

# CoAStal and marine waters integrated monitoring systems for ecosystems proteCtion AnD managemEnt CASCADE

Project ID: 10255941

**Priority Axis: Environment and cultural heritage** 

Specific objective: Improve the environmental quality conditions of the sea and coastal area by use of sustainable and innovative technologies and approaches

### D2.4.5

Local events (about a total of n. 10 guided tours, n. 10 laboratories, n. 10 seminaries, n. 10 workshops, n. 5 scientific training)

PP in charge: All PPs

Report of guided tours – part 1

Final version

Public document

June, 2023



Project acronym	CASCADE
Project ID number	10255941
Project title	CoAStal and marine waters integrated monitoring systems for
	ecosystems protection AnD managemEnt
Priority axis	3 - Environment and cultural heritage
Specific objective	3.2 - Contribute to protect and restore biodiversity
Strategic theme	3.2.1 - Marine environment
Word Package	WP2
number	
Word Package title	Communication activities
Activity number	Activity 2.4
Activity title	Events, Training and Workshops
Partner in charge	All PPs
Partners involved	All PPs



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Priority Axis: Environment and cultural heritage

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Work Package:	2. Communication activities		
Activity	2.4 – Events, Training and Workshops		
Deliverable:	2.4.5 - Local events: organized events as defined in the AF (guided tours, laboratories, seminaries, workshops, scientific training) and external events. In this deliverable both organized meetings and external events attended by PPs must be included		

Project Partner:	LP - Regione Puglia			
Name of event:	You are what You Sea – Guided tour in the pilot area of the Torre Guaceto Reserve			
Date:	28 October 2022			
Event type:	Organized event. Guided tour			
	, and the second			
Event venue:	In presence events			
Short description of the event:	YOU ARE WHAT YOU SEA continued with the guided tour in the Torre Guaceto The event is open to high school students to understand the ecosystem preservation and to raise the biodiversity awareness through a walk that runs through the Mediterranean scrub and reaches the beach to allow observation of the different coastal habitats, the MPA wetland and the Aragonese Tower with its archaeological display.			
Speakers speeches, brief summary and conclusion:	The fourth event of "YOU ARE WHAT YOU SEA", which took place on October 28th, led students of Liceo Palmieri of Lecce on a tour through the Reserve for a scientific knowledge about the area and to realize the different impact of human activities in protected Areas, with particular attention to the P3 pilot area (Torre Guaceto) of the Interreg CASCADE project. It was a day dedicated to marine and coastal environments and to the importance of Nature preservation for the generation supposed to lead the future, an important phase to understand how correct and everyday habits and economic activities like sustainable fishing and tourism contribute to the preservation of the Reserve.			
Role of CASCADE partner in the event:	Maria Nilla Miccoli, CASCADE communication manager for the Regione Puglia, introduced the event to the participants explained the objectives and activity of the project.			
Type of audience/target groups involved:	Students and teachers			

Target groups (AF Section F)	Target groups reached in this event	Details of involved target
General public		



Local, regional and national public authorities		
Associations		
NGOs		
Education and training organizations as well as universities and research institutes	1	Liceo Classico e Musicale "Palmieri" di Lecce

- Agenda;
- Participation list;
- Photos from event;
- Video of the event:
- Screenshot and links to websites, media relations and press releases issued.



#### Agenda









#### ORE 9:00 - 11:30 | TOUR GUIDATO "SULLA VIA DELLA TORRE"

La conservazione dell'ecosistema e la conoscenza della biodiversità sono gli obiettivi del percorso che attraversa la macchia mediterranea e raggiunge la spiaggia per consentire l'osservazione dei diversi habitat costieri, della zona umida dell'AMP e della Torre Aragonese con il suo allestimento archeologico.

