WP 5.2. TRAINING REPORT

Pula Airport

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I.   DOCUMENT CONTROL SHEET

Project acronym	ADRIGREEN
Project Title	Green and Intermodal solutions for Adriatic airports and ports
Axis	Maritime transport
Specific Objective	4.1- Improve the quality, safety and environmental sustainability of marine and coastal transport services and nodes by promoting multimodality in the Programme area.
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II.   INTRODUCTION

The objective of WP 5 "Networking and training on Green and Intermodal solutions" is to go beyond ADRIGREEN partnership, paving the way to the capitalisation and dissemination of project results.

To achieve this aim, within the activity 5.2. "Training activities", the partnership will organise n. 4 trainings, tackling the following strategic topics:

- *Technological solutions and procedures for lowering the environmental impacts in airports and ports*, to be organised by Airport of Apulia and Pula Airport, in collaboration with Pula Port Authority;
- *Intermodal and multimodal transport*, to be organised by Airiminum and Dubrovnik Port Authority.

The geographical balance of trainings' organisation aims at smoothing the engagement of relevant stakeholders. In addition, the organising partner can benefit of the support of Polytechnic University of Marche, as scientific and technical expert to fine-tune training programmes.

The aim of this report is to give an assessment of the training activity organised by Pula Airport, addressing "Digitization of maritime ports & impact on port sustainability" and " Environmental sustainability in ports & airports ".

The report gives an overview of the main topics talked by the training seminar, providing a focus also on participants' feedback, as key element for an effective investment in strategic human resources competences.

III. PROJECT BACKGROUND AND OBJECTIVES

One of the main problems that characterize the Adriatic coastal area is the imbalance in the development of infrastructure and means of transport. Italy and Croatia are rich in maritime cities, which have to deal with a very high number of passengers, especially during the summer season. Even though the road transport is still predominant, the number of people that are reaching Adriatic cities by ferry and by plane is significantly increasing year by year. However, most of Adriatic ports and airports are suffering from lack of integration with other means of transport that affect the concept of seamless intermodal transport in the Region.

ADRIGREEN- Green and intermodal solutions for Adriatic ports and airports, financed by the INTERREG V-A Italy Croatia CBC Programme 2014-2020, intends to improve the integration of Adriatic ports and airports with other means of transport by testing intermodal operational and technological solutions.

The project has started in January 2019 and it will end in December 2021. The total budget amounts to 2.104.217,00 EUR, 85% of which is co-financed by the ERDF fund (European Regional Development Fund). The project, led by Pula Airport Authority, will be implemented in close cooperation with the following project partners:

 1. Pula airport (Lead Partner)

2. Dubrovnik airport

3. Airports of Apulia

4. AIRiminum 2014 S.p.A.

5. Abruzzo Airport Management Company

6. Dubrovnik Port Authority

7. Central Adriatic Ports Authority

8. Pula Port Authority

9. Polytechnic University of Marche

IV.   TRAINING REALISATION

Please find below a detailed report on the training organisation and the main topics tackled.

The training was held on-line on the 14th July 2021 from 2 p.m. until 6 p.m.

The training main topic was named after the 2 main session that were carried out: "Digitization of maritime ports & impact on port sustainability" and "Environmental sustainability in ports & airports".

The lecturers were Prof. Vlatka Stupalo, lecturer at the University of Zagreb Faculty of Transport and Traffic Sciences, for the first session; and Prof. Matija Bračić, lecturer at the University of Zagreb Faculty of Transport and Traffic Sciences, for the second session.

Main objectives of the training were to encourage awareness, initiative and agency for operators in airports and ports in the key areas of reducing infrastructural environmental impact through modern, innovative and cutting-edge solutions.

The training included the following macro-topics:

• The state of the art in current digitization and environmental efficiency performance in ports and airports;

• The challenges of the immediate future for infrastructure digitization and optimal environmental performance;

• Immediate, Short-term and Medium-term recommendations for accelerating digitization;

• Optimal Architecture of a Port Community System;

• Port Management System and cybersecurity;

• Different kinds of pollution in airports and their related issues (before and after Covid-19): air pollution, greenhouse gas emissions, noise pollution, waste pollution, congestion on the ground side and urban transport solutions;

• Measures to reduce negative environmental impacts at airports & a balanced approach to aircraft noise management;

• Implementation of new management concepts A-CDM system;

• Overview of Implementation of technical-technological solutions at the airport

The entire presentation of the training can be viewed via following link https://drive.google.com/drive/folders/1xiS4dfHutIe_Qbh8ORJQx7iXyj1UIpql .

V. TRAINING PARTICIPATION

A total number of 14 participants took part in the training activity in Pula.

