



IN COOPERATION FOR CLIMATE- CONSCIOUS RIVER BASIN MANAGEMENT

Introduction to the LIFE LOGOS 4 WATERS project

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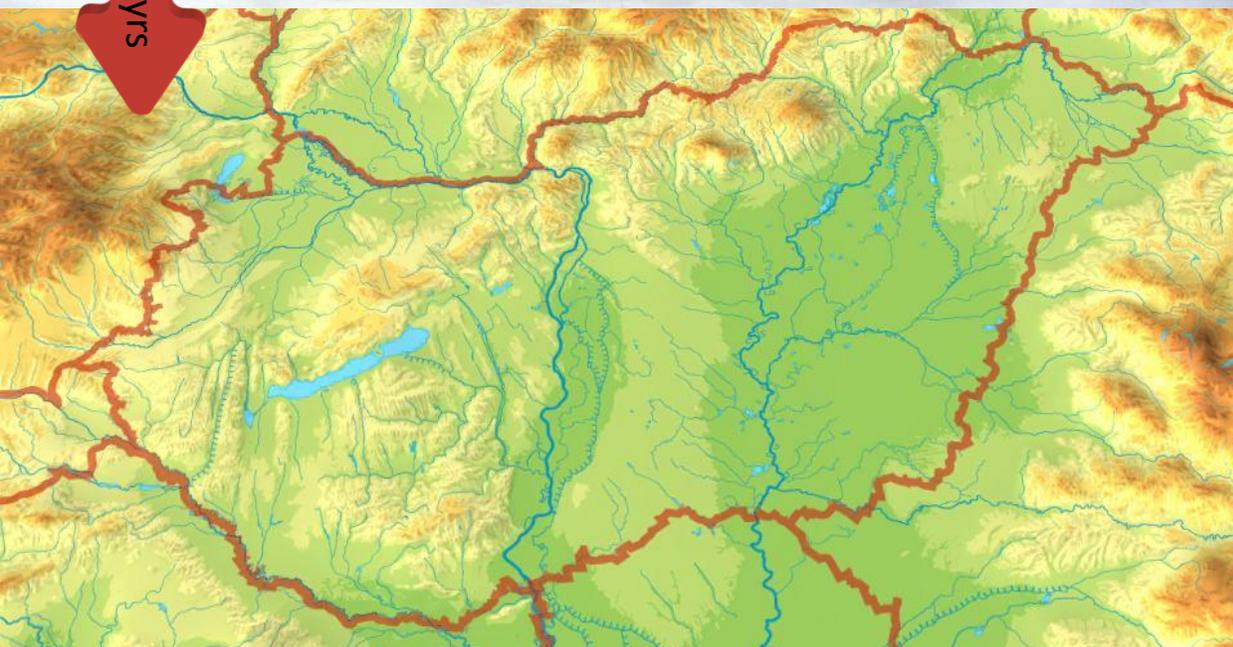


