

D.2.4.2 -3rd Public Event





European Regional Development Fund













Document Control Sheet

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1. INTRODUCTION

As foreseen by ASTERIS Project Work plan the Communication Activities (WP4) include the organisation of several public events during the project lifetime, and Ravenna Municipality was in charge of the organisation of the 3rd Public Event.

As agreed during the 3rd Steering Commitee Meeting, organised by Ravenna Municipality and held online on the 4th of March 2020, the public event was expected to be held in Ravenna on 13th May 2020 within the broader context of the 13th edition of a technical-scientific event called "Fare i conti con l'ambiente" ("Dealing with the environment"). Such event has been regularly organised in Ravenna since 2007 and it consists of a 3-days of conferences, workshops and technical short-courses about waste management, energy, reclamation, environmental protection, circular economy and sustainability. ASTERIS conference had already been proposed to the organisers with the title "Climate change, adaptation strategies and resilience" and a draft agenda had been identified, but, due to the COVID-19 restrictions the whole event "Fare i conti con l'ambiente" was cancelled for 2020.

The ASTERIS public event in charge of Ravenna Municipality was then postponed Autumn 2020. A new suitable context was searched for and found in the REMTECH Conference, an international event held in Ferrara every year providing an exhibition area as well as conferences on several subjects such as protection and sustainable development of the territory, remediation of contaminated sites, coasts and ports, hydrogeological risk, climate changes, seismic risk, urban regeneration and sustainable chemical industry. Due to the persistence of the Covid-19 restrictions the 2020 edition was completely held online on a dedicated website including an Exhibition Room and a Conference Room that hosted several webinars.

2. ASTERIS 3rd Public Event

1.1 ASTERIS Exhibition room

In order to ensure the achievement of the objectives and targets set by WP 2.4.2 with public events, despite the international situation due to the COVID-19, Ravenna Municipality decided to take advantage of the Remtech Expo 2020 Digital Edition. The organizers of Remtech Expo managed indeed to provide a digital platform able to reproduce the real event, including an Exhibition area where it was possible to rent a



dedicated webspace to show the Project details, i.e., partnership, project description, results obtained so far.

The website, opened online on the 21st of September 2020, included also a section with Conference rooms where all the technical and scientific event were hosted online.

Figure 1 shows the Home page of the Remtech Expo Digital Edition 2020 whereas Figure 2 shows the Exposition Room and Figure 3 shows the front page of ASTERIS exhibition room.

Information about the Project were uploaded on the website, namely the partnership description, project activities description and first results achieved about mapping of hazards and future hydrological and sea level rise scenarios.

More detailed screenshots and the documentation uploaded on the website are available in Annex 3 and Annex 4.

The website registered a total of 107 visitors and 6 business cards where left, as documented in Annex 5 including the business cards and the list of contacts.

