MoST

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

ID 10047743

Final event in Dubrovnik

13th and 14th June 2022

FOLLOW-UP REPORT

Work Package:	**2. Communication activities**
Deliverable:	**WP2.3_PP4_ Follow-up report**

Version:	**Final**	**Date:**	**06/2022**
Type:	**Report**		
Availability:	**Public**		
Responsible Partner:	**FGAG, DUNEA and CW**		
Editor:	**FGAG, DUNEA and CW**		

Final event - Dubrovnik

Project partners

- University of Padua, Department of Civil, Environmental and Architectural Engineering (LP)
- National Research Council, Institute of Marine Science (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 - FGAG (PP4)
- Croatian Waters - CW (PP5)
- Regional Development Agency Dubrovnik-Neretva County – DUNEA (PP6)

The final event organized on 13th and 14th of June 2022 by Faculty of Civil Engineering, Architecture and Geodesy, University of Split (PP4) in Dubrovnik, was foreseen by the AF of the MoST Project and by the Communication Plan in WP2. It was addressed mainly to public authority (local, regional and national), but was also open to universities and research institutes and to general public. Representatives of all relevant educational institutions as well as representatives of local authorities attended the event. Event was covered by the media, local radio and national television representatives attended the event and made release about its outcomes. English translation was guaranteed.

Participants of the final event

Technical publication given to all participants during the event

Equipment used for simultaneous translation

Prof. Veljko Srzić, Department of Water Resources, Faculty of Civil Engineering, Architecture and Geodesy, University of Split and Mr. Nikola Dobroslavić, Dubrovnik-Neretva county major interviewed by media representatives

Final event was organized during two-days period.

During the first day (June 13th 2022) after a welcome session and main tasks for the Final event to be given day after, have been set up, Dubrovnik old town and stone walls sightseeing was organized followed by dinner for all project team members.

The second day of the Final event (June 14th 2022) presentation of the MoST project activities, implementation and outcomes on both Croatian and Italian sites has been accomplished.

During the event, two project videos that summarize description of the project and all outcomes have been presented. Those videos are available via YouTube links:

