



LIFE20 CCA/HU/001604

IN COOPERATION FOR CLIMATE-CONSCIOUS RIVER BASIN MANAGEMENT

„Integrated application of innovative water management methods
at river basin by coordination of local governments”

I.-II. Networking meeting in Lorca and Murcia –
15th and 17th May 2023



Our Team today



Ministry of
Interior of
Hungary



University of
Public
Service



Hungarian
Chamber of
Engineers



World Wide
Fund for
Nature

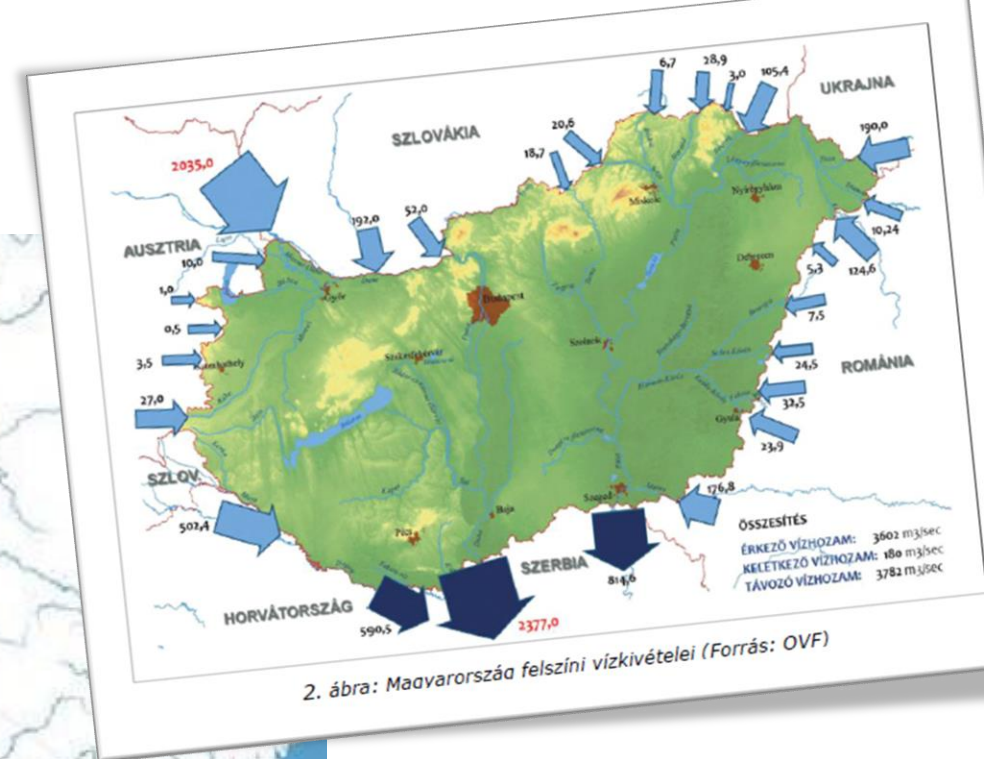


Municipality
of Bátya



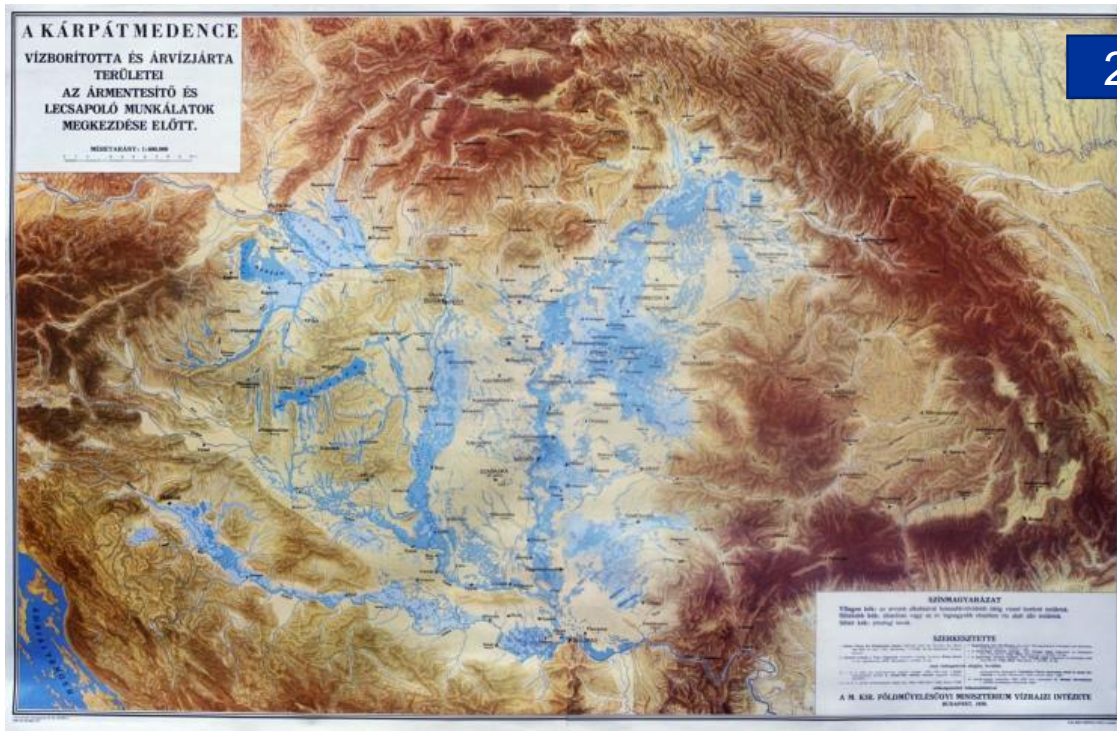
Municipality of
Püspökszilágy

Hydrographic map of Europe



Basic issues

- Annual precipitation: 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



