

## Debrecen (HU)

### *Setting/Problem*

The city of Debrecen is addressing a problem related to ecosystem services, namely recreation along the Tóció creek on the west side of the city. The city is facing continuous urban growth, and the growth towards the west has reached the creek flow area. In addition, both the city and its flat surrounding areas are poor in watercourses and, hence, an overall plan for the Tóció creek's future role/status is necessary.



### *Objective*

The main objective is the preparation of a Tóció basin development plan that focuses on the inner belt section of the creek (managed by the City), but not neglecting the upper and lower sections (managed by the Water Inspectorate), so that a new and valuable green/blue space will come into existence. In particular, the plan may address water flow, water quality, rainfall and wastewater partition, area use, stakeholder involvement and different solutions for creek sections with different characters. Possible solutions envisaged in this plan include:

- Development of urban green/blue space (with the rehabilitation of Tóció creek surroundings in the inner belt section).
- Development of an area for housing, shopping and leisure functions (so that the city can better accommodate current and expected urban growth).

### *Expected outputs*

The DST is expected to provide spatially explicit information on the (added) value of green/blue space development scenarios, in terms of household welfare, quality of life and land value for the different sections of the creek, as well as on the preferred locations and types of urban development needed to house the growing population. A cost-benefit analysis of different development scenarios is also expected from the DST. Finally, the city of Debrecen intends to dispose of a tool that can be used in the future for the city's development to the east (namely Kondoros creek).