

The role and research work of Hungarian partner in the HUSRB/23R/12/089 project

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Minimizing Crossborder water contamination of microPLASTICS
MICROPLASTICS
 HUSRB/23R/12/089

| Role | Official name of the organization (in original language) | Country | NUTS III region or equivalent | NUTS V - settlement(s) |
|-----------|---|----------------|----------------------------------|---------------------------|
| LA | Institut za javno zdravlje Vojvodine | Serbia | Južnobački upravni okrug | Novi Sad |
| A1 | Zavod za javno zdravlje Sombor | Serbia | Zapadnobački upravni okrug | Sombor |
| A2 | Ludovika University of Public Service | Hungary | Budapest | Budapest |
| A3 | Fond "Evropski poslovi" Autonomne pokrajine Vojvodine | Serbia | Južnobački upravni okrug | Novi Sad |

PROJECT PERIOD:
01.07.2024. - 30.06.2026

Goal is to reduce MP pollution by identifying sources and reducing microplastic pollution in the water ecosystem within the cross border area Bačka/Bács-Kiskun.



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Ludovika University of Public Service



Faculty of Public Governance and International Studies



Faculty of Military Science and Officer Training



Faculty of Law Enforcement

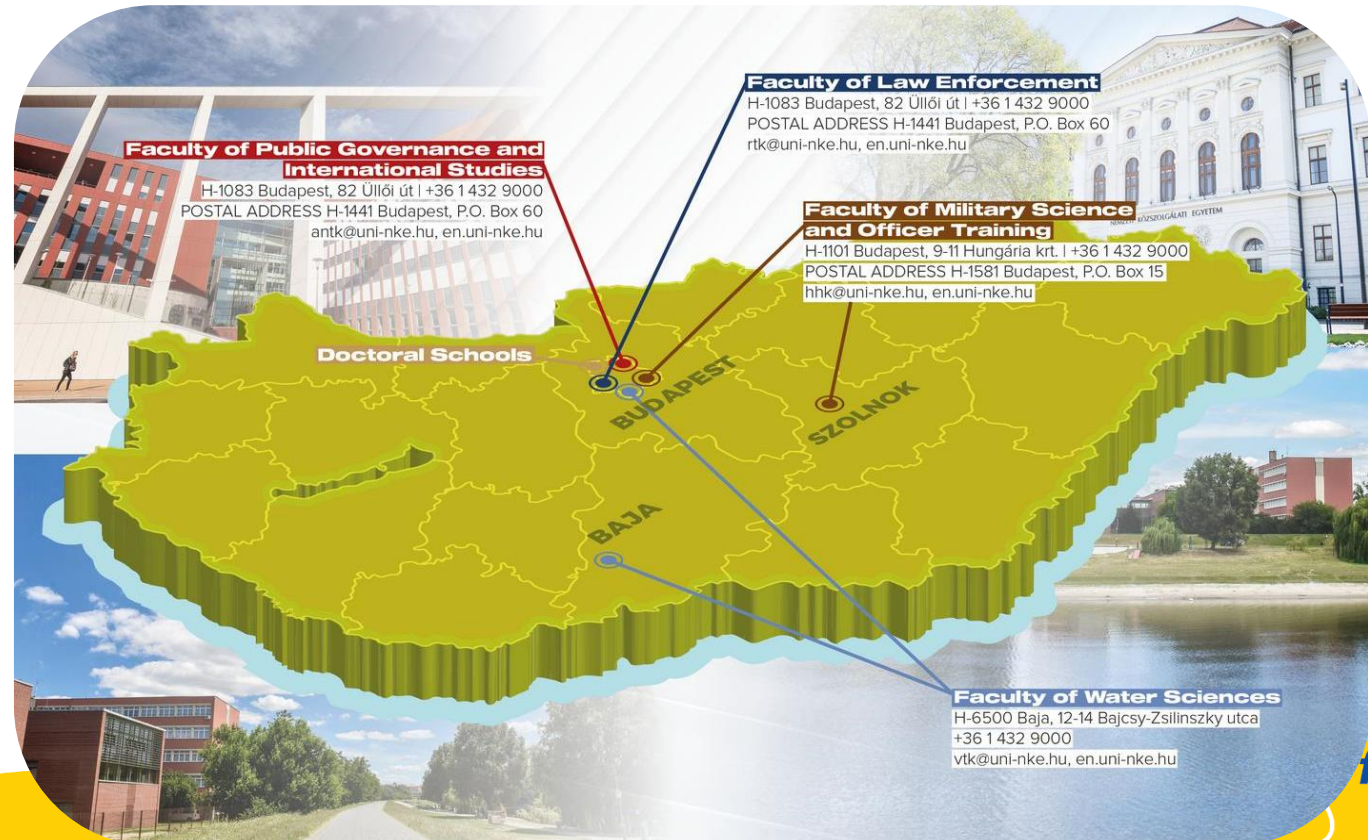


Faculty of Water Sciences



Faculty of Teacher Training

<https://www.uni-nke.hu/>



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FACULTY OF WATER SCIENCES

- Department of Hydraulic Engineering
- Department of Regional Water Management
