

2014 - 2020 Interreg V-A
Italy - Croatia CBC Programme
Call for proposal 2019 Strategic

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

D5.4.3

Local events (about a total of n. 10 guided tours and scuba diving for general public for scientific, tourist and recreational purposes; n. 10 Laboratories and didactical activities for schools)

PP in charge: all PPs

Report of the n. 10 guided tours and scuba diving –
part 3

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 number	WP5
Word Package title	Pilots for endangered species restoration and Integrated coastal/marine management system
Activity number	Activity 5.4
Activity title	Ocean literacy toolkit and events
Partner in charge	All PPs
Partners involved	All PPs

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Event follow up report

"Delta Neretva guided tour"

22.09.2021

Work Package:	<i>5. Pilots for endangered species restoration and Integrated coastal/marine management system</i>
Activity	<i>5.4 - Ocean literacy toolkit and events</i>
Deliverable:	<i>5.4.3 - Local events (guided tours and scuba diving for general public for scientific, tourist and recreational purposes; Laboratories and didactical activities for schools)</i>

Project Partner:	<i>PP3 Dubrovnik Neretva County PP10 IOF</i>
Name of event:	<i>Guided tour of Delta Neretva</i>
Date:	<i>22.09.2021</i>
Event type:	<i>Guided tour, organised event</i>
Event venue:	<i>P4 Neretva pilot area</i>
Short description of the event:	Representatives of the Dubrovnik-Neretva County and IOF in the framework of the implementation of the EU project CASCADE organized guided tour through Neretva pilot area (P4). The tour started at 1 pm and it included main stop at the bird watching station.
Speakers speeches, brief summary and conclusion:	Ana Tutavac, Dipl. Ing. Biol. staff of Public Institution for the management of protected areas gave a presentation on the biodiversity of the Neretva estuary during the guided tour on the pilot area and description of the Cascade project activities on P4 pilot area. During the presentation one of the citizens engaged in the discussion in which he commented one of the problems regarding the salinization process inside the delta area and water level decrease during the summer months. Blue Crab was also mentioned as a new invasive species which arrived to Neretva due to climate change effects and the most effective ways of controlling it.
Role of CASCADE partner in the event:	Presentation of project activities in the P4 (mouth of the river Neretva), biodiversity of the Neretva and organisation of the event.
Type of audience/target groups involved:	Stakeholders, citizens

Target groups (AF Section F)	Target groups reached in this event	Details of involved target
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General public	24	
Local, regional and national public authorities	1	Representative from Metković city attended tour
Associations		
NGOs	1	Representative from HBOD non-profit organisation attended tour
Education and training organizations as well as universities and research institutes		

Annexes:

- Photos from events (it is preferable to have few photos where CASCADE logo is visible - on presentation, poster, roll-up, promotional materials etc.),
- Screenshots, Invitation, Agenda, Minutes, Participation list (if available), Abstract, etc.

Explanation:

By the end of project, in LIBRARY and TOOL section of project website must upload:

- Reports of all meetings,
- Reports of all events organized (local events, etc.),
- Reports of participation in external events,
- PDF versions of promotional materials,
- Reports with links to websites, media relations and press releases issued.

**Photos
from
event:**









Dubrovačko-neretvanska županija
Upravni odjel za zaštitu okoliša i komunalne poslove
Vukovarska 16, 20 000 Dubrovnik

Institut za oceanografiju i ribarstvo
Šetalište I. Meštrovića 63
21000 Split

Dubrovnik, 16. rujna 2021.

Poštovani,

u suradnji Dubrovačko-neretvanske županije i Instituta za oceanografiju i ribarstvo, a u sklopu provedbe EU projekta CASCADE, pozivamo Vas na predstavljanje projekta koje će se održati u Metkoviću - Hotel Narona, u srijedu, 22. rujna 2021. godine s početkom u 9:30 sati.

CASCADE je projekt u sklopu programa prekogranične suradnje INTERREG Italija – Hrvatska te obuhvaća teme zaštite morskog okoliša i održivog razvoja, s posebnim fokusom očuvanja i obnove ekosustava.