Water situation

in Hungary

~~HUNGARY IS A WATER SUPERPOWER!~~

Big river regulation in 1800s



HUNGARY IS A COUNTRY OF THE RUN-OFFS





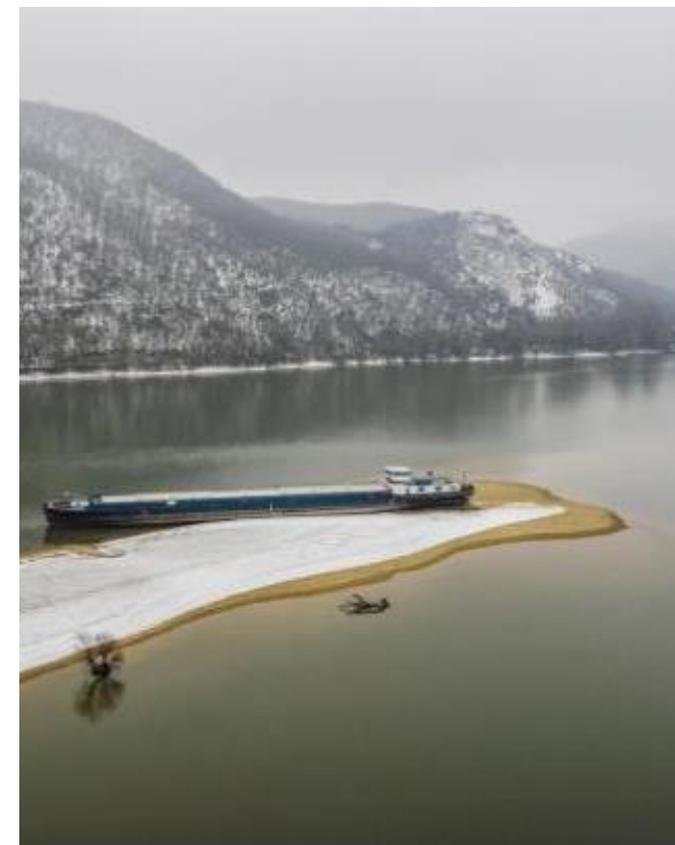
EFFECTS OF CLIMATE CHANGE

Flash flooding

Excess water inundation

Water shortage

Droughts



What to do?

LIFE LOGOS 4 WATERS

Overall goals: improve climate resilience of local governments and increased uptake of ecosystem-based water management solutions

2 demonstration catchments

Municipalities involved on the highland pilot catchment:

- Püspökszilágy
- Galgagyörk
- Kisémedi
- Kosd
- Penc
- Püspökhatvan
- Rád
- Vácduka
- Váckisújfalu

Municipalities involved on the lowland pilot catchment:

- Bátya
- Drágszél
- Dusnok
- Foktő
- Kalocsa

Project goals

Disseminate the use of Natural Water Retention Measures (NWRMs)

Support climate governance on local and regional level

Catchment level cooperation between municipalities and stakeholders

Education of stakeholders in key NWRM affected sectors

Nationwide citizen education and information sharing



8 partners

4 years

cc. 3,7 million €

Why NWRMs?

(Natural Water Retention Measures)



Green spaces



Cost-effective



Close-to-nature



Protect settlements



“Little streams make great rivers!”



Attractive townscape

IN MEMORY OF
DR. JANE GOODALL
(1934–2025)

“People say think globally, act locally. Well, if you think globally, it is overwhelming and you do not have enough energy left to act locally”

Why municipalities?