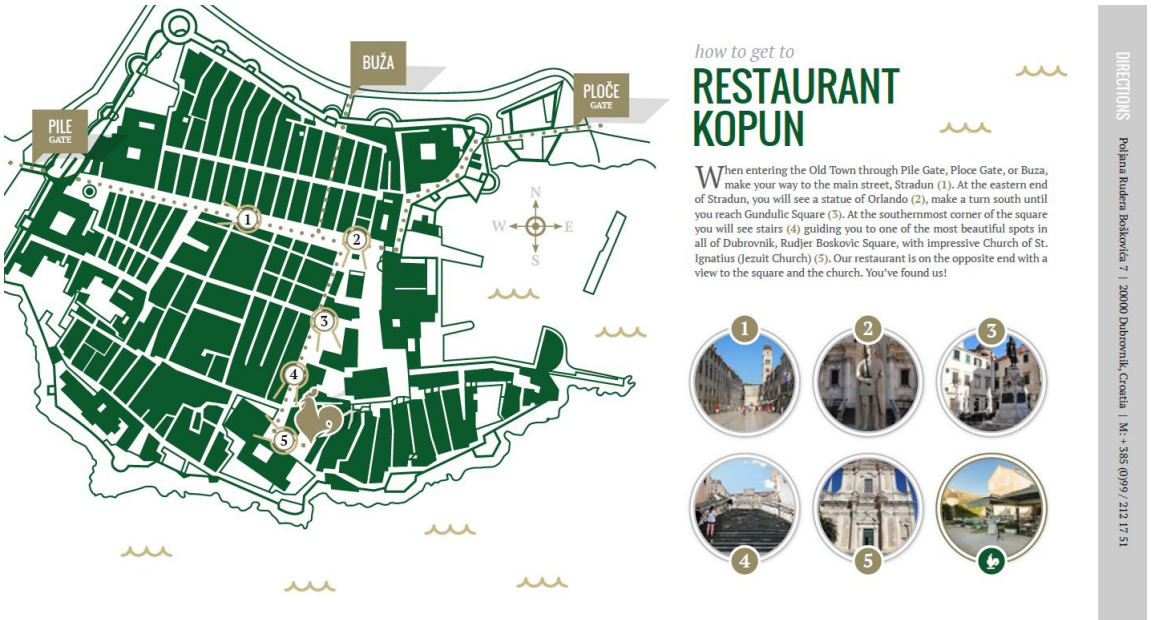
https://youtu.be/F8vvh2UHE6c

https://youtu.be/HzbXUcIFP7g

The final event agenda

June 13th 2022

Until 16:00- Check in of PP and LP representatives at the venue Studentski dom Dubrovnik, Ul. Marka Marojice 2B, 20000 Dubrovnik
17:00- Bus transfer from the venue place to the Old town Dubrovnik
17:15 -19:30- Old town and stone walls sightseeing
From 20:00- Dinner for project partners in restaurant Kopun Poljana Rudera Boskovica 7, 20000 Dubrovnik Bus transfer back to venue



June 14th 2022

9:00– 9:30 Registration of participants

9:30 – 10:00 Opening session

- Mr. Bruno Bebić, DUNEA deputy director;
- Prof. Paolo Salandin (Uni Padua), MoST Lead partner representative;
- Prof. Nikša Jajac, dean of the Faculty of civil engineering, architecture and geodesy Uni Split;
- Mr. Nikola Dobroslavić, Dubrovnik-Neretva county major;

10:00 – 11:00 MoST project activities and outcomes – Croatian site

- Neretva coastal system: past, present, future (Veljko Srzić / Iva Matić / Ivan Racetin)

11:00 – 11:15 Open discussion on Croatian pilot site outcomes

- Active involvement of LP, Project partners, authorities, stakeholders and agencies

11:15 – 11:35 Coffee break and refreshment for participants

11:35 – 12:35 MoST project activities and outcomes – Italian site

- Hydro-stratigraphycal setting, aquifer monitoring and vulnerability of the Venice site (by Chiara Cavallina / Luigi Tosi, CNR-IGG);
- Hydrological and agronomic monitoring of the Venice experimental site (by Ester Zoccarato, UNIPD);
- Field infrastructure and laboratory physical model (by Paolo Salandin / Tommaso Trentin, UNIPD);
- Local to field-scale numerical modelling of subsurface flow and saltwater mitigation (by Anna Botto /Pietro Teatini, UNIPD);
- Guidelines on crop production rules and irrigation strategies to contrast salinization effects (by Francesco Morari, UNIPD);

12:35 – 12:45 Open discussion on Italian pilot site outcomes

- Active involvement of LP, Project partners, authorities, stakeholders and agencies

12:45 – 13:00 Finalization and general conclusions on project outcomes and perspective of CBC collaboration

