

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

D5.2.2

Definition of guidelines and template for the 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

PP in charge: PP8 – Delta 2000

Part 2

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	WP5
number	
Word Package title	Pilots for endangered species restoration and Integrated
	coastal/marine management system
Activity number	Activity 5.2
Activity title	Restoration actions supporting endangered species
Partner in charge	PP8 – Delta 2000
Partners involved	All PPS



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



Work Package:	Indicate if:
	5. Pilots for endangered species restoration and Integrated
	coastal/marine management system
Activity	Indicate if:
	5.2 - Restoration actions supporting endangered species
Deliverable:	Indicate if:
	5.2.2 - 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

Project Partner:	PP12 City of Nin				
Name of event:	REPORT ON RECOVERY TESTS AND "SOFT" ACTIONS TO SUPPORT ENDANGERED				
	SPECIES				
Date:	15 and 16 of May 2023				
Event type:	Two Workshops				
	Organized events				
Event venue:	In presence				
Short description of the event:	5.2.2 Overview of the state of endangered and rare species and marine habitat, proposed measures and soft actions to support endangered species				
	Based on earlier research in the area of the Nin Lagoon and the narrower target area around the mouth of the Miljašić jaruga, certain measures were implemented with the aim of creating conditions for the restoration of endangered species and supporting adaptation to various natural and anthropogenic effects in this area. The Nin Iagoon, including the area of the Miljašić jaruga, is characterized by numerous sandy beaches in the coastal zone, but also in the mediolittoral and infralittoral zones. The entire area is under the influence of erosion processes, triggered by the action of strong winds in the winter months and the inflow of water from the mainland. The target area in this project, along with other areas selected for monitoring as part of the CASCADE project, is the mouth of the Miljašić jaruga. As part of this location, with an emphasis on those rare and endangered species. Sea gastropods stand out here, with certain rare taxa that are rarely present in other locations on the Adriatic. Also, special attention was paid to the possibilities of restoration of the Pinna nobilis, with several living specimens in the wider area of the Nin Lagoon, which represents an exceptional rarity in the Adriatic and the entire Mediterranean in general, considering the occurrence of mass mortality of this species since 2017 in the Mediterranean and in 2019 on the				



	eastern coast of the Adriatic. The entire area of the Nin Lagoon is characterized by a high biodiversity index. The micro-site of the Miljašić jaruga, despite the fact that it was created by anthropogenic influence, i.e. by construction with the filling of large stones, is characterized by high biodiversity of mollusk species. Rare species of sea gastropods stand out in particular. Underwater research has also indicated the once numerous presence of the endangered species of the noble pen shell Pinna nobilis, whose population is now significantly reduced due to the occurrence of mass mortality. Nevertheless, of all surviving individuals in the area of Zadar County and beyond, the largest number of individuals was found during 2022 within the Nin Lagoon and near the Miljašić ravine itself. During the planned activities for the construction of future interventions at the mouth of the Miljašić ravine, the technical interventions described above are proposed, which should respect the biological characteristics of the currently present species, so as not to damage the biodiversity of this area.
Speakers speeches, brief summary and conclusion:	University of Zadar - prof.dr.sc. Ivan Župan - about 5.2.2. City of Nin - introduction
Role of CASCADE partner in the event:	Host
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	8 (16.05.2023)-5.2.2. 16 (15.05.2023)-5.2.2.	
Local, regional and national public authorities	15(16.05.2023)-5.2.2. 4 (15.05.2023)-5.2.2.	
Associations		
NGOs		
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.

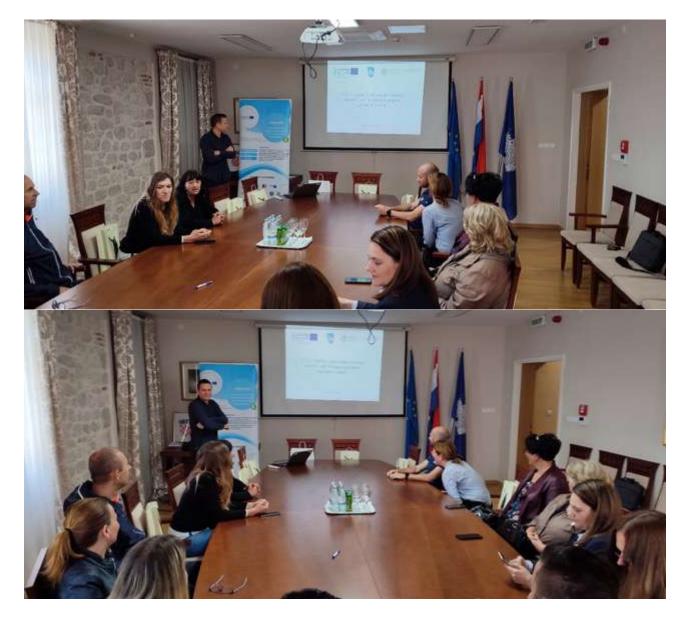
Explanation:

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.