ORE 11:30 | COFFEE BREAK NELLA LECCETA DEL CENTRO VISITE AL GAWSIT OFFERTO DA CASCADE





#### **Photos**













#### Video of the event

https://www.youtube.com/watch?v=x1eQdPDvl-8



Escursione nella Riserva di Torre Guaceto\_28 ottobre 2022





Screenshot and links to websites, media relations and press releases issued

https://www.regione.puglia.it/web/ambiente/-/-you-are-what-you-sea-quarto-evento-del-progetto-cascade



 $\frac{https://europuglia.regione.puglia.it/web/europuglia/-/tour-guidato-nell-area-pilota-della-riserva-di-torre-guaceto-con-il-progetto-cascade$ 





# CoAStal and marine waters integrated monitoring systems for ecosystems proteCtion AnD managemEnt CASCADE

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### Event follow up report

"2.4.5 Guided tour Ornithological reserve Kuti"

13.10.2022



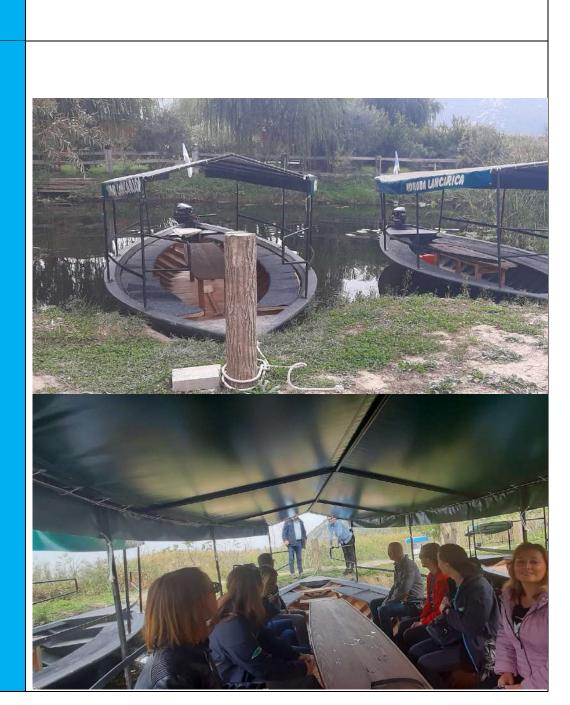
Work Package:	2. Communication activities
Deliverable:	Activity 2.4.5 – Local events

<b>Project Partner:</b>	Dubrovnik Neretva County Institute of Oceanography and fisheries		
Name of event:	Guided tour – Ornithological reserve Kuti		
Date:	13.10.2022		
Venue:	Neretva pilot area - Ornithological reserve Kuti		
Short description of event:	In the framework of the implementation of the EU project CASCADE representatives of the Dubrovnik-Neretva County and Institute of Oceanography and Fisheries hosted an event for local stakeholders and general public in the Ornithological reserve Kuti, in Neretva pilot area with the aim of local community participation in the project deliverables.		
Speakers speeches brief summary and conclusion:	During guided tour with the traditional boat the audience was presented newly protected special ornithological reserve Kuti by Public institution for management of protected natural areas of Dubrovnik-Neretva county representative Margarita Polzer. The wetland habitat like Kuti is extremely important for the underground water supplies restoration, preservation of nutrients and sediment, climate change measurements mitigation, water purification and protection from sea water intrusion. Public institution representative Ana Jeramaz and Ana Tutavac talked about the wetland importance for the bird nesting in the entire Neretva pilot area. The Neretva river mouth and Parila lagoon are mentioned as some crucial areas for the fish species reproduction. The entire area is under Natura 2000 ecological network protection significant for bird species and different habitat types.  Upon return back from the drive with traditional boat, the stakeholders had a working lunch.		
Role of CASCADE partner in the event:	Organisation of the project activities in the P4 (mouth of the river Neretva)		
Type of audience/target	Stakeholders, citizens		



groups involved:

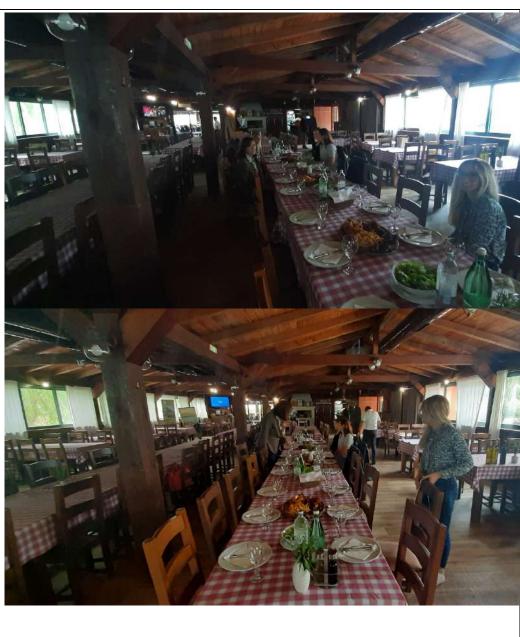
Photos from event:















#### **DNEVNI RED**

### Druga radionica s dionicima

### Interreg Italy – Croatia CASCADE

### Agro etno park Žabac Badžula 13. listopada 2022.

Vrijeme	Aktivnost		
9:30	Registracija sudionika		
10:00	Pozdravna riječ		
	Vicko Grkeš, Dubrovačko-neretvanska županija		
10:15	Predstavljanje rezultata provedenih istraživanja		
	Ivana Ujević, Institut za oceanografiju i ribarstvo		
	Romana Roje Busatto, Institut za oceanografiju i ribarstvo		
10:45	Prikazivanje filma o prirodnim vrijednostima Delte Neretve		
11:00	Predstavljanje potencijalnih mjera za ublažavanje štetnih utjecaja na strogo		
	zaštićene vrste i prirodna staništa Neretve		
	Margarita Polzer, Javna ustanova za upravljanje zaštićenim dijelovima prirode		
	Dubrovačko-neretvanske županije		
11:30	Pauza		
11:40	Rad u grupama		
	Svi sudionici		
12:00	Prezentiranje rada u grupama i odabir mjera i akcija		
	Svi sudionici		
12:30	Obilazak pilot područja – Vožnja lađama do jezera Kuti uz stručno vođenje		
	Javne ustanove za upravljanje zaštićenim dijelovima prirode Dubrovačko-		
	neretvanske županije		
	Svi sudionici		
13:30	Radni ručak		



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	Guided Tour 2022/06/06 – Alla scoperta della laguna di Grado		

Project Partner:	PP4 ARPA FVG		
Name of event:	Guided Tour – Alla scoperta della laguna di Grado		
Date:	2022/06/06		
Event type:	Guided Tour		
<b>Event venue:</b>	In presence		
Short description of the event:	The event is aimed to tourist and generic public interested in discovering the naturalistic beauties of the Grado Lagoon.  ARPA FVG » progetti europei » CASCADE  (ARPA FVG web page reported: news – social media – documents)		
Speakers speeches, brief summary and conclusion:	Claudia Orlandi, Federico Pittaluga, Nicola Bettoso, Alessandro D'Aietti, Alessandro Acquavita.		
Role of CASCADE partner in the event:	Presenters		
Type of audience/target groups involved:	General public		

Target groups (AF Section F)	Target groups reached in this event	Details of involved target
General public	29	
Local, regional and national public authorities		
Associations		
NGOs		
Education and		



training		
organizations as well		
as universities and		
research institutes		

Photos from events

**Guided Tour** 2022/06/06 – Alla scoperta della laguna di Grado



#### Invitation

The invitation for the event was uploaded on a dedicated page of the ARPA FVG official web site. On the same page could be find also the subscription module.

https://www.arpa.fvg.it/temi/temi/acqua/news/alla-scoperta-della-laguna-di-grado-workshop-sulle-attivita-di-monitoraggio-di-arpa-fvg/





### ALLA SCOPERTA DELLA LAGUNA DI GRADO

workshop sulle attività di monitoraggio di Arpa FVG

Sapevate che la Laguna di Grado è uno degli ambienti a maggior biodiversità dell'Adriatico? Volete scoprire la flora e la fauna di questa incredibile area naturale e come essa viene protetta e tutelata?

Partecipa al tour della Laguna di Grado proposto da Arpa FVG, organizzato nell'ambito del progetto europeo CASCADE\*.