Nakon predstavljanja osnovnih aktivnosti i ciljeva projekta, slijedi obilazak pilot područja u kojem će se sudionici pobliže upoznati sa ekosustavom ušća Neretve. Više detalja možete pročitati u priloženom dnevnom redu.

Radi situacije s pandemijom COVID-19, događanje će se održati prema svim važećim mjerama i preporukama Stožera Civilne zaštite RH. Broj sudionika je ograničen i potvrda sudjelovanja obvezna, elektronskim putem na e-mail adresu: vicko.grkes@dnz.hr, najkasnije do ponedjeljka 20. rujna 2021.

S poštovanjem,

Iva Slade, mag.biol.et oecol.mar
*Upravni odjel za zaštitu okoliša
i komunalne poslove
Dubrovačko-neretvanska županija*

Dr.sc. Ivana Ujević
*Laboratorij za plankton i toksičnost
školjkaša
Institut za oceanografiju i ribarstvo
Split*



DNEVNI RED

Interreg Italy – Croatia

CASCADE

Hotel Naron, Trg Kralja Tomislava 1, Metković

22. rujna 2021

9:30 – 10:00	Registracija sudionika
10:00 – 10:10	Pozdravna riječ <i>Dubrovačko-neretvanska županija, Institut za oceanografiju i ribarstvo</i>
10:10 – 10:25	Uvodno predstavljanje projekta Cascade <i>Miho Baće, Pročelnik UO za zaštitu okoliša i komunalne poslove Dubrovačko-neretvanske županije</i>
10:25 – 10:40	Predstavljanje aktivnosti projekta Cascade <i>Vicko Grkeš, Viši stručni suradnik UO za zaštitu okoliša i komunalne poslove Dubrovačko-neretvanske županije</i>
10:40 – 10:50	Metali u morskom okolišu <i>Dr.sc. Jelena Lušić, Institut za oceanografiju i ribarstvo</i>
10:50 – 11:00	Pojava PSP toksina u školjkama hrvatskog Jadrana <i>Mr.sc. Romana Roje-Busatto, Institut za oceanografiju i ribarstvo</i>
11:00 – 11:10	Morski biotoksini <i>Dr.sc. Ivana Ujević, Institut za oceanografiju i ribarstvo</i>
11:10 – 11:30	Rasprava i zaključci
11:30 – 11:50	Pauza za kavu
12:00 – 13:00	Obilazak pilot područja – Delta Neretve uz stručno vođenje Javne ustanove za upravljanje zaštićenim dijelovima prirode Dubrovačko-neretvanske županije
13:00 – 14:00	Radni ručak

<https://www.edubrovnik.org/eko-rujan-predstavnici-dubrovalko-neretvanske-zupanije-predstavili-projekt-cascade-u-metkovicu/>

<https://www.liberportal.hr/vijesti/eko-rujan--predstavnici-dubrovalko-neretvanske-zupanije-predstavili-projekt-cascade-u-metkovicu>

<http://metkovic-news.com/news/predstavnici-dubrovalko-neretvanske-zupanije-predstavili-projekt-cascade-u-metkovicu/>

<https://www.metkovic.hr/2021/09/23/predstavnici-dubrovalko-neretvanske-zupanije-predstavili-projekt-cascade-u-metkovicu/>

Najava na radiu taj dan

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Event follow up report

Work Package:	<i>5. Pilots for endangered species restoration and Integrated coastal/marine management system</i>
Activity	<i>5.4 – Ocean literacy toolkit and events</i>
Deliverable:	<p><i>5.4.3 - local events (about a total of n. 10 guided tours and scuba diving for general public for scientific, tourist and recreational purposes; n. 10 Laboratories and didactical activities for schools)</i></p> <p>2022/07/16 – Snorkeling with <i>Visual census</i> 2022/07/20 – Snorkeling with <i>Visual census</i> 2022/08/03 – Snorkeling with <i>Visual census</i> 2022/08/21 – Snorkeling with <i>Visual census</i></p>

