



Italy – Croatia

ITHR0200390

ACTION

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A - Project identification

A.1 Project identification

Project id (automatically created)	ITHR0200390
Name of the lead partner organisation	Comune di Ravenna
Name of the lead partner organisation in English	Municipality of Ravenna
Project title	Increasing coastal ecosystem resilience to climate change
Project acronym	ACTION
Programme priority	Green and resilient shared environment
Specific objective	2.1: Promoting climate change adaptation and disaster risk prevention, resilience, taking into account eco-system based approaches
Project duration in months	30

A.2 Project summary

Please give a short overview of the project and describe:

- the common challenge of the programme area you are jointly tackling in your project;
- the overall objective of the project and the expected change your project will make to the current situation;
- the main outputs you will produce and those who will benefit from them;
- the approach you plan to take and why a cross-border/transnational/inter-regional approach is needed;
- what is new/original about the project.

ACTION develops joint cross-border actions to promote resilient behaviours with a spill over effect on the territory and relevant economic sectors, in parallel with actions to increase awareness of the populations living in the programme coastal areas. These areas are in fact particularly affected by climate change effects such as sea level rise and saline intrusion, with obvious repercussions specifically on the important natural and cultural heritage present in the project area: natural parks, Natura 2000 sites, and cultural attractors in the 4 project pilot areas. ACTION will analyse the risks on the pilot areas in terms of current ecosystem services useful for the minimisation of the effects of sea level rise and saltwater intrusion, as well as the means to increase them and identify common and shared actions based on the nature-based solutions principle.

Thus, the guiding principle for increasing resilience will be the ecosystem-based management (EBM). EBM aims at maintaining the ecosystem structure and functions while preserving and/or increasing the services produced over time. The project follows a precise logical and consequential structure of WPs through which, in a first phase, the 4 pilot areas are analysed and characterised to identify the main threats induced by climate change in a medium- and long-term time frame, secondly the ecosystem services that can increase the resilience of the pilot areas are identified, and then the most effective methods are developed, in line with the guiding principle outlined, to implement the 4 pilot actions on the territories. The experience of the project is finally systematised by sharing the identified solutions among the partnership and by developing a Joint Action Plan for the transferability of the shared methods and solutions to other territories.

The flow of data and results feeds in parallel and progressively into the extensive awareness campaign implemented in ACTION. The expected behavioural change requires a modification of our patterns in terms of how we live and produce goods and services and protect the flora and fauna that give us food and life. In order to achieve this level of awareness amongst the different project target groups, a two-phase pathway is implemented consisting of a first phase of representation of the situation in the pilot areas, and of a second propositional one, through the identification of the benefits that ecosystem services produce. The latter phase involves all project target groups and aims at developing proactive adaptation behaviours for the increased resilience of natural and cultural heritage.

The main project outputs are: 1) Ecosystem and socio-economic analysis of the 4 pilot areas (2 IT and 2 HR); 2) Analysis of the risks and threats that climate change may cause and their assessment; 3) Representation of scenarios of climate change effects through multimedia tools, videos and dioramas; 4) Identification of ecosystem services and possible benefits to increase resilience; 5) Cross-border awareness campaign targeting key stakeholders: general public, SMEs, policy makers from local and regional authorities; 6) Implementation of an exchange experience for students and teachers between the two countries aimed at developing adaptation projects; 7) Involvement of stakeholders from relevant economic sectors in the project areas to raise their awareness and promote adaptation actions: 12 Public events across borders jointly organized; 1 capacity building activity and several local engagement initiatives; 8) Implementation of 4 pilot actions; 9) Sharing of solutions identified in the 4 project areas and definition of a Joint Strategy and action plan; 10) Transfer of the Joint Strategy to the programme area. Through cross-border cooperation, the two countries can benefit from the co-sharing of resources and expertise, leading to more efficient and effective results.

The main elements of innovation are: 1) the methodological approach, based on coordinated knowledge building and sharing among scientific actors, local authorities and Park management bodies involved in the development of "Nature based solutions" approaches, unprecedented in the cooperation area; 2) the development of a large-scale cross-border awareness campaign targeting key stakeholders as a tool to increase the resilience of cultural and environmental heritage and related economic activities.

A.4 Project outputs and result overview

Programme Output Indicator	Aggregated value per Programme output indicator	Measurement Unit	Output	Output Title	Output target value	Programme result indicator	Baseline	Result indicator target value	Measurement unit
Public events across borders jointly organised	2,00	events	Output 1.1	Awareness raising events	1,00				
			Output 2.2	awareness raising event	1,00				
Participations in joint training schemes	15,00	participations	Output 2.1	Training activities	15,00				
Pilot actions developed jointly and implemented in projects	4,00	pilot actions	Output 3.1	Pilot actions	4,00				
Strategies and action plans jointly developed	1,00	strategy /action plan	Output 4.1	Joint Strategy for coastal resilience	1,00				

Programme Output Indicator	Aggregated value per Programme output indicator	Measurement Unit	Output	Output Title	Output target value	Programme result indicator	Base line	Result indicator target value	Measurement unit
						Completion of joint training schemes	0,00	15,00	participants
						Joint strategies and action plans taken up by organisations	0,00	1,00	joint strategy /action plan

B - Project partners

Partners overview

Number	Status	Name of the organisation in english	Country	Organisation abbreviation	Partner role	Associated organisations	Partner total eligible budget
1	Active	Municipality of Ravenna	Italia (IT)	MR	LP		490.885,00
2	Active	Managing Body for Parks and Biodiversity - Po Delta	Italia (IT)	PDP	PP		259.440,00
3	Active	Alma Mater Studiorum - University of Bologna	Italia (IT)	UNIBO	PP		238.938,00
4	Active	Delta Institute Applied Ecology	Italia (IT)	IDECO	PP		299.530,00
5	Active	Public institution Vransko Lake Nature Park	Hrvatska (HR)	NP Vransko Lake	PP		297.441,00
6	Active	Ruđer Bošković Institute	Hrvatska (HR)	RBI	PP		268.800,00
7	Active	Regional Natural Park "Coastal Dunes from Torre Canne to Torre San Leonardo"	Italia (IT)	PDC	PP		247.700,00
8	Active	City of Ploce	Hrvatska (HR)	PLOCE	PP		300.000,00

B.1 Lead partner	
Partner number	1
Partner role	LP
Name of the organisation in original language	Comune di Ravenna
Name of the organisation in english	Municipality of Ravenna
Organisation abbreviation	MR
Department / unit / division	Environment and protection of territory/EU policies
Partner main address	
Country	Italia (IT)
NUTS 2	Emilia-Romagna (ITH5)
NUTS 3	Ravenna (ITH57)
Street, House number, Postal code, City	Piazza del Popolo 1 48121 Ravenna
Homepage	www.comune.ravenna.it
Address of department / unit / division (if applicable)	
Country	Italia (IT)
NUTS 2	Emilia-Romagna (ITH5)
NUTS 3	Ravenna (ITH57)
Street, House number, Postal code, City	Via Berlinguer 30 48121 Ravenna
Legal and financial information	
Type of partner	Local public authority
Subtype of partner	
Legal status	Public
Sector of activity at NACE group level	0.84.11
VAT number (if applicable)	00354730392
Is your organisation entitled to recover VAT based on national legislation for the activities implemented in the project?	No

Legal and financial information	
Tax number	00354730392
PEC address	comune.ravenna@legalmail.it
PIC (from EC Participant Register)	950561589
Contact	
Legal representative	Mr. Michele de Pascale
Contact person	Ms. Giulia Cillani
Email	giuliacillani@comune.ravenna.it
Telephone no.	+39 0544 482659
Motivation	
Which of the organisation's thematic competences and experiences are relevant for the project?	
<p>Ravenna is a middle-sized city in Northern Italy. The Municipality includes: the City, 11 km away from the Adriatic Coast; the coast including the industrial and Port Area (Ravenna has one of the most important Mediterranean ports); the beaches; the inner rural area.</p> <p>The MR is in charge of the urban planning of its territory, the environmental preservation and restoration of the areas owned, the organization and management of the public services and the health and wellness of its citizens.</p> <p>The municipality owns 37 km of coastline and 4.000 ha of protected natural areas along the Adriatic coast with the presence of pine woods intertwined to large wetlands flooded with fresh water. MR is in charge of their maintenance and management both for conservation and fruition means. The area is part of the Regional Park Delta del Po that counts, in its southern branch, 5 Natura 2000 sites (IT4070001/IT4070002/IT4070003/IT4070004/IT4070005).</p> <p>The environment department of the Municipality daily deals with the enforcement of natural areas management and it will be responsible of the implementation of the project. Other services will be involved to support the technical activities: the urban planning service, the infrastructure service, the geographical information service, the civil protection, the CEAS, centre for environmental education, tourism and the European policies department. The geological service specifically addresses the effects of the climate change on the coastal environment to mitigate their effects on the population and the surrounding environment: sea level rise, coastal erosion and subsidence, saline water intrusion are the key problems threatening the areas and the service carries out several important coastal defences actions every year.</p> <p>The MR is fully committed to reach the EU climate adaptation and mitigation targets and in March 2012 signed the Covenant of major, update in 2020 with the municipal climate adaptation plan. The Municipality is responsible for the medium-long term urban planning in coastal areas.</p>	
What is the role (contribution and main activities) of your organisation in the project?	
<p>The MR is a local public authority and will contribute on a double level:</p> <ul style="list-style-type: none"> - knowledge provider in the field of environment management, strategic planning and environmental education; 	

Motivation

- “areas provider” where to install and test the pilot case that could enforce the joint strategies and management tools developed by the project.

The MR will be Lead Partner of the project, enforcing a sound management structure to guarantee the execution of the activities in line with the workplan designed.

Other than leading the whole project, the MR will perform a leading role in the WP3 – increasing resilience (pilot actions) to develop an hydraulic model to restore the water cycle of the Delta del Po area and activate a climate center in which to engage stakeholders and citizens on a common knowledge building path to support adaptation policies. Particular focus will be dedicate to the engagement of students and young people, and on stakeholder that impact on the water management of the selected areas, collaborating with the partnership.

The MR will dedicate to the project internal expertise:

- 1 project manager, senior officer, manager of the environmental department, in charge of the strategic lead of the project;
- 1 financial manager, senior officer, manager of the EU policies department;
- 1 technical expert, officer in the environmental department, assistant to the project manager on the project activities;
- 1 project assistant, officer in culture/EU policies department, taking care of the administrative requirements and the compliance of Programme rules.

If applicable, describe the organisation's experience in participating in and/or managing EU co-financed projects or other international projects.

The municipality has a solid experience in participating as partner and managing as lead partner EU co-financed project. The MR has been involved, within the period 2014/2021, in 42 European co-financed project, 7 of which are still in progress.

The projects are mostly financed by the programmes Interreg, UIA and Erasmus+.

The management structure of the MR for EU/int. projects designs the engagement of each relevant sector (e.g. culture/tourism department) in the projects tackling the issues of their competence. The European policies department supports the relevant sector supervising the implementation of the projects to be respectful of the programmes rules and compliant with EU/int. objectives, and taking care of the administrative duties.

The European department supports all the others on the drafting of the projects and proposals to be submitted within the relevant call, in an overall strategical framework.

The municipality counts on 1.200 employees, and the EU departments, specifically dedicated to EU funded projects, on 5.

In the programming period 2014/2020 MR run 2 projects on the Interreg IT-HR programme as lead partner (ADRIREEF; USEFALL) and 3 projects as partner (SUTRA; ASTERIS; TECHERA). MR managed other 4 project financed by other ETC programmes.

Co-financing

Source	Amount	Percentage
ERDF	392.708,00	80,00 %
FdR	98.177,00	20,00 %

Co-financing			
Source		Amount	Percentage
Partner contribution		0,00	0,00 %
Partner total eligible budget		490.885,00	100,00 %
Origin of partner contribution			
Source of contribution	Legal status of contribution	Amount	% of total partner budget
MR	Public	0,00	0,00 %
Total			
Sub-total public contribution		0,00	0,00 %
Sub-total automatic public contribution		0,00	0,00 %
Sub-total private contribution		0,00	0,00 %
Total		0,00	0,00 %
State Aid			
State aid criteria self-check			
Criterium I: Is the partner involved in economic activities through the project?			
1. Will the project applicant implement activities and/or offer goods/services for which a market exists?	No	The applicant will develop services with the involvement of the entrepreneurial fabric in the form of offers for the fruition of the territory that are not subject to a market.	
2. Are there activities/goods/services that could have been undertaken by an operator with the view to making profit (even if this is not the applicant's intention)?	No	None of the proposed activities will entail the possibility of operators making profit off of them.	
Criterium II: Does the partner receive an undue advantage in the framework of the project?			
1. Does the project applicant plan to carry out the economic activities on its own i.e. not to select an external service provider via public procurement procedures for example?	No	All provisions of external services will be entrusted through public procurement procedures according to national legislation.	
2. Will the project applicant, any other operator not included in the project as a project partner or the target audience gain any benefits from its project economic activities, not received in	No	No direct economic gain from the project activities is to be expected for the applicant, for the involved operators nor for the target audience.	