Un'occasione per approfondire la conoscenza dell'ambiente marino e costiero dell'Adriatico, un ecosistema vulnerabile che necessità di continue attenzioni e che deve essere tutelato seguendo i principi dello sviluppo sostenibile e della gestione integrata.

Il tour permetterà anche di conoscere le attività di Arpa FVG, le reti di monitoraggio, le misurazioni giornaliere per valutare lo stato e la qualità dell'ambiente marino e la sua evoluzione.

Sono disponibili solamente 30 posti, è necessaria la prenotazione online entro il 31 maggio 2022 a questo link: https://rebrand.ly/iscrizione-cascade

La compilazione del modulo è individuale.

In caso di maltempo l'evento sarà rimandato a venerdì 10 giugno.

Data la limitata disponibilità dei posti, non sono accettati gruppi.



Lunedì 6 GIUGNO 2022



Ormeggio Riva San Vito Porto di Grado motonave Nuova Cristina

#### **PROGRAMMA**

9.30 - Ritrovo e partenza con motonave Nuova Cristina

#### Durante la navigazione:

- descrizione dell'ambiente lagunare (a cura del capitano Paolo Daveggia)
- workshop sulle attività di monitoraggio delle acque lagunari svolte da Arpa PVG (stazioni e strumenti di misura)

12.30 - Pranzo a bordo della motonave

14.30 - Ripresa della navigazione

15.00 - 15.30 - Arrivo a Grado

#### \*CASCADE

è un progetto Interreg
Italia-Croazia che ha lo scopo
di aumentare la conoscenza
dell'ambiente marino-costiero
dell'Adriatico, integrando misurazioni
dirette e simulazioni numeriche.
Le informazioni acquisite saranno
impiegate per valutare il livello
di vulnerabilità della biodiversità
dell'ecosistema in un'ottica generale
di supporto alla gestione
integrata costiera.
Arpa FVG è Partner
di progetto.



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Project Partner:	PP5 – IUAV University	
Name of event:	GUIDED TOUR IN CHIOGGIA COASTAL AREA	
Date:	6.11.2021	
Event type:	Guided tour organized by project partner PP5	
Event venue:	In person	
Short description of the event:	The event was created in the framework of a workshop focused on the simulation of planning and management proposal for the marine coastal area which include the Site of Community Importance (SCI) of Tegnùe of Chioggia.  The field trip to the coastal area of Chioggia allowed to provide an overview of the natural socio-cultural dynamics and to foster understanding on main specificities and challenges to the planning and management of the case study local context of the site.	
	The boat trip from Venice to Chioggia has fostered the ability to understand the topic of the land-sea interaction and, the connection between the activities developed on the terrestrial and marine environment. Moreover, it was evident the notion of conflicts, between vulnerable-environmental realities and economic sectors such as maritime traffic and major routes of national-international importance.	
Speakers speeches, brief summary and conclusion:	Dr. Federico Fabbri from the Iuav University of Venice introduced the CASCADE project and the journey to the participants explaining the importance of the inspection in the area to understand the spatial dimension at sea. A booklet describing the project, the characteristics/fragility of the Tegnùe di Chioggia and their relationship with the coast was handed out.	
	Planning at sea means obtaining an integrated vision of the present activities and their possible management. For this reason, the theme of the management plan was introduced and how this can guarantee mitigation of emerging conflicts and increase synergies.	
	During the boat trip, Dr. Daniele Brigolin began to present the ecological and ecosystem system of the lagoon and the sea. A focus was made on aquaculture and fishing activities and the dynamics that climate impact and anthropogenic pressures have on the sea and the environment.	



	We visited the coast, through a long walk, and analyzed the activities existing: from the associations of divers to the community of kite surfers and windsurfers, from economic activities (bars, restaurants, etc.) to the management of beaches equipped for tourism purposes.
	In this context, Dr. Tecla Maggioni (Spanish NGO) and Dr. Anastasia Charitou (Greek NGO) introduced the theme of ocean literacy and marine litter, explaining how the activities for the participation and involvement of citizens and users is essential to ensure better management and awareness of the maritime issue.
	The day ended with a visit to the fish market of Chioggia, showing which species are local and which are from other countries to obtain a sustainable vision of the resources.
Role of CASCADE partner in the event:	Event organisation and content presentation
Type of audience/target groups involved:	The main representatives of public and private bodies and associations involved in the use and management of the marine-coastal area in which the Tegnùe di Chioggia SCI is located were invited to participate.