- Department of Water Supply and Sewerage
- Department of Water and Environmental Security
- Department of Water And Environmental Policy



EDUCATION:

- 3 BSc
- 7 Postgraduate (specialists)
- 1 MA, 1 MSc
- DualDegree (InterFloodCourse)
- Summer Schoos



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MAIN ACTIVITIES (0-1)

0.1 Project management

0.2 Communication

1.1 Education of the Public health experts

1.2 Procurement of equipment for determination and sampling

1.3 Samples collection

1.4 Validation of methods and determination

1.5 Protocols development



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MAIN ACTIVITIES (2)

2.1 Development of filtration model

2.2 Procurement of equipment for filtration

2.3 Testing of the developed solution

2.4 Mapping of the existing wastewater treatment facilities and development of recommendations for reducing the microplastics

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MAIN ACTIVITIES (3)

3.1 *Educational activities in elementary schools*

3.2 *Educational activities in high schools with a competition on innovative solutions for reducing microplastics*

3.3 *Education of water management, public health, and local authorities*

3.4 *Cross border conference and study tour*

3.5 Development of the software solution for monitoring the water ecosystem microplastic pollution

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Microplastics

1.1 Education of the Public health experts

Novi Sad, 17/10/2024 (Problem)

Zombor 10/03/2025 (Sampling)

Baja, 17/07/2025 (Analysing)