Some of these were internal staff from organizations participating in the ADRIGREEN project partnership:

Number of participants	Organization name	Type of organization
1	Dubrovnik Airport	Airport authority
2	Pula Port Authority	Port authority
3	Pula Airport	Airport authority
1	Dubrovnik Port Authority	Port authority
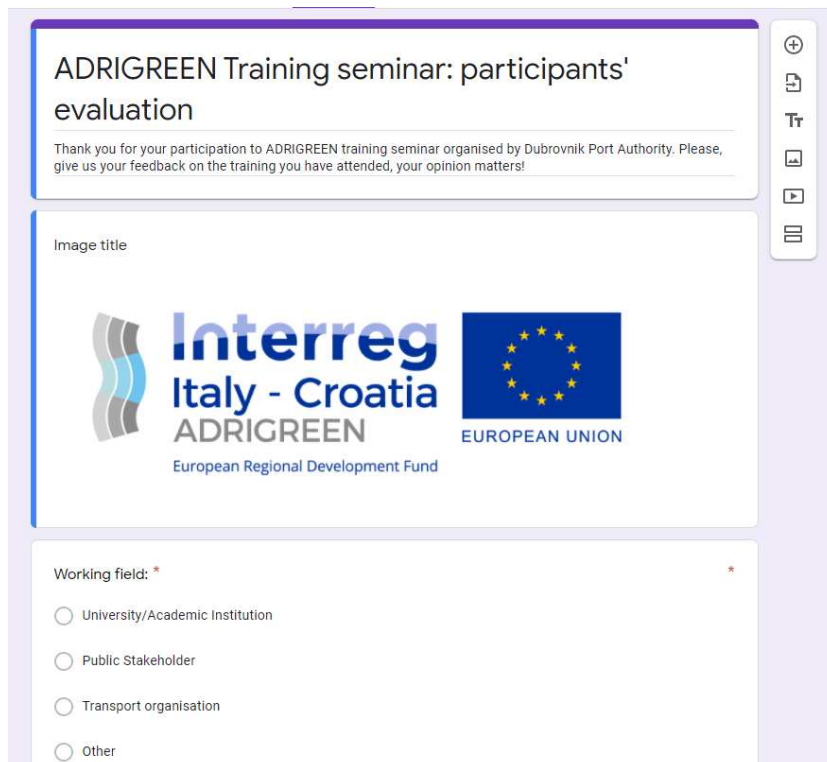
All Croatian partners in ADRIGREEN therefore attended the training session.

On the other hand, the distribution in terms of external sending organizations was the following:

Number of participants	Organization name	Type of organization
1	CCE Pula County Chamber	Chamber of commerce
2	Argo	Private company
1	Turistička zajednica Pula - TZ Pula	Tourism office
2	Region of Istria	Regional authority
1	Pontifex d.o.o.	Private company

VI.   TRAINING ASSESSMENT

After the presentation, all participants were sent a questionnaire with the questions in order to make an ex-post evaluation. Out of 15 overall participants, 12 provided their feedback by filling in the form.

In case "other" is selected, please specify:

Short-answer text

Exhaustiveness of the topics covered: please rate it from 1 (very low) to 4 (very high) * *   *

	1	2	3	4
	○	○	○	○

Innovative character of the topics tackled: please rate it from 1 (very low) to 4 (very high) * *   *

	1	2	3	4
	○	○	○	○

Clearness of the topics addressed: please rate it from 1 (very low) to 4 (very high) * *   *

	1	2	3	4
	○	○	○	○

Speakers' engagement: please rate it from 1 (very low) to 4 (very high) * *   *

	1	2	3	4
	○	○	○	○

Increased expertise and knowledge on the topics tackled after training attendance: please   *   *
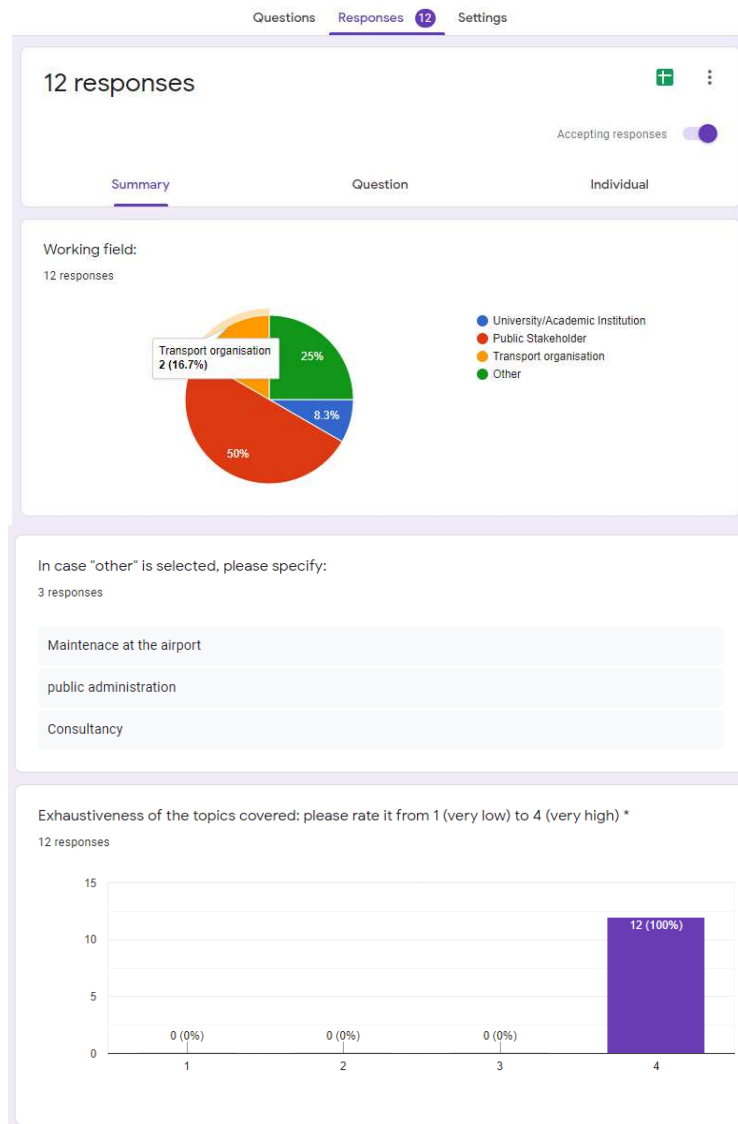rate it from 1 (very low) to 4 (very high)