Project Partner:	PP4 ARPA FVG
Name of event:	Snorkeling con visual census a Miramare per il progetto Cascade
Date:	2022/07/16 – 2022/07/20 – 2022/08/03 – 2022/08/21
Event type:	Snorkeling with <i>Visual census</i>
Event venue:	In presence
Short description of the event:	The event is aimed to tourist and generic public interested in discovering the sea through the activity of snorkelling with <i>visual census</i> ARPA FVG » progetti europei » CASCADE (ARPA FVG web page reported: news – social media – documents)
Speakers speeches, brief summary and conclusion:	Claudia Orlandi, Nicola Bettoso, Lisa Faresi, Saul Ciriaco
Role of CASCADE partner in the event:	Collaborator
Type of audience/target groups involved:	General public

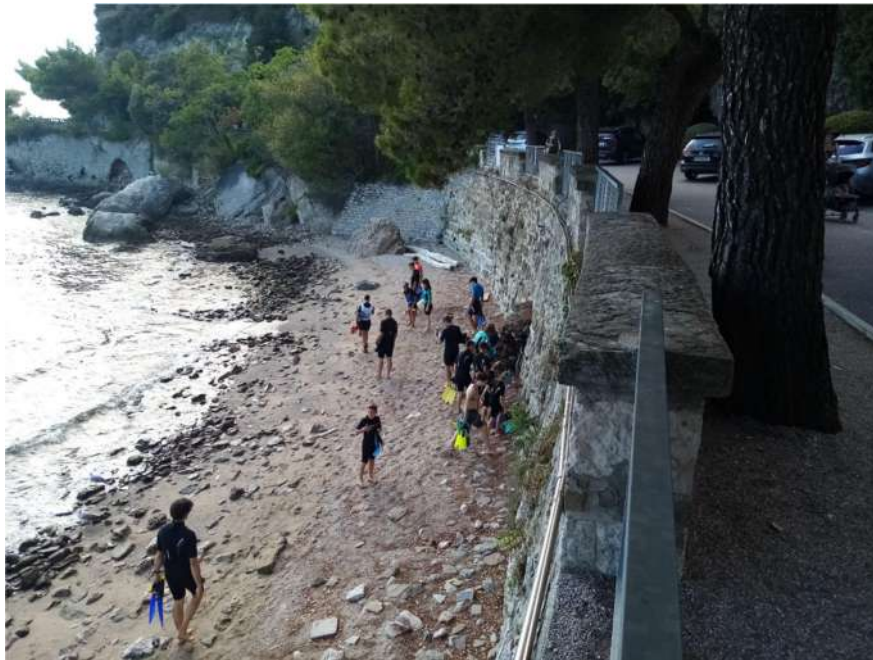
Target groups (AF Section F)	Target groups reached in this event	Details of involved target
General public	16	
Local, regional and		

national public authorities		
Associations		
NGOs		
Education and training organizations as well as universities and research institutes		

Annexes:

- Pictures from the events





● Attach a brief video of the environment

● Invitation

The invitation for the event was uploaded on a dedicated page of the ARPA FVG official web site. [Snorkeling con visual census a Miramare per il progetto Cascade - ARPA FVG](https://programming14-20.italy-croatia.eu/web/cascade)

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Deliverable:	<i>5.4.3 - Local events (guided tours and scuba diving for general public for scientific, tourist and recreational purposes; Laboratories and didactical activities for schools)</i>

Project Partner:	PP13: University of Molise
Name of event:	Immersi nell'Area Marina protetta Torre del Cerrano: alla scoperta di habitat e organismi marini
Date:	17/06/2022
Event type:	<ul style="list-style-type: none"> - Scuba diving - Organized event
Event venue:	P10: <ul style="list-style-type: none"> - Torre del Cerrano
Short description of the event:	The snorkelling was an exploration at the surface of the water with mask fins and snorkel in the Marine Protected Area.
Speakers speeches, brief summary and conclusion:	Cerrano Guides led participants on an immersion into a protected and pristine environment, telling about, marine species and archaeology on the ruins of the ancient port of Hatria.
Role of CASCADE partner in the event:	The snorkelling involved citizens and tourists to discover the habitats and marine organisms that populate the Torre del Cerrano MPA.
Type of audience/target groups involved:	<ul style="list-style-type: none"> - Citizens - Tourists