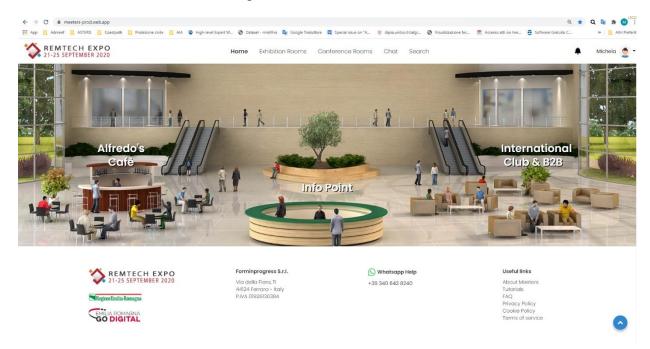


Figure 1 - Remtech Expo Digital Edition 2020 Home page



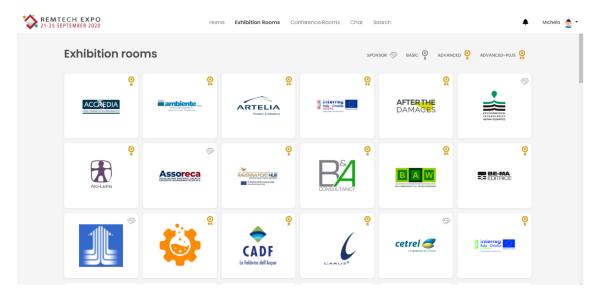


Figure 2 – Remtech Expo Digital Edition 2020: exhibition rooms page

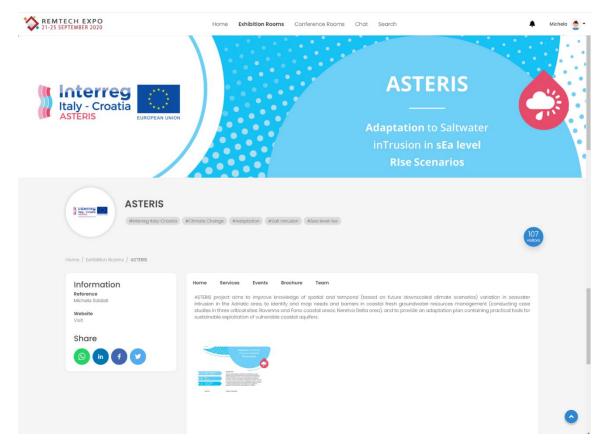


Figure 3 - ASTERIS's exhibition room



1.2 ASTERIS conference

The conference was held on the 21st of September, in the afternoon. It was included in Remtech conference program and was accessible to all the people registered to the website through the Remtech Conference room (Figure 4) or directly from ASTERIS exhibition room.

The conference was the opening event of the "Coast, Ports, Sea" topic session. The complete conference program is available at the following link (Figure 5):

https://www.remtechexpodigitaledition.it/coste-porti-mare/

The conference title was: "Climate change, adaptation and resilience planning strategies." Focused on ASTERIS project and its activities, the conference dealt with adaptation strategies for coastal cities to be adopted at different planning levels to enhance their resilience to increasingly risk due to climate change.

The program was defined by Ravenna Municipality's PM and included the contribution of partners of ASTERIS project. The conference was carried out with the active participation of Emilia Romagna Region, an important stakeholder of the project, and of the ADRIADAPT Italy-Croatia Interreg Project, whose specific object is to improve the climate change monitoring and planning of adaptation measures tackling specific effects, in the cooperation area, and it is therefore strictly connected to ASTERIS object.



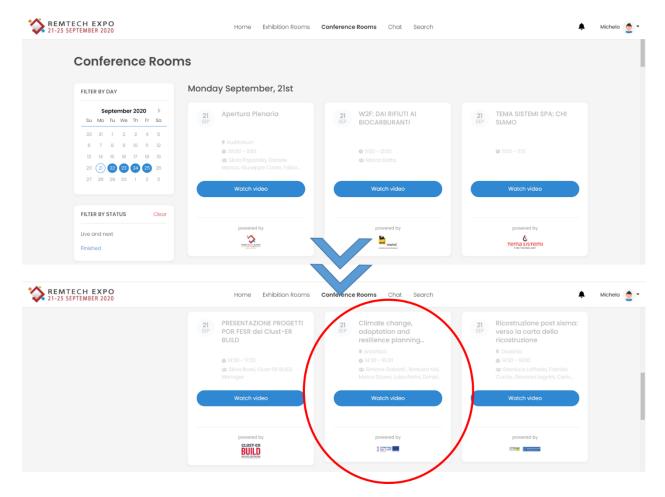


Figure 4 – Conference Room website





HOME OPENING SESSION TOPICS - SCHOOLS ACTIVITIES

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Q

C . D

Coasts, Ports, Sea



Figure 5 - Conference agenda webpage (https://www.remtechexpodigitaledition.it/coste-portimare/)

The conference program included three presentations by 3 different ASTERIS's project partners:

- Simone Galeotti from Urbino University who presented the project, objectives and activities carried-out so far, focusing on WP3;
- Barbara Nisi from CNR- IGG who presented the monitoring activities carried out in on the Italian case study areas: Ravenna and Fano Municipalities;
- Monika Zovko by University of Zagreb talking about Adaptation to Saltwater intrusion within the Polder-type Agricultural Catchment

As mentioned above, two guest speakers were invited to complete the conference program:

 Luisa Perini from the Geological, Seismic and Soil Department of Emilia Romagna Region, talking about future sea-level rise scenarios and possible impacts along the Emilia-Romagna coast (Italy)



 Daniele Capitani from Cervia Municipality, partner of ADRIADAPT Italy-Croatia Interreg Project, talking about the experience that the Municipality gained in planning the adaptation and the results they achieved with ADRIADAPT project.

