

LIFE20 CCA/HU/001604

CHALLENGES OF HEAVY RAIN AND RELATED FLASH FLOOD EVENTS IN RURAL AREAS

INTRODUCTION OF LIFE LOGOS 4 WATERS PROJECT

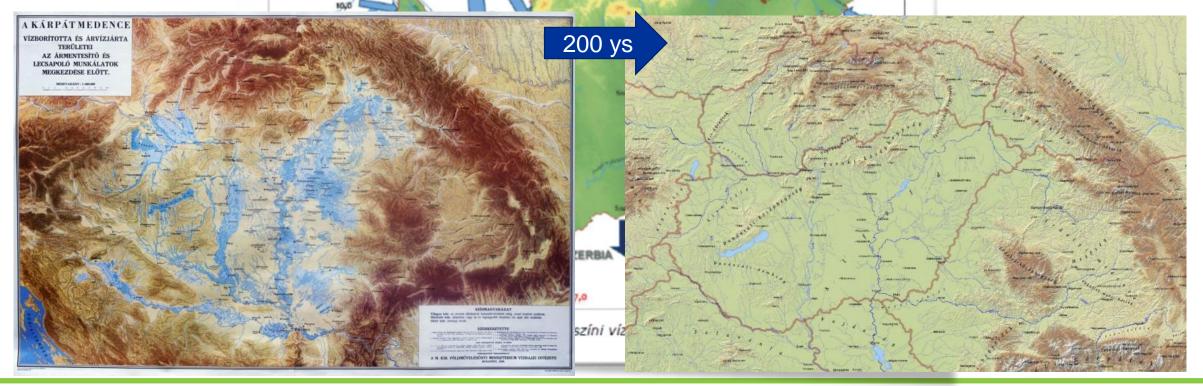
Adapting to Climate change in relation to WATER – 28th November 2023, Budapest

Petra Szatzker, project manager



Basic issues

- Annual percipitation: 500-750 mm
- Annual evaporation: 420-570 mm
- River regulation in the 1800s
- Water budget: droughts and floods
 Sinking groundwater table
 90% reduction of active floodplain





Effects of climate change

Flash flooding



Excess water inundation



Problems:

- \succ Erosion and soil degradation
- > Heat-waves
- > Degradation of freshwater habitats