➤ Municipalities have first-hand experiences at the settlements



➤ Know the potential resources



➤ Know the local stakeholders

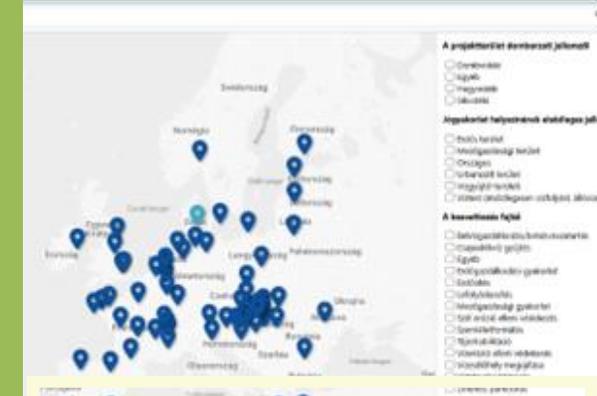


➤ Form local strategies and plans

Main Activities



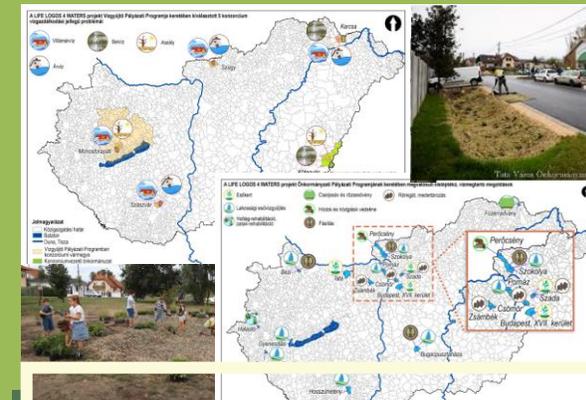
Implementing Nature-based Solutions



Design & decision support tools



Knowledge sharing, Attitude shaping



Municipal support programmes

Hilly demonstration catchment – interventions



Benjes-hedge



Drainage, infiltration



Log-, stone and valley dams

Indoor demonstration centre and educational trail

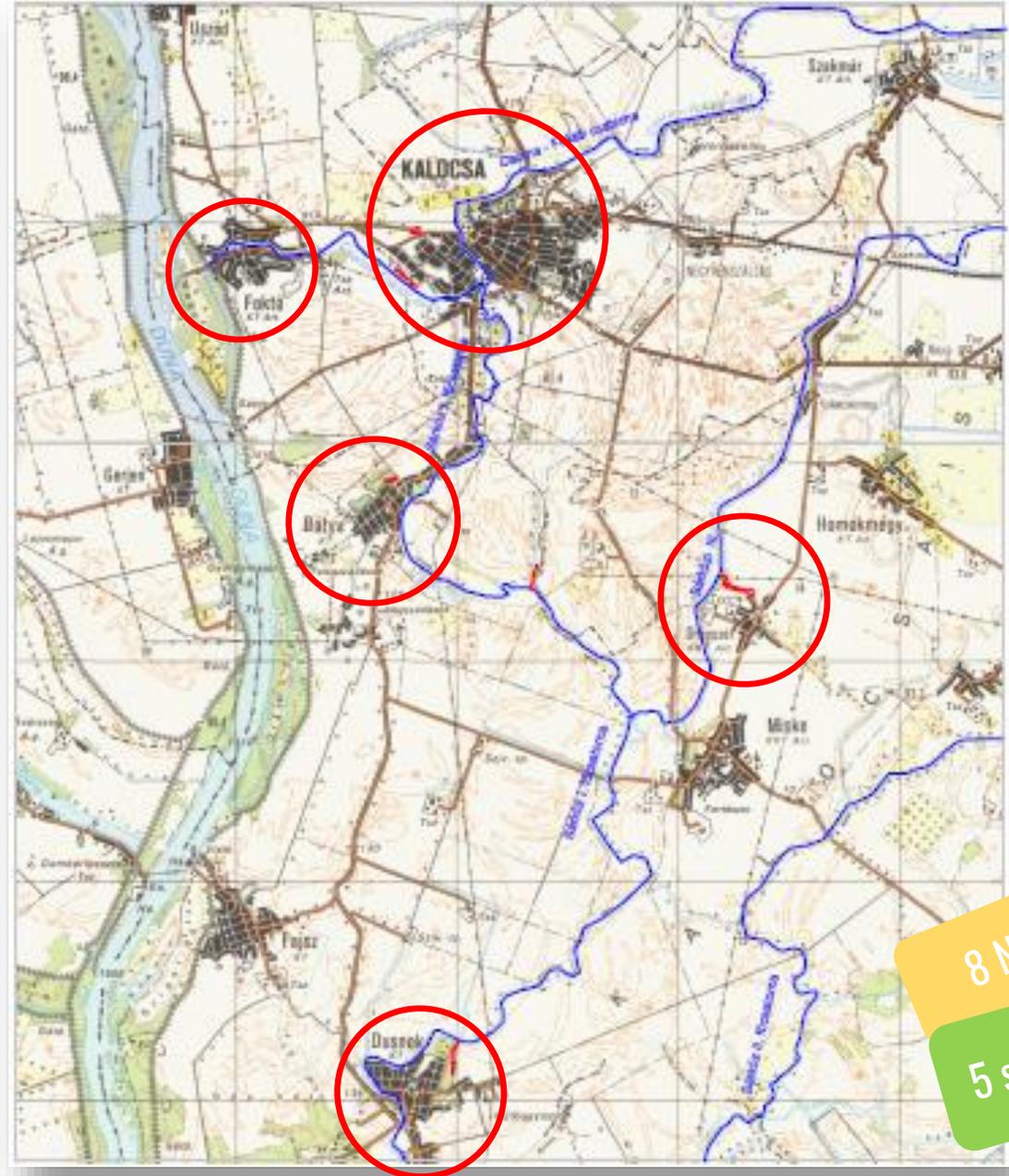


ISSUES

- 💧 Water scarcity in times of drought
- 💧 Drastic decline in groundwater levels
- 💧 Seasonal inland flooding

GOALS

- 💧 Drought risk management
- 💧 Water retention
- 💧 Reducing the decline in groundwater levels
- 💧 Utilisation and management of groundwater



