

3rd PUBLIC EVENT RAVENNA

EVENT REPORT

Ravenna 21.09.2020.

Summary

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

Figure 3 shows the front page of ASTERIS exhibition room. Information about the Project were uploaded on the website, namely the partnership escription, project activities description and first results achieved about mapping of hazards and future hydrological and sea level rise scenarios.

The website registered a total of 107 visitors.

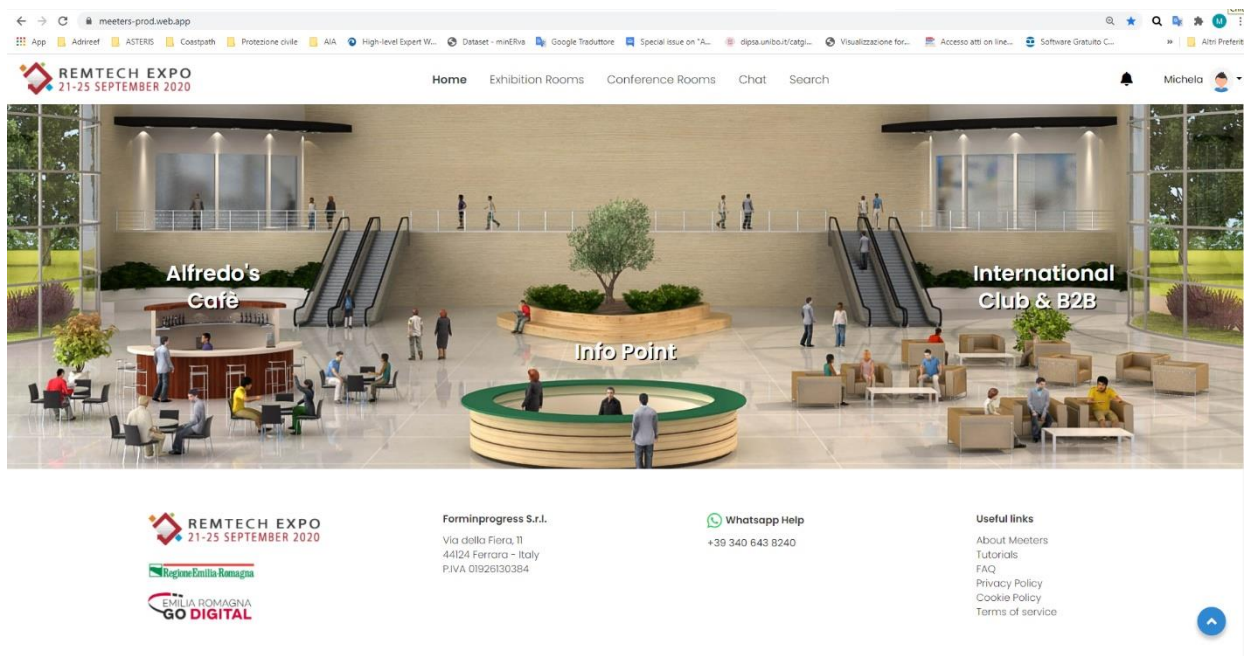


Figure 1 – Remtech Expo Digital Edition 2020 Home page

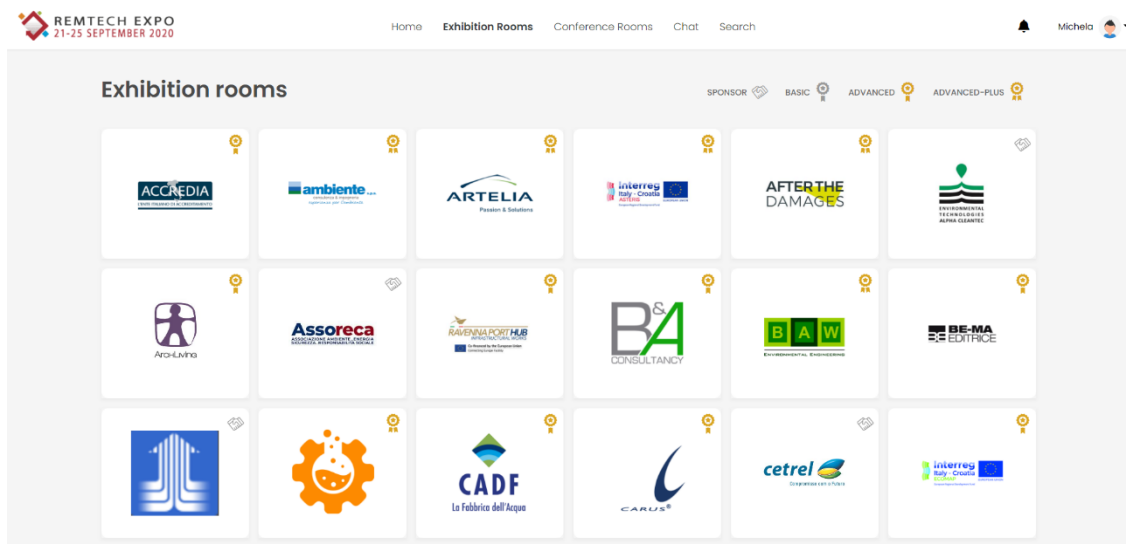


Figure 2 – Remtech Expo Digital Edition 2020: exhibition rooms page

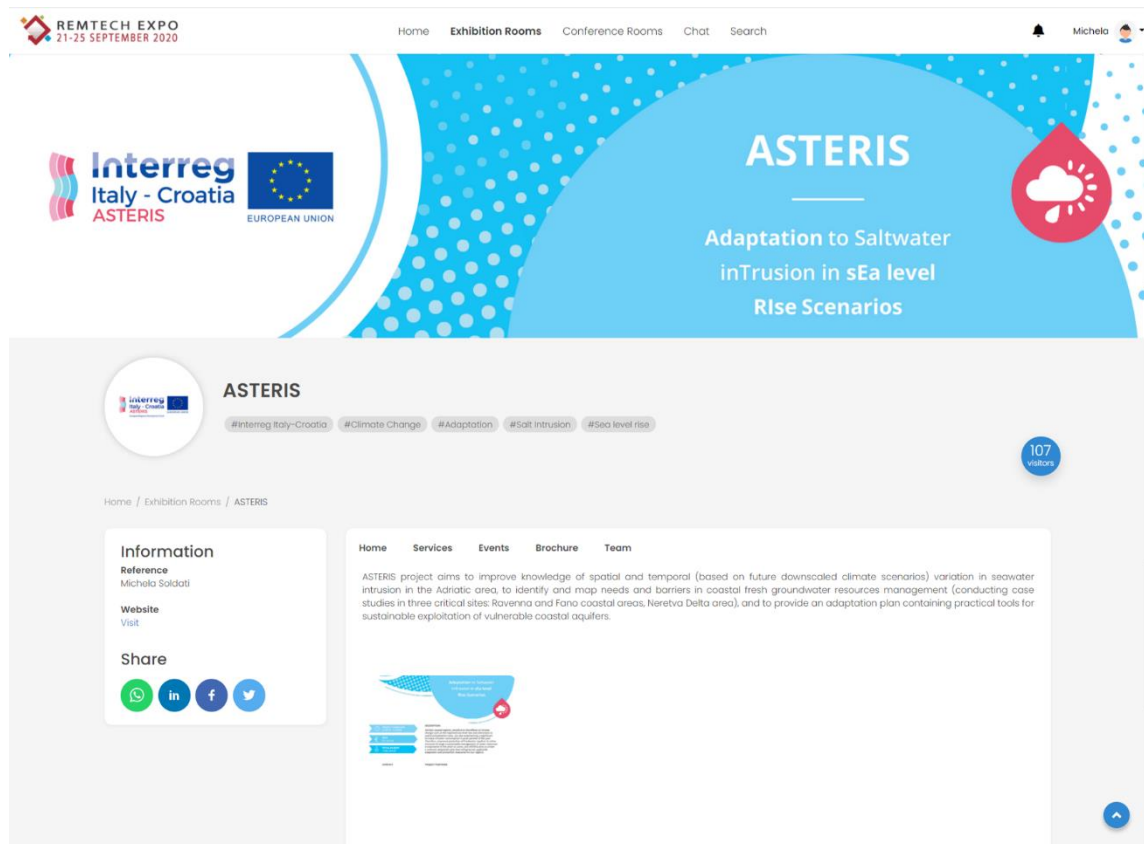


Figure 3 – ASTERIS's exhibition room