Anexes 1 - photos























Anexes 2- Agenda



PROGRAM RADIONICA

Radionica 1.

IZVJEŠTAJ O PROVEDENIM TESTOVIMA OBNOVE I "SOFT" AKCIJAMA ZA POTPORU UGROŽENIM VRSTAMA

- 08:00 Registracija sudionika
- 09:00 Uvod predstavljanje izrađivača, predstavljanje projekta CASCADE, općenite informacije o isporučevini
- 09:10 Pregled stanja o ugroženim i rijetkim vrstama i morskog staništa
- 10:15 Pauza (15 min)
- 10:30 Prijedlog mjera i soft akcija za potporu ugroženim vrstama
- 12:00 Zaključak, rasprava i završna riječ

Radionica 2.

IMPLEMENTIRANI INTEGRIRANI SUSTAVI UPRAVLJANJA OBALNIM PODRUČJEM

- 12:30 Registracija sudionika
- 13:00 UVOD- predstavljanje izrađivača, predstavljanje projekta CASCADE, općenite informacije o integriranim sustavima upravljanja
- 13:15 PREGLED STANJA PROSTORA GRADA NINA I ODABIR NAJBOLJEG RIJEŠENJA- predstavljanje analize stanja, pregled identificiranih prednosti i nedostataka, predstavljanje rezultata analize opcija- SWOT
- 14:15 KRATKA PAUZA (15 min)
- 14:30 STRATEŠKI OKVIR I REZULTATI- predstavljanje dugoročnih ciljeva, prioriteta i mjera, pregled projekata u implementaciji, predstavljanje izvedbenog projekta rekonstrukcije ušća Miljašić Jaruge
- 16:00 Zaključak, rasprava i završna riječ

European Regional Development Fund



Anexes 4 - links and printscreen of website release



https://grad-nin.hr/odrzane-radionice-u-sklopu-projekta-cascade-interreg-ita-hrv/



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



Work Package:	5. Pilots for endangered species restoration and Integrated coastal/marine management system
Activity	5.2 – Restoration actions supporting endangered species
Deliverable:	5.2.2 - 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

Project Partner:	LP-Regione Puglia						
Name of event:	LET'S MAKE SPACE FOR SPECIES						
Date:	29 November 2022						
Event type:	Organized event. Webinar						
Event venue:	Online						
Short description of the event:	The first event of the webinar cycle on 29 November 2022 was organized to develop species recovery skills and capacities with special reference to the pilot area of the CASCADE Project including Torre Guaceto, Canale Reale Punta della Contessa and Melendugno.						
Speakers speeches, brief summary and conclusion:	The Project Manager, dr. Valentina de Pinto opened the works with a presentation in which objectives, activities, pilot areas, Croatian and Italian partners are described in details. Successively, prof. Basset (PP9-Unisalento) talks about the complexity of ecological systems in biodiversity conservation and recovery, with particular regard to Torre Guaceto area. Sea turtle conservation and recovery activities, biological and veterinary aspects are discussed by Dr. Simona Soloperto, Veterinarian of the "Consorzio di Torre Guaceto"						
Role of CASCADE partner in the event:	The LP organized the event and the Project Manager, dr. Valentina de Pinto opened the works talking about the CASCADE Project. Any further detail is <u>http://cascade.commediasrl.it/it/eventi/project-whorkshop-lets-make-space-</u> <u>for-species-the-road-to-recovery</u> . The event is online at the link <u>https://www.youtube.com/watch?v=VRlevSfYpZc&t=7s</u>						
Type of audience/target groups involved:	Professionals such as architects, geologists, engineering, biologists, etc.						

Target groups (AF Section F)	Target groups reached in this event	Details of involved target
General public	42	Professionals such as architects, geologists, engineering,



	biologists, etc.
Local, regional and national public authorities	
Associations	
NGOs	
Education and training organizations as well as universities and research institutes	

Annexes:

- Screenshots from event,
- Links to websites, media relations and press releases issued,
- Poster and Agenda,
- Participation list.



