

OUTPUT FACT SHEET

Pilot actions (including investment, if applicable)

Version 2

Project index number and acronym	CE983 FramWat
Lead partner	WULS
Output number and title	OT3.5 - Action plans for implementing N(S)WRM into the RBMPs; D.T3.5.8 - Action Plan for the Pilot catchment Bednja
Investment number and title (if applicable)	-
Responsible partner (PP name and number)	7. Hrvatske vode
Project website	https://www.interreg-central.eu/Content.Node/FramWat.html
Delivery date	06.2020

Summary description of the pilot action (including investment, if applicable) explaining its experimental nature and demonstration character

For the FramWat project 6 pilot catchments in Central Europe were chosen to test the NSWRM approach and the project tools. The pilot study report that presents the main outcomes for the pilot areas is called "Action plan". The Action plan of the project summarizes the work carried out in the Bednja pilot area during the project development that is considerable in terms of flood and water quality.

The Action plan was developed based on the Concept plan for the Bednja pilot catchment.

Within the scope of the project, a range of measures were selected in the Concept plan for the Bednja pilot river basin. The most important task of the Concept plan was to provide a proposal for the small water retention measures (NSWRM) that can be applied in the catchment, and also present a method how to identify the location of each measure in the area.

The existing Action plan for the Croatian pilot catchment Bednja provides a compilation of the modeling results and presents the effectiveness of a selected set of NSWRM in the Bednja catchment. The overall goal of the Action Plan is to support sustainable water management in the pilot area.

The Action plan provides steps, timeline, financial resources, and responsible actors for integrating NSWRMs into river basin management plans. The Action plan also includes monitoring of the measures implementation.

Structure and content of the Bednja Action plan:

- 1) Introduction, description of the catchment, main problems
- 2) Selection of measures - describing the process (modelling results, effectiveness etc)
- 3) Final cumulative efficiency
- 4) Implementation framework - legislation and financing
- 5) Monitoring - describing the monitoring of the implementation of the Action plan and the measures.

The Action plan for Bednja summarizes the work done in the pilot area during the project and provides the compilation of the catchment modeling results and presents the effectiveness of a selected set of NSWRM in the catchment.

NUTS region(s) concerned by the pilot action (relevant NUTS level)

Pilot action was conducted by project partner in pilot catchment: Bednja (HR044)

Investment costs (EUR), if applicable

not applicable

Expected impact and benefits of the pilot action for the concerned territory and target groups and leverage of additional funds (if applicable)

Conclusions and results regarding NSWORMs will be included in the preparation of the 3rd cycle of the national RBMP (2022-2027).

The selected NSWORMs in the Action plan can also be included in the other areas of Croatia.

The FramWat carried out the analysis and modelling of NSWORMs in the entire river catchment.

The Action Plan generally points out modeling possibilities and gives NSWORM effectiveness assessment with the help of models. Modelling which was used is a powerful analysis tool for effectiveness assessment of different measure types.

Using small water retention measures can also achieve better ecological status of surface water bodies, support the updating process of the River Basin Management Plans and reduce ecological pressures. More appropriate water management conditions in the pilot river basin will help to improve: flood safety, establish long-term sustainable water balance, nature conservation and economic benefits.

Sustainability of the pilot action results and transferability to other territories and stakeholders.

The implementation of Action plans was attended by Croatian Waters, which will contribute to the transfer of the developed approach to the planning of small water retention measures to other regions in Croatia.

Different pilot actions have shown that a dynamic approach towards NSWORM modelling and implementation can be a useful starting point for other Croatian catchments having an issue with floods.

Lessons learned and added value of transnational cooperation of the pilot action implementation (including investment, if applicable)

Transnational cooperation allowed to:

- establish cooperation between partners
- hear about different legal background and financing approaches for NSWORM
- benefit from other partners' experience and expertise and exchange knowledge in the field of NSWORM and modeling
- compare and evaluate the possibilities and problems of NSWORM implementation in the different countries
- learn about different approaches in water management in the different partner countries,
- get to know different catchments showing specific characteristics and problems
- see the strengths and weaknesses of the different country approaches

Contribution to/ compliance with:

- relevant regulatory requirements
- sustainable development - environmental effects. In case of risk of negative effects, mitigation measures introduced
- horizontal principles such as equal opportunities and non-discrimination

The activities planned on their basis will help to avoid negative effects of flooding. The Action plans for pilot actions take into account the needs and possibilities of the natural environment for water retention. The potential restrictions associated with environmental protection were taken into account during the development of Action Plans.

The planned measures also comply with the relevant national legal requirements. Developments contribute to the sustainable water balance, address flood and drought problems, improve water quality and mitigate the effects of climate change.

References to relevant deliverables (e.g. pilot action report, studies), investment factsheet and web-links

If applicable, additional documentation, pictures or images to be provided as annex

Report of deliverable from pilot action in the following river basin:

D.T3.5.8 - Action plan for Bednja (CRO)

Action plans for implementing N(S)WRM into the RBMPs are available on the website:

[https://www.interreg-central.eu/Content.Node/OT3.5---Action-plans-for-implementing-N\(S\)WRM-into-the-RB.html](https://www.interreg-central.eu/Content.Node/OT3.5---Action-plans-for-implementing-N(S)WRM-into-the-RB.html)