

INCREASING OF AWARENESS AND PROPAGATION OF THE FUNCTIONS OF FORESTS IN LANDSCAPE AND NATURE-CLOSE WATER COURSES IN URBAN AREAS AS A PART OF ECOSYSTEM SERVICES OF RIVER BASIN

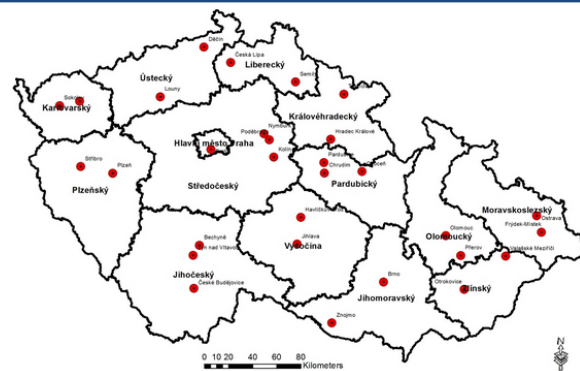
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Granting institution: Grants of European Economic Area (EEA)

Programme and Programme area: CZ02 - Biodiversity and ecosystem services/Monitoring and integrated planning and control in environment/Adaptation to climate change. PA 2 - Biodiversity and ecosystem services

A brief project content: The project focuses on public education about the value of selected components of ecosystem services of the drainage basin. The result and outcomes of the project present recreation significance of near-nature and revitalised river beds of water courses in intravilane, complementing their water management and ecosystem effect.

The project deals with a terrain mapping of recreation potential of rivers in 30 towns in the Czech Republic. The research results will be by a field research well-founded national representative overviews of the river courses in intravilan and suburban recreation zones with significant synergistic water management, ecological and recreation effects.



Rivers in the cities

The examples of a good quality landscaping of water courses in towns of Moravian-Silesian region

Ostrava (Ostravice river) - A project aiming to improve the overall ecological state of the river was realised in a plan of Horní Odra drainage area, into which Ostravice river belongs. It included flood control improvements. The measures involving Ostravice river and its alluvial plain are included in a project - "Revitalisation of Ostravice river" in Ostrava. The project aimed to landscape the river in a part of Ostrava so that the river can serve the city inhabitants and visitors for free time activities, sport activities and environmental education. The river revitalisation contributed to improvement of living environment at least in the city centre of Ostrava. The project included e.g. sediments unloading, river bank consolidation and sanitation, drainage of sewage water from Biocel Paskov. Also shelters for animals (lizards, kingfishers, small birds, shell ducks, bats) were constructed on river banks, and original species of bushes and trees were planted. Suspension viewing platforms, jetties for watermen, including a dock and boat rental, two sluices with fish pass, sunbathing areas, walkabouts and cycling paths were built in order to increase recreation potential.



Frýdek Místek (Ostravice river) - In 2014 started a programme called "Ostravice, Frýdek Místek-Staré město, km 2,900-25,300 - maintenance of interlevels". Revitalisation of both right and left banks of Ostravice river takes place from the admission of a diversion canal from Olešná river up to a junction of Ostravice and Morávka rivers and then up to a road bridge in Staré Město. The observed area belongs to Natura 2000 nature protection areas, therefore the project was prepared in cooperation with Nature Conservation Agency. Removal of sediments from berms, their consolidation and humification including partial removal of gravel forms from the river basin will result in renewal of capacity of flow area that would declare protection of the area in city intravilan against a one-hundred-year flood. In 2015 this project will be followed by a planned construction action in Frýdek-Místek called "Ostravice km 25,650 - reconstruction of water level drop", i.e. a reconstruction of a "sluice gate" above Ostravice and Morávka rivers junction.

