

# WP 5.2. TRAINING REPORT

Port Authority of Dubrovnik

## **DISCLAIMER**

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## CONTENT

<b>I. DOCUMENT CONTROL SHEET .....</b>	<b>3</b>
<b>II. INTRODUCTION .....</b>	<b>4</b>
<b>III. Project background and objectives .....</b>	<b>5</b>
<b>IV. TRAINING REALISATION .....</b>	<b>6</b>
<b>V. TRAINING PARTICIPATION .....</b>	<b>7</b>
<b>VI. TRAINING ASSESSMENT .....</b>	<b>8</b>
<b>VII. CONCLUSIONS .....</b>	<b>13</b>
<b>VIII. ANNEX: SIGNATURE LIST .....</b>	<b>Errore. Il segnalibro non è definito.</b>

## I. DOCUMENT CONTROL SHEET

<b>Project acronym</b>	ADRIGREEN
<b>Project Title</b>	Green and Intermodal solutions for Adriatic airports and ports
<b>Axis</b>	Maritime transport
<b>Specific Objective</b>	4.1- Improve the quality, safety and environmental sustainability of marine and coastal transport services and nodes by promoting multimodality in the Programme area.
<b>Project website</b>	<a href="https://www.italy-croatia.eu/web/adrigreen">https://www.italy-croatia.eu/web/adrigreen</a>
<b>Start of the project</b>	01/01/2019
<b>Duration</b>	36 months
<b>Related activity:</b>	5.2 –Training activities
<b>Deliverable name:</b>	D. 5.2. Training Report, Port Authority of Dubrovnik
<b>Type of deliverable</b>	Report
<b>Language</b>	English
<b>Work Package Title</b>	Networking and training on green and intermodal solutions
<b>Work Package number</b>	5
<b>Work Package Leader</b>	Central Adriatic Ports Authority
<b>Status</b>	Final
<b>Author (s)</b>	Port Authority of Dubrovnik
<b>Version</b>	1
<b>Distribution</b>	Public
<b>Due date of deliverable</b>	30 <sup>st</sup> September 2021

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<b>Final delivery date</b>	27 <sup>th</sup> July 2021

## 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 Airminum 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 Port Authority of Dubrovnik, addressing "Intermodal transport of cruise passengers in the port of Dubrovnik - Gruz".

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. AIRimum 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 30<sup>th</sup> June 2021 from 10 a.m. till 12 a.m.

The title of the training was "Intermodal transport of cruise passengers in the port of Dubrovnik - Gruz".

The lecturer was PhD Antun Asic, Capt., Lecturer at the graduate study of Maritime Studies, University of Dubrovnik, after his retirement as general manager of the Dubrovnik Port Authority.

Main objectives of education are encouraging awareness, initiative and implementation of projects aimed at reducing air and greenhouse gas pollution caused by cruise passenger traffic.

The training included:

- The concept and types of air pollution caused by human activities;
- Air pollution with harmful chemical compounds by types and sources of human activity;
- Air pollution by greenhouse gases;
- Impact of traffic on air pollution and climate change
- Political and regulatory efforts to reduce air pollution and control climate change
- Alternatives to fossil fuels

- Greenhouse gas pollution projection of multimodal cruise passenger transport in transit / port of embarkation - port of Dubrovnik - Gruz
- Presentation of projects of zero greenhouse gas vessels for passenger transport on the route Gruz - port of Old Town Dubrovnik
- Conclusions of the project "Interreg Central Europe SOLEZ" - the example of Dubrovnik: Electrification of bus city transport.

The entire presentation of the training can be viewed via following link [https://drive.google.com/drive/folders/1jhccXnmn8PKH\\_BSbNw6ivTTcRRZq2XeS](https://drive.google.com/drive/folders/1jhccXnmn8PKH_BSbNw6ivTTcRRZq2XeS).

## V. TRAINING PARTICIPATION

A total number of 45 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
8	Dubrovnik Airport	Airport authority
1	Pula Port Authority	Port authority
12	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
2	ACI d.d.	Private company
1	Argo	Private company
1	ADRIATIC DESTINATION MANAGEMENT COMPANY d.o.o.	Private company



1	Dominium Travel d.o.o.	Regional authority
1	dvd	Private company
1	El Dorado turistički obrt	Private company
1	City of Dubrovnik	Local authority
6	Gulliver Travel d.o.o. /	Private company
1	Hotel Adria	Private company
1	Hrvatska gospodarska komora - Županijska komora Dubrovnik	Local authority
1	Luka	Private company
1	Moskar tours&service	Private company
1	MSC Krstarenja doo	Private company
1	Predavač	Private company
1	Rosa Mundi turistički obrt	Private company
1	San and Ja Cmumications	Private company
1	Securitas Hrvatska	Private company
1	UDRUŽENJE VODIČA DUBROVNIK	Local authority
1	Turistički vodič	Private company
3	Sveučilište u Dubrovniku	Private company
1	Sub Vision	Private company
3	Unimedia doo	Private company
1	X	Private company
1	Vodic - Go Tours j.d.o.o.	Private company
1	Županijska lučka uprava Dubrovnik	Local authority