8 NWRMs

5 settlements

Lowland demonstration catchment – interventions

Multi-basin wetland



Complex, multi-basin water retention in urban environments



Rehabilitation of the deadarm in 2 sites



Nature trail



OUTCOMES IN NUMBERS



59 cooperated municipalities



more than 400 km²



30 interventions



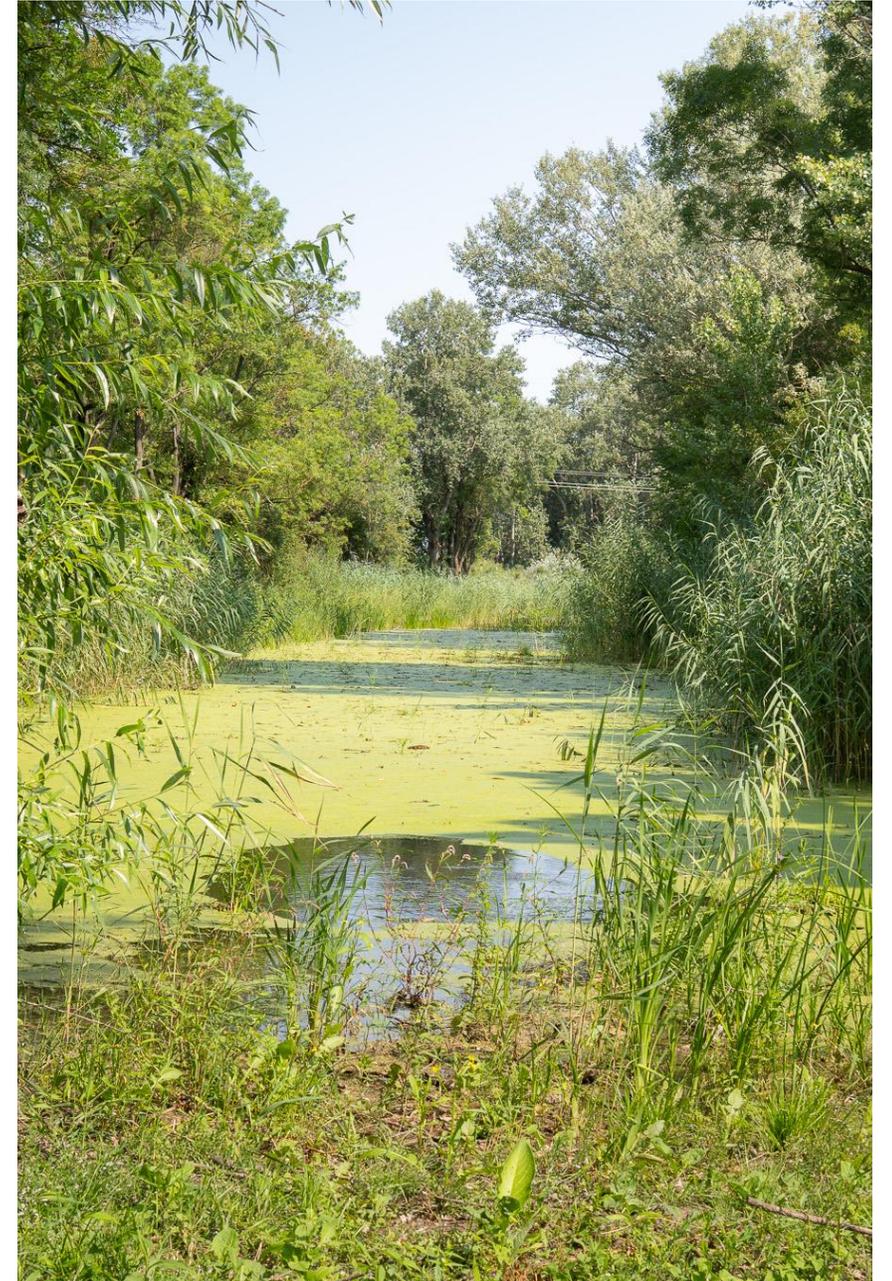
more than 40 project events



with almost 2000 participants



5 training materials





Improved adaptive capacity and climate resilience

36 274 affected inhabitants

Water retention capacity increased by ~39 000 m³

50% decrease in the damage caused by flash floods per decade



Enhanced climate governance at all levels

2 Multi-Stakeholder Catchment Forums

2 municipal support programs

Replication of cooperation in 5 catchments