Criterion II: Does the partner receive an undue advantage in the framework of the project?	
the normal course of business (i.e. not received in the absence of funding granted through the project)?	
Result of State aid criteria self-check:	No risk of state aid
State aid relevant activities	
GBER scheme / de minimis	

B.1 Project Partner 2	
Partner number	2
Partner role	PP
Name of the organisation in original language	Ente di Gestione per i Parchi e la Biodiversità-Delta del Po (POPARK)
Name of the organisation in english	Managing Body for Parks and Biodiversity - Po Delta
Organisation abbreviation	PDP
Department / unit / division	
Partner main address	
Country	Italia (IT)
NUTS 2	Emilia-Romagna (ITH5)
NUTS 3	Ferrara (ITH56)
Street, House number, Postal code, City	C.so Mazzini 200 44022 Comacchio (FE)
Homepage	http://www.parcodeltapo.it
Address of department / unit / division (if applicable)	
Country	
NUTS 2	
NUTS 3	
Street, House number, Postal code, City	
Legal and financial information	
Type of partner	Local public authority
Subtype of partner	
Legal status	Public
Sector of activity at NACE group level	R.91.04
VAT number (if applicable)	01861400388
Is your organisation entitled to recover VAT based on national legislation for the activities implemented in the project?	No

Legal and financial information	
Tax number	91015770380
PEC address	parcodeltapo@cert.parcodeltapo.it
PIC (from EC Participant Register)	883225159
Contact	
Legal representative	Arch. Aida Morelli
Contact person	Dr. Massimiliano Costa
Email	massimilianocosta@parcodeltapo.it
Telephone no.	+39 0533 314003
Motivation	
Which of the organisation's thematic competences and experiences are relevant for the project?	
<p>PoDeltaPark manages the protected area and its more than 20 Natura 2000 sites through the biodiversity conservation supporting sustainable forms of economy and enhancing local traditions. Throughout its history, the Park has managed to ensure a higher level of sustainability of different human activities while reducing conflict between social and economic actors. As part of its mission to increase naturalistic knowledge, PoDeltaPark carries out scientific studies and surveys aimed at protecting biodiversity. Additionally, it conducts activities to teach at new generations the value of biodiversity. Doubtless, the strong point of the park is precisely the reconciliation of the biodiversity protection and conservation with human activities, involving different types of stakeholders over a very large territory (more than 500 km²).</p> <p>The PoDeltaPark will put at disposal its know-how gained in several years of activity in the fields of collecting ecological data in its territory, stakeholders involvement and communications activities. The project will benefit from the strong territorial competence developed by PoDeltaPark. The area on which the LP MR pilot action is being carried out is a Natura 2000 site for which the Park is responsible for management</p>	
What is the role (contribution and main activities) of your organisation in the project?	
<p>The Park, considering its fundamental role in the management of the Natura 2000 site where a pilot action is carried out, collaborates with the LP MR by making available all previous data and participates in the decision-making process. In WP1 it realises products to develop the evolutionary scenarios of the territory, which is fundamental to have an impact in the stakeholders' involvement activity, and organises the local meetings for the involvement of the local community.</p> <p>In WP2 it realises capacity building and production of dissemination materials (gadgets). In WP4 it participates in the definition of the Action Plan and its transfer activities at programme area level. It also organises an international conference addressed to the programme area's stakeholders.</p>	
If applicable, describe the organisation's experience in participating in and/or managing EU co-financed projects or other international projects.	
<p>"PoDeltaPark has a consolidated and successful experience in managing international projects, in particular in environmental protection and biodiversity conservation. In the last 7 years, PoDeltaPark</p>	

Motivation			
<p>participated in several projects as Coordinating Beneficiary of LIFE09 NAT/IT/000110 ""Conservation of habitats and species in the Natura 2000 sites in the Po Delta"" (progr. LIFE+ Nature and Biodiversity) and of LIFE10 NAT/IT/000256 "" Environmental Management and Conservation in Mediterranean salt-works and coastal lagoons"" (progr. LIFE+ Nature and Biodiversity).</p> <p>PoDeltaPark were also involved as partner in several communitaries projects: LIFE10 ENV/IT/000321 ""Water pollution reduction and water saving using a natural zeolite cycle"" (progr. LIFE+ Environment Policy and Governance), ""School-oriented Interactive Identification Tools (SIIT)"" (progr. Italia-Slovenia 2007/2013), ""Climaparks"" (progr. Italia-Slovenia 2007/2013), ""Slowtourism"" (progr. Italia-Slovenia 2007 /2013), ""CHANGE WE CARE"" (Italy - Croatia CBC Programme 2014-2020), DELTA LADY (Interreg Central Europe 2014-2020),LIFE17 NAT/IT/000588 ""Italian Grey Partridge reintroduction in Italy"" (progr. LIFE Nature and Biodiversity), LIFE19 NAT/IT/000264 ""Seagrass transplantation for transitional Ecosystem Recovery"" (progr. LIFE Nature and Biodiversity), LIFE19 NAT/IT/000851 ""Urgent measures in the Eastern Mediterranean for the long term conservation of endangered European eel"" (progr. LIFE Nature and Biodiversity)."</p>			
Co-financing			
Source		Amount	Percentage
ERDF		207.552,00	80,00 %
FdR		51.888,00	20,00 %
Partner contribution		0,00	0,00 %
Partner total eligible budget		259.440,00	100,00 %
Origin of partner contribution			
Source of contribution	Legal status of contribution	Amount	% of total partner budget
PDP	Public	0,00	0,00 %
Total			
Sub-total public contribution		0,00	0,00 %
Sub-total automatic public contribution		0,00	0,00 %
Sub-total private contribution		0,00	0,00 %
Total		0,00	0,00 %
State Aid			
State aid criteria self-check			
Criterion I: Is the partner involved in economic activities through the project?			
1. Will the project applicant implement activities and/or offer goods/services for		No	The applicant will develop services with the involvement of the entrepreneurial fabric in

State aid criteria self-check	
Criterium I: Is the partner involved in economic activities through the project?	
which a market exists?	the form of offers for the fruition of the territory that are not subject to a market
2. Are there activities/goods/services that could have been undertaken by an operator with the view to making profit (even if this is not the applicant's intention)?	No None of the proposed activities will entail the possibility of operators making profit off of them.
Criterium II: Does the partner receive an undue advantage in the framework of the project?	
1. Does the project applicant plan to carry out the economic activities on its own i.e. not to select an external service provider via public procurement procedures for example?	No All provisions of external services will be entrusted through public procurement procedures according to national legislation.
2. Will the project applicant, any other operator not included in the project as a project partner or the target audience gain any benefits from its project economic activities, not received in the normal course of business (i.e. not received in the absence of funding granted through the project)?	No No direct economic gain from the project activities is to be expected for the applicant, for the involved operators nor for the target audience.
Result of State aid criteria self-check:	No risk of state aid
State aid relevant activities	
GBER scheme / de minimis	

B.1 Project Partner 3	
Partner number	3
Partner role	PP
Name of the organisation in original language	Alma Mater Studiorum - Università di Bologna
Name of the organisation in english	Alma Mater Studiorum - University of Bologna
Organisation abbreviation	UNIBO
Department / unit / division	Dipartimento di Scienze Biologiche, Geologiche e Ambientali (BiGeA), Ravenna Campus Department of Biological, Geological and Environmental Sciences (BiGeA), Ravenna Campus
Partner main address	
Country	Italia (IT)
NUTS 2	Emilia-Romagna (ITH5)
NUTS 3	Bologna (ITH55)
Street, House number, Postal code, City	Via Zamboni 33 40126 Bologna
Homepage	www.unibo.it
Address of department / unit / division (if applicable)	
Country	Italia (IT)
NUTS 2	Emilia-Romagna (ITH5)
NUTS 3	Ravenna (ITH57)
Street, House number, Postal code, City	Sant'Alberto 163 48123 Ravenna
Legal and financial information	
Type of partner	Higher education and research organisations
Subtype of partner	
Legal status	Public
Sector of activity at NACE group level	P.85.42
VAT number (if applicable)	01131710376
Is your organisation entitled to recover VAT	No

Legal and financial information	
based on national legislation for the activities implemented in the project?	
Tax number	80007010376
PEC address	scriviunibo@pec.unibo.it
PIC (from EC Participant Register)	999993953
Contact	
Legal representative	Mr Alessandro Chiarucci
Contact person	Ms Maria Sole Giambastiani
Email	beatrice.giambastiani@unibo.it
Telephone no.	+39 0544 937318
Motivation	
Which of the organisation's thematic competences and experiences are relevant for the project?	
<p>Using a scientific, multidisciplinary and quantitative approach, the Department of Biological, Geological and Environmental Sciences (BiGeA) deals with research and teaching of geological processes, biological evolution, biodiversity and their interactions with humans. Thanks to the transfer of knowledge, BiGeA participates in the construction of a society based on knowledge of the environment and its resources for sustainable development.</p> <p>Thematic competences: Environmental sciences; hydrogeology ; geochemistry</p>	
What is the role (contribution and main activities) of your organisation in the project?	
<p>The Department is responsible for WP1, characterising the pilot area of the Po Delta by carrying out specific analyses and monitoring. It will support the PPs in the implementation of awareness-raising and training campaigns in WP2. In WP4, it participates in the definition of the Action Plan</p>	
If applicable, describe the organisation's experience in participating in and/or managing EU co-financed projects or other international projects.	
<p>The University of Bologna, founded in 1088, is the oldest university in Western World. UNIBO is involved in a very large number of projects as H2020 (more than 350, 98 as lead beneficiary), Horizon Europe (97 projects), LIFE 2014-20 (11, 4 as lead beneficiary), Life 2027 (3, 1 as lead beneficiary) and Interreg (30 from 2014, 6 as lead beneficiary), plus many national projects funded directly or indirectly by the European Union. The funded projects create networks with over 3.000 partners, 1.600 of which are private. Cooperation between university and Industry plays an important part of the activity, including patent developments, with a core in transfert of innovation towards companies.</p> <p>In Interreg Croatia, the departments and operative units of the coast participated in 11 projects, 3 coordinated (Prizefish, Sushi Drop and the capitalization TECHERA).</p> <p>The lead Department in THUNDERBOAT will be the BIGEA Department (Biology), having two Units, one in Bologna (not participating) and one in Ravenna, already dealing with Prizefish project. A centralized</p>	

Motivation			
Interreg and Life office will support the Department Bigea for the financial management and shared best practices learned in the past 30 Interreg projects.			
Co-financing			
Source		Amount	Percentage
ERDF		191.150,40	80,00 %
FdR		47.787,60	20,00 %
Partner contribution		0,00	0,00 %
Partner total eligible budget		238.938,00	100,00 %
Origin of partner contribution			
Source of contribution	Legal status of contribution	Amount	% of total partner budget
UNIBO	Public	0,00	0,00 %
Total			
Sub-total public contribution		0,00	0,00 %
Sub-total automatic public contribution		0,00	0,00 %
Sub-total private contribution		0,00	0,00 %
Total		0,00	0,00 %
State Aid			
State aid criteria self-check			
Criterium I: Is the partner involved in economic activities through the project?			
1. Will the project applicant implement activities and/or offer goods/services for which a market exists?	No	The applicant will develop services with the involvement of the entrepreneurial fabric in the form of offers for the fruition of the territory that are not subject to a market.	
2. Are there activities/goods/services that could have been undertaken by an operator with the view to making profit (even if this is not the applicant's intention)?	No	None of the proposed activities will entail the possibility of operators making profit off of them.	
Criterium II: Does the partner receive an undue advantage in the framework of the project?			
1. Does the project applicant plan to carry out the economic activities on its own i.e. not to	No	All provisions of external services will be entrusted through public procurement	

Criterion II: Does the partner receive an undue advantage in the framework of the project?	
select an external service provider via public procurement procedures for example?	procedures according to national legislation.
2. Will the project applicant, any other operator not included in the project as a project partner or the target audience gain any benefits from its project economic activities, not received in the normal course of business (i.e. not received in the absence of funding granted through the project)?	No No direct economic gain from the project activities is to be expected for the applicant, for the involved operators nor for the target audience.
Result of State aid criteria self-check:	No risk of state aid
State aid relevant activities	
GBER scheme / de minimis	

B.1 Project Partner 4	
Partner number	4
Partner role	PP
Name of the organisation in original language	Istituto Delta Ecologia Applicata srl
Name of the organisation in english	Delta Institute Applied Ecology
Organisation abbreviation	IDECO
Department / unit / division	
Partner main address	
Country	Italia (IT)
NUTS 2	Emilia-Romagna (ITH5)
NUTS 3	Ferrara (ITH56)
Street, House number, Postal code, City	Bela Bartok 29/B 44124 Ferrara
Homepage	www.istitutodelta.it
Address of department / unit / division (if applicable)	
Country	
NUTS 2	
NUTS 3	
Street, House number, Postal code, City	
Legal and financial information	
Type of partner	SME
Subtype of partner	
Legal status	Private for-profit
Sector of activity at NACE group level	M.72.19
VAT number (if applicable)	01542510381
Is your organisation entitled to recover VAT based on national legislation for the activities implemented in the project?	Yes
Tax number	01542510381

Legal and financial information	
PEC address	certificata@pec.istitutodelta.it
PIC (from EC Participant Register)	998471344
Contact	
Legal representative	Dr Cristina Barbieri
Contact person	Dr Cristina Barbieri
Email	cristinabarbieri@istitutodelta.it
Telephone no.	+39 328 7144404
Motivation	
Which of the organisation's thematic competences and experiences are relevant for the project?	
<p>IDECO was founded in October 2001 as a spin-off company of the University of Ferrara. The company carries out research and technology transfer activities in the fields of environment, sustainable development and land development. Istituto Delta is a research institute formally recognized by the National Register of Research of MIUR, No. 000767IMPR since 2002. The Company's staff has a multidisciplinary background with different specializations, and is therefore able to provide possible solutions to different projects. Istituto Delta has an established experience in European project management.</p> <p>The Company's team is involved in specialized technical services in all aspects related to conservation, sustainable use and enhancement of natural cultural resources of their complexity, GIS analysis, as well as activities in communication/dissemination activities (production of technical reports, technical-scientific articles, dissemination materials, educational materials, etc.). Its team has 20 years' experience in technical management, financial management and communication management of at least 20 European projects.</p>	
What is the role (contribution and main activities) of your organisation in the project?	
<p>IDECO will contribute to the implementation of the project through all the paths of the logical framework of the four WPs in cooperation with the other partners.</p> <p>In WP1 IDECO will support the LP in the preparation of all the documents and procedures to organise the start-up of the project and the definition of the project management methods, defining the communication strategy. Also in WP1 it carries out the socio-economic analysis of the Po Delta pilot area, collaborates in the identification of risks and threats and participates in the organisation of local community involvement activities. In WP2 it carries out benchmarking activities to identify best practices and strategies to capitalise on. It carries out the study on ecosystem services and develops the awareness-raising campaign aimed at the different project target groups. Produces environmental education products and organises the exchange of students between the two countries in collaboration with the PPs. In WP4 in collaboration with all the PPs defines and develops the Action Plan and supports the joint action for its transfer.</p> <p>The IDECO team has experience in the development of technical ecological activities and in the development of communication campaigns and educational and dissemination products, and carries out teaching activities with the Universities of Ferrara, Venice and Padua.</p> <p>The IDECO will dedicate internal expertise to the project:</p>	

Motivation

- 1 project manager, senior official with 20 years of experience in project management;
- 1 financial manager, senior official, EU project manager
- 1 communication manager, senior official
- 1 technical project officer, biologist.