Target groups (AF Section F)	Target groups reached in this event	Details of involved target
General public	8	Citizens and tourists
Local, regional and national public authorities		
Associations	1	ASD Guide del Cerrano
NGOs		

<p>Education and training organizations as well as universities and research institutes</p>		
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Annexes:

- Photos from events




- Event poster



SNORKELING

Immersi nell'Area Marina protetta Torre del Cerrano:
alla scoperta di habitat e organismi marini

 **17 giugno 2022**

 Area Marina Protetta Torre del Cerrano

Ore 8:00 – Raduno dei partecipanti INFO POINT (ingresso sottopasso Torre Cerrano), fornitura attrezzature e attività di tutorato all'immersione con briefing di sicurezza, archeologia e biologia

Ore 8:30 – Inizio attività di snorkeling (esplorazione a pelo d'acqua con maschera pinne e boccaglio)

Ogni partecipante sarà munito di LIFE Jacket. Si consiglia di munirsi di propria attrezzatura (in particolare maschera e boccaglio). Nel caso non si disponga di propria attrezzatura, si chiede di comunicarlo all'atto della prenotazione.

Info e prenotazioni: guidedelcerrano@gmail.com **335.79.30.903**
Posti gratuiti limitati



Progetto CASCADE (CoAStal and marine waters integrated monitoring systems for ecosystems proteCtion AnD managemEnt) - INTERREG V-A Italy-Croatia CBC 2014-2020 European Regional Development Fund



- Press release

<https://www.facebook.com/107837484810983/photos/a.116800057248059/346861984241864/>

<https://www.facebook.com/107837484810983/photos/a.116800057248059/363237665937629/>

- Participants list

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Event follow up report

Work Package:	<p>Indicate if:</p> <p>2. <i>Communication activities</i></p> <p>5. <i>Pilots for endangered species restoration and Integrated coastal/marine management system</i></p>
Activity	<p>Indicate if:</p> <p><u>2.4 – Events, Training and Workshops</u></p> <p>5.2 - <i>Restoration actions supporting endangered species</i></p> <p>5.3 – <i>Integrated coastal/marine management systems</i></p> <p>5.4 - Ocean literacy toolkit and events</p>
Deliverable:	<p>Indicate if:</p> <p>2.4.3 - <i>Cross-border event</i></p> <p>2.4.4 - <i>Summer school</i></p> <p>2.4.5 - <i>Local events: organized events as defined in the AF (guided tours, laboratories, seminars, workshops, scientific training) and external events. In this deliverable both organized meetings and external events attended by PPs must be included</i></p> <p>5.2.1 - <i>Organization of at least 2 workshops (also virtual) for each Pilot for stakeholders engagement (at least 15 participants for each workshop) and capacity building on restoration actions supporting endangered species</i></p> <p>5.3.2 - <i>Organization of at least 2 workshops (also virtual) for each Pilot for stakeholders engagement (at least 15 for each workshop) and capacity building on integrated coastal/marine management systems</i></p> <p>5.4.2 - <i>Ocean literacy events: online and in presence events will provide opportunities to present the essential scientific principles and info, to interact and to dialogue with experts</i></p> <p>5.4.3 - Local events (guided tours and scuba diving for general public for scientific, tourist and recreational purposes; Laboratories and didactical activities for schools)</p>

Project Partner:	<i>PP15 Public Institution Sea and Karst</i>
Name of event:	Guided tour with stakeholders in the tourism sector
Date:	May 28th, 2022
Event type:	<p><i>Specify the type of event (i.e., guided tour, laboratory, seminary, workshop, scientific training, conference, etc.)</i></p> <p><i>Specify if external or organized event</i></p>
Event venue:	<i>Specify the venue for in presence events – Cetina river and estuary</i>
Short description of the event:	<p>A guided tour was organized for stakeholders in the tourism sector to educate them on the natural values of the Cetina river and estuary and the interactions that exist between the three ecosystems (freshwater, brackish and marine). The guided tour started with the presentation in Radmanove Mlinice</p>

