waste were collected





















# Further actions

- 17th of September, 2022
- 29th of September, 2022

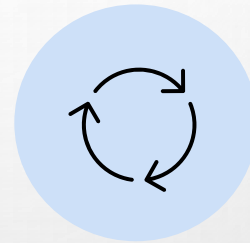




# What about the future?



Professional Partnerships



Maintaining the continuity



# Thank you for the attention!

Kálmán Szanyi

For the Nature- and Environmental Protection – PAPILIO

[szanyikalman@gmail.com](mailto:szanyikalman@gmail.com),  
[papilio.termeszetvedelem@gmail.com](mailto:papilio.termeszetvedelem@gmail.com)

+3620/4593281

[www.papilioegyesulet.org](http://www.papilioegyesulet.org)