Target groups (AF Section F)	Target groups reached in this event	Details of involved target
General public	Students, Researchers.	<ul> <li>15 people, including:         <ul> <li>Iuav University of Venice (master students)</li> <li>University of Thessaloniki, Greece (master students)</li> <li>University of Marseille, France (master students)</li> <li>Folco Soffietti (researcher IUAV University)</li> <li>Federica Gerla (researcher IUAV University)</li> <li>Alberta Rocca (Project Manager, Global Campus of Human Rights)</li> </ul> </li> </ul>
NGOs		<ul> <li>ISea, Greek NGO (Anastasia Charitou)</li> <li>SUBMON, Spanish NGO (Tecla Maggioni)</li> </ul>
Education and training organizations as well as universities and research institutes	Universities ad research institutes	<ul> <li>Iuav University of Venice (Daniele Brigolin, Federico Fabbri, Fabio Carella)</li> <li>University of Marseille, France (Delphine Thibault)</li> <li>Tethys Research Institute, Milan (Elena Politi)</li> </ul>



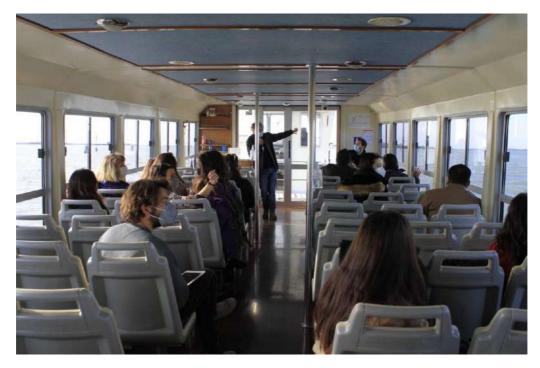
- Photos
- Brochure

















Target groups (AF Section F)	Target groups reached in this event	Details of involved target
General public  Local, regional and national public authorities	Local, regional and national public authorities	<ul> <li>Confcooperative Fedagripesca Veneto (Marco Spinadin)</li> <li>Capitaneria di Porto di Chioggia (Giuliano Gentilini; Cosimo Rizzo)</li> <li>Punto Confindustria (Laura Stoppa)</li> <li>Parco Delta del Po (Marco Gottardi)</li> </ul>
Associations	Amateur Sports Association and press agencies	<ul> <li>Chioggia Azzurra (Micaela Brombo; Andrea Comparato)</li> <li>ASD Pesca Sportiva In Mare (Nino Gobbetti)</li> </ul>
Education and training organizations as well as universities and research institutes	Universities ad research institutes	<ul> <li>CORILA (Caterina Dabalà)</li> <li>University of Bologna (Massimo Ponti)</li> <li>University of Padova (Carlotta Mazzoldi)</li> <li>CNR – ISMAR (Marco Sigovini; Alessandro Bergamasco; Elisabetta Manea)</li> </ul>

- Invitation
- Poster
- Photos
- Maps
- Minutes
- Presentation

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### GUIDED TOUR IN CHIOGGIA COASTAL AREA

This event has been created in the framework of a workshop focused on the simulation of planning and management proposal for the marine coastal area which include the Site of Community Importance (SCI) of Tegnùe of Chioggia.

Research and campaign experiences are presented to the partecipant

The field trip to the coastal area of Chioggia selected allowed to provide an overview of the natural socio-cultural dynamics and to foster understanding on main specificities and challenges to the planning and management of the case study local context of the site.

Partecipants are provided with data and information on the case study to support the development of their work.

This activity is organized by IUAV university in the framework of CA-SCADE project (Task 2.4).

www.italy-croatia.eu/cascade





The SCI IT3250047 of the Tegnùe of Chioggia represents an area of great environmental interest in the context of the Venetian coastal area.