	(watermill) and then continued with rafting boats from the Pavića most (bridge) to the bridge in Omiš where the marine ecosystem starts. Participants were able to learn about Natura 2000 target habitats and species, as well as commercial species whose life cycle is linked to the interaction between the river and the sea (European eel <i>Anguilla Anguilla</i> , sea lamprey <i>Petromyzon marinus</i>) and those commercial species that frequently migrate from the sea to the freshwater to find food such as many species of genus <i>Liza sp.</i> , European seabass <i>Dicentrarchus labrax</i> and many others. An overview of threats to the ecosystems including invasive species of the blue crab <i>Callinectes sapidus</i> was provided. The ornithologist of the public institution explained the biology of the bird species that the participants observed during the visit and the herpetologist of amphibians and reptiles.
Speakers speeches, brief summary and conclusion:	Gvido Piasevoli, Stjepan Mekinić and Jelena Kurtović Mrčelić from PI Sea and Karst
Role of CASCADE partner in the event:	An organizer
Type of audience/target groups involved:	Stakeholders in the tourism sector

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	Stakeholders in the tourism sector	Representatives of private and public institutions involved in tourism sector: rafting, kayaking, restaurateurs, diving, tourism board, NGO, tourism agency, etc.

Annexes:

- Photos from events (it is preferable to have few photos where CASCADE logo is visible - on presentation, poster, roll-up, promotional materials etc.),





- Screenshots, Invitation, Agenda, Minutes, Participation list (if available), Abstract, etc.



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Event follow up report

Work Package:	5. Pilots for endangered species restoration and Integrated coastal/marine management system
Activity	5.4. Ocean literacy toolkit and events
Deliverable:	D.5.4.3 local events (about a total of n. 10 guided tours and scuba diving for general public for scientific, tourist and recreational purposes; n. 10 Laboratories and didactical activities for schools)

Project Partner:	RBi Rudjer Boskovic Institute
Name of event:	Education and training organizations as well as universities and research institutes
Date:	14. 06. 2022
Event type:	Lecture and discovery diving- External event
Event venue:	In presence – Klub for under water activities KPA Rovigno
Short description of the event:	22 participants participated in discovery diving in Valdibora (pilot 8) and had lecture on biodiversity later in the club where CASCADE project was presented
Speakers speeches, brief summary and conclusion:	Daniela Maric Pfannkuchen gave them a lecture on June 14 for teachers and students
Role of CASCADE partner in the event:	The lecture was aimed at publicizing the Institute history, local research themes and presentation of international projects the INTERREG project CASCADE. Focus was on biodiversity. With te emphasis to habitat loss, endangered species Pinna nobilis and the invasive species entering the Adriatic sea, ecc.
Type of audience/target groups involved:	The event involved teachers and students and divers.

Target groups (AF Section F)	Target groups reached in this event	Details of involved target
Education and training organizations as well as universities and research institutes	1	30 teachers students from two high schools participated to the event

Annexes:

- 1_Photos of the lecture and laboratory tour
- 2_Presentation of CASCADE Project;
- 3_list of the participants

Annex 1 Photos







Annex 2

Presentation



Reaveiling the hidden biodiversity

CASCADE | PP2 | Ruđer Bošković Institute
Center for marine research

Desc. Baništa Marič Frankočan
Workshop with diverse
WP2 | web meeting | 04 May 2022



1




1891
Berlin's zoological garden and aquarium established field station in Rovinj to collect plants and animals, as Trieste, which was used previously, was already polluted at that time...






2





1800
Soon marine scientists were attracted by new facilities with electricity, running sea and freshwater, research vessels, aquarium...



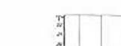
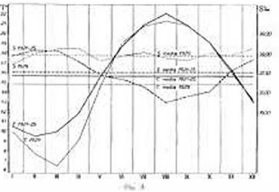

2



After more than 130 years research continues in the same partially reconstructed building with a modernized fleet of three RVs, focusing on...




4

1920
Basic oceanographic data were measured near Rovinj in twenties and this was the start of the Rovinj's long term data set.