Water shortage



Excess water inundation



Droughts



Problems:

- Erosion and soil degradation
- Heat-waves
- Degradation of freshwater habitats



Slowing the flow with leaky wooden dams

Püspökszilágy

Tiszatarján



Complex floodplain adaptation model

Rákócziújfalu

Drought risk management based on water retention

Ruzsa



Water retention by grey water reuse

Bátya

Multi-basin wetland to manage inland water inundation



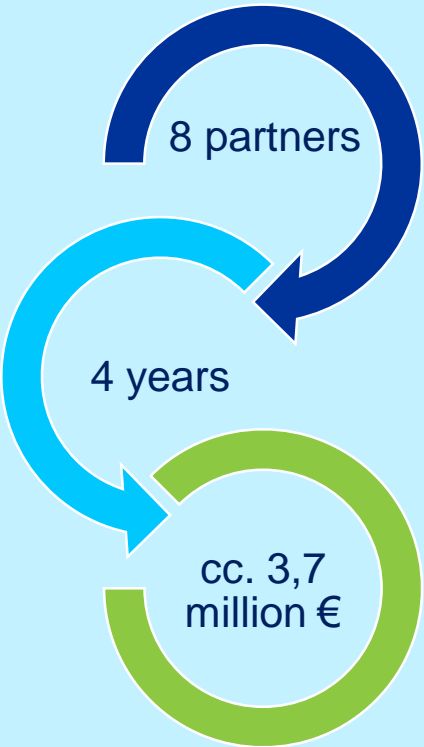
5 pilot sites





The LIFE LOGOS 4 WATERS project

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



Target groups:

- municipal decision makers and experts,
- key sectoral experts,
- river basin stakeholders,
- population