	1	2	3	4
	○	○	○	○

Training effectiveness in terms of usefulness in your role/daily practive: please rate it from 1 (very low)
to 4 (very high)

	1	2	3	4
	○	○	○	○

Overall training organisation: please rate it from 1 (very low) to 4 (very high)   *   *

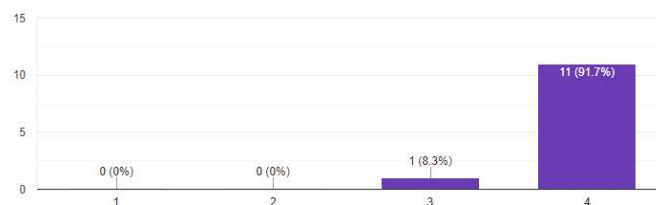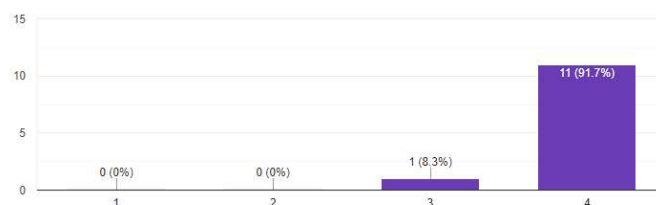|	1	2	3	4
	○	○	○	○

Participants' feedback:

Innovative character of the topics tackled: please rate it from 1 (very low) to 4 (very high) *
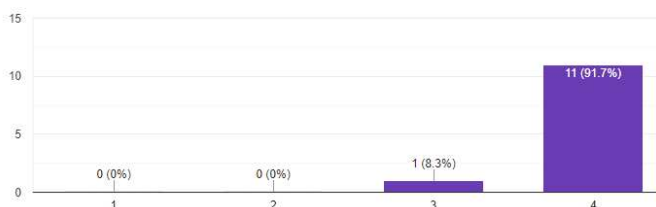
12 responses

Clearness of the topics addressed: please rate it from 1 (very low) to 4 (very high) *

12 responses

Speakers' engagement: please rate it from 1 (very low) to 4 (very high) *

12 responses

Increased expertise and knowledge on the topics tackled after training attendance: please rate it from 1 (very low) to 4 (very high)

12 responses

Training effectiveness in terms of usefulness in your role/daily practive: please rate it from 1 (very low) to 4 (very high)

12 responses

Overall training organisation: please rate it from 1 (very low) to 4 (very high)

12 responses
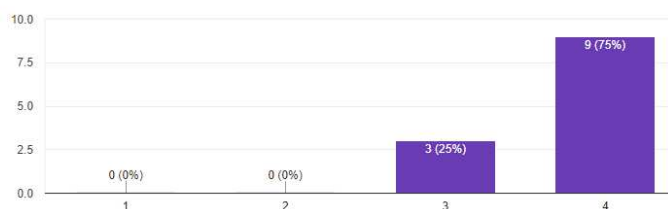
The main stakeholders around this training activity are those from the economic and maritime sectors, as well as service providers in the port operational area and other stakeholders whose scientific work contributes in finding the best practice solutions to reduce emissions and protect the environment.

VII.   CONCLUSIONS

The training activity has been carried out successfully, as highlighted by the collected feedback from participants. The addressed topics were of great interest for the target audience and provided accurate data to interpret the current state of the art, as well as concrete suggestions and well-tested solutions that could be incorporated in participating institutions. In particular, participants' awareness was raised on the key topics of environmental efficiency in a very wide sense, and of a forward-looking approach to infrastructural management based on digitization and efficiency. Both topics will be crucial in future infrastructure development and transport models.

The training was also deemed well-organized in terms of structure, design and approach, with an adequate balance of theoretical parts and field-based examples.

As a final assessment, the training session offered concrete strategies and tools to address more successful and up-to-date management models in ports on the one side; it enables participants to develop deeper awareness on sustainability-related issues and on factors to be considered when approaching a more sustainable development of airport infrastructure on the other side.