5




Adriatisches Phytoplankton
Dr. Maria Schindler-Bertram
Abhandlung der Biologie der Pflanzen
Von 20. Juli bis 1. August 1900 amorpher der Lahn der Zoologischen Station zu Rovinj, Dr. Th. Schindler, mit dem Naturhistorischen Museum Venedig, eine Fahrt auf die Adriatischen Inseln, um den nach Prof. Dr. A. Bracco aus Ancona, und nach Prof. Hermann von Silléon und ich selbst, im Jahre 1900, welche Expedition und langwierige, Herbstsemester zu unternehmen, der Idee des Vorlesers, und die Vollziehung, wissenschaftlicher Ergebnisse der




6




1970
Ex mineosveđer was bought from Yugoslav Navy and reconstructed into a research vessel. This enabled research over the whole Northern Adriatic and phytoplankton long-term data set was started



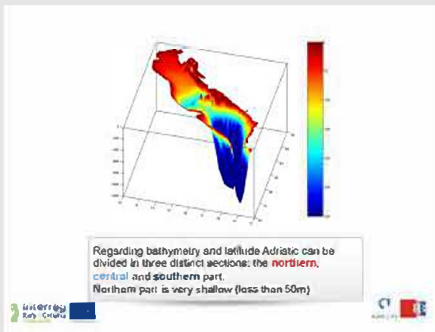

7



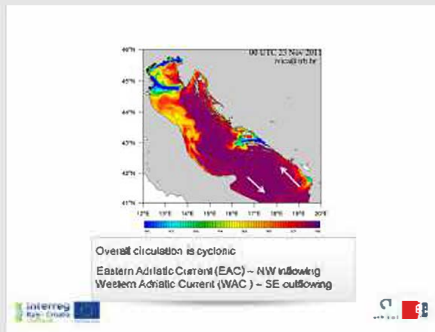

... processes in the water column, microbial ecology, physical oceanography, ecophysiology and ecotoxicology, benthic ecology.




8



9



10

2014-2020 INTERREG V-A ITALY - CROATIA CBC PROGRAMME - STRATEGIC PROJECTS

CASCADE - CASCADE and marine waters integrated monitoring systems for ecosystems protection and management.

- Priority Axis 3: Environment and cultural heritage
- S.O. 3.2: Contribute to protect and restore biodiversity
- Strategic theme 3.2.1 - Marine environment

Improve the environmental quality conditions and build a resilient, sustainable and innovative territories and ecosystems connecting vulnerable and create the technologies and approaches related to the global environmental monitoring systems and innovation.

TOP DOWN APPROACH to identify 11 strategic themes which represents the main challenges identified during the implementation of the Programme.

36 months (03.01.2014 - 31.12.2020)
Total operations: 5.812.547,00 €

11

TERRITORIAL CHALLENGES

Adriatic Sea - one of the most vulnerable natural ecosystems of the programme area

semi-enclosed basin which exacerbates the impacts of natural and man-made hazards on ecosystems and socio-economic activities

FACTORS

- increased coastal population and their lifestyle changes
- intensive economic activities
- fluvial inputs from large drainage basins
- discharges from urban and transportation activities
- eutrophication
- alien species invasions
- climate change effects
- etc.

12

PROJECT DESCRIPTION

CASCADE will develop a set of concerted and coordinated actions

MONITORING

- observing
- modelling

MANAGEMENT

- Maritime Spatial Planning - MSP
- Integrated Coastal Zone Management - ICZM
- Land-Sea Interaction - LSI

- to enhance the knowledge
- to evaluate the quality and assess the vulnerability of inland, coastal and marine ecosystems in Italy and Croatia

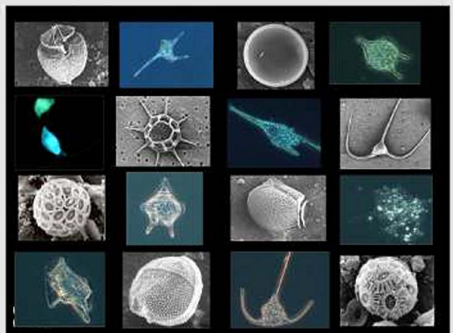
FINAL OBJECTIVES

- protect endangered species
- support integrated management

13



14



15

U Jadranskom moru su prisutne četiri vrste morskih cvjetnica: Posidonija ili oceanski porost (*Posidonia oceanica*), morska svilina (*Zostera marina*), patuljasta svilina (*Zostera noltii*) i cvorasta morska reša (*Cymodocea nodosa*)



16



17

Pravni ČUVAN POSIDONIJE

Vidiš li na slikama trije? Uočavaš li razliku kroz godine?