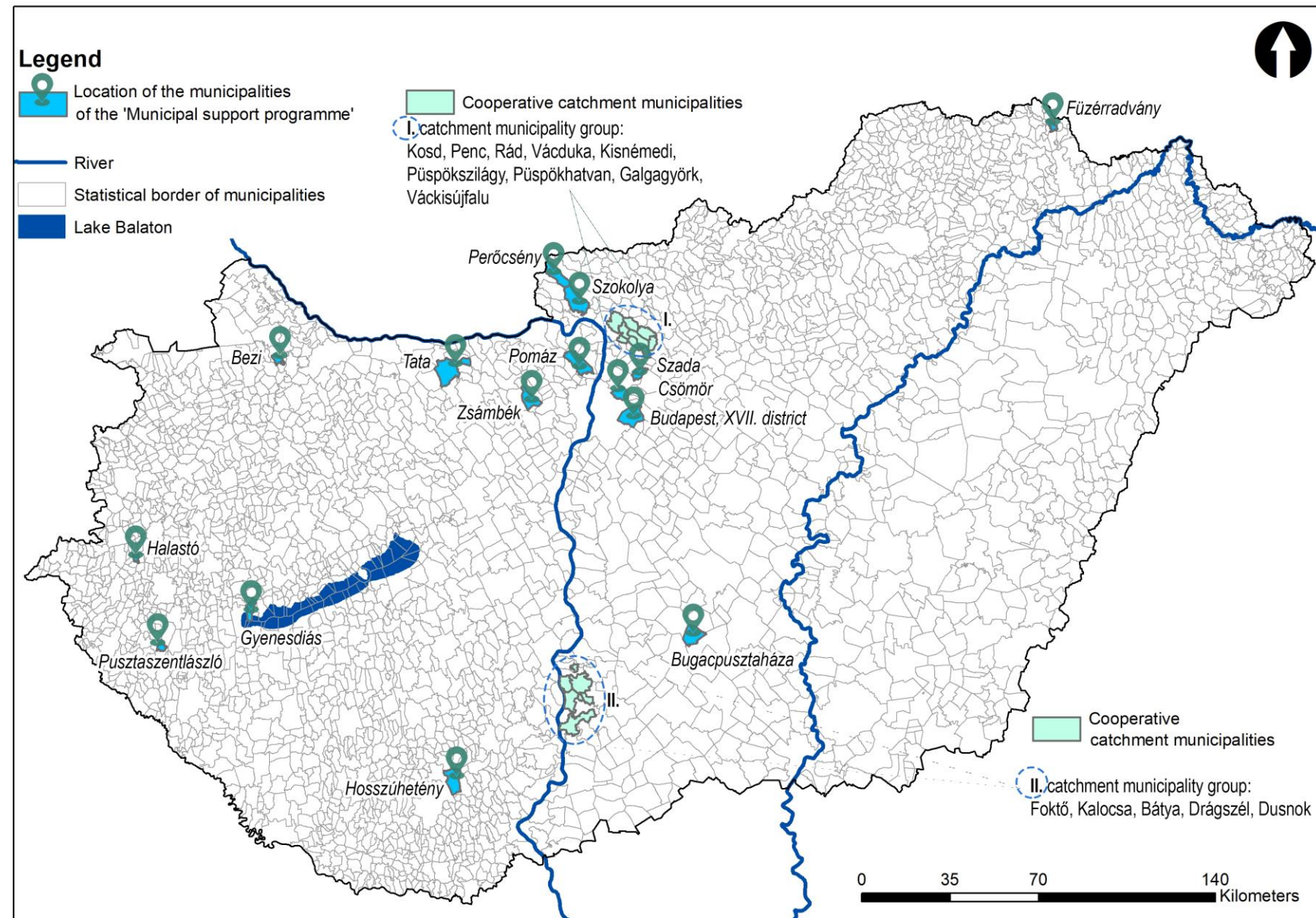


Project goals



Project locations

- ❖ Two demonstration catchment areas (14 settlements)
- ❖ Municipal Support Programme winner settlements (15 settlements)
- ❖ Catchment Support Programme winners (in progress)



WHY MUNICIPALITIES?



„Think globally, act locally.”



Municipalities have first-hand experiences at the settlements



Know the local stakeholders



Know the potential resources



Form local strategies and plans

Municipalities are key actors in coordinating CCA locally.





Partnership of the project

Project beneficiaries (8)

Government bodies

National level actors

Local level actors

NGOs

Ministry of Interior

General Directorate for Water Management

University of Public Service

Hungarian Chamber of Engineering

Municipality of Püspökszilágy

Municipality of Bátya

WWF Hungary Foundation

Assoc. of Climate Friendly Municipalities

Regional water-management directorates

State Departments

National Adaptation Center

University of Agricultural and Life Sciences

Catchment municipalities (8+4)

General Directorate for Disaster Management

Association of District Councils

Hungarian University of Agriculture and Life Sciences

Hungarian Chamber of Agriculture

Hungarian Environmental and Water Museum

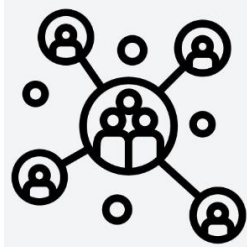
National Association of County Governments

Association of Hungarian Landscape Architects

Associated partners (13)



Involvement



number of participants in project events



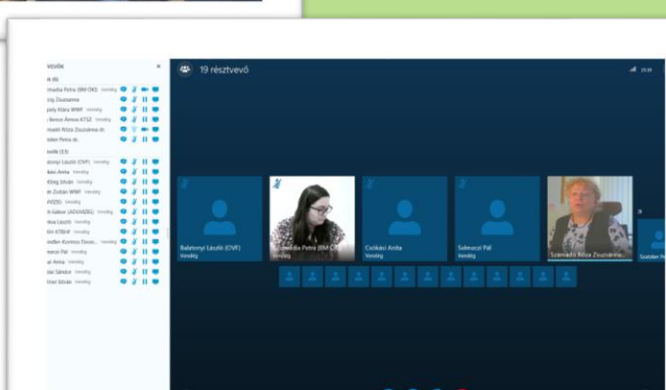
the number of municipalities submitting the application

Via 2 kind of institutions

Integrated Support Board

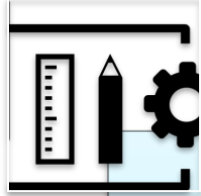


Multi-stakeholder Catchment Forums





What we do in LIFE LOGOS 4 WATERS project ...



Test and demonstrate NWRMs

- 2 river basins (lowland and hilly pilots)
- ~20 NWRMs
- Local knowledge centres
- Hydrological and meteorology monitoring systems
- Ecological and environmental monitoring
- Virtual walks
- Government report
- Voluntary program



Support municipalities in CCA

- Integrated Municipal Decision Support Platform
- Methodology guides
- Integrated Municipal Water Management Plans & guide
- 2 Municipal Support Programs
- Catchment level SECAPs
- Knowledge-sharing climate workshops



Awareness raising & knowledge transfer

- Professional trainings development
- Social media campaign
- Summer universities
- International closing conference
- Professional events
- Good practises database
- Environmental education program
- Animation and short movies



What we expect ...

Changing attitude

Increasing knowledge

Adapting more effectively





Thank you for your attention!

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