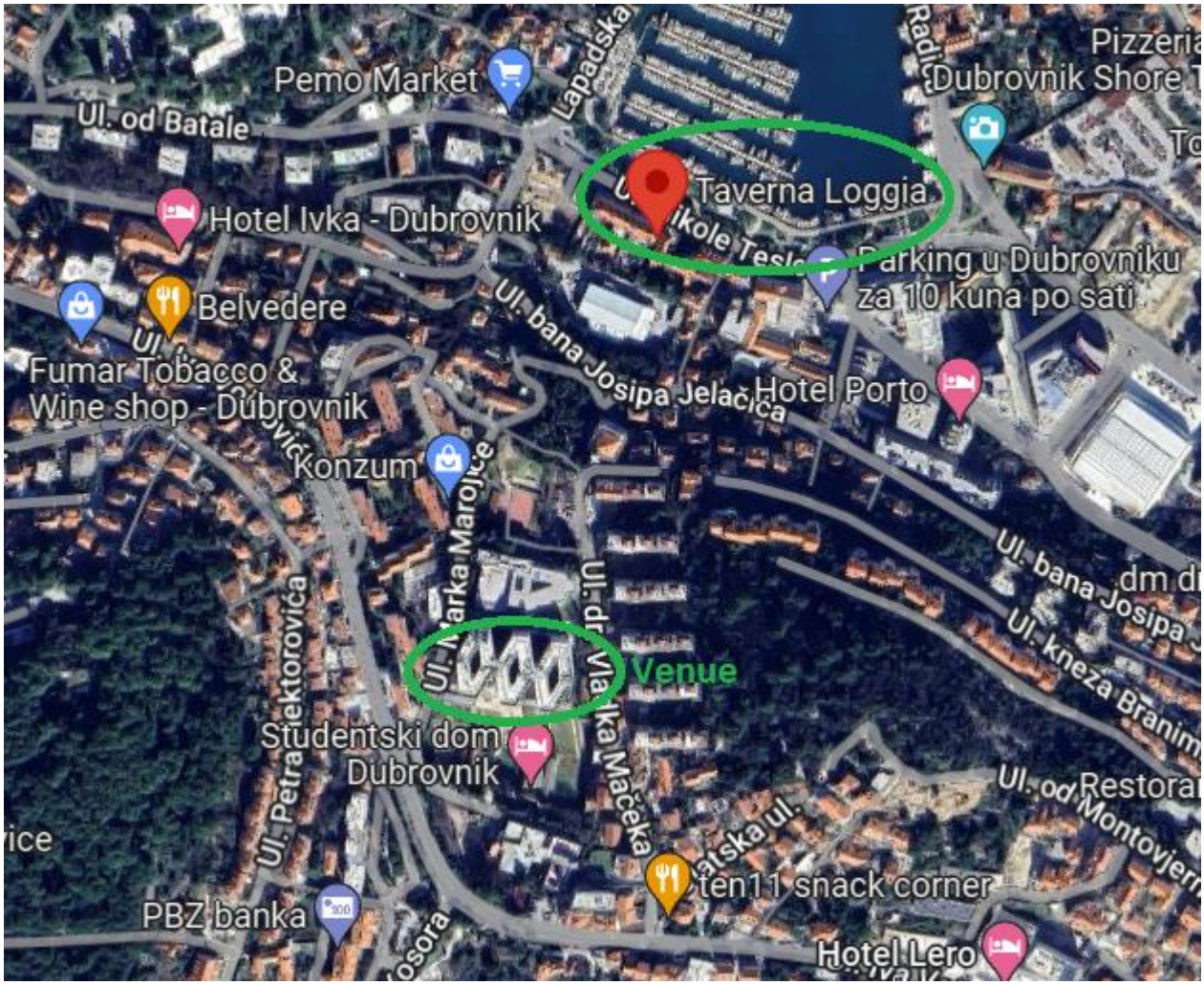
- The state of the art of reporting and Project Closure process - Mr. Enrico Pretto (Starter s.r.l.);
- General conclusions from project MoST outcomes (by Paolo Salandin UNIPD / Veljko Srzić UNIST-FGAG);

13:10 – 14:45 Lunch break

- Buffet for all participants

From 19:00 Closure dinner for project partners

Tavern Loggia, Ul. Nikole Tesle 8, 20000, Dubrovnik



Location:

Final high level event venue:

Conference hall - Studentski dom Dubrovnik, Ul. Marka Marojice 2B, 20000, Dubrovnik

Note: Parking place available for project partners

Presentation during the final event

9:30 – 10:00 Opening session

Mr. Bruno Bebić, DUNEA deputy director

Prof. Paolo Salandin (Uni Padua), MoST Lead partner representative

Mr. Nikola Dobroslavić, Dubrovnik-Neretva county major

10:00 – 11:00 MoST project activities and outcomes – Croatian site

Prof. Veljko Srzić, Department of Water Resources, Dr. Ivan Racetin, Department of geodesy and geoinformatics and Iva Matić, Department of Water Resources, Faculty of Civil Engineering, Architecture and Geodesy, University of Split presented *"Neretva coastal system: past, present, future"*

11:35 – 12:35 MoST project activities and outcomes – Italian site

Dr. Luigi Tosi - Dr. Chiara Cavallina, Institute of Geosciences and Earth Resources-National Research Council, Padova presented *"Hydro-stratigraphycal setting, aquifer monitoring and vulnerability of the Venice site"*

Dr. Ester Zancanaro, Department of Civil, Environmental and Architectural Engineering, University of Padova presented the *"Hydrological and agronomic monitoring of the Venice experimental site"*

Prof. Paolo Salandin - Dr. Tommaso Trentin, Department of Civil, Environmental and Architectural Engineering, University of Padova presented *"Laboratory physical model: experiment outcomes for homogeneous and heterogeneous aquifers"*

Prof. Pietro Teatini - Dr. Anna Botto, Department of Civil, Environmental and Architectural Engineering-University of Padova presented the *"Local to field-scale numerical modelling of subsurface flow and saltwater mitigation"* in the Venice site.