Screnshots





Media relations pre-event

https://europuglia.regione.puglia.it/web/europuglia/-/cascade-al-via-il-29-novembre-un-ciclo-di-webinarsu-salvaguardia-degli-ecosistemi-delle-aree-protette



Nell'ambito del Progetto, il cicio di Werkshop è un importante spazio di condivisione di casi di studio e di informazioni essenziali per supportare azioni efficaci per affrontare a livello transfrontaliero la vulnerabilità ambientale, la frammentazione e la salvaguardia degli ecosistemi.

LA PARTECIPAZIONE È GRATUITA E PERMETTE DI CONSEGUIRE, PER OGNI WEBINAR, 2 CFP PER GLI ARCHITETTI, RICHIESTI CREDITI APC PER GEDLOGI.

https://www.regione.puglia.it/web/ambiente/-/cascade-project-whorkshop-let-s-make-space-for-species-the-road-to-recovery-?redirect=%2Fweb%2Fambiente



LA PARTECIPAZIONE È GRATUITA E PERMETTE DI CONSEGUIRE, PER OGNI WEBINAR, 2 CFP PER GLI ARCHITETTI. RICHIESTI CREDITI APC PER GEOLOGI.

proteggere le specie in pericolo e supportare la gestione integrata dei territori. Nell'ambito del Progetto, il ciclo di Workshop è un importante spazio di condivisione di casi di studio e di informazioni essenziali per supportare azioni efficaci per affrontare a livello transfrontaliero la vulnerabilità ambientale, la

DROGRAMMA

frammentazione e la salvaguardia degli ecosistemi.



https://www.facebook.com/photo/?fbid=581698810622066&set=a.521372666654681



https://www.istitutodelta.it/cascade-projectwhorkshop/?fbclid=IwAR10xMtddvWunSBePfuoIS63zKQcfygXVXgHo2qW5WCF1Rmr-4EhT4PeoGY

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WORKSHOP CON CREDITI FORMATIVI DELL'ORDINE DEGLI ARCHITETTI	organizzazio due Stati che	ni ambientaliste si affacciano s	e – provenienti da ull'Adriatico. Nel unta ad aumenta	M M	Novembre 29, 2022 aster di I e Il Livello in Cu lition "VALUE PROJECT"	tural Managen	ent – Special
Al via, oggi 29 novembre, il ciclo di webinar del Progetto CASCADE. I primi due incontri intitolati "LET'S MAKE SPACE FOR SPECIES" sono dedicati allo sviluppo delle competenze	vulnerabilità marini in Itali	a e Croazia con	o sulla i interni, costieri (l'obiettivo finale (olo e supportare	e C di Le	Germalo 19, 2021	oitat, su Storie	Naturali



https://www.regione.puglia.it/web/ambiente/-/i-webinar-di-cascade-un-network-per-il-

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	La presenza di oltre 550 partecipanti al ciclo di webinar del Progetto CASCADE è la conferma della straordinaria attenzione per il territorio, della rilevanza della gestione ecosistemica integrata e della pianificazione per preservare le aree protette. Con ventuno relatori che hanno portato l'esperienza delle Università di Bari, Salento, Bologna e Venezia, con i rappresentanti del partner e degli Enti coinvolti da CASCADE, i sette appuntamenti hanno proposto una panoramica completa degli aspetti amministrativi, delle applicazioni tecnologiche e dei percorsi tecnico	Documenti Doster Ascolta
	scientifici necessari per assicurare il futuro delle aree protette e del pianeta. Nelle diverse date, sono stati proposti approfondimenti sui temi della <i>soft restoration</i> , delle capacità di recupero delle specie, sulle attività tecnico-scientifiche svolte nelle aree marino-costiere delle aree di progetto rappresentate dalla laguna Veneta, dall'area di Goro, dall'AMP di Torre Guaceto e d'area marina di Salina Punta della Contessa.	
	Con CASCADE, è stato proposto uno spazio dedicato a tutti coloro che sono coinvolti nella pian ficazione e gestione delle aree protétte per analizzare e definire metodologie e strumenti necessari a garantire la gestione dei sistemi marini costieri.	
	Con CASCADE è stato promosso un network interdisciplinare per preservare il mare e l'ambiente in cui viviamo.	
tps://eu	Per ogni informazione sul Progetto CASCADE e per il download dei materiali è possibile collegarsi al link cascade.commediasrLit - iropuglia.regione.puglia.it/web/europuglia/-/i-webinar-di-ca REGONERUCIA - FOLTICHE EUROPEE E COOPERAZIONE INTERNAZIONALE - EUROPUGLIA GEORGE PUGLIA - FOLTICHE EUROPEE E COOPERAZIONE INTERNAZIONALE - EUROPUGLIA GEORGE PUGLIA - FOLTICHE EUROPEE E COOPERAZIONE INTERNAZIONALE - EUROPUGLIA	scade-un-network-per-il-m
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Poster and Agenda



REGIONE PUGLIA

È lieta di invitarti all'evento:

PRIMO WORKSHOP ONLINE CON CFP DELL'ORDINE DEGLI ARCHITETTI, RICHIESTI CREDITI APC PER GEOLOGI.