If applicable, describe the organisation's experience in participating in and/or managing EU co-financed projects or other international projects.

IDECO has more than 20 years of experience both in participation and managing EU co-financed projects.

Participation:

LIFE09ENVIT000188 - Environmental COoperation model for Cluster (Ecocluster);

SEA ON A CHIP: 7th Framework Programme con il progetto "Real time monitoring of sea contaminants by an autonomous lab-on-a-chip biosensor - International;

LIFE19 NAT/IT/000264, LIFE TRANSFER Seagrass transplantation for transitional Ecosystem Recovery - International;

LIFE19 NAT/IT/000883 - Urgent actions for long-term conservation of Pelobates fuscus INSUBRICUS in the distribution area – LIFE NATURA

101091268 – NOVASOIL - INNOVATIVE BUSINESS MODELS FOR SOIL HEALTH

LIFE21-NAT-IT-LIFE Minnow - Project Number: 101074559

Managing:

LIFE19 NAT/IT/264, LIFE19 NAT/IT 000883, LIFE18 NAT/IT/000972, LIFE16 NAT/IT/000589, LIFE15 NAT/IT/000989, LIFE14 NAT/IT/000209, LIFE13 NAT/IT/000433, LIFE13 NAT/IT/000115, LIFE13 NAT /IT/000115, LIFE10 NAT/IT000256, LIFE09 NAT/IT000110, LIFE04 NAT/IT/000126, LIFE00 NAT/IT /7215, LIFE00 NAT/IT/7142); LIFE08ENV/IT/000404 ECORUTOUR.

IDECO participated to the implementation of the following Interreg V-A:

VALUE - Environmental And cuLtUralhEritage development "- Italy-Croatia CBC

PEPSEA "Protecting the Enclosed Parts of the Sea in Adriatic from pollution" providing specific deliverables on pollution risk and contingency plan;

ECOSS "ECOLOGical observing System in the Adriatic Sea: oceanographic observations for biodiversity" providing deliverables on the development of a local action plan and upscaling at the basin scale for Natura 2000 and for specific target species.

CHANGE WE CARE ""Climate cHallenges on coAstal and traNsitional chanGing arEas: WEaving a Cross-Adriatic

HISTORIC: heritage for innovative and sustainable tourist regions in Italy and Croatia

Interreg Med: CO-EVOLVE - PROMOTING THE CO EVOLUTION OF HUMAN ACTIVITIES AND NATURAL SYSTEM FOR THE DEVELOPMENT OF SUSTAINABLE COASTAL AND MARITIME TOURISM

Interreg IPA Adriatico: A.M.F. Adriatic Model Forest Ipa Adriatic

Co-financing

Source	Amount	Percentage
ERDF	239.624,00	80,00 %
FdR	59.906,00	20,00 %
Partner contribution	0,00	0,00 %
Partner total eligible budget	299.530,00	100,00 %

Origin of partner contribution			
Source of contribution	Legal status of contribution	Amount	% of total partner budget
IDECO	Public	0,00	0,00 %
Total			
Sub-total public contribution		0,00	0,00 %
Sub-total automatic public contribution		0,00	0,00 %
Sub-total private contribution		0,00	0,00 %
Total		0,00	0,00 %
State Aid			
State aid criteria self-check			
Criterion I: Is the partner involved in economic activities through the project?			
1. Will the project applicant implement activities and/or offer goods/services for which a market exists?	No	The applicant will develop services with the involvement of the entrepreneurial fabric in the form of offers for the fruition of the territory that are not subject to a market.	
2. Are there activities/goods/services that could have been undertaken by an operator with the view to making profit (even if this is not the applicant's intention)?	No	None of the proposed activities will entail the possibility of operators making profit off of them.	
Criterion II: Does the partner receive an undue advantage in the framework of the project?			
1. Does the project applicant plan to carry out the economic activities on its own i.e. not to select an external service provider via public procurement procedures for example?	No	The applicant, though not subjected to public procurement procedure, will ensure the respect of the best value for money and economic principles in the entrustment of external services	
2. Will the project applicant, any other operator not included in the project as a project partner or the target audience gain any benefits from its project economic activities, not received in the normal course of business (i.e. not received in the absence of funding granted through the project)?	No	No direct economic gain from the project activities is to be expected for the applicant, for the involved operators nor for the target audience.	
Result of State aid criteria self-check:	No risk of state aid		
State aid relevant activities			

GBER scheme / de minimis	
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B.1 Project Partner 5	
Partner number	5
Partner role	PP
Name of the organisation in original language	Javna ustanova Park prirode Vransko jezero
Name of the organisation in english	Public institution Vransko Lake Nature Park
Organisation abbreviation	NP Vransko Lake
Department / unit / division	Conservation service
Partner main address	
Country	Hrvatska (HR)
NUTS 2	Jadranska Hrvatska (HR03)
NUTS 3	Zadarska županija (HR033)
Street, House number, Postal code, City	Kralja Petra Svačića 2 23210 Biograd na Moru
Homepage	http://www.pp-vransko-jezero.hr/en/
Address of department / unit / division (if applicable)	
Country	Hrvatska (HR)
NUTS 2	Jadranska Hrvatska (HR03)
NUTS 3	Zadarska županija (HR033)
Street, House number, Postal code, City	Kralja Petra Svačića 2 23210 Biograd na Moru
Legal and financial information	
Type of partner	Local public authority
Subtype of partner	
Legal status	Public
Sector of activity at NACE group level	R.91.04
VAT number (if applicable)	62106126299
Is your organisation entitled to recover VAT based on national legislation for the activities implemented in the project?	Yes

Legal and financial information	
Tax number	62106126299
PEC address	info@pp-vransko-jezero.hr
PIC (from EC Participant Register)	891900451
Contact	
Legal representative	Mr Šime Mršić
Contact person	Mrs Maja Čuže Denona
Email	maja.cuze.denona@pp-vransko-jezero.hr
Telephone no.	+385 91 2323100
Motivation	
Which of the organisation's thematic competences and experiences are relevant for the project?	
<p>The public institution NP Vransko Lake is an institution legally established in 1999 for the purpose of management of protected wetland area (also a Ramsar site) through conservation, maintenance and promotion of natural and cultural values protected under the National Nature protection act. It has competences in managing species and habitats, facilitating interdisciplinary scientific research for the purpose of better understanding of the lake ecosystem functions, and design of management actions for nature conservation. The organization has experience in scientific data interpretation and education of the public, organizing awareness raising events and workshops, and designing strategic documents - management plans with participatory approach. Also, institution has developed Climate change adaptation plan for the pilot site of Vransko lake as a result of an Interreg project CHANGE WE CARE.</p>	
What is the role (contribution and main activities) of your organisation in the project?	
<p>As part of the developed Climate change adaptation plan project partner will be implementing actions of climate change and its impacts awareness raising (organizing lectures, seminars, round tables and study trips, developing educational material, organizing meetings and expert guided events, exhibitions and festivals). Also, PP will conduct public advocacy campaigns and organize meetings and thematic focus groups to coordinate action and cooperation. We will also implement scientific research activities and monitor the ecological status of the Vransko Lake watershed. The lake is extremely sensitive to nutrient load coming from the neighbouring agricultural land in the lake's catchment area of 470 km². The area is suffering a number of issues such as long-term drought periods, intrusion of the sea water with biodiversity loss, eutrophication processes during drought periods, and plans for further water uptake for irrigation in the catchment. For these reasons, we will implement pilot actions in order to make agricultural production an example of good practice of adaptation to climate change using a participatory decision-making approach and developing a Restoration plan, which will address the preservation of the environmental waterflow and promoting a sustainable agriculture land use.</p>	
If applicable, describe the organisation's experience in participating in and/or managing EU co-financed projects or other international projects.	
Public institution participated as a partner in EU co-financed project CHANGE WE CARE (Climate	

Motivation			
<p>challenges on coastal and transitional changing areas: Weaving a Cross- Project Adriatic Response), Funding Entity: 2014 - 2020 Interreg V-A Italy - Croatia CBC Programme; Reference: Project number 10043385. Also, as a lead partner Institution has implemented projects REVITALISATION AND CONNECTING OF NATURE PARK VRANSKO JEZERO ATTRACTIONS, Funding Entity: Operational programme Competitiveness and Cohesion 2014-2020 - European Regional Development Fund, Reference: KK.06.1.2.01.0014 and CENTER FOR SUSTAINABLE ACTIVE TOURISM – BIOSFERA, Funding Entity: Operational programme Competitiveness and Cohesion 2014-2020 - European Regional Development Fund, Reference: KK.06.1.2.01.0019.</p>			
Co-financing			
Source		Amount	Percentage
ERDF		237.952,80	80,00 %
Partner contribution		59.488,20	20,00 %
Partner total eligible budget		297.441,00	100,00 %
Origin of partner contribution			
Source of contribution	Legal status of contribution	Amount	% of total partner budget
NP Vransko Lake	Public	59.488,20	20,00 %
Total			
Sub-total public contribution		59.488,20	20,00 %
Sub-total automatic public contribution		0,00	0,00 %
Sub-total private contribution		0,00	0,00 %
Total		59.488,20	20,00 %
State Aid			
State aid criteria self-check			
Criterion I: Is the partner involved in economic activities through the project?			
1. Will the project applicant implement activities and/or offer goods/services for which a market exists?	No	The applicant will develop services with the involvement of the entrepreneurial fabric in the form of offers for the fruition of the territory that are not subject to a market.	
2. Are there activities/goods/services that could have been undertaken by an operator with the view to making profit (even if this is not the applicant's intention)?	No	None of the proposed activities will entail the possibility of operators making profit off of them.	

Criterion II: Does the partner receive an undue advantage in the framework of the project?	
1. Does the project applicant plan to carry out the economic activities on its own i.e. not to select an external service provider via public procurement procedures for example?	No All provisions of external services will be entrusted through public procurement procedures according to national legislation
2. Will the project applicant, any other operator not included in the project as a project partner or the target audience gain any benefits from its project economic activities, not received in the normal course of business (i.e. not received in the absence of funding granted through the project)?	No No direct economic gain from the project activities is to be expected for the applicant, for the involved operators nor for the target audience.
Result of State aid criteria self-check:	No risk of state aid
State aid relevant activities	
GBER scheme / de minimis	

B.1 Project Partner 6	
Partner number	6
Partner role	PP
Name of the organisation in original language	Institut Ruđer Bošković
Name of the organisation in english	Ruđer Bošković Institute
Organisation abbreviation	RBI
Department / unit / division	Division of Materials Chemistry
Partner main address	
Country	Hrvatska (HR)
NUTS 2	Grad Zagreb (HR05)
NUTS 3	Grad Zagreb (HR050)
Street, House number, Postal code, City	Bijenička cesta 54 10000 Zagreb
Homepage	https://www.irb.hr/eng
Address of department / unit / division (if applicable)	
Country	Hrvatska (HR)
NUTS 2	Grad Zagreb (HR05)
NUTS 3	Grad Zagreb (HR050)
Street, House number, Postal code, City	Bijenička cesta 54 10000 Zagreb
Legal and financial information	
Type of partner	Higher education and research organisations
Subtype of partner	
Legal status	Public
Sector of activity at NACE group level	M.72.1
VAT number (if applicable)	69715301002
Is your organisation entitled to recover VAT based on national legislation for the activities implemented in the project?	No

Legal and financial information			
Tax number	69715301002		
PEC address	ravnatelj@irb.hr		
PIC (from EC Participant Register)	999875031		
Contact			
Legal representative	Dr. David Matthew Smith		
Contact person	Dr. Sandi Orlic		
Email	sorlic@irb.hr		
Telephone no.	+38598778806		
Motivation			
Which of the organisation's thematic competences and experiences are relevant for the project?			
The RBI team has a significant experience in the sea water intrusion research (Selak et al., 2022: 10.1111/1462-2920.15924; 10.1016/j.scitotenv.2022.157859). We were involved in the research in different projects on the sea water intrusion topic.			
What is the role (contribution and main activities) of your organisation in the project?			
RBI team will be involved mainly in the monitoring activity during the project. We are studying the Croatian location for several years.			
If applicable, describe the organisation's experience in participating in and/or managing EU co-financed projects or other international projects.			
The Institute is currently engaged in over 200 projects, for which over half of the total funding is from European Union projects and other international sources.			
Co-financing			
Source	Amount	Percentage	
ERDF	215.040,00	80,00 %	
Partner contribution	53.760,00	20,00 %	
Partner total eligible budget	268.800,00	100,00 %	
Origin of partner contribution			
Source of contribution	Legal status of contribution	Amount	% of total partner budget
RBI	Public	53.760,00	20,00 %

Total		
Sub-total public contribution	53.760,00	20,00 %
Sub-total automatic public contribution	0,00	0,00 %
Sub-total private contribution	0,00	0,00 %
Total	53.760,00	20,00 %
State Aid		
State aid criteria self-check		
Criterium I: Is the partner involved in economic activities through the project?		
1. Will the project applicant implement activities and/or offer goods/services for which a market exists?	No	The applicant will develop services with the involvement of the entrepreneurial fabric in the form of offers for the fruition of the territory that are not subject to a market.
2. Are there activities/goods/services that could have been undertaken by an operator with the view to making profit (even if this is not the applicant's intention)?	No	None of the proposed activities will entail the possibility of operators making profit off of them.
Criterium II: Does the partner receive an undue advantage in the framework of the project?		
1. Does the project applicant plan to carry out the economic activities on its own i.e. not to select an external service provider via public procurement procedures for example?	No	All provisions of external services will be entrusted through public procurement procedures according to national legislation.
2. Will the project applicant, any other operator not included in the project as a project partner or the target audience gain any benefits from its project economic activities, not received in the normal course of business (i.e. not received in the absence of funding granted through the project)?	No	No direct economic gain from the project activities is to be expected for the applicant, for the involved operators nor for the target audience.
Result of State aid criteria self-check:	No risk of state aid	
State aid relevant activities		
GBER scheme / de minimis		