Several activities affect the area surrounding the SCI IT3250047, including maritime traffic, fishing, sand extraction, and aquaculture. The site is also of particular interest for underwater tourism.

Declared Zone of Biological Protection (ZTB) in 2002, proposed as Site of Community Interest (SCI) in 2010, and more recently, in 2018, declared Special Area of Conservation (SAC) the area, in addition to presenting a high diversity of sessile species characteristic of hard substrate habitats, contributes to sustaining the life cycles of the local ichthyofauna. Some studies have investigated the function of Tegnùe in the life cycle of species of both conservation and commercial interest (concerning food resources provided, and as a refuge area). In this perspective, the site can represent an oasis of biodiversity that allows preserving and regenerating the fish resources, containing their deterioration in the surrounding area.



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# Thematic event Sacca di Goro Bike and Boat, lab e workshop

Thursday, 24<sup>Th</sup> September 10.00 AM, 4,00 PM and 6.00 PM



Work Package:	2. Communication activities
Activity	2.4 – Events, Training and Workshops
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Project Partner:	Indicate partner number and name: Delta 2000	
Name of event:	Cascade Event La Sacca di Goro	
Date:	SATURDAY 24th SEPTEMBER 10.00 AM - 4.00 PM AND 6.00 PM	
Event type:	Specify the type of event (i.e., guided tour, laboratory, seminary, workshop, scientific training, conference, etc.): guided tour, laboratory, worhshop Specify if external or organized event: organized event	
Event venue:	Specify the venue for in presence events or indicate online: Gorino, Porto Peschereccio, Goro Porto Peschereccio and Stabulario Copego	
Short description of	A day of excursions and workshops.	
the event:	10.00 - Bike and Boat along the River (Gorino, Fishing Port) This tour alternated the boat and the bicycle to go discovering the Delta. On board of a small boat we sailed inside the Sacca di Goro, one of the most precious environments in the delta, with its thick reeds and narrow canals, populated by a great variety of water birds. At the end of the boat ride, the itinerary continued on bicycles where the participants rided along the river and observed the characteristic boats-bridge, wide floodplains, wide expansen and cultivated rice fields.  16.00 - We do not know which fish to take (fishing port of Goro) The guided tour, accompained by a fisherman, allowed to discover the different boats and the main fishing techniques used in the Sacca di Goro. Kids have been involved in a team game, so they could learn the characteristics of the different marine organisms that populate the lagoon. At the end, a small study of the SEAWatcher application, a platform that allows you to record and report the presence of marine litter and consequently to contribute to the protection of the environment.  18.00 - workshop (Goro, Co.pe.go Stabulario Via dell'Industria 18) "Climate change and alien species in the lagoons and coastal waters of Emilia-Romagna"	
Speakers speeches, brief summary and conclusion:	The workshop, conducted by Fabio Fiori (Mare Scarl) and Mattia Lanzoni (University of Ferrara), took place in the form of a dialogue open to the public that involved the participants and gave rise to a discussion on climate change and the presence of alien species that populate the coastal lagoons of the Emilia-Romagna. At the end of the workshop, the participants could enjoy a good aperitif.	



Role of CASCADE partner in the event:  Type of audience/	Delta 2000 coordinated the event and organized it through the service provider Atlantide  Adults, Family, Citizens and Tourists
target groups involved:	Addits, Family, Citizens and Tourists

Target groups (AF Section F)	Target groups reached in this event	Details of involved target
General public	8	Adults, Family, Citizens and Tourists
Local, regional and national public authorities		
Associations		
NGOs		
Education and training organizations as well as universities and research institutes	2	University of Ferrara ( Mattia Lanzoni), Mare Scarl (Fabio Fiori)

- 2.2 Participation list
- 2.2 Photo
- 2.2 Promo material





A Goro il 24 settembre, si fa sport, si gioca con il mare, si imparano nuove cose. Ci vediamo là?

