

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 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 | 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

"5.2 Restoration actions" Workshop

02.06.2022



| 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 – Measures for the further degradation prevention on Neretva pilot area | | |
| Date: | 02.06.2022 | | |
| Venue: | Poduzetnički inkubator Ploče | | |
| 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 City of Ploče, 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 presentation of the project activities by the Dubrovnik Neretva County representative Vicko Grkeš, representatives of the Institute of Oceanography and Fisheries gave presentations entitled: Metals in the Marine Environment (Jelena Lušić, PhD), Marine Biotoxins (Antonija Bulić, PhD), | | |
| | Followed by the Neretva area nature values film screening that explained pilot area's Natura2000 key habitats and species and presentation of potential measures for mitigation of harmful impacts on strictly protected species and natural habitats of the Neretva by Public institution for management of protected natural areas of Dubrovnik-Neretva county representative Margarita Polzer. | | |
| | Local stakeholder workshop was based on the work of participants divided into three groups, while each group brought together participants with different professional backgrounds. Through the team work and discussion, every group formed a set of 5 different measures that are necessary for preventing further degradation of Neretva pilot area. The workshop output is the following 5 measures derived from the proposed: 1. Encouraging the improvement of cross-border cooperation with Bosnia and Herzegovina, regarding waste management and Neretva river basin water statu | | |



| | as well as defining optimal chemical parameters related to good status of waters and autochthonous species. 2.Advocating changes in the legislative framework and encouraging the procedure continuation of Neretva area nature park declaration. 3. Raising farmer's awareness on environmentally friendly agriculture and the importance of farmer's joint action 4. Education and raising awareness of the local population about the importance of nature protection 5. Advocating the development of a joint authority's system for water pollution protection and notification system for deviations outside of optimal range. |
|--|--|
| Role of CASCADE partner in the event: | Organisation and presentation of project activities in the P4 (mouth of the river Neretva) |
| Type of audience/target groups involved: | Stakeholders, citizens, students |



Photos from event:



European Regional Development Fund























• Invitation, Agenda, Participation list, Media links

Explanation:

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

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





DNEVNI RED

Prva radionica s dionicima

Interreg Italy – Croatia CASCADE

Poduzetnički inkubator Ploče

Crna rika 7A

2. lipnja 2022.

| Vrijeme | Aktivnost |
|---------|---|
| 10:00 | Registracija sudionika |
| 10:30 | Uvodno predstavljanje projekta CASCADE |
| | Vicko Grkeš, Dubrovačko-neretvanska županija |
| 11:00 | Predstavljanje rezultata provedenih istraživanja |
| | Antonija Bulić, Institut za oceanografiju i ribarstvo |
| 11:30 | Prikazivanje filma o prirodnim vrijednostima Delte Neretve |
| 11:45 | 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 |
| 12:15 | Pauza |
| 13:00 | Rad u grupama |
| | Svi sudionici |
| 14:15 | Pauza |
| 14:30 | Prezentiranje rada u grupama i odabir mjera i akcija |
| | Svi sudionici |
| 15:00 | Zaključci i sljedeći koraci |





DNEVNI RED

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Interreg Italy – Croatia CASCADE

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| 11:30 | Prikazivanje filma o prirodnim vrijednostima Delte Neretve | | |
| 11:45 | 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 | | |
| 12:15 | Pauza | | |
| 13:00 | Rad u grupama Svi sudionici | | |
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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 | Act 5.3./5.2 Integrated coastal/marine management systems |
| Deliverable: | D5.2.2. and D.5.3.2 [PP in charge: Delta2000; delivery: M36] 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. |