B.1 Project Partner 7	
Partner number	7
Partner role	PP
Name of the organisation in original language	Parco Naturale Regionale "Dune costiere da Torre Canne a Torre S. Leonardo"
Name of the organisation in english	Regional Natural Park "Coastal Dunes from Torre Canne to Torre San Leonardo"
Organisation abbreviation	PDC
Department / unit / division	
Partner main address	
Country	Italia (IT)
NUTS 2	Puglia (ITF4)
NUTS 3	Brindisi (ITF44)
Street, House number, Postal code, City	Piazza della Libertà 1 72017 Ostuni
Homepage	www.parcodunecostiere.org
Address of department / unit / division (if applicable)	
Country	
NUTS 2	
NUTS 3	
Street, House number, Postal code, City	
Legal and financial information	
Type of partner	Local public authority
Subtype of partner	
Legal status	Public
Sector of activity at NACE group level	R.91.04
VAT number (if applicable)	90037060747
Is your organisation entitled to recover VAT based on national legislation for the activities implemented in the project?	No

Legal and financial information	
Tax number	90037060747
PEC address	parcodunecostiere@pec.it
PIC (from EC Participant Register)	933715793
Contact	
Legal representative	Mrs. Annarita Angelini
Contact person	Mr. Michele Lastilla
Email	info@parcodunecostiere.org
Telephone no.	+39 3357431485
Motivation	
Which of the organisation's thematic competences and experiences are relevant for the project?	
<p>The Provisional management consortium of Regional Natural Park "Coastal Dunes from Torre Canne to Torre San Leonardo" is a management body of protected area whose primary purpose is to promote a sustainable development model, while helping to enhance the quality of life of the whole community. The Regional Natural Park of Coastal Dunes occupies approximately 1.100 acres of the territories of Ostuni and Fasano, 8 km of which are along the coastline while the remaining part stretches inland towards the agricultural areas occupied by centuries-old olive groves. According the Regional Law n. 31 of 2006, the Regional Park includes a Site of Community Importance (SCI) called "Litorale Brindisino" (Brindisi Coast) under the Habitat Directive (92/43/EEC), which is part of the European network "Natura 2000". The park is accessible, and offer didactic and observation huts for birds, environmental education activities and cultural events, (such as theater in nature). The Park of Coastal Dunes has heavily focused on conservation and valorization of species (flora and fauna) if its territory also through several founded project, for this reason the competence and experiences of LP result relevant according to the Project aims. The Regional Natural Park of Coastal Dunes is a local public body whose primary purpose is to promote a sustainable development model, while helping to enhance the quality of life of the whole community. The Park has a long experience in management and implementation of EU Founded projects and its good financial capacity results adequate to cover the cash flow necessary for the implementation of project activities.</p>	
What is the role (contribution and main activities) of your organisation in the project?	
<p>The Coastal Dunes Park, thanks to the experience gained in the study of the impacts of climate change, will support the partnership for the characterization of the selected pilot area and for the analysis of risks and threats in the medium and long term. In addition, PDC will collaborate with the partnership in both outreach activities, about ecosystem services, training of schools and laboratories with operators. Finally, PDC will implement a pilot action and collaborate with the partnership for the implementation of the action plan. For the pilot action, PDC will test one of the pilot actions identified in the Deliverable of 3.2 "Climate Adaptation Plan" implemented during the IDEAL project funded by the INTERREG Programme Italy-Croatia 2014/2020, in ordert to capitalize this output.</p>	
If applicable, describe the organisation's experience in participating in and/or managing EU co-	

Motivation			
financed projects or other international projects.			
<p>The Regional Natural Park of Coastal Dunes from Torre Canne to Torre San Leonardo, has a great experience in management and implementation of cross border cooperation projects, obtaining usually an high level of verified expenditures. Main projects are:</p> <ul style="list-style-type: none"> - PIC INTERREG IIIA Greece-Italy 2000-2006: COLECOLAM Project; - Interreg IIIA Italy-Albania 2000-2006: AMJOUELS Project; - ETCP - Greece-Italy 2007/2013: NAT.PRO Project; - ETCP - Greece-Italy 2007/2013: BIG Project; - LIVE YOUR TOUR Project co-funded by ENPI; - INTERREG V/A Italy-Croatia 2014/2020: IDEAL - LIFE DIOMEDEE Project - INTERREG V/A Italy-Albania-Montenegro 2014/2020: LASPEH Project (Lead partner) - INTERREG V/A Italy-Croatia 2014/2020: SASPAS Project 			
Co-financing			
Source		Amount	Percentage
ERDF		198.160,00	80,00 %
FdR		49.540,00	20,00 %
Partner contribution		0,00	0,00 %
Partner total eligible budget		247.700,00	100,00 %
Origin of partner contribution			
Source of contribution	Legal status of contribution	Amount	% of total partner budget
PDC	Public	0,00	0,00 %
Total			
Sub-total public contribution		0,00	0,00 %
Sub-total automatic public contribution		0,00	0,00 %
Sub-total private contribution		0,00	0,00 %
Total		0,00	0,00 %
State Aid			
State aid criteria self-check			
Criterium I: Is the partner involved in economic activities through the project?			
1. Will the project applicant implement activities and/or offer goods/services for		No	The applicant will develop services with the involvement of the entrepreneurial fabric in

State aid criteria self-check	
Criterium I: Is the partner involved in economic activities through the project?	
which a market exists?	the form of offers for the fruition of the territory that are not subject to a market.
2. Are there activities/goods/services that could have been undertaken by an operator with the view to making profit (even if this is not the applicant's intention)?	No None of the proposed activities will entail the possibility of operators making profit off of them.
Criterium II: Does the partner receive an undue advantage in the framework of the project?	
1. Does the project applicant plan to carry out the economic activities on its own i.e. not to select an external service provider via public procurement procedures for example?	No All provisions of external services will be entrusted through public procurement procedures according to national legislation.
2. Will the project applicant, any other operator not included in the project as a project partner or the target audience gain any benefits from its project economic activities, not received in the normal course of business (i.e. not received in the absence of funding granted through the project)?	No No direct economic gain from the project activities is to be expected for the applicant, for the involved operators nor for the target audience.
Result of State aid criteria self-check:	No risk of state aid
State aid relevant activities	
GBER scheme / de minimis	

B.1 Project Partner 8	
Partner number	8
Partner role	PP
Name of the organisation in original language	Grad Ploče
Name of the organisation in english	City of Ploce
Organisation abbreviation	PLOCE
Department / unit / division	
Partner main address	
Country	Hrvatska (HR)
NUTS 2	Jadranska Hrvatska (HR03)
NUTS 3	Dubrovačko-neretvanska županija (HR037)
Street, House number, Postal code, City	Trg kralja Tomislava 23 20340 Ploče
Homepage	https://ploce.hr/
Address of department / unit / division (if applicable)	
Country	
NUTS 2	
NUTS 3	
Street, House number, Postal code, City	
Legal and financial information	
Type of partner	Local public authority
Subtype of partner	
Legal status	Public
Sector of activity at NACE group level	0.84.11
VAT number (if applicable)	15429488788
Is your organisation entitled to recover VAT based on national legislation for the activities implemented in the project?	No
Tax number	15429488788

Legal and financial information	
PEC address	ured.gradonacelnika@ploce.hr
PIC (from EC Participant Register)	929270865
Contact	
Legal representative	Mayor Mišo Krstičević
Contact person	Deputy mayor Ivanka Pažin
Email	ivanka.pazin@ploce.hr
Telephone no.	+385 95 805 5242
Motivation	
Which of the organisation's thematic competences and experiences are relevant for the project?	
<p>The main activities of the organization are social activities, physical planning and communal activities, local self-government and finance. Occasional activities of the City of Ploče are maintenance of roads under the jurisdiction of the City of Ploče, maintenance of lawns, remediation of illegal landfills, maintenance of public spaces and assistance in carrying out cultural and other activities to entities in the city and performing all other activities. The City of Ploče generates income on the market exclusively on the basis of renting property owned by the City of Ploče.</p> <p>The City of Ploče continuously harmonizes internal acts with national and EU legislation in the field of environmental protection for projects aimed at environmental protection and allocates larger budget funds to manage waste in the prescribed manner.</p> <p>Some of the most important activities in this area are: rehabilitation of the main landfill in the town of Ploče, rehabilitation of illegal landfills, asbestos waste disposal and construction of a recycling yard and procurement of containers for separate waste collection in households.</p> <p>The City of Ploče encourages sustainable development, ie. it is not only about projects that have a social impact as a project from the Zaželi program, but also projects that aim to promote environmental protection have been implemented or are currently being implemented. Development of entrepreneurship at the local level, with special emphasis on entrepreneurship in the agricultural sector and green activities.</p> <p>The City of Ploče has so far implemented a large number of projects co-financed by EU funds or other sources and has formed a project team that implements them. The projects implemented by the City of Ploče, which encourage the development of the circular economy in the city, will be presented later.</p>	
What is the role (contribution and main activities) of your organisation in the project?	
<p>The City of Ploče can contribute to the project through the role of a project partner, i.e. through a contribution to the implementation of project activities and provide the personnel necessary for the implementation of project activities. we recognize the need to educate the population in order to adapt to climate change as efficiently as possible, as well as to prevent its occurrence. Identified the necessity of disaster risk prevention, that is, natural disasters that occur as a result of disturbed natural balance. It is necessary to strengthen resilience while respecting the approach based on ecosystems, for this reason the City of Ploče emphasizes the need to protect the delta of the Neretva River, which is one of the greatest natural resources in the area of the city of Ploče. By preserving the ecosystem of the delta, it directly contributes to the preservation of natura 2000 area and also surrounding agriculture</p>	

Motivation

area, which contributes to the quality of life of the population at the local level and beyond, since most of the agricultural products from this area are distributed throughout the Republic of Croatia and Europe.

We can actively contribute to the implementation of project activities through the creation of strategic plans for the preservation of biodiversity in this area, education of the population (through the organization of workshops, round tables, etc.). The emphasis is on activities with the population and business entities from the city area in order to educate them and to point out the necessity of environmental protection, which is the basis for more efficient adaptation to climate change.

If applicable, describe the organisation's experience in participating in and/or managing EU co-financed projects or other international projects.

The City of Ploče has very rich experience in managing and participating in the EU and other international projects. We have listed some of the projects implemented by the city as an applicant or partner, the value of the project in € and a brief description of the project.

COASTENERGY

€ 1,827,670.00

The City of Ploče participated in this project as a project partner and one of the achieved results is the establishment of the local Blue Energy Hub of the City of Ploče.

Zaželi danas za bolje sutra - Grad Ploče / Wish today for a better tomorrow - the City of Ploče

542.826,11 €

In this project, the City of Ploče was the applicant and through this project the emphasis was placed on additional public services in cooperation with the Center for Social Welfare in order to promote the quality of life of the citizens of the city of Ploče.

Građenje i opremanje reciklažnog dvorišta u Pločama - Construction and equipping of the recycling yard in Ploče

691.397,21 €

In this project, the City of Ploče was the applicant and through the implementation of project activities recycling yard was equipped.

Ribarsko-znanstvena mreža Grada Ploča - Fisheries and Science Network of the City of Ploče

389.648,15 €

The City of Ploče is the applicant in this project and acts as a liaison between project partners conducting research on sites in the city of Ploče, in order to ultimately achieve project objectives, which are directly related to promoting sustainable fisheries in the city of Ploče.

Provedba komunikacijske kampanje o održivom gospodarenju otpadom- Zeleni val - Implementation of the communication campaign on sustainable waste management - Green Wave

78.414,71 €

The City of Ploče was the applicant in this project and the project was implemented with the aim of reducing the amount of mixed municipal waste, which was ultimately realized and the final result was a reduction of the landfilled waste at the Lovornik landfill.

Co-financing			
Source		Amount	Percentage
ERDF		240.000,00	80,00 %
Partner contribution		60.000,00	20,00 %
Partner total eligible budget		300.000,00	100,00 %
Origin of partner contribution			
Source of contribution	Legal status of contribution	Amount	% of total partner budget
PLOCE	Public	60.000,00	20,00 %
Total			
Sub-total public contribution		60.000,00	20,00 %
Sub-total automatic public contribution		0,00	0,00 %
Sub-total private contribution		0,00	0,00 %
Total		60.000,00	20,00 %
State Aid			
State aid criteria self-check			
Criterium I: Is the partner involved in economic activities through the project?			
1. Will the project applicant implement activities and/or offer goods/services for which a market exists?	No	The applicant will develop services with the involvement of the entrepreneurial fabric in the form of offers for the fruition of the territory that are not subject to a market.	
2. Are there activities/goods/services that could have been undertaken by an operator with the view to making profit (even if this is not the applicant's intention)?	No	None of the proposed activities will entail the possibility of operators making profit off of them.	
Criterium II: Does the partner receive an undue advantage in the framework of the project?			
1. Does the project applicant plan to carry out the economic activities on its own i.e. not to select an external service provider via public procurement procedures for example?	No	All provisions of external services will be entrusted through public procurement procedures according to national legislation.	
2. Will the project applicant, any other operator not included in the project as a project partner or the target audience gain any benefits from its project economic activities, not received in	No	No direct economic gain from the project activities is to be expected for the applicant, for the involved operators nor for the target audience.	

Criterion II: Does the partner receive an undue advantage in the framework of the project?	
the normal course of business (i.e. not received in the absence of funding granted through the project)?	
Result of State aid criteria self-check:	No risk of state aid
State aid relevant activities	
GBER scheme / de minimis	

Associated organisations

No associated organisations

C - Project description

C.1 Project overall objective

Below, you can see the Programme priority specific objective your project will contribute to (chosen in section A.1.).

2.1: Promoting climate change adaptation and disaster risk prevention, resilience, taking into account eco-system based approaches

Project overall objective

Now think about your main objective – what do you aim to achieve by the end of your project? Remember your project needs to contribute to the programme’s objective.

Your objective should:

- be realistic and achievable by the end of the project, or shortly after;
- specify who needs project results and in which territory;
- be measurable – indicate the change you are aiming for.