ASTERIS conference

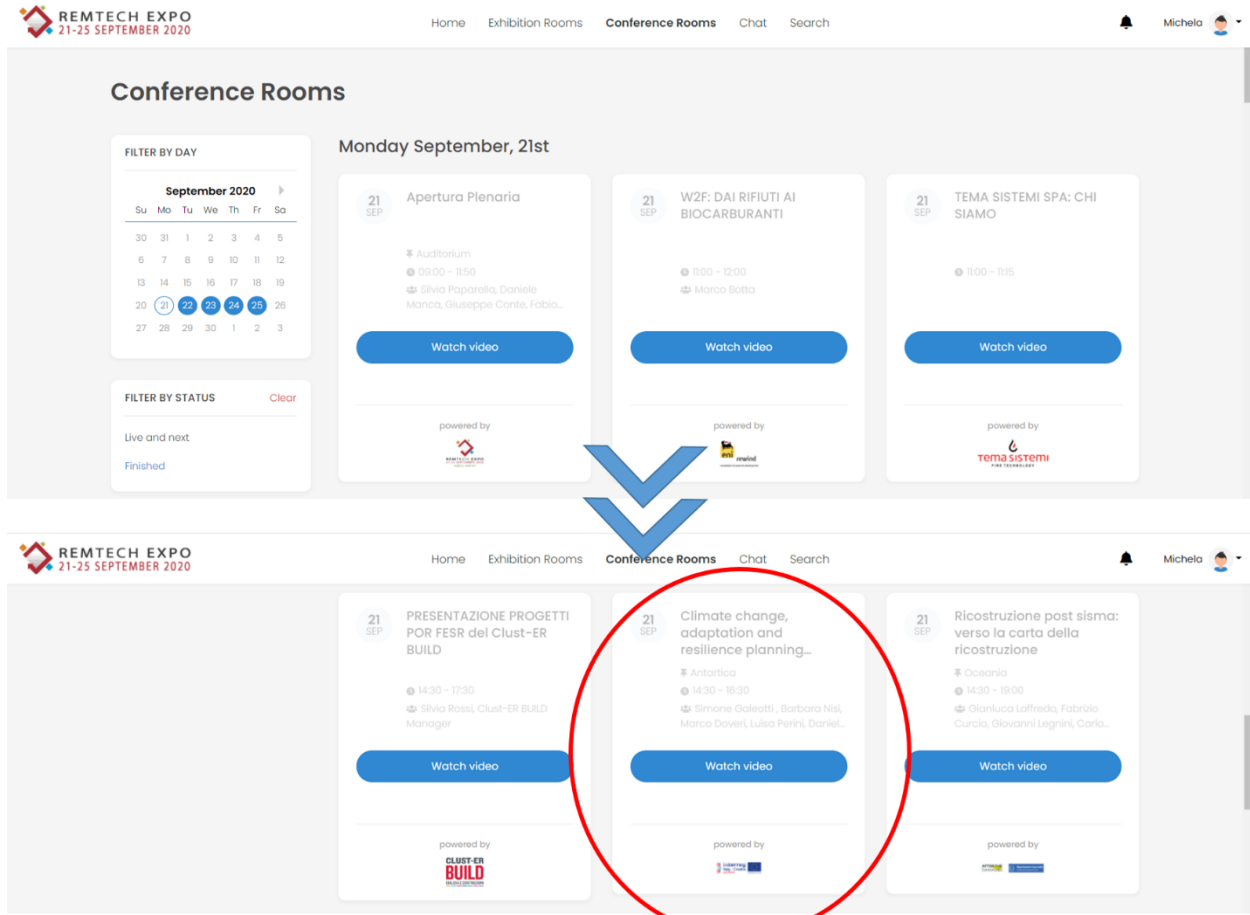
The conference was held on the 21st of September, in the afternoon. It was included in Remtech conference program and was accessible to all the people registered to the website through the Remtech Conference room (Figure 4) or directly from ASTERIS exhibition room.

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.rHgS5orgPvsuzJ7shn8vw28y1XaePY4uDP.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.



REMTECH EXPO
21-25 SEPTEMBER 2020

Home Exhibition Rooms **Conference Rooms** Chat Search

Michela

Conference Rooms

Monday September, 21st

FILTER BY DAY

September 2020

| | | | | | | |
|----|----|----|----|----|----|----|
| Su | Mo | Tu | We | Th | Fr | Sa |
| 30 | 31 | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 1 | 2 | 3 |

FILTER BY STATUS Clear

Live and next

Finished

21 SEP Apertura Plenaria

Auditorium

09:00 - 18:50

Silvia Paparella, Daniele Marco, Giuseppe Conte, Fabio...

Watch video

powered by

21 SEP W2F: DAI RIFIUTI AI BIOCARBURANTI

11:00 - 12:00

Marco Botta

Watch video

powered by

21 SEP TEMA SISTEMI SPA: CHI SIAMO

11:00 - 11:15

Watch video

powered by

21 SEP PRESENTAZIONE PROGETTI POR FESR del Clust-ER BUILD

14:30 - 17:30

Silvia Rossi, Clust-ER BUILD Manager

Watch video

powered by

21 SEP Climate change, adaptation and resilience planning...

Antartica

14:30 - 16:30

Simone Galeotti, Barbara Nisi, Marco Doveri, Lulca Perini, Daniel...

