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Dam removal in Lithuania: mission (im)possible

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Content:

1. Dam removal controversy in Lithuania
2. Introduction of MOBILE project proposal
3. Maslauskiškiai water mill controversy





Anykščiai dam

Old water mill site

Built in 1910

Generated electricity till 1969

Reconstructed in 1986

Fishpass: yes

Resort area

Listed as ecologically and culturally valuable river stretch.



Migration Barrier Impact on Fish and Ecosystem Services

MOBIIE

Estonia:



Norway:



Lithuania:



Latvia:





Spatial assessment of downstream migration barriers:

- Mapping of the Baltic barrier list
- Mapping of Baltic fish data
- Ranked maps of downstream risk and barrier ecosystem services





Assessing the risk of injury and mortality during downstream migration:

- Literature review of injury and mortality due to downstream passage
- Physical testing to estimate injury and mortality



Rapid assessment method for downstream barrier ecosystem services:


- Review of barrier-related ecosystem services
- Valuation of downstream barrier ecosystem services

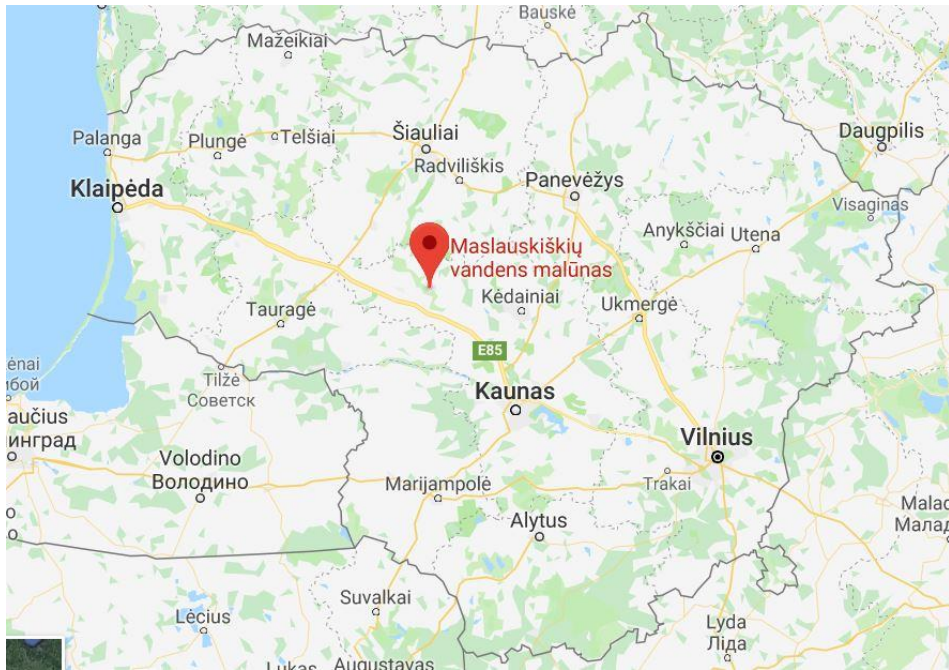
Expected main results:

A map and rules will be created that will help prioritize downstream barrier mitigation throughout the Baltic States. This new method will determine and identify which barriers are dangerous for fish, how much the barriers are worth today, and how much it will cost to remove or change them.

The map and rules MOBIIE provide will help resource managers, planners and stakeholders to create environmentally friendly solutions for downstream fish migration considering the needs of fish living in the river and the community living along its banks.

First European fish testing facility will be designed and built in Estonia to aid in the determination of the biomechanical thresholds for injury and mortality of different fish species and life stage (juvenile or adult).





Maslauskis water mill

Dubysa river

Cultural heritage Nr. 2287.
Regional park, Natura 2000.
Listed as ecologically and
culturally valuable river stretch.

Missed opportunity

Maslauskiškiai water mill



A photograph of a red wooden building with a conical roof, situated next to a pond and trees. The building has several windows and a small waterfall at its base. The text is overlaid on the left side of the image.

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