

INTERREG V-A Italy-Croatia CBC Programme 2014-2020

Project Partner Activity Report - *NON-BINDING TEMPLATE*

Standard+ Project Partner Activity Report

1. Identification

Project title	<i>Adriatic DSS exploitation for MOnitoring and Risk management of coastal Extreme weather and flooding</i>		
Project acronym	<i>AdriaMORE</i>		
Project number	10044343		
Project duration	Start date	01/01/2018	18
	End date	30/09/2019	
Programme priority	Axis 2		
Programme priority specific objective	<i>Specific Objective 2.2</i>		
Reporting period	01.01.2018- 30.06.2019		

Partner's details	
PP name	<i>Meteorological and Hydrological Service (DHMZ)</i>
PP number	PP2
PP Contact details	
name	<i>Kreso Pandzic</i>
e-mail address	<i>pandzic@cirus.dhz.hr</i>
telephone	<i>+385 91 45 64 684</i>
Partners' bank details	
Bank name	<i>Hrvatska narodna banka</i>
Bank address	<i>Katanciceva 5, Zagreb, Croatia</i>
Account number	<i>HR1210010051863000160</i>
IBAN	
SWIFT	<i>NBHRHR2XXXX</i>
Account holder's name	<i>State Budget of the Republic of Croatia</i>

2. Main achievements

Please describe project progress up to now including specific objectives reached and main outputs delivered. Please also detail the involvement of target groups (if applicable, how did you involve target groups (and other stakeholders) in the development of the project main outputs.

Sea level, hydrological and precipitation data for 2018 and some other pilot extreme cases (e.g. for the period October-December 2010) have been sent to CETEMPS, University L'Aquila, Italy, for study extreme precipitation and flood phenomena in Dubrovnik-Neretva region.

A team of expert: Ivan Bujger, Dejan Mladenović and Davor Tomšić made a lot efforts for finalization of public tender for purchase of wind profiler. Finalisation of the purchase process was done by an Agreement between supplier and DHMZ signed on 16 April 2019. Installation of the wind profiler at GMP Dubrovnik was done from 21 to 29 May 2019.

Dr. Kreso Pandzic, Davor Tomšić and Oliver Curić attended the Third AdriaMore Project and Steering Committee Meeting held in Venice on 2 April 2019. Each Project Partner represented activities including DHMZ (PP2). A proposal for new PP2 budget has been suggested what was accepted by all Project Partners.

Details are in DHMZ presentation enclosed.

3. Target groups

Target groups (AF Section F)	Target value	Target groups reached in previous reporting periods	Target groups reached in this reporting period	Source of verification	Description of the target group involvement
Target group 1 (from AF)	from AF	Dubrovnik - Neretva County	Dubrovnik - Neretva County	Published an article in "Libero Portal", web portal in Dubrovnik - Neretva County, prepared on occasion of wind profiler installation at GMP Dubrovnik from 21 to 29 May 2019. https://www.liberoportal.hr/foto-libar/novost-u-dubrovackoj-meteoroloskoj-postaji-odsad-cemo-lakse-i-tocnije-prognozirati-vrijeme-foto	Representatives of Dubrovnik - Neretva County region media participate in preparation of the article including representatives of Dubrovnik - County and DHMZ.
Target group 2 (from AF)	from AF	To be inserted from previous reports			
Target group n (from AF)	from AF	To be inserted from previous reports			

4. Reporting per Work Package

WP nr.	WP title	WP start month	WP end month
0 - 5	Project preparation / management / communication / implementation		
Please describe the progress in this reporting period and explain how you were involved			

WP 1 Project management and coordination of activities

AdriaMORE the Third Project and Steering Committee Meeting Outcomes

Venice, 2 April 2019

All partners represented activities on the AdriaMore project for the period November 2018 – March 2019. Krešo Pandžić, Davor Tomšić and Oliver Curić represented activities done for DHMZ component of the project. DHMZ presentation is enclosed.



