RURACTIVE

Solutions Factsheets

Constructed wetlands of Jurvasenlampi lake

Pudasjärvi, Northern-Ostrobothnia, Finland

Flat, river and flood plain; Predominantly rural, remote regions

Led by: Finnish Forest Centre, in partnership with University of Oulu and Natural resources institute Finland (Luke)
Dynamo partner: D1 - Northern Ostrobothnia

Funded from National "Catch the Carbon" program of Ministry of Agriculture and Forestry

Sustainable agrifood systems and ecosystem management

Ecosystem management

Aim

In Finland, climate change mitigation in the land use sector concentrates on peatland dominated areas. However, local actors have limited knowledge how to prioritize and target climate measures within catchment areas. In this project, we construct a comprehensive plan of land use sector climate measures for Kiiminkijoki catchment, located in northern Finland. The ensemble of climate measures is planned so that it is environmentally sustainable, socially just, and economically feasible. Jurvasenlampi constructed wetland was a pilot site of the project "Co-planning of land use sector climate change mitigation in the Kiiminkijoki river catchment" 2022-2024 funded by the Ministry of Agriculture and Forestry, Finland. Along the project several wetlands and peat land restorations sites were co-planned with local stakeholders in Kiiminkijoki river basin.

Picture Caption

Stakeholders involved

- Policy stakeholders
- Researchers
- Stakeholders in the industry/ services/ investors domain
- Stakeholders in the public/user domain
- Stakeholders from the third/voluntary sector
- Other stakeholders

Story

Constructed wetlands of Jurvasenlampi were selected by local community and private landowners as a pilot site how to filter humus and nutrients released from the upstream drained peat lands and closed down peat energy production area and clean the waters of tributary of Nuorittajoki river, and finally Kiiminkijoki river down stream the system.

Forth coming years will show if created wetlands can filter enough organic matter and nutrients released from upstream drained peat lands.

This solution as inspired by the Iijoki river agreement, and inspired several other river catchment projects.

CROSS-CUTTING PRIORITIES

Biodiversity

Social justice and inclusion

Climate change mitigation and adaptation

INNOVATION

Social, organizational and governance

Financial and business models innovation

Website: https://www.luke.fi/en/projects/matki

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