#ERinblue



#### FLAG Costa dell'Emilia-Romagna 3 g · 🕥

Sabato 24 settembre non mancare all'appuntamento con Cascade Event: la Sacca di Goro con eventi da non





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# Study visit Foce Bevano Bike ride in Pineta Ramazzotti, Citizen Science Lab Workshop

Saturday 10<sup>Th</sup> September 3.00 PM



Work Package:	2. Communication activities
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Project Partner:	PP8 Delta2000	
Name of event:	Bike ride in Pineta Ramazotti	
Date:	Saturday 10 <sup>™</sup> September, 3.00 PM	
Event type:	Guided bike ride, citizen science lab and workshop	
Event venue:	Pineta Ramazzotti - Lido di Dante	
Short description of the event:	Guided bike ride to discover the biodiversity of Pineta Ramazzotti, citizen science laboratory followed by a meeting with Dr. Giuseppe Prioli, expert and director of the Coop Mare of Cattolica.	



Speakers speeches, brief summary and conclusion:

#### 3.00 pm - guided bike ride

Meeting point: Viale Guido del Duca car park in Lido di Dante (Camping area Ramazzotti) The pine forest represents a unique natural heritage that must be safeguarded and known for its extraordinary beauty and the animal species that live here. The area, in close proximity to the sea, hosts the nesting of the kentish plover, a protected species of wader that nestles on the beach. The partecipants were guided by an expert in the discovery of the forest: moving around with the bikes they could appreciate the diversity of the vegetation, trying to identify plants and flowers. It was interesting to discover that the area of interest in 2012 was destroyed by a wildfire, but thanks to the efforts of the local communities and associations in the last 10 it managed to recover well. The tour led the group down to the mouth of the Bevano river, a proteced area were numerous species of birds live and nest. This salt marsh area allowed also to talk about alien species living in the Adriatic, such as the blu crab (*Callinectes sapidus*). Participants were also able to visit the interior of a "bilancione" the typical warehouse of fisherman used as a fishing point but also as storage for all the fishing tools.

#### 4.30 pm - citizen science lab

One of the first steps in discovering and understanding biodiversity is to recognize the organisms that surround us and give them a name.

Once we get to the watchtower located at the mouth of the Bevano, the participants were offered an activity of

recognition of the plant species present on site. Using their own smartphones or tablets made available by the organization and an open source applications or platforms, such as Dryades, the participants

were be able to try their hand at a laboratory of recognition and census of the typical flora of the area. This type of recognition activity carried out through open source platform allows to record and transmit data

collected, contributing to the mapping of cataloged species, in context operational that is fully part of the citizen science actions

6.00 pm - workshop: Integrated management and innovative models, with reference to Marine Areas Protected Areas, Biological Protection Areas and Sites of Community Interest, an opportunity for tourism, fishing and aquaculture

Later on, in a dedicated area of the camping Classe, people interested attended a workshop held by Dr. Giuseppe Prioli, expert and director of the Coop Mare of Cattolica. He gave informations on protected areas, fishing activities and aquaculture, also depicting the local situation; indeed the Adriatic is well know for the widspread presence of farms of clams and mussel, beside the economic dependence of the area on bottom trawling, whose damage to the marine environment is well known. It was a unique opportunity to learn and ask questions on the sea and its conservation, an all the attendee showed interest and participation.

Role of CASCADE partner in the event:

Delta 2000 coordinated the event and practically organized the activity through the external service provider Atlantide.

Type of audience/ target groups involved: Tourists and families





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Continuano gli appuntamenti gratuiti di Cascade Summer Events!

- © giovedì 8 settembre ore 21 a Bellaria "Navigare tra le stelle", osservazione del cielo stellato al telescopio elettronico guidati da Emanuele Cambiotti
- sabato 10 settembre ore 15.30 a Lido di Dante- "Bici in Pineta Ramazzotti", escursione a pedali fino alla foce Bevano e alle ore 18 workshop al Camping Classe insieme al Dottor Giuseppe Prioli, esperto di tutela degli ambienti marini

Prenotati 👉 340 1739381 | eventi.cascade@deltaduemila.net #cascade #cascadesummerevents