Participants of the Third AdriaMore Project and Steering Committee Meeting
2 April 2019 in Venice

WP 2 Communication activities

Mr Mato Tomljanović, contact for the PP1 (the Dubrovnik Neretva County) which is leading partner for the WP 2 of the AdriaMore Project, organized, via local media, presentation of final installation of the wind profiler at GMP Dubrovnik on 29 May 2019. The results are published at:

<https://www.liberoportal.hr/foto-libar/novost-u-dubrovackoj-meteoroloskoj-postaji-odsad-cemo-lakse-i-tocnije-prognozirati-vrijeme-foto>



Local media representatives on the right side and Davor Tomšić (DHMZ) on the left,
on 29 May 2019 at GMP Dubrovnik

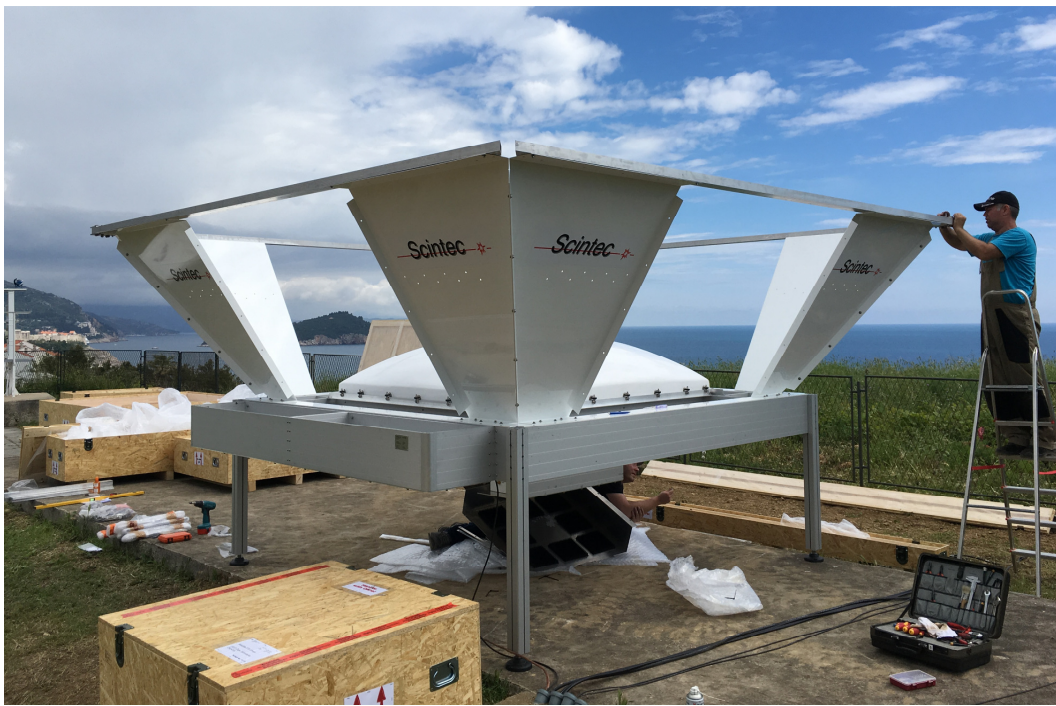
WP 3 Monitoring network improvement for coastal flooding and extreme weather risk management

Activity 3.4

By efforts of DHMZ staff purchase process has been successfully done on 16 April 2019 by signing an Agreement between supplier and DHMZ. About a month later expert team from supplier came to install wind profiler at GMP Dubrovnik weather station together with DHMZ staff. The installation lasted from 21 to 29 May 2019. A training has been done by supplier for a number of DHMZ technical staff. Currently, wind speed and direction data are available each 10 minutes up to about 5 kilometers above ground. These data are, since 28 May 2019, operationally available to all Adriatic PPs as well as to World Meteorological Organization (WMO) members via WMO and EUMETNET telecommunication lines in BUFR format. Maintenance of the wind profiler will be done by DHMZ.

CETEMP and DHMZ made application of WRF-Adria atmospheric model for weather forecasting case studies with and without wind profiler data. A comparison between existing reanalysis data and wind profiler data has been performed.

More details have been done in “D3.4.1 A report on verification of wind forecast in Dubrovnik area before and after installation of wind profiler”.