29 NOVEMBRE 2022 DALLE 15 ALLE 17

DOVE

PARTECIPA https://bit.ly/3THAnms

Sviluppo delle competenze e delle capacità di recupero delle specie con particolare riferimento all'area pilota del Progetto CASCADE comprendente Torre Guaceto, Canale Reale Punta della Contessa e Melendugno.

La partecipazione è gratuita e permette di conseguire, per ogni webinar, 2 CFP per gli architetti. Richiesti crediti apc per geologi.

REGISTRATI: https://bit.ly/3ApRbYp

European Regional Development Fund











CASCADE

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

LET'S MAKE SPACE FOR SPECIES 29 NOVEMBRE 2022 DALLE 15 ALLE 17





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

"5.2 Restoration actions" 2nd Workshop

13.10.2022



Work Package:	5. Communication activities
Deliverable:	Activity 5.2. – Restoration actions

Project Partner:	Dubrovnik Neretva County Institute of Oceanography and fisheries
Name of event:	Workshop 2 – Measures for the further degradation prevention on Neretva pilot area
Date:	13.10.2022
Venue:	Agro Etno park Žabac - Badžula
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 Park Žabac, in Neretva pilot area with the aim of local community participation in the project deliverables.
Speakers speeches brief summary and conclusion:	 During this event the audience was presented with CASCADE project details, conducted project activities regarding the research in Neretva area as well Neretva region's natural values. After the introductory word of the project activities by the Dubrovnik Neretva County representative Vicko Grkeš, representatives of the Institute of Oceanography and Fisheries gave presentations entitled: Research results within the P4 Neretva mouth pilot area (hydrophilic toxins) (Romana Roje Busatto, PhD), Research results within the P4 Neretva mouth pilot area (temperature, salinity and lipophilic toxins (Ivana Ujević, PhD) The Public institution for management of protected natural areas of Dubrovnik-Neretva county representative, Margarita Polzer presented the experiences of the previous stakeholder workshop held in Ploče as well as the measures for mitigation of harmful impacts on strictly protected species and natural habitats of the Neretva area that were generated and defined through participatory work by all participants. Followed by the Neretva area nature values film screening that explained, pilot area's Natura2000 key habitats and species as an introduction into the stakeholder workshop.
	The local stakeholder workshop was based on the work of participants divided into two groups, while each group brought together participants with different professional backgrounds. Through the team work and discussion, every group worked with the aim of improving a set of measures that are necessary for preventing further degradation of the Neretva pilot area defined in the previous workshop, as well to emphasize the



	environmental aspects that were not taken into account in the last workshop and develop a strategy so they could also be included in the measures.
	The measures derived as a conclusion of a previous workshop were supplemented and added and are creating the 6 output measures:
	1. Encouraging the improvement of cross-border cooperation with Bosnia and Herzegovina, regarding waste management and Neretva river basin water status as well as joint scientific research and work when defining optimal chemical parameters related to good status of waters and autochthonous species.
	2. Advocating the importance of including geological research of the rocks and sediments around surface and ground water bodies with the aim of defining the impact on quality regarding the origin of heavy metals in water.
	3.Advocating changes in the legislative framework and encouraging the continuation of the Neretva area nature park declaration in joint action with Bosnia and Herzegovina with the aim of protecting the entire ecosystem of the Neretva area
	4. Raising farmer's awareness of environmentally friendly agriculture and the importance of farmers' joint action in terms of environmental pollution and climate changes consequences.
	5. Education and raising awareness of the local population about the importance of nature protection
	6. Advocating the development of a joint authority's system for water and coastal pollution protection and notification system for deviations outside of optimal range in Croatia and Bosnia and Herzegovina.
Role of	Organisation and presentation of project activities in the P4 (mouth of the river
CASCADE partner in	Neretva)
the event:	
Type of	Stakeholders, citizens, students
audience/tar	
get groups involved:	