Kakva nas budućnost očekuje?



18

Plemenita periska (Pinna nobilis) i masovna smrtnost

Plemenita periska (*Pinna nobilis*) je najveći mediteranski školjčak, endem Sredozemnog mora. Tijekom najdužije sedamdesetna dno s kvadrata površine odjedne, a zabilježena je na dubinama od 0.5 m do 60 m. Može narasti do 120 cm te se pojavljuje u cijelom Jadranu, ima važnu ulogu u ekosistemu kao filtrirni mekci, a na njenim ljuskarima obitavaju brojne vrste.

Plemenita periska (*Pinna nobilis*) je strogo zaštićena vrsta u Hrvatskoj sukladno Zakonu o zaštiti prirode (Narodne novine, broj 88/16, 15/18, 14/19, 12/19) i Pravilniku o strogo zaštićenim vrstama (Narodne novine, broj 144/19, 73/18).



19

Tijekom jeseni 2016. godine na obali Šparijolste zabilježene su pojave masovnog pomora plemenitih periski. Zaraza se vrlo brzo proširila i zahvatila cijeli hrvatski dio Jadrana u kojem bilježimo masovna uginuća plemenite periske uzrokovana bolešću.

Moguću uzročnik masovnog pomora periski je *Haplosporidium parvum* paraziti iz skupine truskovaca (Sporozoa) koji parazitira u tkivu periske, no nije potvrđeno radi li se jedinom uzroku smrtnosti.

U 2020. godini pojave masovnog pomora periske zahvatila je sve zemlje Mediterana sa smrtnošću populacija i do 100 %.



20

Prirodni štetočnik „Vidiš li ih u udjeljku“ koja je 2019. godine Ministarstvo gospodarstva i održivog razvoja potvrdilo kao štetočnik koji uzrokuje na kultura masovne žetve prirodne plemenite periske, tako da se uočavaju i očištanje tih lezija plemenite periske u prirodi je prilično teško. Posljedice plemenite periske mogu biti katastrofalne, posebno u ljeto. Najveći su izazovi s njom cijelo godine, no najveća važnost najviše dolazi iz razlika u ljeto. Najveći izazov je u ljeto. Najveći izazov je u ljeto. Najveći izazov je u ljeto.



21

Moro i krs



22

Plankton



23

Invazivne vrste

Latinski naziv: *Callinectes sapidus* Rathbun

Opis: Plavi rak je načelno morska vrsta, ali se najčešće nalazi u vodi. Oklop mu je maslina boje, a noge i klijesta su plave. Peta noga mu ima oblik vesla, ličesta nisu roburata, a oklop je relativno tanak i lagan, što su prilagodbe za izuzetno dobru plivačku sposobnost. Imao je masu od 0,45 – 0,9 kilograma.

Negativni učinci

Ekološki: Iznosi se zavlačenjem vrstama po remeti ravnotežu lokalne zajednice

Ekonomski: oštećuje mreže i ulovljenu ribu, prijetnja uspješnosti dječiji i kametika



24



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27



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2014 - 2020 Interreg V-A
Italy - Croatia CBC Programme
Call for proposal 2019 Strategic

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

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

Event follow up report
“Clean Adriatic Sea for future generations”

04/06/2022

Work Package:	2. Communication activities
Deliverable:	2.4 – Events, Training and Workshops 2.4.5 - Local events