| Project Partner: | RBi Rudjer Boskovic Institute | | |
|--|---|--|--|
| Name of event: | Education and training organizations as well as universities and research institutes | | |
| Date: | 10. 05. 2023 | | |
| Event type: | 2 Lectures and aquarium tour- External event | | |
| Event venue: | In presence – Center for marine research, Rudjer Boskovic institute Rovigno | | |
| Short description of the event: | 49 participants on the project Erasmus So is(s)t Europe is a project of Mate Balota's agricultural school in cooperation with four other agricultural schools from Austria, the Czech Republic, Italy and Germany. The topic of the project is local food - its production, processing and marketing, as well as regional dishes that ended up at the table of farmers during and after work in the field. In Rovinj Center for Marine research students learned about local fisheries, fishing and changing biodiversity in the are and how the new and invasive species of fish and blu crad can be added to the table and consumed as new foods. Student visited Center for marine research Rudjer Bosković Institute on May 10 2023. | | |
| Speakers speeches, brief summary and conclusion: | The CASCADE team gave them 2 lectures and guided aquarium tour. Grižančic gave them a lecture on center history and interreg projects CASC. Victor Stinga Perusco gave them a speech on fish and how fishing eff changed in time, and about the new fish species introduced to the Adriatic Maria Fornažar, Ivan Vlašiček explain them the sampling activities and so them samples of microplastic on microscope and fito and zooplankton which the main food for higher marine organisms in Aquarium of the Center for Ma Research, RBI for integrated costal management and monitoring. | | |
| 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. Victor Stinga Perusco gave a lecture on fishing and invasive species. During the aquarium tour Maria Fornažar explained about the species inhabiting northern Adriatic with the emphasis to new invasive species, habitat loss ecc. | | |



| Type of | The event involved teachers and students. |
|------------------|---|
| audience/target | |
| groups involved: | |

| 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 | 49 teachers and students from high school participated to the event |
| | | |

- 1_Photos of the 2 lecture and aquarium tour
- 2_list of the partecipants



Annex 1 Photos



























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



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| Project Partner: | RBi Rudjer Boskovic Institute | | |
|--|---|--|--|
| Name of event: | Education and training organizations as well as universities and research institutes | | |
| Date: | 05. 06. 2023 | | |
| Event type: | 1 Lectures and aquarium tour- External event | | |
| Event venue: | In presence – Center for marine research, Rudjer Boskovic institute Rovigno | | |
| Short description of the event: | 15 participants on the school Matea Blažina wisited Center for Marine Research. In Rovinj Center for Marine research students learned about local fisheries, fishing and changing biodiversity in the are and how the new and invasive species of fish and blu crad can be added to the table and consumed as new foods. Student visited Center for marine research Rudjer Bosković Institute on June 5 2023. | | |
| Speakers speeches, brief summary and conclusion: | The CASCADE team gave them 1 lectures and guided aquarium tour. Ivan Podolšak gave them a lecture on center history and interreg projects CASCADE. Victor Stinga Perusco and MariaFornažar gave them a speech on fish and how fishing effords changed in time, and about the new fish species introduced to the Adriatic SEA. They explained them the sampling activities and show them samples of microplastic on microscope and fito and zooplankton which are the main food for higher marine organisms in Aquarium of the Center for Marine Research, RBI for integrated costal management and monitoring. | | |
| 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. Victor Stinga Perusco gave a lecture on fishing and invasive species. During the aquarium tour Maria Fornažar explained about the species inhabiting northern Adriatic with the emphasis to new invasive species, habitat loss ecc. | | |
| Type of audience/target groups involved: | The event involved teachers and students. | | |



| Target groups reached in this event | Details of involved target |
|---|---|
| 1 | 15 teachers and students from high school participated to the event |
| | reached in this event |

- 1_Photos of the 1 lecture and aquarium tour
- 2_list of the partecipants



Annex 1 Photos

















List of the partecipants:



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 WORKSHOP 5.2 - Restoration actions supporting endangered species



| 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: | University of Molise (PP13) | |
|--|---|--|
| Name of event: | Azione di recupero degli ecosistemi costieri a supporto delle specie minacciate - Pilot 7 Costa Molisana | |
| Date: | 07/10/2022 - 10:00 - 11:30 | |
| Event type: | workshop | |
| Event venue: | Costa Molisana - Campomarino Lido - e Petacciato | |
| Short description of the event: | Costatazione in campo di azioni di conservazione implementate sulle dune costiere – raccolta semi, banca del germoplasma, mesa a dimora, disseminazione di specie native per il recupero delle dune nel contesto del progetto Progetto <u>CASCADE</u> (INTERREG V-A Italy), UNIMOL (ENVIXLAB), organizza un workshop sulla tematica: Azioni di recupero degli ecosistemi costieri a supporto delle specie minacciate. Le attività si è svolto il giorno venerdì 7 ottobre 2022, ore 11:00 ed ha visto la partecipazione di diversi esperti. Durante l'incontro e visita in campo – Training sulle attività di monitoraggio della biodiversità in questi ecosistemi su flora, fauna e vegetazione. | |
| Speakers speeches, brief summary and conclusion: | Maria Laura Carranza, Micaela Rasino, rappresentanti del Arsarp Molise (Agenzia Regionale per lo Sviluppo Agricolo, Rurale e della Pesca) | |
| Role of CASCADE partner in the event: | organizer | |
| Type of audience/target | Studenti di diversi livelli e pubblico in generale | |
| groups involved: | Totale 20 partecipanti | |

| (AF Section F) | Target groups reached in this event | Details of involved target |
|----------------|---|----------------------------|
|----------------|---|----------------------------|



| General public | | 1 |
|--|---|-----------------------|
| Local, regional and national public authorities | 1 | ARSARP |
| Associations | 1 | Ambiente basso Molise |
| NGOs | | |
| Education and training organizations as well as universities and research institutes | Studenti di grado, di laurea magistrale e di dottorato | Universita del Molise |

- 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,
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Annexes:

Invitation, Agenda





Azione di recupero degli ecosistemi costieri a supporto delle specie minacciate

WORKSHOP

Venerdì 7 ottobre 2022, ore 10:00

Costa molisana – inizio delle attività a marina di Petacciato e conclusione a foce Biferno - Campomarino

10:00 Raduno presso Marina di Petacciato (10:00) Campomarino lido (11:00)

Attività programmate "Azione di recupero degli ecosistemi costieri a supporto delle specie minacciate"

Durante l'incontro svolto alcune aree di recupero sulla Foce del Biferno si svolgono diverse attività:

- Monitoraggio degli habitat di direttiva e la fauna ornitica presente negli stagni recuperati
- Attività di citizen science: raccolta, ai fini scientifici, di dati sulle specie animali e vegetali, ed inserimento all'interno del database dedicato Wild coast CASCADE.

Le attività avrà la durata di circa 1 ora e mezza.

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





Partner associati:

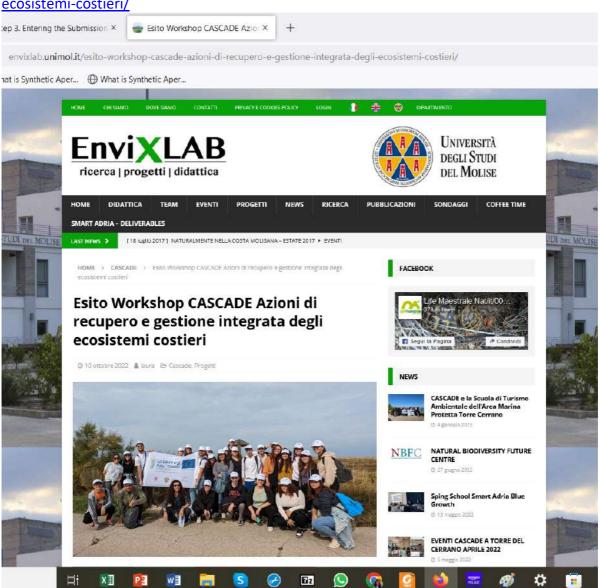








Link



European Regional Development Fund



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 WORKSHOP 5.2 - Restoration actions supporting endangered species