Watch video

powered by

21 SEP Ricostruzione post sisma: verso la carta della ricostruzione

Oceania

14:30 - 19:00

Gianluca Loffredo, Fabrizio Curcio, Giovanni Legnini, Carlo...

Watch video

powered by

Figure 4 – Conference Room website

CONFERENCES AGENDA

Coasts, Ports, Sea



Climate change, adaptation and resilience planning strategies

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 project is to provide an adaptation plan containing practical tools for sustainable exploitation of vulnerable coastal aquifers.

By Ravenna Municipality.

[read more](#)



Figure 5 - Conference agenda webpage
(<https://www.rHgS5orgPvsuzJ7shn8vw28y1XaePY4uDP.it/coste-porti-mare/>)

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

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)

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 project 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-Croatia 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-Croatia Project

15.15-15.30 Adaptation to Saltwater intrusion within the Polder-type Agricultural Catchment

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

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

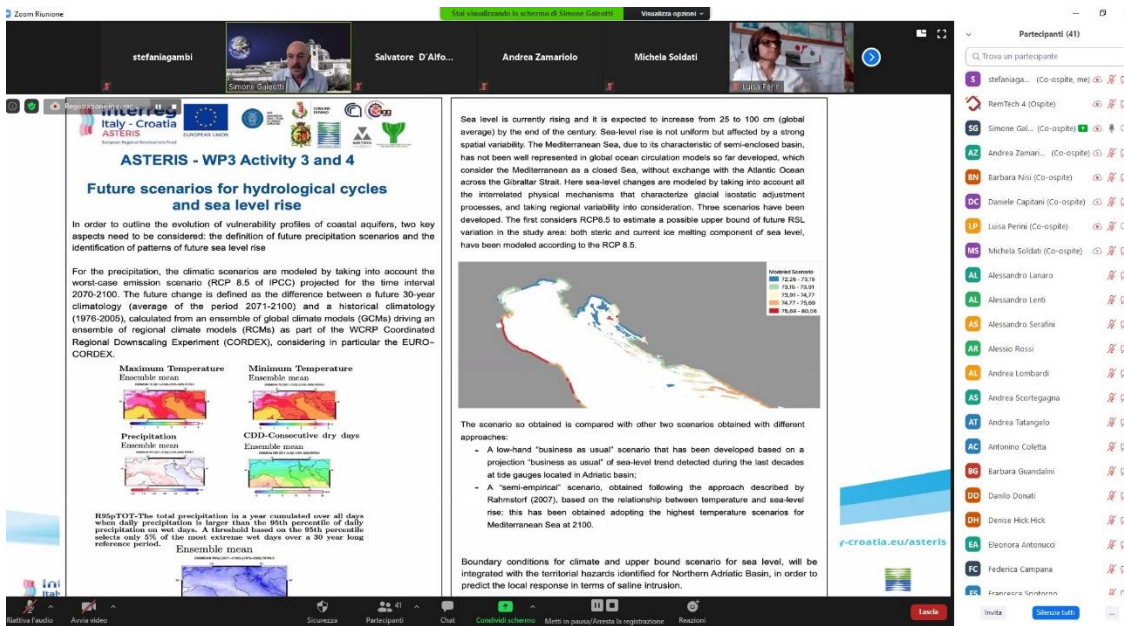
Luisa Perini – Emilia-Romagna Region, Geological, Seismic and Soil service

15.45-16.00 Resilient territorial planning – The experience of Cervia

Daniele Capitani – Municipality of Cervia, Planning and Territory management division – ADRIADAPT Interreg Italy-Croatia Project

16.00-16.15 Questions and discussion

Powered by:



