

MoST

Monitoring Sea-water intrusion in coastal aquifers and Testing pilot projects for its mitigation

ID 10047743

Info day/field trip in

Metkovic 14th June

2021

FOLLOW-UP REPORT

Work Package:	2. Communication activities
Deliverable:	WP2.3_PP3_ Follow-up report

Version:	Final	Date:	06/2021
Type:	Report		
Availability:	Public		
Responsible Partner:	DUNEA		
Editor:	DUNEA		

Project partners:

- **UNIVERSITY OF PADUA (LP);**
- **NATIONAL RESEARCH COUNCIL, INSTITUTE OF MARINE SCIENCES (CNR ISMAR) – HEADQUARTER OF VENEZIA (PP1);**
- **LAND RECLAMATION AUTHORITY ADIGE EUGANEO (PP2);**
- **VENETO REGION (PP3);**
- **UNIVERSITY OF SPLIT, FACULTY OF CIVIL ENGINEERING, ARCHITECTURE AND GEODESY (PP4);**
- **CROATIAN WATERS (PP5);**
- **REGIONAL DEVELOPMENT AGENCY DUBROVNIK-NERETVA COUNTY- DUNEA (PP6);**

List of participants

LP: Paolo Salandin, Pietro Teatini, Anna Botto, Luigi Bottegal, Ester Zancanaro

PP1: Alessandro Bergamasco, Luigi Tosi (online presence)

PP3: Valentina Bassan, Giuditta Gabrielli, Roberto Socin

PP4: Veljko Srzić, Toni Livak, Ivan Lovrinović, Ivan Racetin, Iva Matić

PP5: Stjepan Kamber, Joško Erceg, Anita Brajković

PP6: Petar Maleta, Antonija Odak

Starter (Technical Assistance): Lucia Brusegan, Enrico Pretto

The regional agency DUNEA organized an info day and a visit to the pilot area on June 14, 2021 as part of the MoST. As part of the MoST project, salinity measurements are being carried out at several locations in Neretva, in order to reduce the negative effect of saltwater intrusion and protect agricultural production and the environment, which was the main topic of the event. The info day was organized at the Narenta hotel in Metković, and after that a field trip was organized, in which, in addition to project partners from Italy and Croatia, representatives of the Dubrovnik-Neretva County, cities and municipalities, public institutions, as well as representatives of schools and companies participated which are closely related to the project activities.





AGENDA-Info day

General / introductory part

09:00 - 09:30 Registration

09:30- 09:45 Welcome speech (representative of the Dubrovnik-Neretva County)

09:45 – 10: 00 Interreg CBC Program Italy - Croatia (Mrs. Dijana Gracin-Petrović)

10:00 - 10:15 Presentation of the Europe Direct Dubrovnik-Neretva County and EU Green Plan (DUNEA)

10:15 - 10:30 Presentation of the MoST project (Prof. Paolo Salandin, Department of Civil, Environmental and Architectural Engineering - University of Padova)

10:30-11:00- coffee break

Project activities

11:00 - 11:15 Veljko Srzić: Monitoring sea water intrusion in lower Neretva valley – system set up and MoST web and mobileApp

11:15 – 11:30 Ivan Lovrinović: Processes influencing sea water intrusion in lower Neretva coastal aquifer system

11:30 - 11:45 Iva Matić: Modelling sea water intrusion in Neretva coastal aquifer system - present state and future steps

11:45-12:00 Chiara Cavallina: The Italian pilot site MoST: hydro-stratigraphy and groundwater dynamics

12:00 – 12:15 Ester Zancanaro: Characterization of hydrologic parameters at the Venice coastal farmland by assimilating water content records

12:15 – 12:30 Pietro Teatini / Anno Botto: Modelling of a recharge drain to mitigate saltwater contamination at the Venice farmland. Preliminary analyses

12:30- 13:00 Conclusions and discussion

13:00 - 14:30 Lunch

Field trip:

14:30 -15:00 Area above Vidrice (panoramic view to the valley)

15:15 - 15:45 Linnigraph and gates in Opuzen (Mala Neretva)

16:00 - 16:30 Visit to meteorological station monitoring location and Jasenska monitoring location

16:45 - 17:30 Tour to Diga, pumping station Modrič and near shore monitoring location 18:00 -

19:30 Dinner (Tavern Buđoni)

*the official language during the info day is Croatian, and we have provided a translator for Italian partners (translation from Croatian to English)

Info:

Location: Hotel Narenta, Splitska 57/A, Metkovic 20350 Croatia

Metković is a town in the Dubrovnik-Neretva County (Republic Croatia), located in the very southeastern part of the country, at the bank of the river Neretva, close to the border with Bosnia and Herzegovina. Dubrovnik Airport is located 47 miles away from Metković.