| 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: | University of Molise (PP13) | |
|--|---|--|
| Name of event: | Azione di recupero degli ecosistemi costieri a supporto delle specie minacciate - Pilot 7 Costa Molisana | |
| Date: | 07/10/2022 - 14:00 - 15:00 | |
| Event type: | workshop | |
| Event venue: | Costa Molisana - Campomarino Lido - e Petacciato | |
| Short description of the event: | Costatazione in campo di azioni di conservazione implementate sulle dune costiere – raccolta semi, banca del germoplasma, mesa a dimora, disseminazione di specie native per il recupero delle dune nel contesto del progetto Progetto <u>CASCADE</u> (INTERREG V-A Italy), UNIMOL (ENVIXLAB), organizza un workshop sulla tematica: Azioni di recupero degli ecosistemi costieri a supporto delle specie minacciate. Le attività si è svolto il giorno venerdì 7 ottobre 2022, ore 11:00 ed ha visto la partecipazione di diversi esperti. Durante l'incontro e visita in campo – Training sulle attività di monitoraggio della biodiversità in questi ecosistemi su flora, fauna e vegetazione. | |
| Speakers speeches, brief summary and conclusion: | Maria Laura Carranza, Micaela Rasino, rappresentanti del Arsarp Molise (Agenzia Regionale per lo Sviluppo Agricolo, Rurale e della Pesca) | |
| Role of CASCADE partner in the event: | organizer | |
| Type of audience/target | Studenti di diversi livelli e pubblico in generale Totale 20 partecipanti | |
| groups involved: | | |

| Target groups (AF Section F) | Target groups reached in this event | Details of involved target |
|---------------------------------|---|----------------------------|
| General public | | 1 |



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| Associations | 1 | Ambiente basso Molise |
| NGOs | | |
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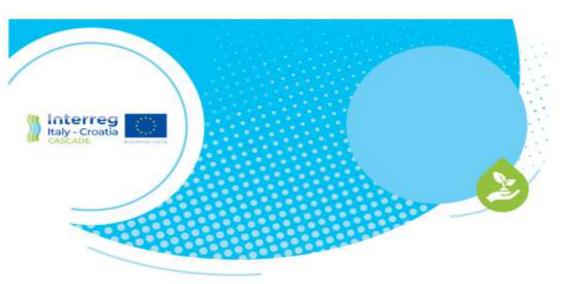
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Annexes:

Invitation, Agenda





Azione di recupero degli ecosistemi costieri a supporto delle specie minacciate

WORKSHOP

Venerdì 7 ottobre 2022, ore 14:00

Costa molisana -foce Biferno - Campomarino

14:00 Campomarino lido

Attività programmate "Azione di recupero degli ecosistemi costieri a supporto delle specie minacciate"

Durante l'incontro svolto alcune aree di recupero sulla Foce del Biferno si svolgono diverse attività:

- Spiegazione in dettaglio delle motivazioni e modalità di implementazione di azioni di recupero messe in atto sulle aree umide della foce del Biferno
- Training sulle attività di monitoraggio della biodiversità in questi ecosistemi su flora, fauna e vegetazione.

Le attività avrà la durata di circa 1 ora.

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





Partner associati:







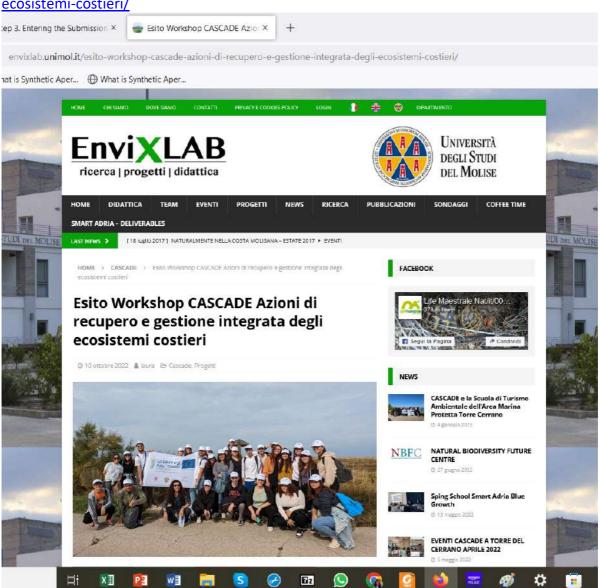








Link



European Regional Development Fund