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OVERVIEW OF ACHIEVED PROJECT RESULTS AND UPCOMING ACTIVITIES RELATED TO APPLICATION AND IMPLEMENTATION ON THE PILOT AREAS

The main activities from Work Package T1 named Multihazard risk assessment procedures in partners countries were analyzed and compared. The produced WASPP - DSS tool (*Toolkit for Water Safety Planning Procedures Decision Support System*) has been partially tested in pilot areas, and an analysis and inputs from all partners in all addressed countries were given. Actual implementation on the pilot areas will help to improve Water Safety Plans defined by WHO 2005 and Drinking Water Directive.

The procedure of the tool's implementation has been particularly complex with the main reasons being huge differences in an actual status of implementation of the water safety plans. The general learning process for the WASPP-DSS tool, regarding the resilience management of water supply systems, is still being improved. The tool is based on the following hazards: floods, droughts, accidental pollutions, earthquakes and other possible risks. It will guide users on the preparation of Improved Water Safety Plans and support the UNAS community (Users Network Adrion water Safety plan). The first line of the users will be water utilities, water agencies, civil protection agencies, associations of water utilities, project associated partners and other relevant target groups.

The implementation on the pilot action areas will be performed by the main outputs from Work Package T1 while the derived outputs are applied and managed on the pilot areas. The beta version of the tool has been partially tested in pilot areas and the tool was adapted by the applicability of the data exchanged between partners. Each pilot area and pilot activities were defined by the four clusters: droughts, floods, failures due to earthquakes and accidental pollutions. In representative pilot action areas, considering the different vulnerability, hazards and risks, Improved Water Safety Plans for resilient water supply and planning mechanisms will be developed. Special attention will be given to the vulnerable parts of the whole water supply system in order to reduce potential hazards. The effectiveness and response time for relevant hazards will be tested on the join table-top exercises supported by EU Civil protection mechanism activation and the specific validation procedure will be performed at each pilot area.

Comprehensive table-top exercise will simulate the occurrence of a complex hazardous event and will be used to discuss and clarify roles, responsibilities and preparedness needs in a particular emergency, testing their emergency plan in an informal and low-stress environment. This exercise will directly involve all key relevant organizations, such as project and associated partners (Agencies, Water Associations, Utilities, local and regional governance structures). They will be able to participate and be involved in tested or implemented table-top exercises in their pilot areas. The exercise will result in an action plan for continuous improvement of the emergency plan and the reduction of the addressed four hazards.



All the outputs will be used by the water utilities, water authorities and civil protection who will be in charge of the development and activation of Improved Water Safety Plans. Products will provide and encourage the durability of the project. Improved understanding of the Improved Water Safety Plan within the pilot actions will be a benefit for future water utilities and users.

MAIN GOAL: PROVIDING GUIDELINES FOR IMPROVED WATER SAFETY PLANS

IMPLEMENTATION ON THE PILOT ACTION AREAS FOR IMPROVED WATER SAFETY PLANS

RELATIONSHIP WITH MAIN ACTIVITIES FROM WORK PACKAGES

WPT1

Collection of specific information from the testing phase of the WASPP-DSS tool on the pilots action areas.

WPT2

Using WASPP-DSS tool, action plans and methods will help in the development of table-top exercises for improved WSS reliability. The exercise will result in an action plan for improvement of the emergency plan.

WPT3

Improved Water Safety Plans and certain situation in water utilities will be supported by a harmonized action plan, methods and tools in the adriatic-ionian area addressing water-related response to floods, droughts, accidental pollutions and earthquakes.

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