The objective is to define and implement joint actions to tackle the ongoing process of climate change as well as to increase the knowledge of local communities and managers about the risks and threats to cultural and natural heritage. The project will also develop a Joint Strategy and action plan to increase the resilience of the programme area territories using Nature Based Solutions. This will contribute to greater cross-border coordination and the development of know-how.

C.2 Project relevance and context

C.2.1 What are the common territorial challenge(s) that will be tackled by the project?

Please describe why your project is needed in the programme area and the relevance of your project for the programme area, in terms of common challenges and opportunities addressed.

Climate change is causing great environmental challenges, which require compelling and urgent actions. Southern Europe and the Mediterranean are recognised as particularly vulnerable to global warming, with several interconnected sectors threatened. Recent analyses carried out by the CHANGE WE CARE project (Ivica Vilibić et al., 2020 "D. 3.1.1) show that the Adriatic Sea, is exhibiting a significant influence of the European land processes, for which freshwater load is substantial to the sea, about 1/3 of all Mediterranean load. Long-term observations highlight the following: a decrease in precipitation in most of the basin; a negative trend in freshwater budget in the Adriatic Sea; strong increase in salinity, with the largest trend in coastal regions; acceleration of sea level rise in recent decades, and more. Adaptation to climate change and building countries and societal resilience to climate variability is a shared concern among the project partners, which aim at a progressively more coordinated effort with shared objectives. The EU Strategy on Adaptation to Climate Change has fostered the development of National Adaptation Strategies (NAS) and National Adaptation Plans (NAP). In the two cross-border countries these Plans, as early as 2014, showed an impact on at least 12 socio-economic and natural sectors.

Resident populations and coastal economic activities in the seaside sector are among the most exposed activities as well as coastal territories rich in natural (Protected Areas, Natura 2000) and cultural heritage. The project areas are characterised by a rich biodiversity, among the most in Europe, which favours important and attractive economic opportunities for the area (tourism, fishing, agriculture): two delta areas, the Po Delta and the Neretva Delta (both natural parks) and 2 Parks: Vran Park and Coastal Dunes.

Coastal areas and resident populations must adapt to the challenges of climate change and possible future problems by developing resilience. The necessary change also requires a modification of living and production patterns of goods and services aiming to conserve and increase natural resources including flora and fauna that provide us with ecosystem services. Raising awareness and promoting education and understanding of climate change is the first step in the process of change. There is clearly a need to remove obstacles, promote capacity building and engage stakeholders in bottom-up measures to support the implementation of nature-based solutions.

Considering the common critical issues shared by the PPs in the application phase, the project tackles the programme challenge through: common and shared actions to implement nature-based solutions, the development of an awareness-raising campaign on the possible consequences of climate change aimed at promoting sustainable modes of adaptation, and the definition of an Action Plan that starts from the capitalisation of the existing to define ecosystem-based management actions.

C.2.2 How does the project tackle identified common challenges and/or opportunities and what is new about the approach the project takes?

Please describe new solutions that will be developed during the project and/or existing solutions that will be adopted and implemented during the project lifetime. Describe also in what way the approach goes beyond existing practice in the sector/programme area/participating countries.

ACTION implements common solutions that make it possible to overcome the local vision of climate change adaptation interventions, thanks, above all, to the sharing of knowledge, experiences, data and foremost the identification of common and different risks and threats that have an impact on both the natural and socio-economic systems of the 4 project coastal territories and the programme area.

The solutions adopted in the logical project process are:

- identification of the main ecological and socio-economic factors that characterise the areas where the pilot actions are implemented, which are analysed to identify risks and threats, sharing of the results among all the project PPs to develop future scenarios of the possible impact on the relevant economic sectors;
- sharing of scenarios with the population living in the different territories and awareness-raising of specific target groups that may influence or direct adaptation actions in the territory: young people, tourism operators, fishermen, farmers, volunteers and managing bodies;
- identification of ecosystem services and their benefits in the project area to derive a shared and common set among all PPs;
- enrichment of the contents with the results of studies on the benefits of ecosystem services and continuation of the awareness-raising and environmental education campaign by promoting training courses and exchange activities between students and teachers between the two countries to develop environmental education projects aimed at identifying proposals for shared solutions to adapt to climate change;
- capitalising on the results of plans, strategies derived from projects and policies of the two countries to extrapolate best practices of nature-based solutions;
- development of tools to implement significant interventions to improve and restore with nature-based solutions in 3 pilot areas: Po Delta (A 3.2); Vran Park (A 3.3) and Coastal Dunes Park (A 3.4);
- implementation of a green infrastructure in the Neretva Delta area (A 3.5);
- establishment of a Climate Adaptation Centre in the Po Delta, where awareness-raising and training activities will be carried out and cross-border projects between students from both countries will be developed;
- development and transfer to programme area level of an Action Plan with the aim to increase resilience of the territories to the climate change threats through the use of Nature Based Solutions applied not only to the pilot areas but at a higher scale.

The action plan certainly represents an innovative element that goes beyond existing practices because it addresses the challenges of the programme by identifying future, shared actions for the entire programme area that are based on nature-based solutions.

C.2.3 Why is cross-border/transnational/inter-regional cooperation needed to achieve the project's objectives and result?

Please explain why the project objectives cannot be efficiently reached acting only on a national/regional /local level and/or describe what benefits the project partners/target groups/ project area/programme area gain in taking a cross-border/transnational/inter-regional approach.

Through cross-border cooperation, the two countries can benefit from the co-sharing of resources and expertise, leading to more efficient and effective results. As specified in C.2.1, the Adriatic area has a negative climate change trend. The Adriatic Sea is a tendentially closed and shallow basin and highly dependent on the economic activities of the landward part (e.g., Po River basin in Northern Italy) and therefore more vulnerable and in need of new strategies and joint solutions. These solutions are all the more effective the more they involve territorially diverse areas bordering the transboundary area. The project involves two deltaic systems that represent the most important freshwater inputs to the Adriatic Sea: the Po Delta in Italy and the Neretva Delta in Croatia. To these are added an important Croatian protected area - Vrana Park, which with its Lake is surely the most capacious water reserve in Croatia, and a dune environment in Puglia. These are all fragile and vulnerable areas, threatened by climate change, especially salt ingression and severe weather events that put the present ecosystems at serious risk. This diverse representation of the pilot areas and the socioeconomic activities that develop there, allows for the identification of a variety of risks and threats as well as a broader set of ecosystem services. In practice, all the data and processing carried out jointly by the PPs allow for a precise definition of the transboundary Action Plan, which makes it transferable to the entire programme area. Without ACTION the different PPs would implement local actions without full knowledge of the overall scenario. Developing an awareness campaign and exchange between groups of students on a large scale results in a broader and deeper effect.

C.2.4 Who will benefit from your project outputs?

In the first column of each row, please select one of the pre-defined target groups from the drop-down list. In the second column explain in more detail exactly who will benefit from your project. For example, if you choose the category education, you need to explain which specific schools or groups of schools and in which territory.

Target Group	Specification
Local public authority	In addition n.8 municipalities and managers of the Protected Areas in the programme area involved in the transfer activity (A 4.4)
Regional public authority	Competent regions per pilot areas: IT: Emilia-Romagna and Puglia regions; HR: Adriatic Croatia. In addition, other no.2 Regions in the programme area involved in the transfer activity (A 4.4)
Sectoral agency	No. 6 tourism, agricultural and fishing trade associations involved in the awareness campaign (A 1.5; A 2.5)
Interest groups including NGOs	No. 8 cultural and tourist associations, volunteers involved in the awareness-raising campaign (A 1.5, A 2.5)
Higher education and research organisations	No. 2 higher education and research organizations involved in WP1 analysis and monitoring activities and in WP4 activities for the development and dissemination of Joint Strategy
Education/training center and school	No. 6 primary and secondary school students involved in environmental education activities (A 2.4) and secondary school students involved in training and exchange activities (A 2.4) from the 4 pilot areas
SME	NO. 20 tourism, agricultural and fishing enterprises involved in the awareness campaign (A 1.5 and A 2.5) of the 4 pilot areas
General public	No. 1000 local communities and citizens sensitised in the programme area, through the awareness-raising campaign (A 1.5, A 2.4, A 2.5)

C.2.5 How does the project contribute to wider strategies and policies?

Please indicate to which strategies and policies your project will contribute. Then describe in what way you will contribute.

Strategy	Contribution
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Strategy	Contribution
EU Strategy for the Adriatic and Ionian Region	<p>Project ACTION will produce effects within Pillar 3 "Environmental quality", which concerns the environmental quality of marine, coastal and terrestrial ecosystems in the Adriatic-Ionian region. The project activities find synergy with topic 1 "The marine environment" and topic 2 "Transnational terrestrial habitats and biodiversity" of the EUSAIR action plan and in particular find relevance in flagship 2 "Protection and enhancement of natural terrestrial habitats and ecosystems". The Adriatic and Ionian Region is directly exposed and highly vulnerable to disasters related to climate change, especially the rise in sea level and thus the intrusion of salt water; therefore, comprehensive policy actions are needed to adapt the target districts to these circumstances and provide them with concrete support in the challenge to climate change. In this context, the activities of ACTION aim at identifying risks and hazards related to the effects of climate change in the pilot areas in the medium and long term. The results will lead to improved knowledge for monitoring and developing solutions for adaptation to climate change, thanks above all to cross-border coordination involving the exchange of experience and know-how. Climate change adaptation and resilience solutions will be developed through the capitalisation of past experiences gained through the AdriAdapt, Asteris and other projects. Although EUSAIR considers pillar 3 separately, this theme cuts across the other three pillars of the Strategy. ACTION focuses on how environmental quality can improve prospects for smart and inclusive growth. It thus strengthens Blue Growth, contributes to sustainable tourism, and increases the connectivity of the Italy-Croatia macro-region.</p>

Strategy	Contribution
European Green Deal	<p>The project implements several provisions of the European Green Deal, contributing significantly to restoring biodiversity and making our continent more resilient to the effects of climate change. ACTION has concrete synergies with the Biodiversity Strategy 2030 (EBS 2030) and is relevant to the new adaptation strategy, COM(2021) 82 final. EBS 2030 identifies climate change as a cause of biodiversity loss, due to droughts, rising sea levels and increased water use for irrigation in agriculture, which further exacerbates the water crisis for natural habitats, accelerating the destruction of the natural world. With WP1, the effects of climate change on the natural and cultural heritage and economic activities in the pilot areas will be assessed by raising awareness among the resident population and disseminating the knowledge obtained to all stakeholders. The chemical and ecological conditions of the target water bodies will be analysed to have an initial complete picture necessary for the implementation of subsequent actions. WP2 will identify ecosystem services that counteract the risks and threats previously identified in WP1 and contribute to providing concrete adaptation solutions. On a technical level, a hydraulic model will be developed to link the solutions to the specific environmental conditions analysed in the pilot areas. In this way, the project will have a positive impact on the decrease of biodiversity loss. Within the adaptation strategy, it is established how the EU can adapt to the unavoidable impacts of climate change and become climate resilient by 2050. ACTION thus contributes to achieving the objectives of the priority area 'adaptation to climate change', namely 'sustainable water management in drought-prone areas, flood and coastal management' by developing solutions to halt and prevent environmental degradation caused by water scarcity and saltwater intrusion.</p>

Strategy	Contribution
Other	<p>INTEGRATED COASTAL ZONE MANAGEMENT</p> <p>Project ACTION is in line with the principles established by the Protocol on Integrated Coastal Zone Management in the Mediterranean. The Protocol determines several objectives to which ACTION will contribute, in particular: to preserve coastal zones for the benefit of present and future generations; to ensure the preservation of the integrity of coastal ecosystems, landscapes and geomorphology; to prevent and/or reduce the effects of natural hazards and in particular of climate change, which may be caused by natural or human activities. In addition, the general principles of ICZM defined in Art. 6 of the Protocol are respected, i.e. the use of an ecosystem approach, the consideration of biological heritage, the definition of preliminary risk assessments, the prevention of damage to the coastal environment and the participation of the local population. ACTION's activities conducted in the pilot areas will provide up-to-date information on the state of coastal conservation and data on the quantification of the impact of sea level rise on the ecosystem services provided by coastal areas. It will develop analyses that estimate the impact of climate change on all elements affecting the pilot areas: hydrological, geomorphological, ecological, socioeconomic and cultural. The knowledge and results obtained from WP1 activities on the identified risks and benefits of ecosystem services will be passed on to the populations of the affected areas, thereby increasing awareness and participation of civil society actors. Finally, the project will provide adaptation solutions that will increase the resilience of coastal areas, through the development of hydraulic models and the creation of collaborative platforms, providing techniques potentially applicable to all coastal areas facing the same climate challenges.</p>
Other	<p>WATER FRAMEWORK DIRECTIVE</p> <p>Project ACTION represents an important effort to ensure the sustainable management of water resources through the implementation of targeted programmes and measures. The results of the project will be used to provide essential support in the revision and updating of river basin management plans (RBMPs) and the programme of measures implemented by the water basin management authorities. Thanks to the accurate analysis of the chemical and ecological status of transitional and coastal waters in the pilot areas, the project will make it possible to develop effective solutions to achieve the objectives of the Water Directive, i.e. to prevent the qualitative and quantitative deterioration of waters, to improve their status and to ensure the long-term sustainable use of available water resources. Furthermore, the project is an opportunity to raise awareness among the public and authorities of the need to protect water resources and the importance of sustainable water management. Thanks to the collaboration between different organisations and stakeholders, the project will be able to contribute to the creation of a replicable model in other areas, promoting the dissemination of good practices at a global level to ensure the sustainability of water resources.</p>

Strategy	Contribution
Other	<p>HABITAT DIRECTIVE</p> <p>ACTION is extremely relevant for the conservation of biodiversity in pilot areas, as it involves two areas identified in the Natura 2000 network, the first pillar of the European Habitats Directive. The Adriatic Sea is a unique and extraordinary habitat that is home to numerous species of flora and fauna, many of which are at risk due to overfishing and other anthropogenic factors. The results obtained through the project will contribute to improving the knowledge base and the monitoring system for defining biodiversity protection policies in these areas. In addition, the project actively promotes community-level initiatives that combine the regeneration of marine resources with the conservation of local livelihoods, aiming at the development of joint strategies to disseminate good practices in nature protection, biodiversity and the bio-economy. Training and educational activities aim to raise awareness among policy-makers and service providers about the importance of a healthy marine environment and the need to design strategies that focus more on the economic value of nature conservation and biodiversity. In this way, ACTION plays a key role in promoting environmental sustainability and sustainable economic development in these pilot areas and beyond.</p>

C.2.6 Which synergies with past or current EU and other projects or initiatives will the project make use of?