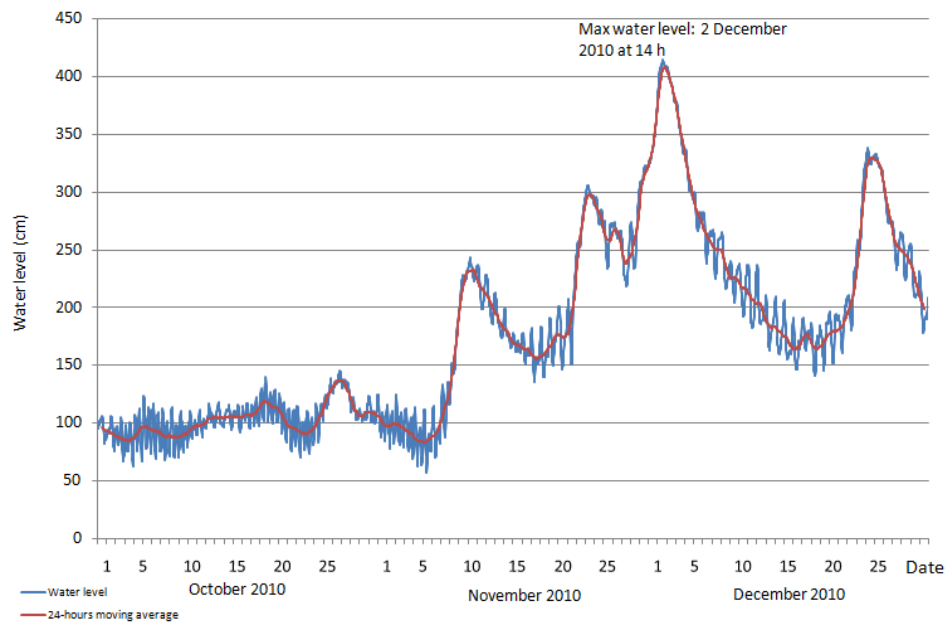
Instalation of wind profiler at GMP Dubrovnik from 21 to 29 May 2019



The wind profiler instaled at GMP Dubrovnik (on the right side of photo)

WP 4 Forecast numerical modeling for coastal extreme weather and flooding risk management

Sea level, hydrological and precipitation data for 2018 and some other extreme pilot cases (e.g. October to December 2010) have been sent to CETEMPS, University L'Aquila, Italy, for study extreme precipitation and flood phenomena in Dubrovnik-Neretva region. A strong flooding event for the beginning December 2010 (figure below) indicate a strong influence of tides especially during low water levels in the Neretva River.



Hourly water levels (cm) for Metkovic hydrological station for the period
October – December 2010 (source: DHMZ)

WP 5 Integration and testing of decision support system for coastal flood and extreme weather early warning

Continuous cooperation with LP of the WP2 in exchange meteorological, hydrological and sea level data.

plan presented in the application form and the solutions found.				
Project outputs	Output description	Delivery month	Output quantification (achieved in this reporting period)	Sustainability and ownership of output
<i>Output title</i>	Project Partner 2 Report	January 2019	All activities of the DHMZ on AdriaMore project are represented for the second project period	Available to all project partners
<i>Output title</i>	Sea level, hydrological and precipitation data for 2018 and extreme events in Dubrovnik Neretva Region	February - May 2019	Historical data for a number of weather, hydrological and sea level stations in Dubrovnik Neretva Region for 2018 and some extreme pilot cases (e.g. October to December 2010).	Available to all project partners
<i>Output title</i>	Purchase process finalization and installation of wind profiler	January to May 2019	Installed wind profiler at the GMP Dubrovnik from 21 to 29 May 2019 after a finalization of purchase process and signing agreement between DHMZ and supplier	Available to all project partners
<i>Output title</i>	D3.4.1 A report on verification of wind forecast in Dubrovnik area before and after installation of wind profiler	May 2019	Comparison between existing reanalysis data and wind profiler data as well as a comparison of weather forecasting case studies with and without wind profiler data.	Available to all project partners

5. List of annexes

Please list all the attachments to the PP Activity Report (to be delivered to the LP via email) e.g. proofs of outputs and deliverables achieved in the reporting period:

1. Krešo Pandžić, Davor Tomšić and Oliver Curić, Presentation in Venice on 2 April 2019
2. D3.4.1 A report on verification of wind forecast in Dubrovnik area before and after installation of wind profiler