

Improvement of hidrological regime of Lake Engure in territory of Mersrags community



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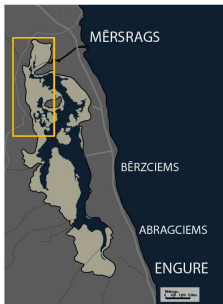
Improvement of hidrological regime of Lake Engure in territory of Mersrags community

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1. Actual situation



Due to natural succession and anthropogenic impact Lake Engure is overgrowing rapidly . Masivization of reed stands causes decrease in waterfowl and fish populations. Nesting waterfowl needs mosaic type reed beds with open water around them. Massive reed stands causes increase of predators such as American mink and raccoon dog .

Project territory



2. Aim of the project

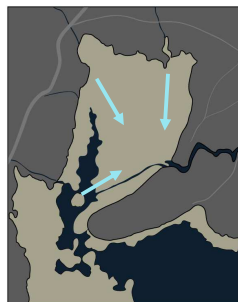
Aim of this project is to create technical project for restoration of habitats for waterfowl and improvement of hidrological regime of lake Engure in northern part of the lake and creation of tourism and scientific infrastructure for ecotourism and monitoring of waterfowl populations what could be a good cooperation between nature protection and sustainable economics in wetland



3. Creation of open water areas and channels

Fragmentation of reed beds is necessary for improvement of hidrological situation

Legend
Main directions of water flow



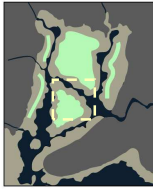
3. Main principles for fragmentation

Legend
Zone of island-channel mosaic
Water ways for ecotourism use and management



3. Building of artificial islands

Placement zone



Visualization of island fragmets



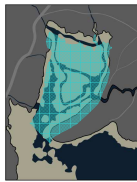
3. Indicators of successful restoration of mosaic structure

- Improvement of waterfowl populations
- Improvement of fish populations
- Decrease of anthropogenic impact
- Structuration of biotopes



3. Bird watching places on floating platforms.

Placement zones

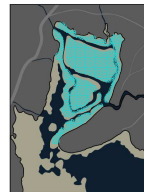


vizualization



3. Bird watching towers and hides on poles

Placement zones

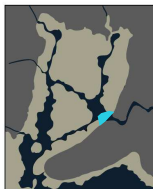


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3. Creation of information center

Placement place



vizualization



legend

Information center

It is planned to create floating information center witch is used for ecotourism and management of the territory



3. Indicators for tourism and scientific infrastructure

Improvement of scientific monitoring
 Raised education level of society in wetland management and protection
 Harmonic co-living of local society and nature protection



4. Summary

Due to used methods and principles of proposed activities it is clear that creation of technical project is highly necessary for further development of proposed activities and could be as a good example for cooperation between nature protection and sustainable economic interests in wetland management.



Thanks for attention!