60 local decision makers and 30 000 citizens made aware



Improved knowledge of the key experts and decision makers

5 training materials

2000 event participants

15 000 website visitors

3 studytrips and 3 conclusive studies
All 3177 Hungarian municipalities reached

LESSONS LEARNED

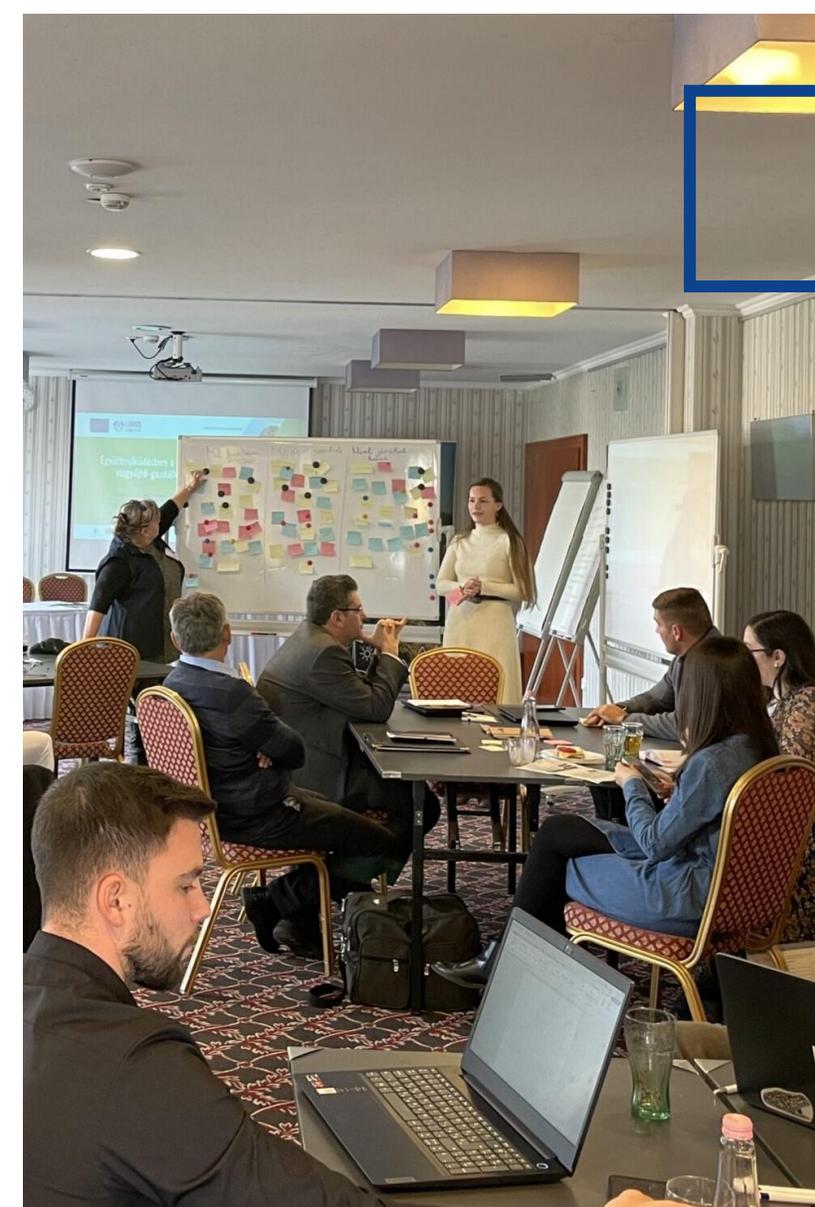
It wasn't always so easy ...

ESSENTIALS:

- Preparatory work
- Involve all stakeholders
- Authorization process

MAIN HIGHLIGHTS:

- Deeper understanding
- Changing attitude
- Ability & determination to cooperate





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Mayor of Bátya
Municipality of Bátya



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Ask Questions
Scan the QR code

Thank you for the attention!

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