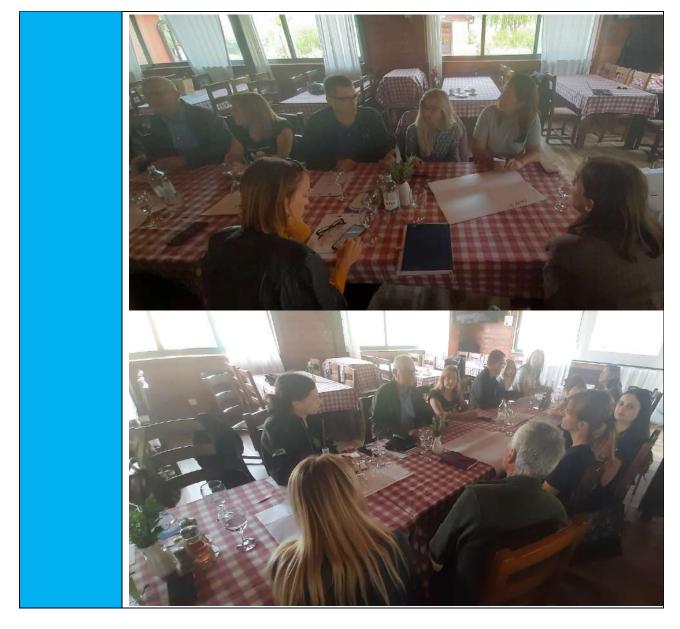




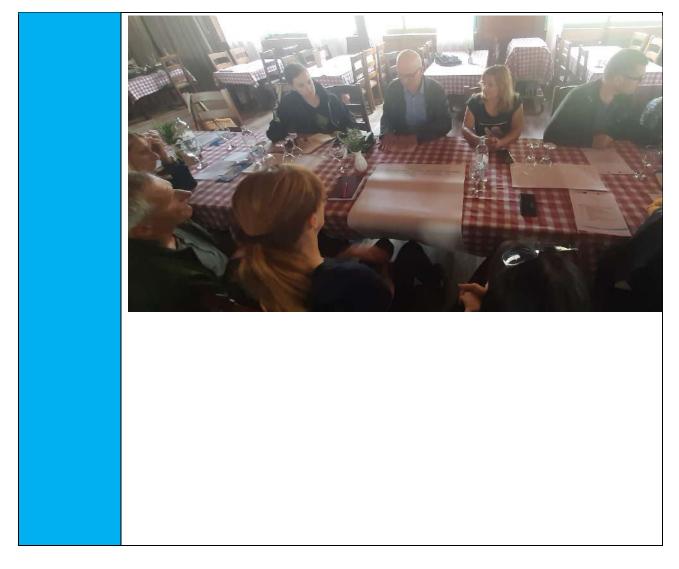




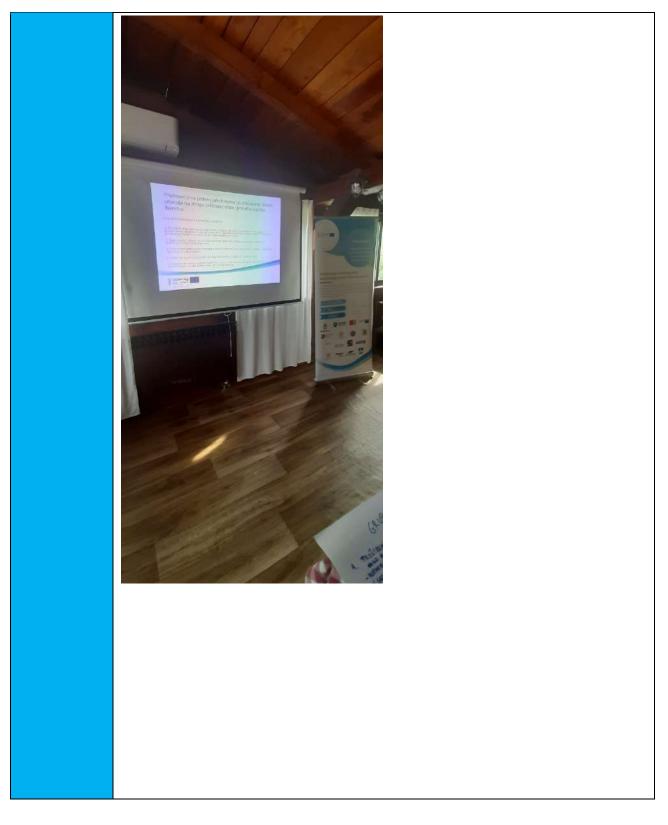
















DNEVNI RED Druga radionica s dionicima Interreg Italy – Croatia

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