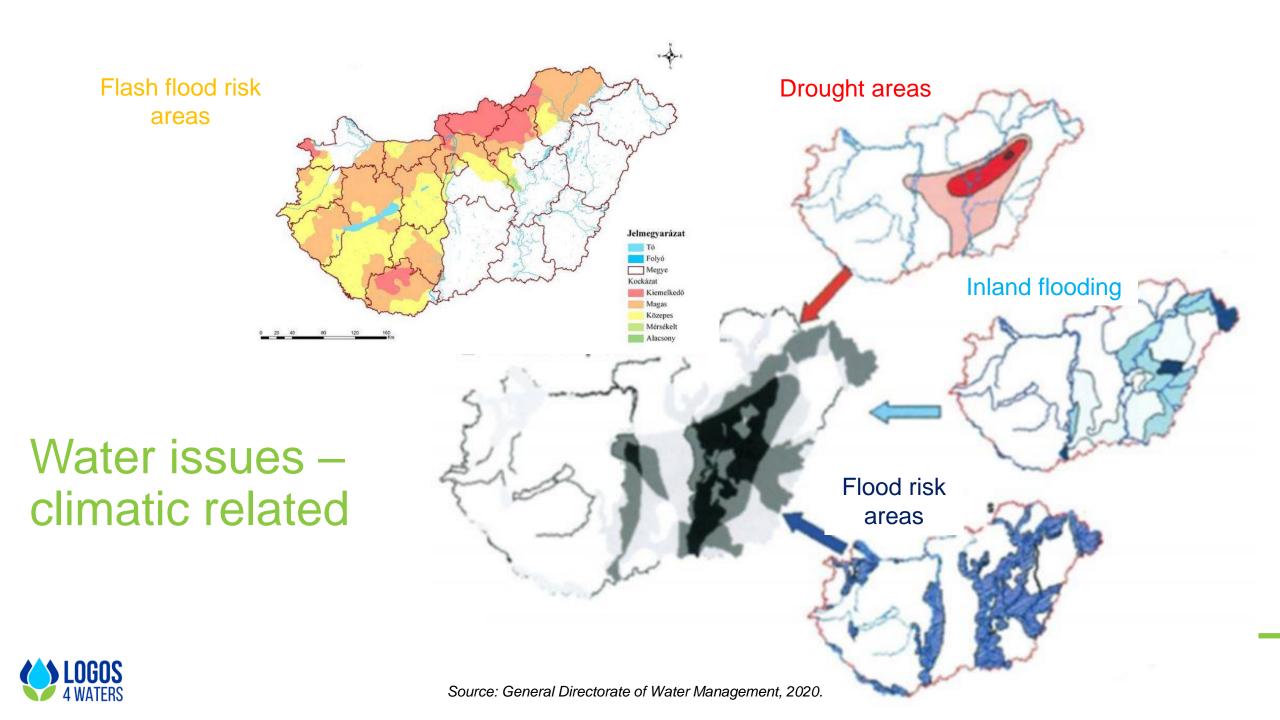


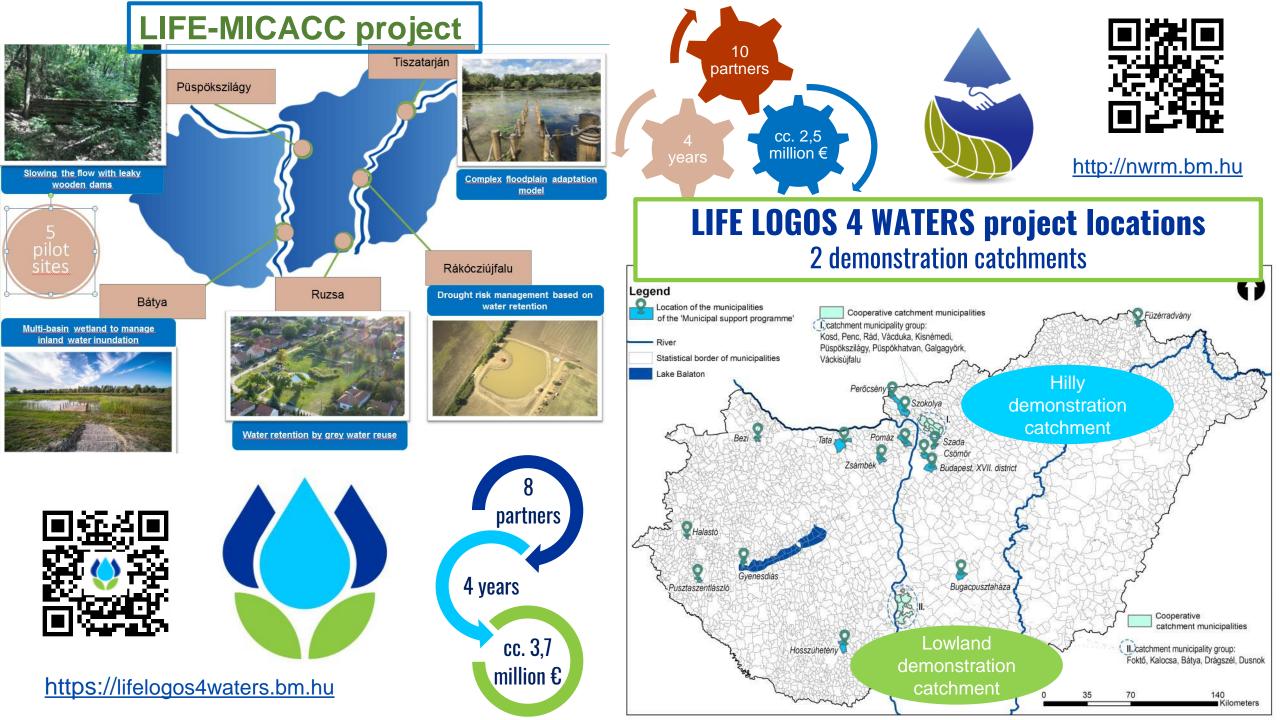


















- **♦** Cost-effective
- ♦ Close-to-nature
- HAT
- Protect settlements
- "Little streams make great rivers!"

ÍMABARÁT

MAGYAR MÉRNÖKI

Attractive townscape

BELÜGYMINISZTÉRILI





- > Municipalities have firsthand experiences at the settlements
- \succ Know the potential resources



 \succ Know the local stakeholders

Why municipalities?