## VI. TRAINING ASSESSMENT



After the presentation, all participants were sent a questionnaire with the questions in order to make an ex-post evaluation. The significant number of participants (58) had successfully participated at the training activity and completed the questionnaire. It follows the participants feedback and informal comments which created the following results of the ex-post evaluation questionnaire:

## ADRIGREEN Training seminar: participants' evaluation

Thank you for your participation to ADRIGREEN training seminar organised by Dubrovnik Port Authority. Please, give us your feedback on the training you have attended, your opinion matters!

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Image title

Working field: \*

University/Academic Institution  
 Public Stakeholder  
 Transport organisation  
 Other

In case "other" is selected, please specify:

Short-answer text

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

1	2	3	4
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

1	2	3	4
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Clearness of the topics addressed: please rate it from 1 (very low) to 4 (very high) \* \*

1	2	3	4
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Speakers' engagement: please rate it from 1 (very low) to 4 (very high) \* \*



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



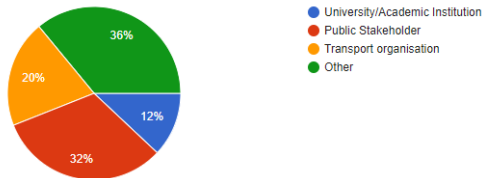
Training effectiveness in terms of usefulness in your role/daily practice: please rate it from 1 (very low) to 4 (very high)



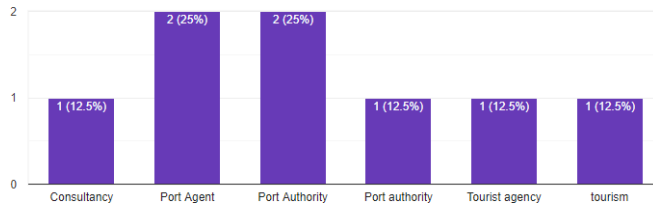
Overall training organisation: please rate it from 1 (very low) to 4 (very high) \* \*



Working field:  
25 responses

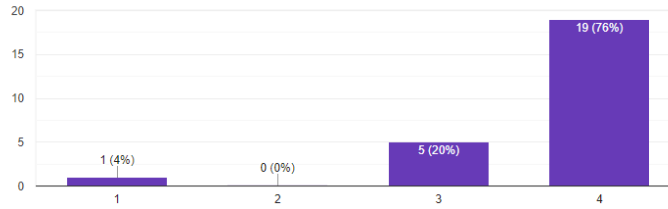


In case "other" is selected, please specify:  
8 responses



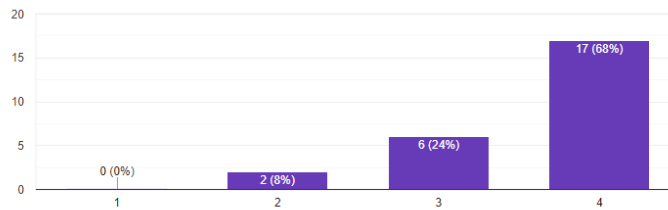
Exhaustiveness of the topics covered: please rate it from 1 (very low) to 4 (very high) \*

25 responses



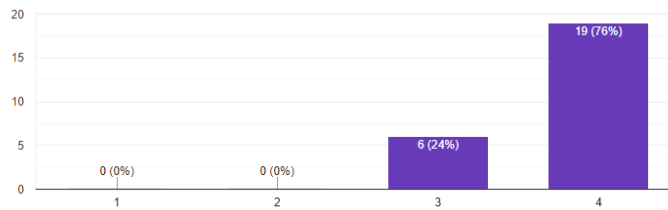
Innovative character of the topics tackled: please rate it from 1 (very low) to 4 (very high) \*

25 responses



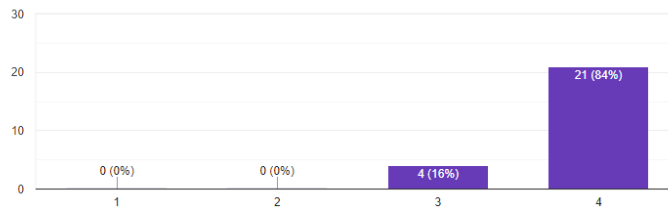
Cleanness of the topics addressed: please rate it from 1 (very low) to 4 (very high) \*