Project Partner:	IRB Center for Marine Research (CIM)
Name of event:	“Clean Adriatic Sea for future generations”
Date:	04/06/2022
Venue:	Rovinj, Croatia
Short description of event:	<p>Event “Clean Adriatic Sea for future generations” was organized parallel with Eco action of cleaning the seabed of the Port of Rovinj. Events were held on Saturday, June 4, 2022 in the Port of Rovinj.</p> <p>Organizers wanted to attract the attention of citizens and tourists in order to draw their attention not only to this eco action, but also to the growing amounts of waste that are a burning problem.</p>
Speakers speeches brief summary and conclusion:	<p>Eco action, organized by the Club for Underwater Activities Rovinj, more than 140 participants took part in the eco action. Included are 70 divers in the sea, more than 20 participants for the reception of waste from divers, 3 large ships, 4 small ships, 1 raft for waste collection, employees of the Center for Marine Research Ruđer Bošković led the classification and categorization of waste that collected more out of 20 participants, 30 participants of the Red Cross participated in the cleaning of the coast, and employees of the Rovinj Public Fire Brigade and the Rovinj Port Authority who provided the waterway. The main action took place in the Port of Rovinj where divers collected waste, while at another location, Porton Biondi beach was cleaned by about thirty participants from the Rovinj Red Cross, the scout detachment "Tino Lorenzetto", Rovinj Children's City Council and High School "Zvane Črnja" from Rovinj.</p> <p>The eco action collected more than 5,500 different items weighing more than one ton, which was then sorted by the Center for Marine Research Rovinj. Most of the plastics were found, followed by glass and metal, but there was no shortage of rubber and textiles. Most of the plastic was plastic bottles, glasses on wrappers, while glass was dominated by glass bottles. You could also find children's toys, plastic tables and tables, building materials, fishing nets and ropes, and even electronics such as cell phones and drones. It should be emphasized that in this action, approximately the same weight was collected as in previous years, but it required twice as many items.</p>

	<p>The organization of the rich program called "Clean Adriatic Sea for future generations" that accompanied this eco-action was taken over by IRENA - Istrian Regional Energy Agency and IRB Center for Marine Research. The program was co-financed through the MARLESS project, Interreg Italy-Croatia, and it included numerous activities for children and adults. CASCADE project was distributing CASCADE promo material (bottles, usb sticks, coffee cups, pens, and may other items, photos in annex) at the stand on the main square and project was presented by the presenter of the event and by WP2 communication manager. Daniela Maric Pfannkuchen</p> <p>Various promotional films (also CASCADE short video material), materials from previous cleaning actions and an educational animated film for children were continuously shown on the big screen on the square. The children also enjoyed the eco show of the Birikina association. They enjoyed a fun story about a caring Waste Master and his faithful servant, to whom the perfection of life on Waste Hill is one day ruined by the news of waste separation. As part of the event, an exhibition of children's works by students of the Elementary School Kaštanjer from Pula, Elementary School Dr. Mate Demarin from Medulin, Regional School Banjole and Elementary School Matija Vlačić from Labin was exhibited. In addition to sculptures, posters and many other works of art, students also designed and recorded videos in which they showed how boredom and ignorance with the help and encouragement can change and contribute to reducing marine pollution. There were also stands where several IRENA and CIM projects were presented, where passers-by could get various information on marine litter and other environmental issues, and a Red Cross stand where citizens could measure pressure. At the stands, passers-by could contribute by filling out the project survey, which determines the level of knowledge and interest of citizens about marine litter and the support they are willing to show for the introduction of preventive measures against marine litter pollution, and participate in a short quiz project CAPonLITTER . All participants were awarded symbolic prizes. IRB presented has Italy-Croatia projects AdriaClim and CASCADE. The FARO Association from Rijeka showed how waste can be used and made into various jewellery. They used a part of the waste taken out of the sea and made very interesting specimens out of it, which at first glance no one would even notice was once waste. At the end of the program, participants had the opportunity to participate in a quiz on marine biodiversity, organized by FARO 11, where participants won special prizes. The program on Marshal Tito Square ended at 13:00, after which the gathered participants continued to socialize in front of the Rovinj Underwater Activities Club.</p>
Role of CASCADE partner in the event:	Intereg project MARLESS was the main organizer, we participated in the joint event
Type of audience/target groups involved:	Citizens, Tourists, Elder associations, Schools

Photos from event:

Annexes:

- Eg. photos from events (it is preferable to have few photos where CASCADE logo is visible (on presentation, poster, roll-up, promotional materials etc.))
- screenshots, Invitation, Agenda, Minutes, Participation list (if available), etc.

stand on main square 9-12.30







Stand on second location in front of diving club 9-16.00