The complete program is available at the following webpage:

https://www.remtechexpodigitaledition.it/coste-porti-mare/climate-change-adaptation-and-resilience-planning-strategies/

Michela Soldati, ASTERIS project PM for Ravenna Municipality, chaired the event, that was recorded and it is still available on the event website at the following link: https://meeters-prod.web.app/events/event-detail/Qtg2B0066Neb5yxloi0A.

Due to force majeure, Monika Zovko was unable to attend the event and give her presentation.

The submitted abstracts are now included in the Abstracts book.

A total of 78 people accessed the conference room during the webinar, with 47 people attending the conference with continuity.



ANNEX 1 - AGENDA

Climate change, adaptation and resilience planning strategies

21 SETTEMBRE LUNEDI

14.30 -16.30 CEST

Adriatic coastal areas and their communities are increasingly at risk due to the ongoing climate changes, resulting in sea level rise and intensification of extreme events with consequent increase of flooding, coastal erosion and saline intrusion effects. It has therefore become necessary to broaden our knowledge of the phenomenon, in order to develop adequate adaptation strategies for coastal cities to be applied at different planning levels and enhance their resilience.

ASTERIS project aims at improving the knowledge of spatial and temporal variations in seawater intrusion in the Adriatic area, based on future downscaled climate scenarios. Within the project needs and barriers to the management of coastal fresh groundwater resources have been identified and mapped, by means of case studies monitoring and modelling activities in three selected sites: Ravenna and Fano coastal areas in Italy and the Neretva Delta area in Croatia. The final aim of the projec is to provide an adaptation plan containing practical tools for sustainable exploitation of vulnerable coastal aquifers.

Programme

14.30-14.45 Registration

14.45-15.00 An integrated approach to the vulnerability assessment of Adriatic coastal aquifers due to the climate change impacts on sea level rise and the hydrological cycle

Simone Galeotti - Urbino University - ASTERIS Project Interreg Italy-Crotia Project

15-00-15.15 Hydrogeochemical surveys and aquifer-seawater intrusion modelling: first results from Ravenna's and Fano's (central-eastern Italy) coastal areas

Barbara Nisi and Marco Doveri – CNR-Institute of Geosciences and Earth Resources – ASTERIS Interreg Italy-Crotia Project

 $\textbf{15.15-15.30} \ \mathsf{Adaptation} \ \mathsf{to} \ \mathsf{Saltwater} \ \mathsf{intrusion} \ \mathsf{within} \ \mathsf{the} \ \mathsf{Polder-type} \ \mathsf{Agricultural} \ \mathsf{Catchment}$

Monika Zovko University of Zagreb – ASTERIS Interreg Italy-Crotia Project

15.30-15.45 Future sea-level rise scenarios and possible impacts along the Emilia-Romagna coast (Italy)

Luisa Perini – Emilia-Romagna Region, Geological, Seismic and Soil service

15.45-16.00 Resilient territorial planning – The experience of Cervia

 $Daniele\ Capitani-Municipality\ of\ Cervia,\ Planning\ and\ Territory\ management\ division-ADRIADAPT\ Interreg\ Italy-Crotia\ Project$

16.00-16.15 Questions and discussion

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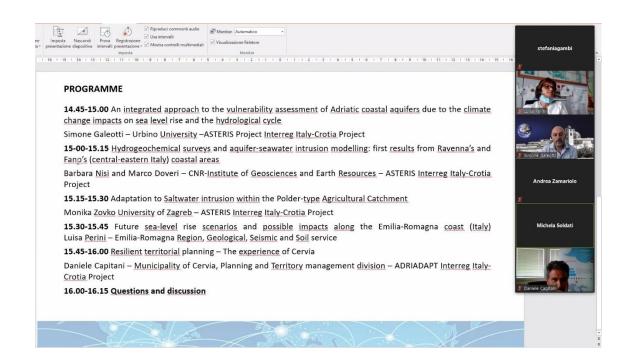


https://www.remtechexpodigitaledition.it/coste-porti-mare/climate-change-adaptation-and-resilience-planning-strategies/

