

OUTPUT FACT SHEET

Pilot actions (including investment, if applicable)

Project index number and acronym	CE983 FramWat
Lead partner	WULS
Output number and title	O.T1.3 - PILOT ACTION: testing GIS tool in the pilot catchments
Investment number and title (if applicable)	
Responsible partner (PP name and number)	<ol style="list-style-type: none"> 1. WULS 3. SWME 5. MTDWD 6. Limnos 7. HV 8. UL 9. WCL
Project website	https://www.interreg-central.eu/Content.Node/FramWat.html
Delivery date	10.2018

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

The pilot action concerned six catchments located in six countries with diverse character and problems. The aim of the work was to test FroGIS and develop a valorization map, which is a basic element for all activities in the FraWat project. Work started after conducted the course (D.T 1.2.2) and consisted collecting and harmonizing data to the required formats, preparing hydrological and meteorological data statistics, identifying areas with very high or low retention potential, developing a valorisation map and a report.

During the project, the leader prepared a series of instructions, carried out technical (online) meetings and made sure FroGIS was being updated. During the tests, meetings were held where stakeholders learned about the methodology and functionality of the FroGIS app and the results of the calculations. The Feedback meeting took place in November 2018 in Ljubljana. In addition, the results of the analyses were presented at two conferences in Krakow and Warsaw. They were also used to update the valorization methodology and FroGIS application.

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

Pilot action was conducted by project partners in six pilot catchment: Kamienna (PL721), Aist (AT313), Bednja (HR044), Nagykunsági (HU322), Slaná (SK032, SK042), Kamniska Bistrica (SI041). The total implementation area was 7610 km².

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)

Pilot action results have made the local stakeholder aware of the existence of many indicators that can be used to analyze the needs and capabilities of water retention in their region. The meetings have integrated water managers, foresters, farmers and environmental managers. Participants of the meetings got acquainted with the problems of the catchment identified in the project and had the opportunity to submit their own insights and ideas for solutions. In addition, they familiarized themselves with the functionality of the FroGIS application and may decide to use it in the future. The results of the meetings also provided important information for planning the implementation of N(S)WRM in the analyzed Pilot Catchment.

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

The main outcome of the analyses are maps of valorisation of the needs and possibilities of water retention, which will be published on the project website. In addition, based on the results of the analyses, a new version of the valorisation method and FroGIS application has been developed, which is available at <http://WaterRetention.sggw.pl>. In addition, stakeholders will receive an email informing about the results of the analyses and where one can find a map of valorisation.

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

As a result of the analyses, it was concluded that:

- the testing process has resulted in increasing all partners and the stakeholder's knowledge about spatial analysis and the indicators calculation,
- the stakeholders are very interested in the tool and the idea of catchment valorization, but some of them expect a simpler tool that does not require expert knowledge. For such users, FramWat project provides the developed Decision Support System still in which the educational part will be created and the valorization map will be provided by others users.
- the possibility to include in the tool expert judgement (e.g. in the selection of the indicators, in setting weights) on one hand, gives the possibility of using it across all of CE, on the other reduces its comprehensibility, reproducibility and transparency.
- the quality of valorisation results depends on the quality and scale of the used input data and the knowledge of the expert developing the valorisation.
- the methodology is developed to be used for planning purposes not for developing a project, therefore, when designing specific activities or objects, the needs of water users and environmental protection requirements, including environmental flows, should be taken into account,
- it has to be made clear that the tool is not applicable for assessments of extreme events.

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 developed valorisation maps for pilot actions take into account the needs and possibilities of the natural environment for water retention. This will allow facilitating sustainable development. In addition, the activities planned on their basis will help in a seminatural way to avoid negative effects such as drought, flooding, water pollution and the increase of sediment transport.

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

Six reports of deliverable DT1.3.1 from pilot actions - testing the prototype GIS Tools in the following river basins:
Kamienna, Asist, Bednja, Nagykunsági, Slaná, Kamniska Bistrica.

Valorisation maps are available here: <https://www.interreg-central.eu/Content.Node/FramWat.html>

Valorisation method and FroGIS app are available here: <http://WaterRetention.sggw.pl>