Project or Initiative	Synergy
CHANGE WE CARE Interreg IT – HR 2014 -2020	<p>CHANGE WE CARE encouraged a more concerted and coordinated climate change adaptation measures planning across the Adriatic Sea basin, addressing coastal communities. A primary outcome of the project was to convey the up-to-date climate knowledge to policy makers who may best benefit from it together with planners, nature protection authorities, regional and local development agencies, territorial authorities etc.</p> <p>From this experience, ACTION continues by seeking to capitalise on its results and developing new approaches to raise awareness about adaptation scenarios and perspectives among representatives of the relevant socio-economic sectors in the project areas and to define a transferable Action Plan at programme area level.</p>

Project or Initiative	Synergy
<p>CLIMate Adaptation for the PO river basin district LIFE21-IPC-IT-LIFE CLIMAX PO/101069928 Acronym: LIFE21-IPC-IT-LIFE CLIMAX PO</p>	<p>LIFE CLIMAX PO seeks to foster the implementation of the Italian NAS in the Po River Basin District, boosting adaptation to climate change through a climate-smart management of water resources and by implementing measures tailored to local characteristics and climatic peculiarities at the district scale. It also increases the capacity for adaptation and involves stakeholders with water use interests. Water security and climate resilience is improved through replicable measures such as flood prevention and river system re-naturalisation.</p> <p>ACTION shares common goals that will amplify the action of both projects acting on neighbouring territories and in particular on:</p> <ul style="list-style-type: none"> - Shared climate knowledge: improving the understanding of climate risks; - Capacity building and awareness: accelerating climate adaptation through education, training and awareness-raising for policymakers, technical experts, public administrations and civil society organisations.
<p>IDEAL Project</p>	<p>The IDEAL project, funded by standard call under Priority Axis 2.1 (Improving Monitoring and Planning of Adaptation Measures Addressing Specific Aspects of Climate Change in Cooperation) of the Interreg V-A Programme Italy-Croatia 2014 /2020, aimed at preserving biodiversity and strengthening the capacity of policy makers to take more informed planning choices in relation to climate change and human effects. The main objective was to support local public administrations to take appropriate decisions related to climate adaptation measures and to develop coherent and appropriate climate adaptation plans for both Croatian and Italian territories. This objective was achieved through a shared process of knowledge construction and through the implementation of a common DSS-Decision Support System. During the project activities, the Regional Natural Park of Coastal Dunes prepared, in collaboration with the other project partners, its adaptation plan elaborated through an analysis of the existing planning tools and projects at regional or local level that directly or indirectly intervene in the territory of the Regional Natural Park in order to counter or mitigate the effects deriving from climate change, detect the hazards and the potential impacts, involve the stakeholders and decision makers and implement an action plan. This proposal will contribute to implement one of the actions identified during the consultation process with the key stakeholder and decision makers of the project IDEAL.</p>

Project or Initiative	Synergy
Orientgate Project	<p>Orientgate project funded by the South East Europe programme 2007/2013 fostered concerted and coordinated climate adaptation actions across the South Est European region. The project explored climate risks faced by coastal, rural and urban communities; contributed to a better understanding of the impact of climate variability and change on water regimes, forests and agro-ecosystems and analysed specific adaptation needs in the hydroelectricity, agro-alimentary and tourism sectors. The principal scope of the project was to convey the up-to-date climate knowledge to policy makers who may best benefit from it, that is urban planners, nature protection authorities, regional and local development agencies, territorial and public works authorities. The principal project results included six pilot studies of specific climate adaptation exercises, a data platform connected to the EU Clearinghouse on Climate Adaptation, capacity enhancing seminars and workshops, working partnership among the hydro-meteorological offices of the SEE countries. The Puglia case study provided tools and guidelines for local and regional authorities in the Puglia Region (Italy) to assess vulnerabilities and risks posed by climate change and related extremes (focusing on droughts), and to improve planning for the integrated management of water resources and coastal zones, considering scientifically sound and updated information about expected climate terrestrial and marine hazards, and their consequent impacts on domestic water supply, agriculture and coasts.</p>
Diving to a clean environment in Ploče	<p>Funded within the framework of the Operational Programme Effective Human Potential 2014-2020 (European Social Fund); City of Ploče participated as project partner.</p> <p>The general goal of the project is to encourage volunteerism in the local community through the organization of volunteer programmes, the organisation of local initiatives in the field of good governance, and the organisation of small civic actions in support of civil protection services. In other words, the goal is to connect key stakeholders in the area of the city of Ploče in the area of environmental activities and educating citizens with the aim of encouraging the development of environmental activism and educating citizens about the benefits of swimming, diving and other water sports through the implementation of project activities.</p> <p>The project is based on strengthening the capacity of the association and creating preconditions for the development of environmental activism in the area of the city of Ploče and its associated settlements with the aim of improving the quality of life of all citizens.</p> <p>The project is aimed at all citizens of the city of Ploče and its surrounding settlements. For this reason, activities have been specially designed to be adapted for children and young people. Through this project, it is planned to engage professional staff and volunteers with the aim of achieving the most efficient approach, bringing the younger generation closer to the principles of ecology, the benefits of practicing water sports and the importance of volunteering for personal development.</p>

Project or Initiative	Synergy
<p>Implementation of a communication campaign on sustainable waste management - Green Wave</p>	<p>from the EU Cohesion Fund.</p> <p>The aim of the project was to actively involve the population and tourists in the system of sustainable waste management, i.e. to reduce the generation and increase of separately collected waste, thereby reducing the amount of waste deposited at the Lovornik landfill. The activities of this project aimed at establishing an environmentally and economically sustainable waste management system.</p> <p>The project was based on a communication campaign through the available means of communication with the population and tourists to educate and inform about the measures to prevent waste, to reuse and properly separate, and recycle. Within the campaign, targeted groups were given a stimulating message about the importance of preventing waste, recycling, sustainable use of materials, home composting, proper waste separation in households, and the circular economy model. The project was implemented through digital communication tools, printing flyers on the back of invoices, making posters, setting up permanent notice boards, establishing a website on sustainable waste management in Ploče and Gradac in cooperation with the Municipality of Gradac. Through workshops in elementary schools and kindergartens, the project's messages were conveyed in an adapted form. Multilingual leaflets on the proper handling of waste will be placed in the accommodation units of private renters, so that the message of the campaign also reaches tourists.</p> <p>The project contributed directly to a significant reduction in the amount of waste disposed of at the Lovornik landfill, and to an increase in the rate of separately collected waste and people's awareness of the importance of sustainable waste management.</p>

C.2.7 How does the project build on available knowledge?

Please describe the experiences/lessons learned that the project draws on, and other available knowledge the project capitalises on.

The knowledge, experience and results gained in past projects are capitalised on in the present proposal. During the implementation of the project, a specific activity (A.2.2) is devoted to the capitalisation. There are several projects from which the present proposal benefits, first and foremost Change we care, which involves several ACTION partners. Change we care proposed adaptation measures and strategies for a participatory response to the effects of Climate Change. ACTION capitalizes on these results and develops them with a methodological approach based on nature-based solutions, a premise on which the Med-ESCWET project was built, and whose link to ACTION is the application of the ecosystem approach in wetland environments. The spill over effect of climate change on tourism activities originates from the COEVOLVE project (Interreg MED). Other projects have developed planning and management tools, such as ADRIPLAN, SHAPE and MEDSANDCOAST and ASTERIS which involved LP MR as PP in the previous programming period. ACTION also originates from a number of regional and European initiatives and policies including the EU Strategy on Adaptation to Climate Change; EU Marine Data Initiatives, the ICZM Protocol for the Mediterranean (Barcelona Convention) and its Action Plan for Implementation (2012-2019); the "Joint Action Plan on Mediterranean Coastal Adaptation to Climate Change" (JAP), the 2012 Bologna Charter Operational Instrument (BCJAP).

C.3 Project partnership

Describe the structure of your partnership and explain why these partners are needed to implement the project and to achieve project objectives. What is the contribution of each partner to the project?

The partnership is composed of actors with technical and scientific expertise on climate change issues, ecology and communication activities. The LP and PP2, PP5, PP7 and PP8 have territorial and management competences in the 4 pilot areas, they are municipalities and Nature Park Managing Authorities.

LP1 MR: coordinates the project and establishes: Steering Committee (SC) and Project Management Unit (PMUI). It appoints the Project Manager (LP) and is responsible for WP3. Other than leading the whole project, the MR will perform a leading role in the WP3 – increasing resilience (pilot actions) to develop an hydraulic model to restore the water cycle of the Delta del Po area and activate a climate center in which to engage stakeholders and citizens on a common knowledge building path to support adaptation policies. Particular focus will be dedicate to the engagement of students and young people, and on stakeholders that impact on the water management of the selected areas, collaborating with the partnership.

PP2 PDP is vice-responsible for the implementation of WP4. The Park, considering its fundamental role in the management of the Natura 2000 site where a pilot action is carried out, collaborates with the LP MR by making available all previous data and participates in the decision-making process. In WP1 it realises products to develop the evolutionary scenarios of the territory, which is fundamental to have an impact in the stakeholders' involvement activity, and organises the local meetings for the involvement of the local community. In WP2 it realises capacity building and production of dissemination materials (gadgets). In WP4 it participates in the definition of the Action Plan and its transfer activities at programme area level. It also organises an international conference addressed to the programme area's stakeholders.

PP3 UNIBO is responsible for WP1, characterising the pilot area of the Po Delta by carrying out specific analyses and monitoring. It will support the PPs in the implementation of awareness-raising and training campaigns in WP2. In WP4, it participates in the definition of the Action Plan

PP4 IDECO is responsible for WP2. In WP1 IDECO will support the LP in the preparation of all the documents and procedures to organise the start-up of the project and the definition of the project management methods, defining the communication strategy. Also in WP1 it carries out the socio-economic analysis of the Po Delta pilot area, collaborates in the identification of risks and threats and participates in the organisation of local community involvement activities. In WP2 it carries out benchmarking activities to identify best practices and strategies to capitalise on. It carries out the study on ecosystem services and develops the awareness-raising campaign aimed at the different project target groups. Produces environmental education products and organises the exchange of students between the two countries in collaboration with the PPs. In WP4 in collaboration with all the PPs defines and develops the Action Plan and supports the joint action for its transfer.

PP5 NP Vransko Lake: is vice-responsible for the implementation of WP3. In WP1 the park implements scientific research activities and monitor the ecological status of the Vransko Lake watershed. In WP1 and WP2 the Park implements actions of climate change and its impacts awareness raising (organizing lectures, seminars, round tables and study trips, developing educational material, organizing meetings and expert guided events, exhibitions and festivals). Also, PP will conduct public awerness campaigns and organize meetings and thematic focus groups to coordinate action and cooperation. In WP3 implements its pilot action. In WP4 it participates in the definition of the Action Plan and its transfer activities at programme area level.

PP6 RBI is responsible for WP4. in WP1 characterising the pilot area of the Neretva Delta by carrying out specific analyses and monitoring. It will support the PPs in the implementation of awareness-raising and training campaigns in WP2. In WP4, it participates and coordinates in the definition of the

Action Plan.

PP7 PDC is vice-responsible for the implementation of WP2. In WP1 the park implements scientific research activities and monitor the ecological status of costal dune. In WP1 and WP2 the Park implements actions of climate change and its impacts awareness raising and conducts public awerness campaigns and organize meetings. In WP3 implements its pilot action. In WP4 it participates in the definition of the Action Plan and its transfer activities at programme area level. PP8 MP PDC is vice-responsible for the implementation of WP1. In WP1 and WP2 it organises the involvement of the target groups, in WP3 it implements the pilot action within its competence. In WP4 it participates in the definition of the Action Plan and its transfer activities at programme area level.

C.4 Project work plan

Number	Work package name
1	Analysis of Pilot areas
2	Identification of Nature Based Solution to increase resilience
3	Increasing resilience
4	Strategies and action plan

Work package 1

Work package title

Analysis of Pilot areas

Objectives

Your objectives should be:

- realistic and achievable by the end of the project;
- specific (who needs project outputs delivered in this work package, and in which territory);
- measurable – indicate the change you are aiming for.

Define one project specific objective that will be achieved when all activities in this work package are implemented and outputs delivered.

To identify climate change-related hazards and threats to the pilot areas in the medium/long-term. The characterization of the 4 pilot areas, all Natura 2000, with natural and cultural heritage provides the basis for the development of subsequent WPs

Think about the communication objective that will contribute to the achievement of the specific objective. Communication objectives aim at changes in a target audience's behaviour, knowledge or belief.