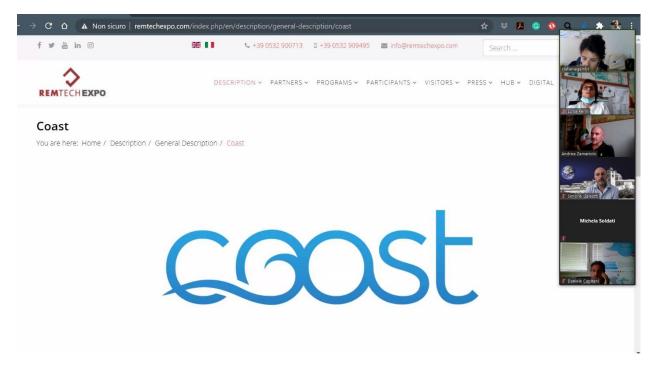


ANNEX 2 - SCREENSHOTS OF THE CONFERENCE



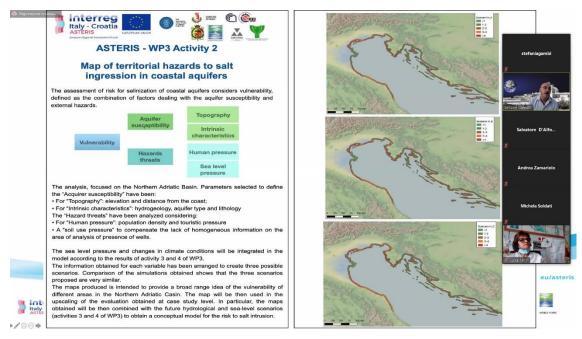






Introduction of Coast, Ports and Sea section of Remtech Expo, by the Coordinator Andrea

Zamariolo



Presentation given by Simone Galeotti (University of Urbino – ASTERIS's lead partner)





Presentation given by Simone Galeotti (University of Urbino – ASTERIS's lead partner)

Case studies: Fano and Ravenna coastal areas Hydrogeochemical survey: first results and critical issues





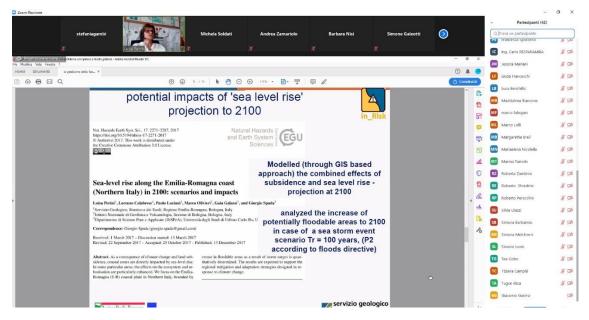
Improvement of the conceptual model for the 2 coastal aquifer systems → update on the saltwater distribution in the aquifers and understanding of the present mechanisms of intrusion

Development of groundwater flow and transport numerical models for 1 of the 2 coastal aquifer systems (FANO) \rightarrow scenarios of marine intrusion evolution (taking also in account the scenarios of sea level and hydrology) and possible actions for reducing the phenomenon and its effects

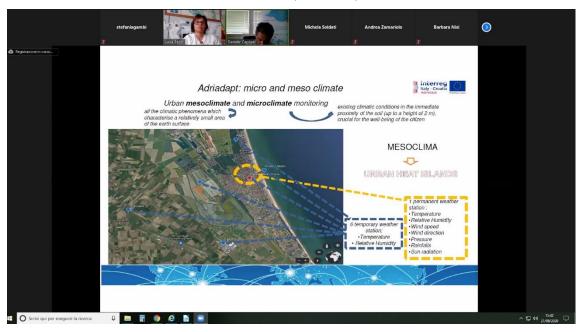


Presentation given by Barbara Nisi (CNR – Institute of Geoscience and Earth Resources – ASTERIS's project Partner)





Presentation given by Luisa Perini (Emilia Romagna Region – Geological, Seismic and Soil Department)