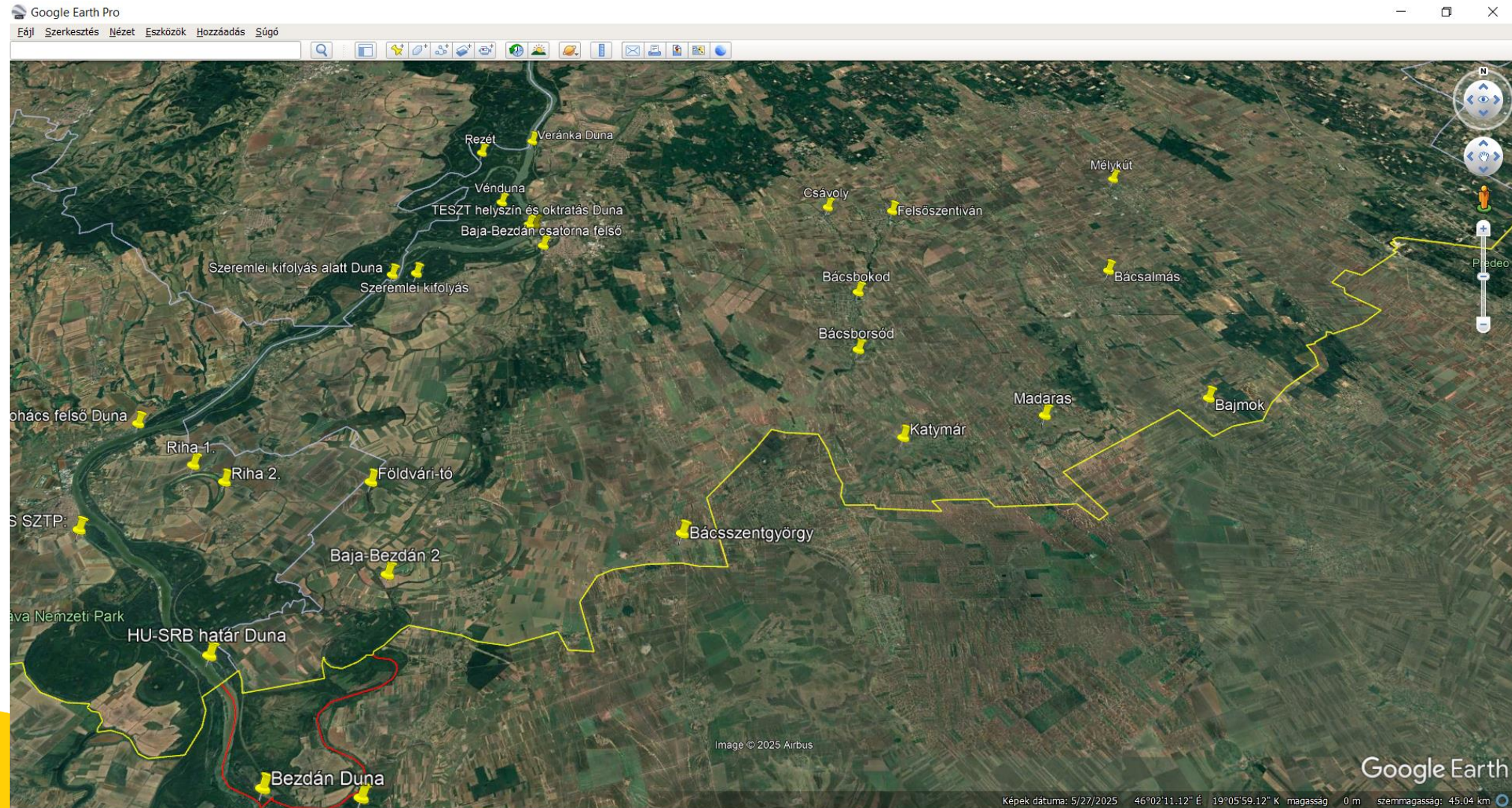
EXTRA Education of Project Partners

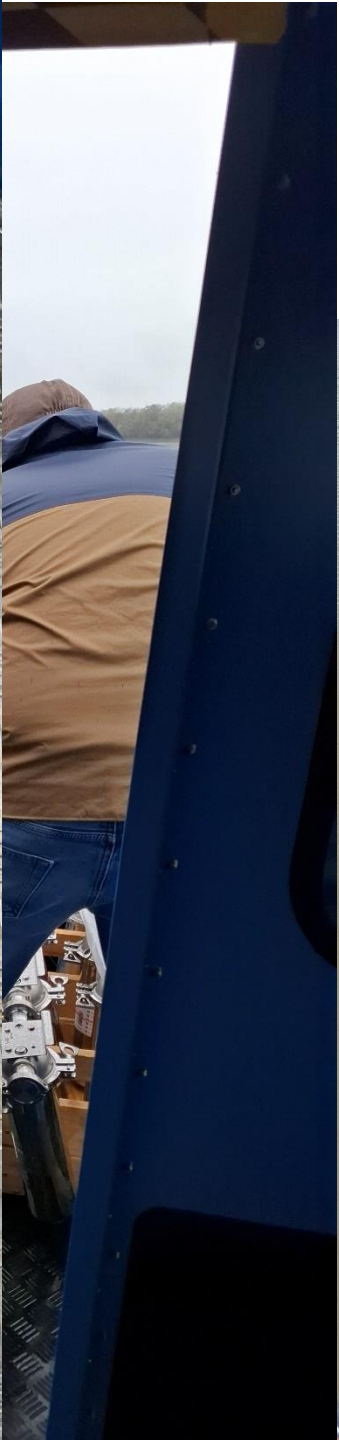
Baja, 15/01/2025 (Know how)