To increase awareness on risks and hazards. Sharing scenarios on the impact of Climate Change on their daily activities with residents is central to the project's goals of raising awareness. Target audience: Local public authorities; SMEs; General public

Activities

Activity 1.1	
Title	A.1.1 Kick-off event and project start-up
Start period	Period 1, 1 - 6
End period	Period 3, 13 - 18
Description	<p>The activity consists of:</p> <ul style="list-style-type: none"> - Establishment of the Steering Committee (SC) and Project Management Unit (PMU) - Definition of project management kits and communication plan - Organisation of the kick-off event <p>The PA will be concluded between the LP and all the partners involved before the signature of the Subsidy Contract. A copy of the signed agreement</p>

<p>Activity 1.1</p>	<p>will be provided to the MA/JS.</p> <p>Setting up of the SC and PMU: The setup of the project Steering Committee and the organisation of the first meeting will be implemented within the first 3 months. The establishment of the two bodies, alongside the formal identification of the Project Manager (LP), Communication Manager and Financial Manager (PP4), and the formalisation of the overall management structure will guarantee the proper implementation of the project and mark the launch of the project activities. The SC meets every six months during the execution of the project, transversal to all WPs, so as to ensure the proper performance of its tasks.</p> <p>The PMU is formed by three figures per partner: a technical, a communication and a financial reference. The PMU operates per subgroups (one per WP) and the activities of each subgroup are coordinated by the responsible and vice-responsible partners of the specific WP. The Project Management Unit meets once every three months and at need throughout the duration of the project.</p> <p>The Project Manager (LP) develops a management kit with the PMU to be used for the sound implementation of the project activities. The management kit includes the Work Breakdown Structure (WBS) based on the approved Application Form, the timeline for the project activities, a budget tool for the monitoring of the expenditure level, templates for the reporting, and a set of indicators for the assessment of the impact of the project activities and results. The management kit represents the reference monitoring tool for the four WPs.</p> <p>The Communication Manager (PP4) develops a Communication Plan to be shared with the communication references of the PMU, and to be used in the designing and monitoring of the impact of the communication activities. The Communication Plan is transversal to the four WPs as each of them includes at least a communication objective to be pursued. The Communication Plan is defined in relation to the specific communication objectives and target groups.</p> <p>The kick-off meeting is organised within the first three months at the LP premises, to present the objectives and officially start the project.</p>
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Activity 1.1	
	The subgroup of the PMU for WP1 is coordinated by PP3 - in charge of the characterisation of the pilot area of the Po Delta - and PP8, respectively responsible and vice-responsible partners for the implementation of the activities of the WP.
Partner(s) involved	MR , PDP, UNIBO, IDECO, NP Vransko Lake, RBI, PDC, PLOCE

Deliverables 1.1			
Running number	Deliverable title	Description	Delivery period
D.1.1.1	Kick-off event	Organisation of the Kick-off as a project launch event, during which all partners will participate to share the project contents. Minutes of the meeting will be produced including all partner presentations and photo documentation	Period 1 , 1 - 6
D.1.1.2	Communication Plan	The communication plan is a document that defines the project's communication strategy, identifying the actions and main communication products that will be implemented to effectively reach the project target groups	Period 1 , 1 - 6
D.1.1.3	Management kit	The kit will consist of guidelines and procedure for the reporting of activities and budget, WBS, timeline for the project activities, a budget tool for the monitoring of the expenditure level, templates for the reporting, and a set of indicators for the assessment of the impact of the project	Period 1 , 1 - 6
D.1.1.4	Activity Plan	The working tools for the management of WP1 are drafted, based on the WBS and Communication Plan established within activity 1.1	Period 1 , 1 - 6
D.1.1.5	Minutes of meetings	Minutes of the meetings of the PMU subgroup for WP1 are collected to keep track of the progress of the WP activities	Period 3 , 13 - 18

Activity 1.2	
Title	Pilot areas characterization
Start period	Period 1, 1 - 6
End period	Period 2, 7 - 12
Description	The activity takes place in 4 pilot areas:

Activity 1.2	
	<p>Po Delta: coastal area located at the mouth of Lamone River, an area within the Municipality of Ravenna included in the regional Po Delta Park (PP2), characterized by the presence of protected natural areas, wetlands, intertwined with agricultural and inhabited lands.</p> <p>Neretva Delta: coastal area in the proximity of the Neretva Delta, within Ploče Municipality (PP8) partially protected where tourism in recent years has developed greatly with obvious negative interference on the protected environment.</p> <p>Vransko Lake: a complex hydrological system in dynamic balance with the sea: protected area Nature Park Vransko (PP8) jezero and site Natura 2000.</p> <p>Coastal Dunes Parks: protected dune area and Natura 2000 site located in a coastal area with intense tourism flows.</p> <p>The direct climate-related shared threats in the project areas are: saline ingression, reduced freshwater inflows, sea level rise and wave motion.</p> <p>Each pilot area will be characterized both ecologically and socio-economically, with parameters declined according to the needs of the pilot sites.</p> <p>Ecological analyses:</p> <ul style="list-style-type: none"> - Collecting and revision of all available data and information from various sources to characterize local hydrogeology, hydrologic dynamics; water resource availability, and water, soil and sediment chemistry and general quality; the presence of protected habitats and species and assessment of their conservation status. <p>Main reference partners for each pilot site: Lamone River pilot site: PDP Vransko Lake pilot site: NP Vransko Lake Coastal Dunes pilot site: PDC Neretva Delta pilot site: RBI</p> <ul style="list-style-type: none"> - Specific surveys include: physical and chemical parameters of surface water and shallow aquifer through the piezometers in the pilot areas (EC, T, pH, DO, Eh, suspended solids, turbidity, COD, BOD, major ions, nitrate nitrogen, total phosphorus, ammoniacal nitrogen (NH₃-N) and Potential Toxic Elements (PTEs). The monitoring of water level and the sediment geochemistry will be characterized for the PTEs.

Activity 1.2	
	<p>Main reference partners for each pilot site: Lamone River pilot site: UNIBO, MR Vransko Lake pilot site: NP Vransko Lake Coastal Dunes pilot site: PDC Neretva Delta pilot site: RBI</p> <p>Socio-economic analyses: - collecting available data (e.g. land use, local /regional statistics, technical reports, specific studies), definition of indicators; collection of information for the indicators; development of questionnaires for data collection; distribution of questionnaires and data analysis with the drafting of a report.</p> <p>Main reference partners for each pilot site: Lamone River pilot site: IDECO Vransko Lake pilot site: NP Vransko Lake Coastal Dunes pilot site: PDC Neretva Delta pilot site: PLOCE</p>
Partner(s) involved	MR , PDP, UNIBO, IDECO, NP Vransko Lake, RBI, PDC, PLOCE

Deliverables 1.2			
Running number	Deliverable title	Description	Delivery period
D.1.2.1	Reports on the characterization of the pilot areas	No. 4 reports with data synthesis resulting from the analyses in the 4 different territorial contexts	Period 2 , 7 - 12

Activity 1.3	
Title	Identification of hazards and threats at medium and long term
Start period	Period 2, 7 - 12
End period	Period 3, 13 - 18
Description	Based on the results of the analysis conducted with A.1.2 the main hazards and threats posed by the climate change and affecting the studied areas will be identified. A common scale will be agreed among PPs both for threats and for the definition of medium

Activity 1.3	<p>/long term. Considering the characteristics of the pilot areas, the analysis will prioritize threats for different sectors (e.g. agriculture, biodiversity, resident population, tourism) assessed by their probability and potential impact.</p> <p>A.1.3 includes:</p> <ul style="list-style-type: none"> - identification of simple indicators to assess trends, monitor and evaluate changes in water, soil and sediment quality and freshwater availability; - evaluation of possible mitigation and adaptation solutions against saltwater intrusion and seawater encroachment (change in the hydraulic system; increase in freshwater storage during periods of high-water availability; reuse of drainage water towards infiltration trenches; prevention of seawater encroachment through weirs; etc.) <p>Reference partners for each pilot site: Lamone River pilot site: MR, UNIBO, PDP, IDECO Vransko Lake pilot site: NP Vransko Lake Coastal Dunes pilot site: PDC Neretva Delta pilot site: RBI, PLOCE</p>
Partner(s) involved	MR , PDP, UNIBO, IDECO, NP Vransko Lake, RBI, PDC, PLOCE

Deliverables 1.3			
Running number	Deliverable title	Description	Delivery period
D.1.3.1	Reports on the hazards and threats of the pilot areas in the medium and long term	No. 4 reports resuming the hazards and threats posed by climate change in each pilot area, including the list of indicators and indices used and protocols to ensure the continuance of activities with standardised methodologies	Period 3 , 13 - 18
D.1.3.2	GIS	Development of the project GIS database to store, manage and elaborate current and future data	Period 3 , 13 - 18

Activity 1.4	
Title	Scenarios and assessment of the effects of climate change
Start period	Period 2, 7 - 12

Activity 1.4	
End period	Period 3, 13 - 18
Description	<p>The results of the previous activities enable the painting of a clear picture for the project area through ecological, socio-economic data and the identification of threats. This data base provides the possibility to develop and implement tools with strong impact on the public opinion. The tools (multimedia, videos or dioramas) will be crucial to carry out the awareness campaign aimed at the project target groups, and in particular the visualisation of the evolutionary scenarios on the impact of climate change on economic activities and natural and cultural heritage is expected to determine an increase in awareness by triggering the change in behaviour and mode of future planning.</p> <p>LP and PP2 will implement a new storytelling concept on the Po Delta with a coordinated system of paths linking five Natura 2000 sites to the city and to the beaches and vice versa. 4 main "gates" to access the climate journey will be identified and customised with coordinated design. 3 physical gates will be created within the Natura Museum of Sant'Alberto, in the city of Ravenna (CLAC) and by the sea side, focusing on different targets (students, citizens, tourists). Specific stories will characterise the trekking path, the cycling and horseback path, the boat tours. The routes are already accessible to visitors with disabilities and equipped with information boards. Visitors will be led to experience the territory and its values linked to agriculture, habitats, history etc. and to learn about climate change and the adaptation measures in a dynamic way. The 4th gate is digital: a section of the project website includes maps, texts and docu-videos about the climate changing over time, and the related stories of transformation and adaptation. The materials will be connected to specific sites and relevant QR codes, and also thematically organised around: water management, nature-based solutions and habitats; history; agriculture; fishing etc. The web journey will include resources for workshops and educational activities.</p> <p>PP7 develops an e-book on the pilot area scenarios that will be used in the awareness campaign; PP2 and PP5 realise animated interpretations/dioramas.</p>
Partner(s) involved	MR , PDP, NP Vransko Lake, PDC

Deliverables 1.4			
Running number	Deliverable title	Description	Delivery period
D.1.4.1	4 Reports on the local scenarios	4 Documents describing different scenarios, impacts on relevant economic activities and natural and cultural heritage	Period 3 , 13 - 18
D.1.4.2	Tools for the awareness raising	Storytelling, e-books, videos and photos of the products made (dioramas, animated interpretations)	Period 3 , 13 - 18

Activity 1.5	
Title	Resident population awareness raising
Start period	Period 2, 7 - 12
End period	Period 3, 13 - 18
Description	<p>Based on the Communication Strategy and on the socio-economic analysis, A.1.5 starts the awareness campaign targeting the general public and businesses in the relevant economic sectors of the area to sensitise on the altered conditions. As not all stakeholders are aware and informed of their vulnerability, threats and measures they can take to proactively adapt to climate change, awareness raising is a core component of the adaptation process to manage the impacts of climate change, improve adaptive capacity, and reduce overall vulnerability. At par political awareness is also important as policy makers, administrators and managers of natural and cultural assets are key players in the adaptation process.</p> <p>A social campaign, coordinated by PP4, will be implemented with messages derived from the results of the previous analyses, targeting the different components of the public with special reference to youth, businesses and tourists. Informative and educational videoclips will be made, disseminated through social medias and during events. A series of specific meetings will be organized in each pilot area:</p> <ul style="list-style-type: none"> - Po Delta: 2 meetings by PP2, PP4, LP - Neretva Delta: 1 nature cleaning action by PP8 - Vransko Lake: 2 meetings by PP5

Activity 1.5	
	- Coastal Dunes Parks: 2 meetings by PP7 PDP will also organise a joint (IT and HR) event to trigger networking activities across borders among policy makers, administrators and managers of nature protected areas about vulnerability and adaptation to climate change.
Partner(s) involved	MR , PDP, IDECO, NP Vransko Lake, PDC, PLOCE

Deliverables 1.5			
Running number	Deliverable title	Description	Delivery period
D.1.5.1	Awareness campaign tools	5 videoclips, 1000 informational material (leaflets) and 10 sponsored social posts on key concepts on climate change	Period 3 , 13 - 18
D.1.5.2	Report of the meetings	Evidence documentation of the implementation of the meetings: signature sheets, photos, presentations used	Period 3 , 13 - 18

Outputs

Output 1.1	
Output Title	Awareness raising events
Programme Output Indicator	RCO115_2.1: Public events across borders jointly organised
Measurement Unit	events
Target Value	1,00
Delivery period	Period 4, 19 - 24
Output Description	Implementation a joint event targeting the general public, policy makers, and natural and cultural heritage managers of the programme area to promote awareness of the altered conditions in the context of climate change adaptation.

Investments

Work package 2

Work package title

Identification of Nature Based Solution to increase resilience

Objectives

Your objectives should be:

- realistic and achievable by the end of the project;
- specific (who needs project outputs delivered in this work package, and in which territory);
- measurable – indicate the change you are aiming for.

Define one project specific objective that will be achieved when all activities in this work package are implemented and outputs delivered.

To capitalise on previous experiences and select Nature Based Solution to increase the resilience of the pilot areas.

Think about the communication objective that will contribute to the achievement of the specific objective. Communication objectives aim at changes in a target audience's behaviour, knowledge or belief.

To increase cross-border awareness of benefits of ecosystem services through the development of training courses and exchange activities for students and teachers aimed at developing joint projects.

Target audience: Higher education and research organisations; Education/training centres and schools; SMEs; General public; Interest groups including NGOs.