Contacts: Please confirm your participation through the following email and provide your Power Point presentation to be given during Infoday no later than Friday June 11th

Antonija Odak – DUNEA

(aodak@dunea.hr)

Petar Maleta - DUNEA

(pmaleta@dunea.hr)

***Special recommendations for partners:**

-Wear a mask that covers your nose and mouth to help protect yourself and others

-keep a minimum distance

-<https://mup.gov.hr/uzg-covid/english/286212>

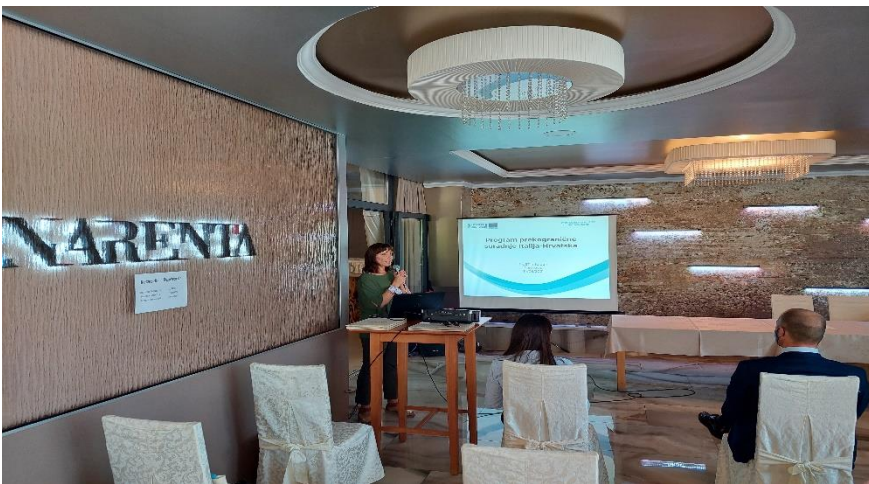
-<https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/prevention.html>

We are available for further assistance if needed. Do not hesitate to contact us.

PRESENTATION-INFODAY



Representative of the Dubrovnik-Neretva County Mr. Miho Baće



Interreg CBC Program Italy - Croatia (Mrs. Dijana Gracin-Petrović)



Presentation of the Europe Direct Dubrovnik-Neretva County and EU Green Plan (Mrs Antonija Odak-DUNEA)



*Prof. **Paolo Salandin**, Department of Civil, Environmental and Architectural Engineering, University of Padova – Lead Partner of MoST Project illustrated the issue studied and the main objective of the Project*



Prof. Veljko Srzić, Department of Water Resources, Faculty of Civil Engineering, Architecture and Geodesy, University of Split - Monitoring sea water intrusion in lower Neretva valley – system set up and MoST web and mobileApp



Dr. Iva Matić, Department of Water Resources, Faculty of Civil Engineering, Architecture and Geodesy, University of Split illustrated the Numerical modeling activities and mitigation measures implementation



Dr. Anno Botto: Modelling of a recharge drain to mitigate saltwater contamination at the Venicefarmland



Prof. Pietro Teatini: Modelling of a recharge drain to mitigate saltwater contamination at the Venicefarmland



Dr. Ester Zancanaro: Characterization of hydrologic parameters at the Venice coastal farmland by assimilating water content records

- **Discussion and conclusions**

After the overview of what has been done on project activities and deliverables project partners agreed on further activities until the end of project implementation in June 2020;

- project partners agreed on internal flexibility on project outcomes content and visual identity due to the COVID 19 circumstances which disabled the possibility to organise physical meetings for app. 18 months. Instead, additional effort is to be given on deliverables quality and their contribution to mitigation of sea water intrusion when dealing with both sites, Italian and Croatian

- Professor Salandin expressed the gratitude to all the participants and organizers for Info day and field trip

The meeting ended at around 01:00 pm.

FIELD TRIP:



panoramic view to the valley

After the Info Day, the project partners and other stakeholders went on a tour of the pilot area and visited the Modrič Pumping Station, under the guidance of Prof. Veljko Srzić (FGAG) and Joško Erceg (Hrvatske vode).