Case studies: Fano and Ravenna coastal areas

Hydrogeochemical survey: first results and critical issues

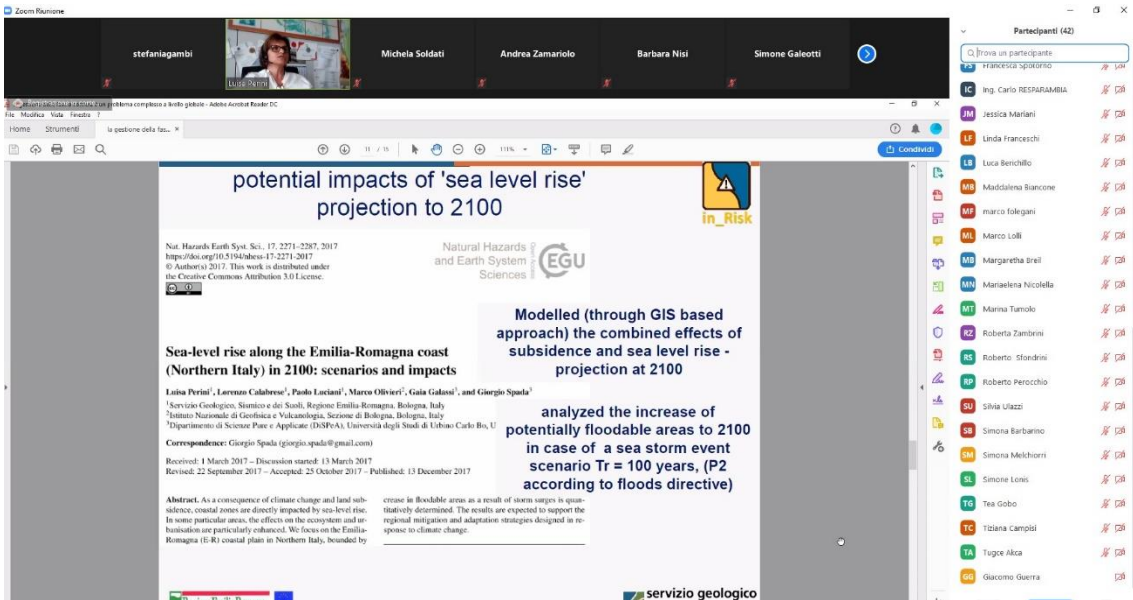
Barbara Nisi



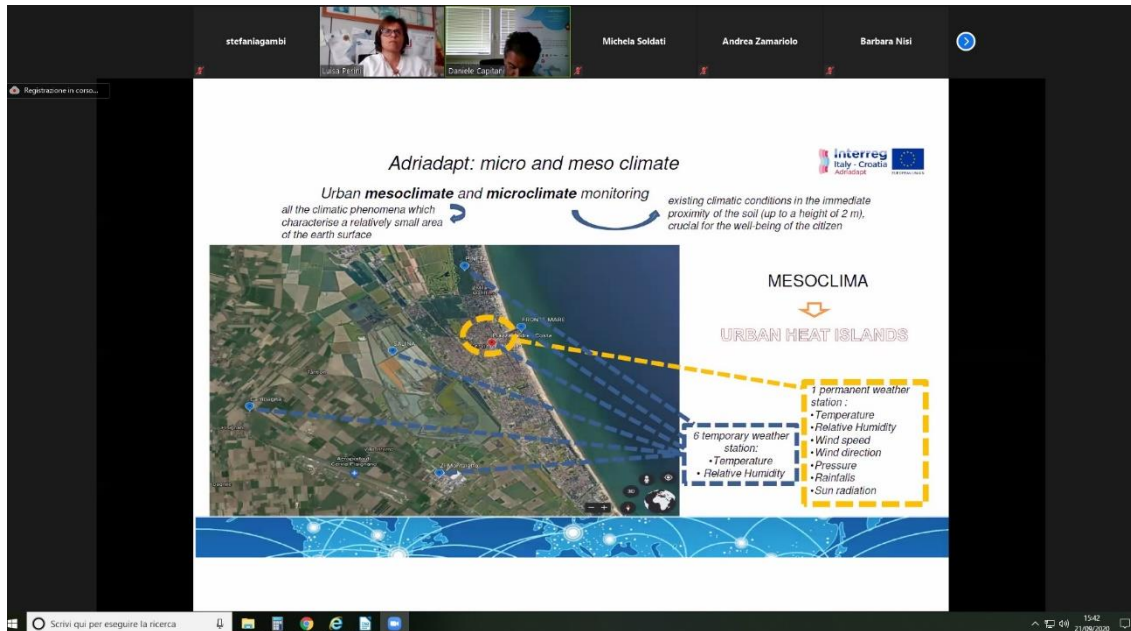
- 1 Improvement of the **conceptual model for the 2 coastal aquifer systems** → update on the saltwater distribution in the aquifers and understanding of the present mechanisms of intrusion
- 2 Development of **groundwater flow and transport numerical models for 1 of the 2 coastal aquifer systems (FANO)** → 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)

Video of the conference available on the following link:

https://www.youtube.com/watch?v=J_yCfuQIRjg&feature=youtu.be