

CATCHMENT AREA BASED HOLISTIC WATER MANAGEMENT

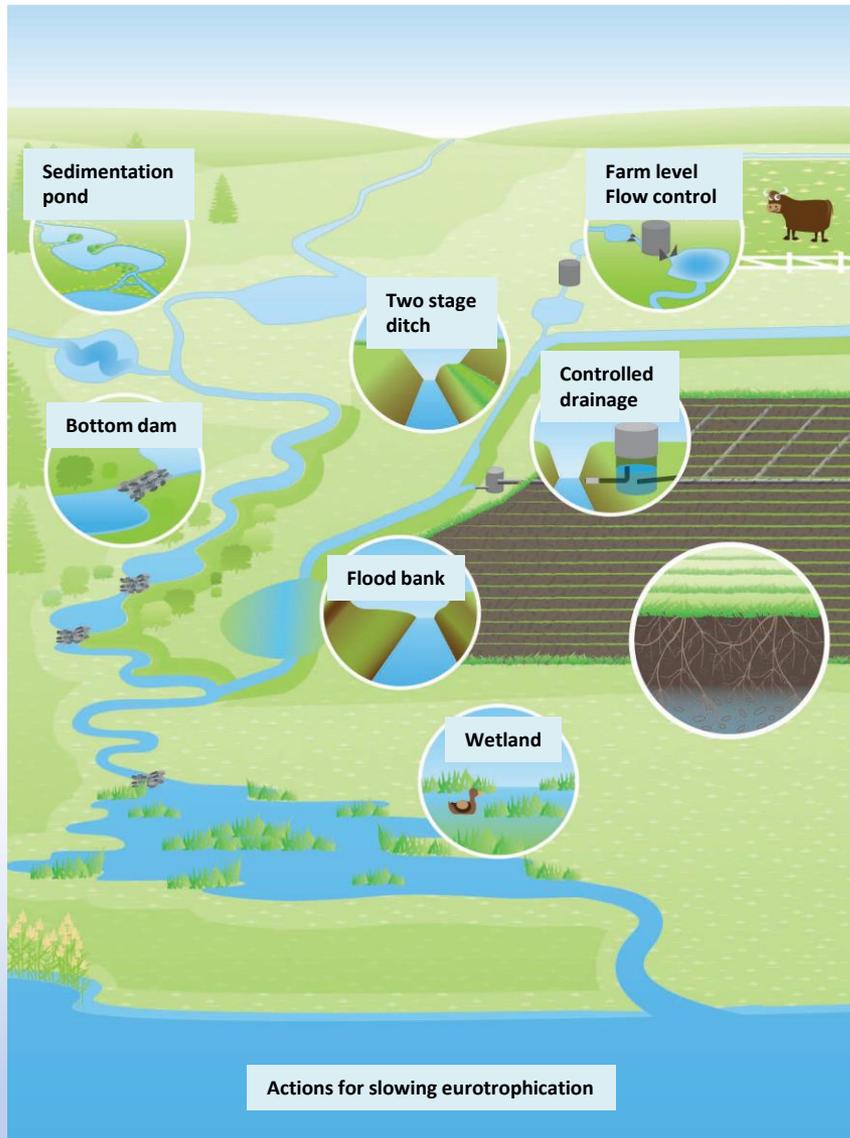


Reflections about catchment teams in Finland

Mikko Ortamala 28.10.2021



Catchment area based holistic water management planning



Mainostoimisto Kuke. Menetelmiä ravinteiden ja vedenpidättämiseksi osana kokonaisvaltaista pellonkuivatusta. Granholm, K., E. Lundström, H. Äijö, M. Ortamala, S. Manninen-Johansen & S. Mäkelä (2018)

How do we improve catchment area rehabilitations nationally:

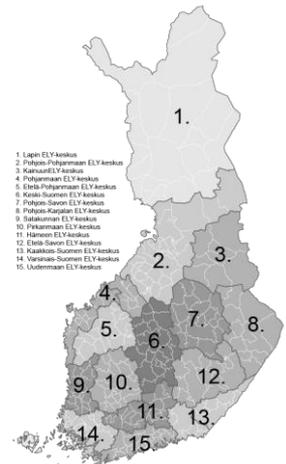
- 1) **Risk area surveys.** Identify risk areas with spatial analysis, thematic maps, modeling, satellite photos
- 2) **Targeting.** Choose regionally the catchment areas and waterbodies to renovation, based on the results of the risk assessment. Dependent on the size of the waterbody do an assessment if there should be established **a cooperation group (Catchment officer team), negotiation committee** or other combining organization, if there is not any.
- 3) **Activate landowners.** The members of the committee activate together with the municipalities, advisory organizations and local stakeholders the landowners of the most difficult risk areas, for targeted information delivery.
- 4) **Field measurements.** Planners carry out field measurements together with the landowners (drainage needs survey, current status survey and studies on the possibilities for the implementation of water protection structures and other necessary measures such as fisheries rehabilitation, improvement of recreational values etc.).
- 5) **Decisions of local actors.** After the necessary surveys and initial studies, the activated decision-making local actors, such as the drainage corporate body / water protection association, decides on the implementation of the measures required for the rehabilitation.
- 6) **Planning and implementation.** Compose the final plans, complete the needed assessment for the authorities, get needed licenses, ensure financing and do the procurement of contractors. Exact marks to the sites, such as marker poles.
- 7) **Maintenance.** Compose a wider regional action plan and maintenance plan to ensure the implementation and financing of possible needed additional actions, including also maintenance of the constructions in future.

Catchment teams in Finland

- The coordination activity should not be created by one person or organization
- Expert teams from different organizations should be resourced for catchment area rehabilitations
- The activity should be cross-sectoral
- Activities should be continuous and long-term processes rather than individual short-term projects

The objectives are:

- To create long-term cross-sectoral stakeholder work to implement and finance long-term water rehabilitation projects in a prioritized and targeted manner
- To bring together water management and management planning stakeholders at the local level and ensure that the needs of different parties are taken into account.
- To identify relevant water management activities in each catchment area and raise awareness of the importance of water management.
- To ensure the continuity of advising of holistic water management
- To create effective co-operation groups between the local level and the administration



The Finnish video "**At the Edge of Shared Waters**" shows the different perspectives of fisheries, build areas and agriculture in the water management.

Cooperation between different experts makes it possible to harmonize the targets of land use, water management and biodiversity.

The parties featured in the video also work closely together outside the project.

AT THE EDGE OF SHARED WATERS

YHTEISTEN VESIEN ÄÄRELLÄ

<https://youtu.be/EacV9Inygc8>

It's All About Cooperation!



Thank you all for your cooperation in the project!