WWF

> Form local strategies and plans







Log-dams



Sedimentation



Hilly demonstration catchment



Mud reservoir



Slowing down, infiltration





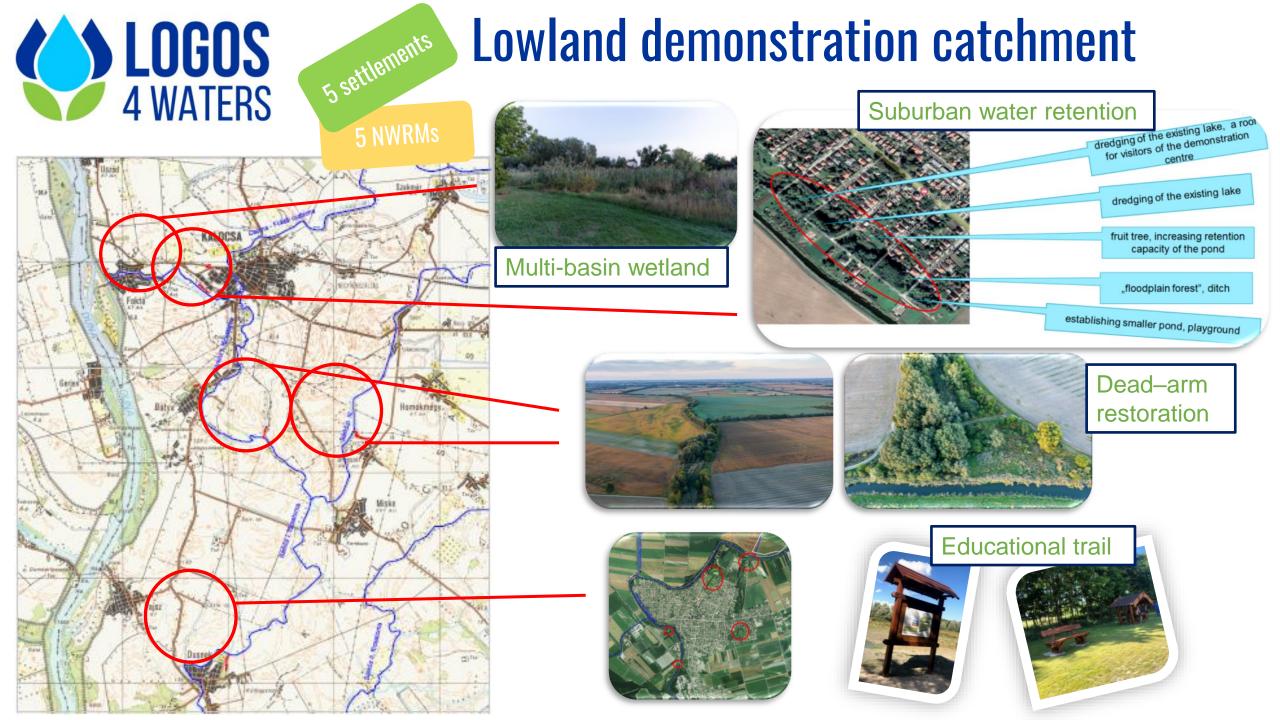
Side reservoir



Landfill



- Slow down the flow
- Flood peak reduction
- Retain excess water
- **Erosion reduction**



2 support programmes for municipalities – 286 participants



Involvement



Via 2 kind of institutions

Integrated Support Board









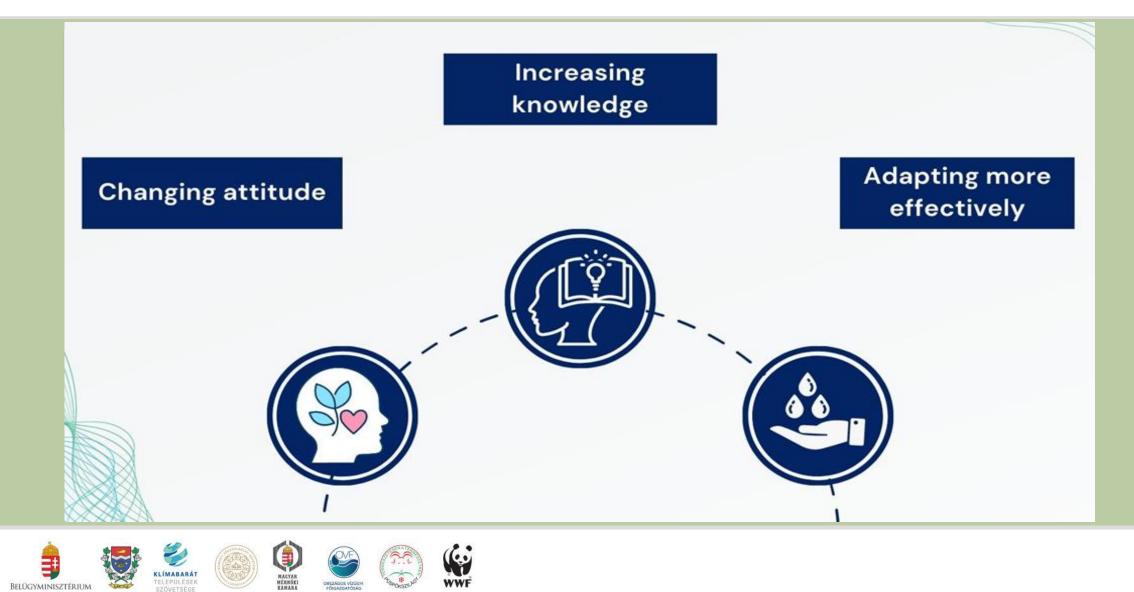
Multi-stakeholder Catchment Forums





BELÜGYMINISZTÉRIUM

What we expect ...



WWF

Thank you for the attention!

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