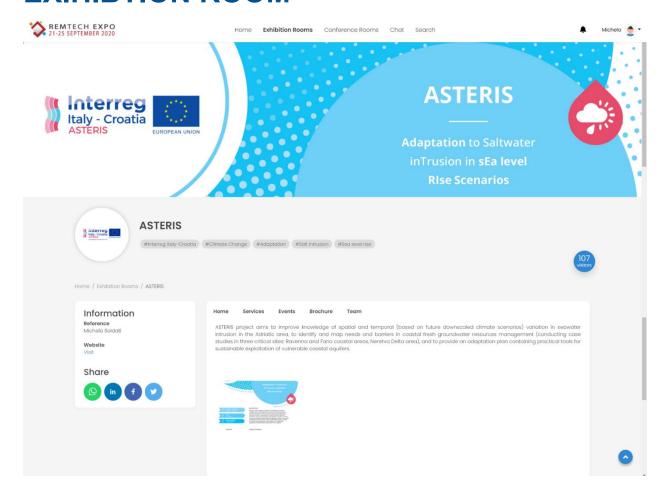
Presentation given by Daniele Capitani (Cervia Municipality – ADRIADAPT Interreg Italy-Croatia project's partner)



ANNEX 3 – LIST OF ASTERIS CONFERENCE PARTICIPANTS

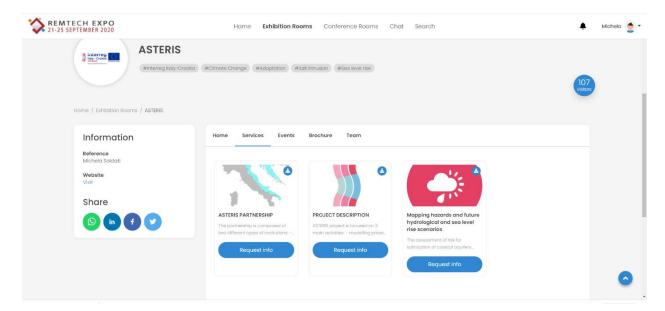


ANNEX 4 - SCREENSHOTS OF THE EXIHIBTION ROOM

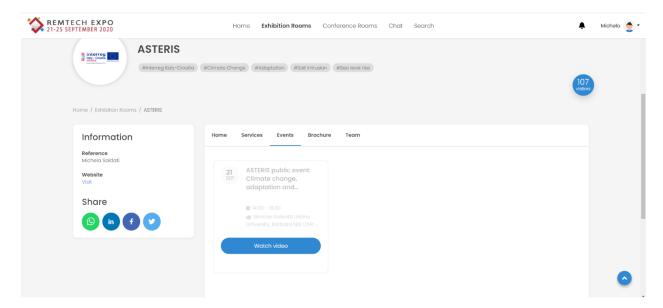


ASTERIS Exhibition room - homepage



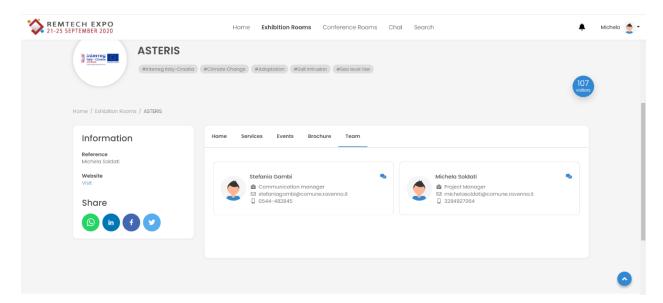


ASTERIS Exhibition room - Services



ASTERIS Exhibition room – Events





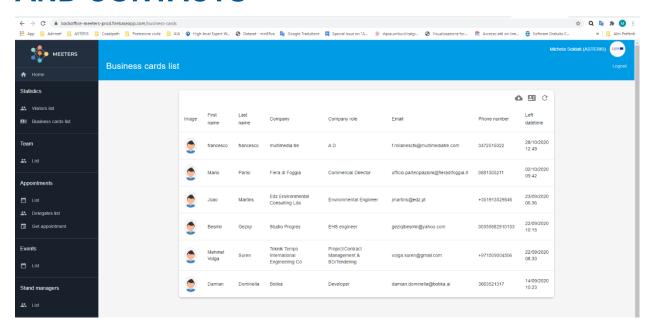
ASTERIS Exhibition room - Team



ANNEX 5 PROJECT DOCUMENTS UPLOADED IN THE EXIHIBITION ROOM



ANNEX 6 - EXIHBITION ROOM VISITORS AND CONTACTS



Business cards list

