

INTEGRATED APPROACH ON CUMULATIVE EFFECTIVENESS ASSESSMENT

D.T2.5.1

Reports from national trainings

Croatia

Croatian Waters

Final

12 2019





1. General information

Country:	Croatia
Date & Place:	12/12/2019; Zagreb (Croatian Waters)
Organizers:	Croatian Waters - CW
Documents Please send together with the report: <ul style="list-style-type: none"> • Scan of list of participants • Agenda • Photos 	
Further engagement of the stakeholders Please do not forget to send report of the training also to all participants to keep them informed and engaged. Invite them also to subscribe to our newsletter, on our project webpage (at the bottom of the front page: www.interreg-central.eu/Content.Node/FramWat.html).	

2. Report

Agenda and main points of the trainings *(max 1000 characters)*

Please shortly describe the agenda of the trainings. Which topics did you cover? Who were the presenters? Did you connect with any other similar project/initiative/event?

Croatian Waters organized the workshop of national training on planning and evaluating the effectiveness of small water retention measures on the example of the Bednja catchment.

Mr Danko Biondić, Head of CW's Development Department, informed the attendees about the European projects in which Croatian Waters are now included stressing the importance of the FramWat Project and exchange of experience with stakeholders.

Mr Alan Cibilić, Mr.Luka Vukmanić and Renata Sutic presented:

- The FramWat Project in detail, both in general and per all work packages, as well as its objective, and achieved results till now.
- Frogis tool, static and dynamic tool used to analyze the effects of the planned measures.
- Concept Plan and planned measures in the pilot catchment area.

During the discussion participants expressed their opinions on the Frogis tool, the static and dynamic tools and Concept Plan. The attendees were given an opportunity to ask questions and give their comments and suggestions. The moderator of the concluding discussion was Mr. Alan Cibilić, Manager of the Croatian Project Component.



Participants (max 500 characters)

Shortly describe who were the participants, from which sector, institutions, levels, ...? How many of them, etc.?

Target groups	Number (please attach also list of participants)
Local public authority	
Regional public authority	2
National public authority	18
Sectoral agency	
Interest groups including NGOs	3
Higher education and research	
International organization	1
General public	

**according to the Target groups identified in AF*

Description:

The 24 participants stakeholders came from different sectors mostly from water management, international organization responsible for water management and from interest group.

Trainings and discussion (max 1000 characters)

How did the trainings and discussion take place (presentation of method, general discussion, in small groups, facilitated by whom)? Which topics/questions did you discuss? What were the main conclusions? (please attach also 2-3 photos)

After a short introduction to the event, Alan Cibilic and Luka Vukmanic presented the Landscape Valorization Method (WP1) and GIS Frogis Tool for identifying locations for N(S)WRM, the Concept Plan and the planned measures in the pilot catchment area of Bednja.

The methodology was explained and each work step was described: i.a. what catchment data is needed and how input data needs to be pre-processed, how to generate the Spatial Planning Units (SPU), what indicator groups exist and how indicators are calculated, what to do with the resulting correlation matrix, the different approaches to classify indicators, the aggregation method and definition of weights, and finally the generation and interpretation.

The static tool for the pilot catchment was presented to the stakeholders.

The dynamic modelling of the pilot catchment was presented by Mrs. Renata Sutic and the progress of the hydrological and hydraulic modelling and the outputs.

After each presented topic, the attendees were given an opportunity to ask questions and give their comments and suggestions.



3. Outcomes

Did you include any of the below proposed questions/topics into the discussion? If yes, please provide short feedback from your stakeholders:

Topic to be discussed with stakeholders	Stakeholder Feedbacks
T2 - Effectiveness of the NSWORMs	
Does the Static method on effectiveness assessment reflects the expectations of stakeholders, what are their expectations?	To some stakeholders this method initially seems to be too complicated.
Which other indicators of water retention (using N(S)WRM) should be incorporated into the Static method on effectiveness assessment?	No answer.
Are there experiences among the stakeholders with assessing, monitoring or modelling the effectiveness/relevance of the same type of measure within different climate regions, ecoregions, etc.?	Some of the stakeholders have experiences with modelling but they do not have that kind of experience.
How to assess the effectiveness of NSWORM - a request to provide a good case study or an already existing method	Proper hydrological and hydro-dynamical model could be effective to assess the impacts of NSWORMs.
What can be done to improve the accuracy of the Static Method to assess the cumulative effect of N(S)WRM in the river basins? Is it anyhow possible to assess the cumulative effect of N(S)WRMs?	It is important to have valuable data for this kind of analyses.
What is the appropriate scale to assess effectiveness of measures or to propose measures to the decision makers or stakeholders? Is it water body catchment, river basin, other division of land? Can decision maker/stakeholder (land owner/user) think at a catchment scales?	It was agreed that appropriate scale to assess effectiveness depends on the location and type of measures.
Are different kinds of stakeholders (foresters, farmers, water managers, etc.) willing to implement measures on the river basin with cumulative effects or rather choose one measure with maximum effect for their concern? How the priorities can be chosen?	No answer.
Is it possible to cover all problems of a particular pilot area within Expert variant and Local preferences variant of the Concept plan? Are they covering all problems/issues identified within Strategic documents of different policies?	Taking into account all problems of the pilot catchment is not possible, as there are too many of them. The Concept plan will not cover all kinds of problems.



Is it possible to use dynamic models for assessing the effectiveness and/or cumulative effectiveness of N(S)WRMs? Which ones? For each type of N(S)WRM, if not, for which of N(S)WRMs?	There was no clear answer.
Is it possible to use dynamic models to verify the results of the static method to assess effectiveness?	It depends on the type of the measure.
All Work Packages	
Are there any good practices in implementing NSWRM that could be shared among partners/countries in the region?	Existing practices were not implemented in the way as it is presented in the scope of this project.

Stakeholders' feedback (max 2000 characters)

What were stakeholder's comments/observations on the developed methods and planned FramWat outputs?

Were they interested to be further informed, involved into the project activities as defining the indicators, their values determination/estimation, dynamic modelling, measures proposals?

Stakeholders showed interest in the presented methods and planned outputs. They want to be further informed in the project activities and project progress.

Stakeholders were interested in the FroGis tool as it can be used for their existing planning tools. They were interested in the possibilities of the Landscape Valorisation Method and GIS Tool for identifying locations where N(S)WRM are needed. Also static and dynamic tools were recognized as applicable tools.

During the meeting there were also comments about the problems, catalogue of measures, possibilities of implementing measures. This tool can be used also in other areas in Croatia.

Outcomes (500 characters)

What would you consider to be the main outcomes of the National Trainings? Summarize in few points.

- It was presented to the stakeholders how to apply FroGIS and to find out the best location for NSWRM.
- Stakeholders indicated that it is important to have a balanced approach in implementing measures.
- The presented tools have to be more developed in the future.
- For better results there is a big need to have good data sets for succesful analyses.
- It was indicated where are the main problems in the catchment.
- The important outcome of the National Training is the integration of stakeholders, opportunity to test the tools, the discussion and exchange of experiences.



Next steps

Were there any further steps agreed with stakeholders on the National Trainings?

To keep participants involved, to share results from the pilot catchment and apply the developed methods and tools in other catchments.

Organizer's feedback on the process

Let us know if you like the way work with the stakeholders is organized within the project (plan, communication, etc.). What is missing? What kind of support would you like from us next time? Share your recommendations, comments, etc.

More effort should be put on stakeholder participation at events and engagement in general.