



Involving local stakeholders into lateral connectivity restoration along the River Tisza, Hungary

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Missing the water of the Tisza

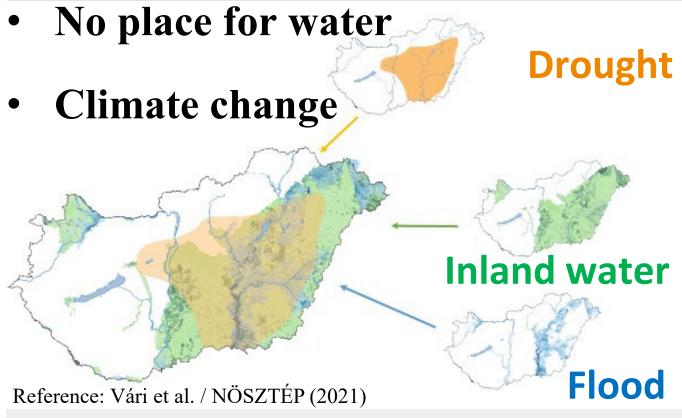


- Rivers used to provide water for dryer plains
- River regulation: arable lands \uparrow wetlands 🔱

Water management optimized for draining



Drying, increasing extremes

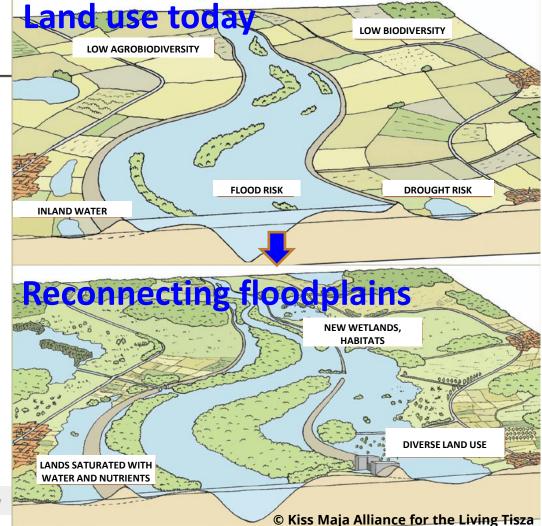


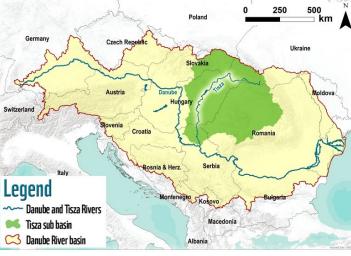


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Space for water

- Water retention to stop drying
- The key for NWRM is land use
- Involvement of farmers is inevitable