Eurofins Laboratory



1.3 Samples collection (27 places)

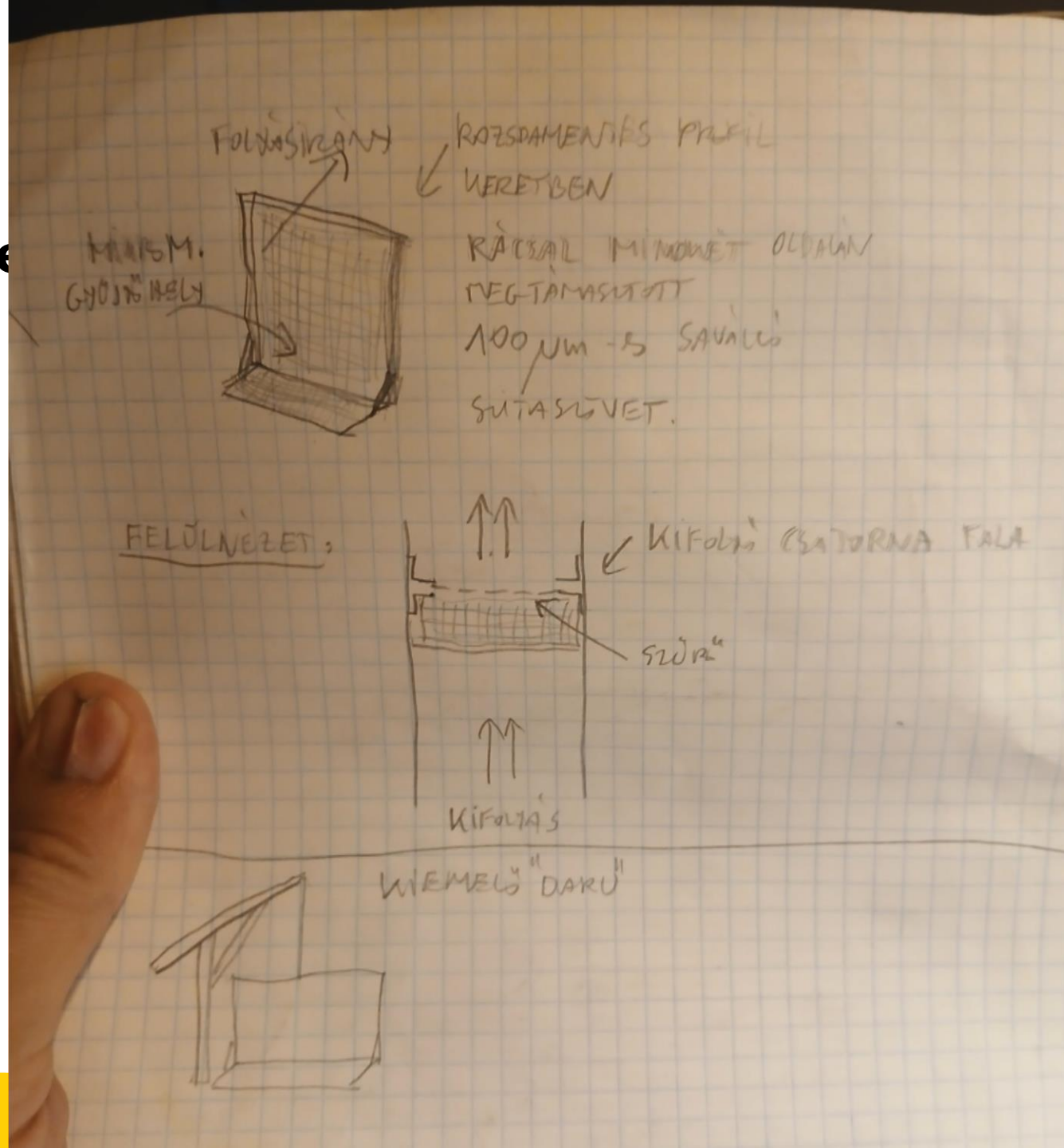




2.1



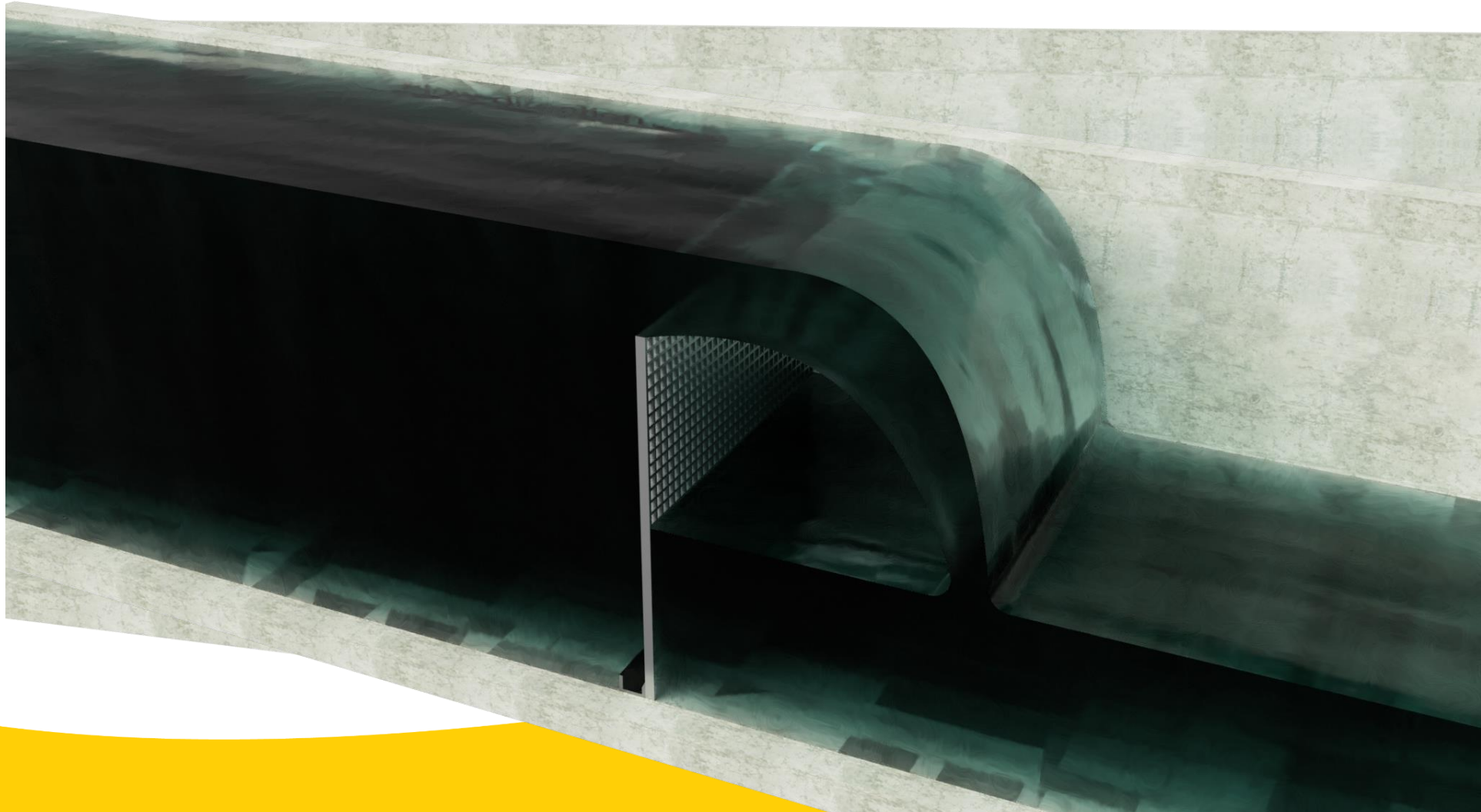
2.1 Development



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2.1 Development of filtration model



2.2 Procurement of equipment for filtra





2.3 *Testing of the developed solution*

ZOMBOR (permissions, cross the border, contract)

BAJA (install in oktober, operate from november) 1 year?





Thank you for your attention!



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