Prof. Francesco Morari, Department of Agronomy, Animals, Food, Natural resources, and Environment, University of Padova presented the *"Guidelines to contrast salinization effects on crop production"*

12:45 – 13:00 Finalization and general conclusions on project outcomes and perspective of CBC collaboration

Prof. Francesco Morari, Department of Agronomy, Animals, Food, Natural resources, and Environment, University of Padova presented *"The state of the art of reporting and Project Closure process"*

Prof. Paolo Salandin, Department of Civil, Environmental and Architectural Engineering, University of Padova and Prof. Veljko Srzić, Department of Water Resources, Faculty of Civil Engineering, Architecture and Geodesy, University of Split presented *"General conclusions from project MoST outcomes"*

Discussion and conclusions

At the end of the conference the importance of informing and raising awareness about sea water intrusion and its effects on contamination of agricultural land was emphasized. New effective approaches suitable for minimizing negative consequences of this phenomenon were presented.

On the basis of these considerations, some proposals were put forward and discussed:

- Before the implementation of mitigation measures all parameters that affect salt water intrusion must be known and all potential measures need to be tested in laboratory settings and on the model.
- Climate changes will have negative effect on the area on River Neretva Valley and will contribute to advancement of salt water intrusion.
- Involvement of general population and local farmers, just like scientists and researchers, is necessary for finding optimal solution for problem of contamination of agricultural land.

Representatives of public and local authorities were interested in project outcomes and general conclusion was that project MoST is good basis for continuation of work on the topic of salt water intrusion.

After the final event presentations, buffet lunch was arranged for all participants.

Buffet lunch for all participants

One day before final event in Dubrovnik, on June 13th 2022, old town and stone walls sightseeing and dinner for project partners in restaurant Kopun was organized for all PPs.

Sightseeing of Dubrovnik old town and stone walls

Group photo during the visit to the historic centre

Dinner for all project partners in restaurant Kopun

MoST

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

ID 10047743

Final event in Metkovic

15th June 2022

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

Version:	**Final**	**Date:**	**06/2022**
Type:	**Report**		
Availability:	**Public**		
Responsible Partner:	**DUNEA and FGAG**		
Editor:	**DUNEA and FGAG**		

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);

On Wednesday, 15th of June 2022, the Regional Development Agency DUNEA organized a final event at the Narenta Hotel in Metković, where the Croatian partners presented the results of the project to local stakeholders. FGAG representatives Veljko Srzić, Iva Matić and Ivan Racetin held presentations on measurements in the Neretva valley, numerical models and some predictions about possible scenarios in the Neretva valley.

Final event presentation in Metković

AGENDA-Info day-final event

09:45 – 10:00 Registration

10:00- 10:10 Welcome speech (Director of Regional agency of DUNEA)

10:10- 10:20 Welcome speech (representative of the city of Metković)

10:20- 10:30 Welcome speech (representative of the Dubrovnik-Neretva County)

Project activity

10:30 –10:45 Basic information about project MoST (Petar Maleta DUNEA)

10:45 – 11:45 Veljko Srzić, Iva Matić i Ivan Racetin (FGAG): A systematic approach in the definition of the procedure

improvement of water quality in the Neretva Valley

11:45-12:00 coffee break

12:00- 12:30 Conclusions and discussion

12:30 - 14:00 Lunch

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 Herzegovinia. Dubrovnik Airportis located 47 miles away from Metković.

Contacts: Please confirm your participation through the following email and provide your Power Pointpresentation

Antonija Odak – DUNEA (aodak@dunea.hr)

Petar Maleta - DUNEA (pmaleta@dunea.hr)

Special recommendations for partners:

-keep a minimum distance

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

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

PRESENTATION-FINAL EVENT

Director of Regional agency DUNEA

Representative of the city of Metković

Representative of the Dubrovnik-Neretva County

Mr. Petar Maleta (DUNEA)-about project MoST

Prof. Veljko Srzić, Department of Water Resources, Faculty of Civil Engineering, Architecture and Geodesy, University of Split and 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

•Discussion and conclusions

The representative of Hrvatske vode Stjepan Kamber emphasized the importance of informing and raising awareness about the contamination of agricultural land with salt water and educating the interested public about new effective approaches to minimizing the negative consequences of this phenomenon.

Representatives of public and local bodies were very interested and satisfied with all the activities carried out and the results obtained through the MoST project, and they conclude that this is a good basis for continuing work on this topic. Also at the final event were farmers from the Neretva valley who are also satisfied that the project team is trying to find real solutions to the problem of salinity of agricultural land.

The final event ended at 12:30