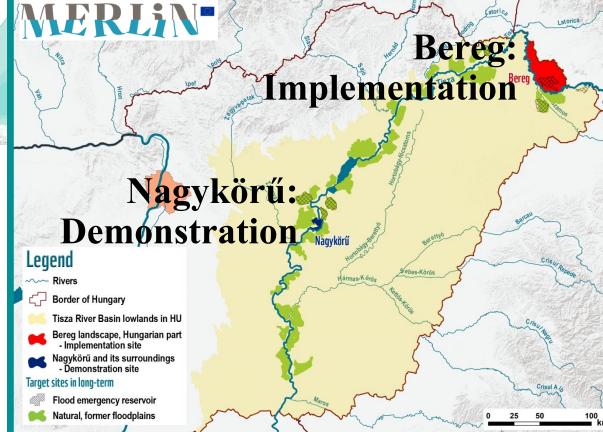


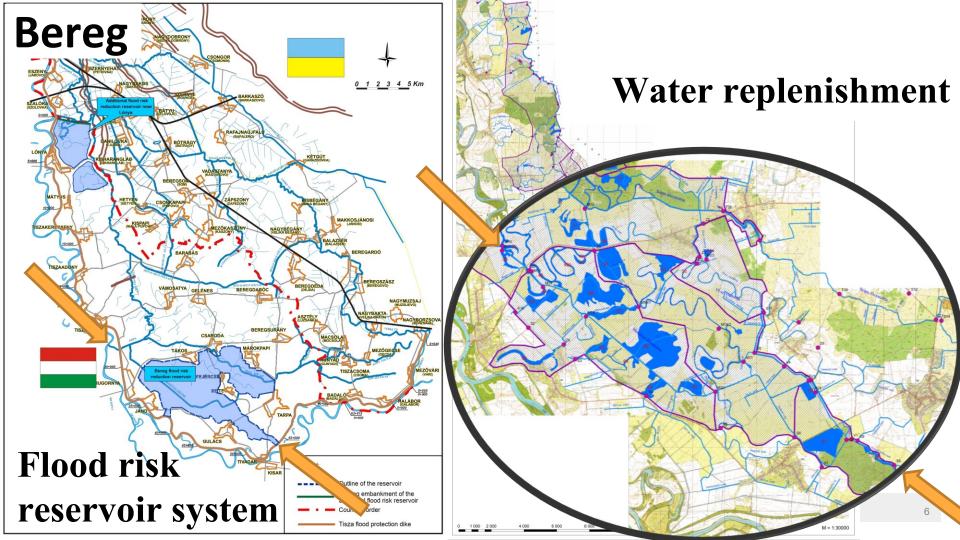
Tisza 21 Program

- Flodplain farming
- Target: 150,000 ha by 2030
- Biodiversity
- Social and economic development



MERLIN case study number and name: 9 - Tisza Case study cluster: large transboundary rivers Country: Hungary





Social and attitudinal survey in the Bereg



- Methodology:
 - Desk-research (statistical + other databases)
 - 38 semi-structured stakeholder interviews
 - +38 questionnaires with farmers
- 17 settlements (1 city, 1 large village)
- Mainly agriculture, no significant industry
- Ageing farmers, slow land concentration
- Local products, tourism seen as breakout points

Attitudes to water replenishment



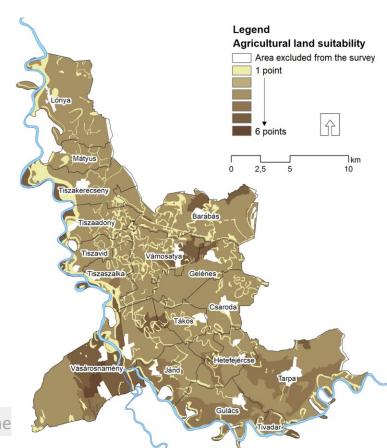
- They feel the increase of weather extremes
- Landscape drying is a major problem
- Profitability of agriculture low
- Low level of cooperation
- Lack of workforce in farming
- Vanishing small farms
- Filling canals with water would be supported
- Land flooding would be supported w. conditions



Agricultural land suitability assessment



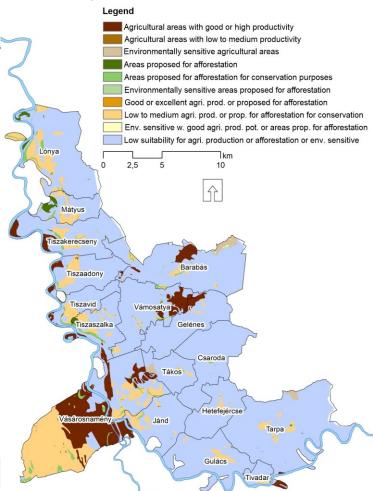
- Weak soils
- Arable lands decreasing, but still high proportion
- Fruit, orchards
- Afforestation increasing
- Water would be needed, but in a controlled way



Promoting land use change

- Land use change planning involving farmers
- Changes proposed to CAP subsidy system
- Designing new value chains for floodplain farming
- Organizing cooperation
- Interest representation, lobby
- Complex rural development

Ecotype delineation map



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Involving local stakeholders



- Cooperation with water management directorate, national park, municipalities, chamber for agriculture, NGOs...
- Fora for farmers and direct consultations
- Need to get the consent of all of the land owners
- Representing locals's interests