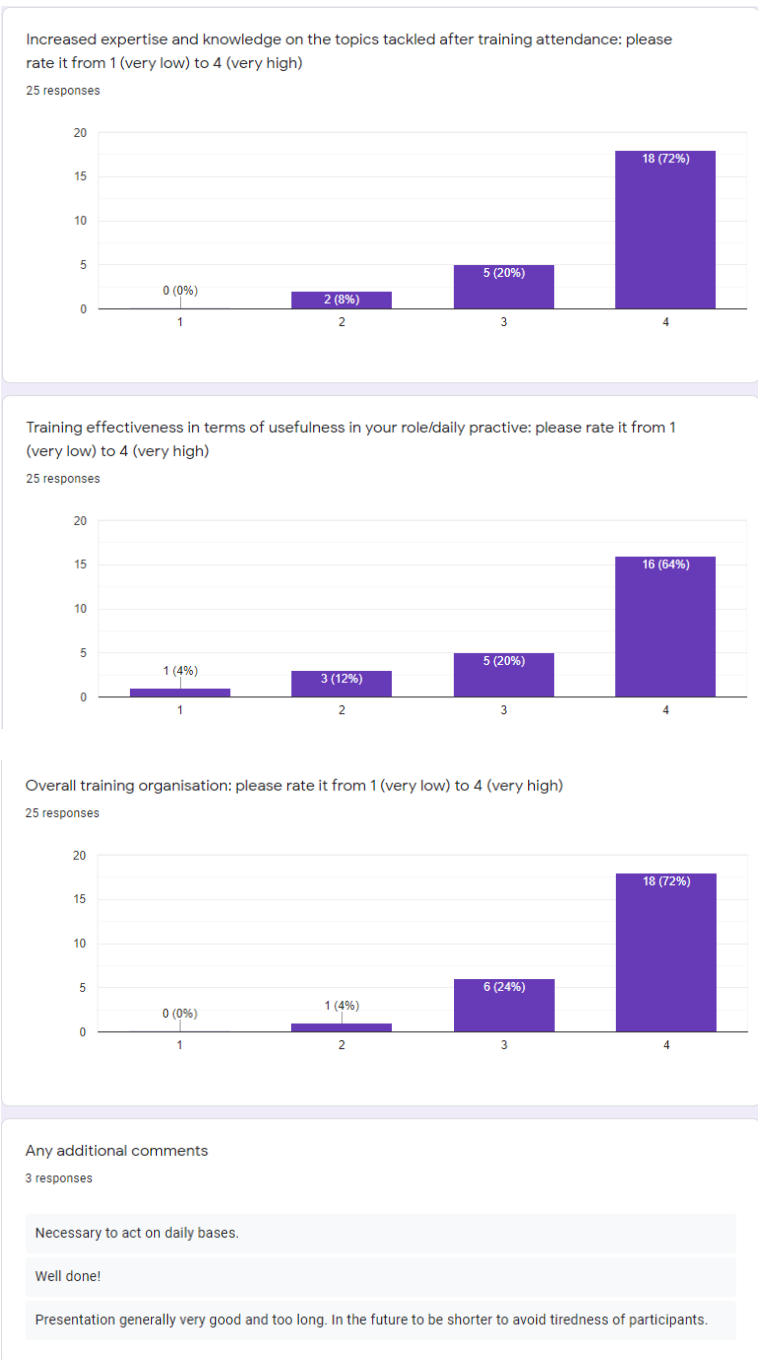
25 responses



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

25 responses





The main stakeholders in 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 (travel agencies, Dubrovnik Association of Tour guides, University of Dubrovnik, City and County Chamber of Commerce, City of Dubrovnik, Dubrovnik- Neretva County, nautical sector in Croatia, project partner Airport Dubrovnik and others).

## VII. CONCLUSIONS

The training activity was very interesting and instructive education aimed at raising awareness among participants for environmental protection, reducing greenhouse gas emissions and introducing green technologies and promoting sustainable development in the destination.

The overall assessment of our training activity is that the training was very successful designed and performed. The lecturer focused on a number of statistics indicating an increase in greenhouse gases caused by the burning of fossil fuels.

Main objectives of education are encouraging awareness, initiative and implementation of projects aimed at reducing air and greenhouse gas pollution caused by cruise passenger traffic.

The training included the concept and types of air pollution caused by human activities, air pollution with harmful chemical compounds by types and sources of human activity, air pollution by greenhouse gases, impact of traffic on air pollution and climate change, political and regulatory efforts to reduce air pollution and control climate change, alternatives to fossil fuels, greenhouse gas pollution projection of multimodal cruise passenger transport in transit / port of embarkation - port of Dubrovnik – Gruz, presentation of projects of zero greenhouse gas vessels for passenger transport on the route Gruz - port of Old Town Dubrovnik and conclusions of the project "Interreg Central Europe SOLEZ" - the example of Dubrovnik electrification of bus city transport.