Activities

Activity 2.1	
Title	Technical and communication coordination and monitoring WP implementation
Start period	Period 1, 1 - 6
End period	Period 4, 19 - 24
Description	<p>Activity 2.1 includes the monitoring and management tasks of WP2, following the working structure of the Steering Committee (SC) and Project Management Unit (PMU).</p> <p>The subgroup of the PMU for WP2 is coordinated by PP4 and PP7, respectively responsible and vice-responsible partners for the implementation of the</p>

Activity 2.1	
	<p>activities of the WP. The management unit, coordinated by PP4 and PP7, meets at least 10 times during the WP period: once every three months. Minutes of the meetings are collected to keep track of the progress for its whole duration.</p> <p>The role of the PMU is to ensure the sound implementation of the WP technical, communication and financial activities, in accordance with the approved Application Form. The supporting tools used by the unit in its management role include:</p> <ul style="list-style-type: none"> - Communication Plan developed by the Communication Manager within activity 1.1, in its declination with regard to the specific objectives and target groups of WP2 - The Work Breakdown Structure developed by the Project Manager within activity 1.1, in its specific application to WP2 with regard to the activities' timeline and relevant indicators for the assessment of the impact of the WP <p>The coordinators for the WP2 subgroup of the PMU are in charge of assessing its operational functioning, the coherence of the implemented activities with the approved proposal, its respect of the deadlines for the achievement of the expected outputs and results and the overall impact (with a focus on the socio-economic aspects) in relation to the project objectives. The assessment is carried out periodically, in correspondence with the general PMU meetings, making use of the set of indicators developed by the Project Manager. This modality of internal quality assessment ensures the timely and realistic monitoring of the impact of the project throughout its implementation.</p>
Partner(s) involved	MR , PDP, UNIBO, IDECO, NP Vransko Lake, RBI, PDC, PLOCE

Deliverables 2.1			
Running number	Deliverable title	Description	Delivery period
D.2.1.1	Activity Plan	The working tools for the management of WP2 are drafted, based on the WBS established within activity 1.1	Period 1 , 1 - 6
D.2.1.2	Minute of meetings	Minutes of the meetings of the PMU subgroup for WP2 are collected to keep track of the progress of the WP activities	Period 5 , 25 - 30

Activity 2.2	
Title	Capitalization
Start period	Period 1, 1 - 6
End period	Period 2, 7 - 12
Description	<p>All PPs are committed to collecting experiences they are aware of or projects they have been involved in to identify the best practices. The analysis will also include the collection of climate change initiatives and policies.</p> <p>A precise framework will be followed divided by main topics:</p> <ul style="list-style-type: none"> Risks and threats Adaptation plans and measures Sensitisation and awareness raising Approaches and guidance based on nature-based solutions Policies and directions derived from national and European strategies <p>The main projects that will be analysed are:</p> <ul style="list-style-type: none"> - CHANGE WE CARE Climate cHallenges on coAstal and traNsitional chanGing arEas: WEaving a Cross-Adriatic REsponse - AdriAdapt an information platform for strengthening climate change resilience for the Adriatic coastal local communities; - Asteris Adaptation to Saltwater inTrusion in sEa level Rise Scenarios
Partner(s) involved	MR , PDP, UNIBO, IDECO, NP Vransko Lake, RBI, PDC, PLOCE

Deliverables 2.2			
Running number	Deliverable title	Description	Delivery period
D.2.2.1	Capitalisation report	Report on the best experiences on adaptation in order to increase resilience	Period 2, 7 - 12

Activity 2.3	
Title	Identification of ecosystem services

Activity 2.3	
Start period	Period 2, 7 - 12
End period	Period 4, 19 - 24
Description	<p>The activity will identify the Ecosystem Services (ES) that best tackle the hazards and threats identified and prioritised within WP1. ES appeared in scientific literature in 1977 and a classification was proposed in the 2005 Millennium Ecosystem Assessment, modified in 2010 by TEEB but only in 2013 the Common International Classification of Ecosystem Services (CICES) was published. In order to avoid possible interpretations, the last available CICES classification will be used, taking into account the feasibility to improve, adapt or restore the ecosystems that provide the desired services into each specific pilot area.</p> <p>PPs will discuss and identify the most suitable methodology for the analyses, e.g., the PA-BAT methodology or other methodologies defined by the IUCN Tools for measuring, modelling, and valuing ecosystem services (Guidance for Key Biodiversity Areas, natural World Heritage sites, and protected areas).</p>
Partner(s) involved	MR , PDP, UNIBO, IDECO, NP Vransko Lake, RBI, PDC, PLOCE

Deliverables 2.3			
Running number	Deliverable title	Description	Delivery period
D.2.3.1	Joint Report on ecosystem services and resilience of coastal area increase	Document describing the identified methodology and the set of common ecosystem services	Period 4 , 19 - 24

Activity 2.4	
Title	Awareness raising on the benefits of ecosystem services
Start period	Period 3, 13 - 18
End period	Period 5, 25 - 30
Description	Several initiatives are carried out in this activity,

Activity 2.4	
	<p>continuing the awareness campaign started with A. 1.5. The target groups are high schools and elementary schools, involved in the educational activity.</p> <p>PPs will work with teachers to develop specific paths to increase the knowledge and skills of the new generations on the topics of climate change. Exchange experiences, including study tours, between groups of students aimed at jointly developing one or more cross-border climate change adaptation project will be implemented. The activity is implemented by the LP, PP2, PP5, PP7 and PP8 with the support of PP4 who will coordinate the exchange of student groups and the activities aimed at obtaining the didactic projects. The activity includes also the production of educational materials, such as educational kits, educational paths aimed at elementary and middle schools in the pilot areas.</p> <p>PP4 produces a digital educational kit, partly printed and distributed in elementary and middle schools. The educational material aims at raising awareness of children and their families on the cultural and natural heritage of the district territories. The kit will be delivered to all PPs and made available to develop a common education activity.</p> <p>A specific educational programme will be activated including</p> <ul style="list-style-type: none"> - climate workshops, where students will learn to perceive the climate change symptoms and activate for adaptation and will be involved in interactive games. - climate workshops 6-10 y.o. based on videos and a creative educational notebook <p>Gadgets, produced from recycled material or certified for their sustainability (GPP), are distributed to the target groups involved.</p> <p>Partner(s) involved</p> <p>MR , PDP, UNIBO, IDECO, NP Vransko Lake, RBI, PDC, PLOCE</p>

Deliverables 2.4			
Running number	Deliverable title	Description	Delivery period
D.2.4.1	Training course for students	Documentary evidence of the implementation of the training activity, including study materials, presentations and	Period 5 , 25 - 30

Deliverables 2.4			
Running number	Deliverable title	Description	Delivery period
		products implemented (adaptation project)	
D.2.4.2	Didactic kit	Student booklets, teacher's guide and lectures (power point presentations) with cultural teaching content	Period 2 , 7 - 12
D.2.4.3	Educational activities	Plans and reports on educational activities carried out in the 4 pilot areas	Period 5 , 25 - 30
D.2.4.4	Gadgets for participants in the training activities	Gadgets: 2000 t-shirts, 2000 caps, 100 bonnets, 1000 pencil, 1000 shopper, 500 water bottles with project and programme logos	Period 2 , 7 - 12

Activity 2.5	
Title	Awareness raising activities on the natural and cultural aspects
Start period	Period 2, 7 - 12
End period	Period 5, 25 - 30
Description	<p>As with the previous activity, A.2.5 continues the campaign to raise awareness on the effects of climate change. This activity is particularly aimed at practitioners in the most relevant socioeconomic sectors of the project area.</p> <p>The following tasks are implemented:</p> <ul style="list-style-type: none"> - A common active climate participation campaign - a calendar of experiences of active participation for climate will be drafted and implemented - Specific events will be offered on Fridays, connecting to the idea of Fridays for future: laboratories and workshops - PP2 will organise a joint (IT and HR) training activity for capacity building of all professionals, stakeholders, operators and volunteers involved by PPs, to improve the necessary competences and awareness, to develop a proactive attitude in the process of adapting to climate change and to develop with the target audience measures that will be able to help mitigate threats on the area's natural and cultural heritage. - Continuation and further development of the

Activity 2.5	
	social media campaign through the presentation of the different modalities through which operators and practitioners can be involved, and aimed at promoting proactive behaviours for the adaptation and preservation of the cultural and natural heritage and of the economic activities connected to it.
Partner(s) involved	MR , PDP, UNIBO, IDECO, NP Vransko Lake, RBI, PDC, PLOCE

Deliverables 2.5			
Running number	Deliverable title	Description	Delivery period
D.2.5.1	Laboratories /workshop	At least 5 laboratories or experiences implemented (collection of pictures and report of the activity)	Period 4 , 19 - 24
D.2.5.2	Capacity building programme	Descriptive report of the activities carried out, documented by photos, participation lists and signature sheets	Period 4 , 19 - 24
D.2.5.3	Awareness campaign tools	10 sponsored social posts on proactive behaviours for the preservation of the natural and cultural heritage	Period 5 , 25 - 30

Outputs

Output 2.1	
Output Title	Training activities
Programme Output Indicator	RCO85_2.1: Participations in joint training schemes
Measurement Unit	participations
Target Value	15,00
Delivery period	Period 5, 25 - 30
Output Description	Development of cross-border training activities including study trips for students and teachers and exchange experiences for professionals, stakeholders and volunteers to implement a common CC adaptation project. The training scheme is developed through a series of sessions involving activities in the classroom and at one's own pilot area of residence, at other cross-border pilot areas and a series of on-line connections to exchange of information, results, and experiences.

Output 2.2	
Output Title	awareness raising event
Programme Output Indicator	RCO115_2.1: Public events across borders jointly organised
Measurement Unit	events
Target Value	1,00
Delivery period	Period 5, 25 - 30
Output Description	Implementation of a joint event targeting for the general public to improve the resilience of the natural and cultural heritage of the pilot areas.

Investments

Work package 3

Work package title

Increasing resilience

Objectives

Your objectives should be:

- realistic and achievable by the end of the project;
- specific (who needs project outputs delivered in this work package, and in which territory);
- measurable – indicate the change you are aiming for.

Define one project specific objective that will be achieved when all activities in this work package are implemented and outputs delivered.

To test integrated climate-adaptation solutions in the four pilot areas of the project

Think about the communication objective that will contribute to the achievement of the specific objective. Communication objectives aim at changes in a target audience's behaviour, knowledge or belief.

Involvement of target groups with direct experience on pilot actions. Involvement is developed both through direct visits to the places where the pilot actions are carried out and through sharing the methodologies used and the results achieved

Target audience: Higher education and research organisations; Education/training centres and schools; Enterprises; SMEs; General public

Activities

Activity 3.1	
Title	Technical and communication coordination and monitoring WP implementation
Start period	Period 1, 1 - 6
End period	Period 5, 25 - 30
Description	<p>Activity 3.1 includes the monitoring and management tasks of WP3, following the working structure of the Steering Committee (SC) and Project Management Unit (PMU).</p> <p>The subgroup of the PMU for WP3 is coordinated by LP1 and PP5, respectively responsible and vice-responsible partners for the implementation of the activities of the WP. The management unit,</p>

Activity 3.1	<p>coordinated by LP1 and PP5, meets at least 10 times during the WP period: once every three months. Minutes of the meetings are collected to keep track of the progress for its whole duration.</p> <p>The role of the PMU is to ensure the sound implementation of the WP technical, communication and financial activities, in accordance with the approved Application Form. The supporting tools used by the unit in its management role include:</p> <ul style="list-style-type: none"> - Communication Plan developed by the Communication Manager within activity 1.1, in its declination with regard to the specific objectives and target groups of WP3 - The Work Breakdown Structure developed by the Project Manager within activity 1.1, in its specific application to WP3 with regard to the activities' timeline and relevant indicators for the assessment of the impact of the WP <p>The coordinators for the WP3 subgroup of the PMU are in charge of assessing its operational functioning, the coherence of the implemented activities with the approved proposal, its respect of the deadlines for the achievement of the expected outputs and results and the overall impact (with a focus on the socio-economic aspects) in relation to the project objectives. The assessment is carried out periodically, in correspondence with the general PMU meetings, making use of the set of indicators developed by the Project Manager. This modality of internal quality assessment ensures the timely and realistic monitoring of the impact of the project throughout its implementation.</p>
Partner(s) involved	MR , PDP, UNIBO, IDECO, NP Vransko Lake, RBI, PDC, PLOCE

Deliverables 3.1			
Running number	Deliverable title	Description	Delivery period
D.3.1.1	Activity Plan	The working tools for the management of WP3 are drafted, based on the WBS established within activity 1.1	Period 1 , 1 - 6
D.3.1.2	Minute of meetings	Minutes of the meetings of the PMU subgroup for WP3 are collected to keep track of the progress of the WP activities	Period 5 , 25 - 30

Activity 3.2	
Title	Pilot action: increasing resilience trough hydraulic model and Climate Adaptation Centre in Ravenna
Start period	Period 3, 13 - 18
End period	Period 5, 25 - 30
Description	<p>The pilot action for the Municipality of Ravenna consists of:</p> <p>a) New hydraulic management Optimisation of the hydraulic system and designing of a hydraulic management system for the monitoring of the annual trend and reconstruction of the conditions for the presence of characteristic habitats and species. The hydraulic model will take into account the local water regime analysis, an ecosystem analysis, a climatic analysis and the design of the technical project for the implementation of the identified solutions. The new hydraulic management system is expected to favour the increase of water availability in drought periods and to mitigate the saline wedge and environmental degradation.</p> <p>b) Climate Adaptation Centre The CLAC is intended as an interactive space that will serve as a meeting point where to promote events, knowledge building programmes and networking, and to facilitate the onsite active participation of citizens in common laboratory activities.</p>
Partner(s) involved	MR , PDP

Deliverables 3.2			
Running number	Deliverable title	Description	Delivery period
D.3.2.1	Hydraulic model and Climate Adaptation Centre	Finalisation of the two steps that constitute the pilot action for the LP1, with the definition of a new hydraulic management system and the creation of a Climate Adaptation Centre	Period 5 , 25 - 30

Activity 3.3	
Title	Pilot action: increasing resilience through habitat restoration plan in Vransko lake watershed
Start period	Period 2, 7 - 12
End period	Period 5, 25 - 30
Description	<p>Vransko Lake, with its hydrological, biological, landscape and recreational values, during recent long dry periods, is directly endangered by reduced freshwater inflows and consequent penetration of sea water into the lake system. Agriculture is one of the most important users of space in the area along and around the lake.</p> <p>The restoration of wetland area of Vransko lake is needed for restoring ecosystem functions of water purification considering nutrient load coming from the intensive agriculture in the watershed exerting additional pressure on unstable shallow lake ecosystem.</p> <p>The restoration plan tackles the problem of managing sensitive water bodies under the pressure of climate change as well as the eutrophication, taking into account water use and agricultural production in the whole watershed area. By restoring the ecosystem services of wetland habitats, a great value for the stakeholders can be added by facilitating adaptation of agriculture to climate change in a way that transforms the intensive agriculture to regenerative.</p>
Partner(s) involved	NP Vransko Lake

Deliverables 3.3			
Running number	Deliverable title	Description	Delivery period
D.3.3.1	Habitat restoration Plan in Vransko Lake watershed	Document including the plan of monitoring system, the cost /benefits analysis with ecosystem services values, guidelines for on-ground works, background information and site assessment, definition of vision, goals and outcomes of the restoration and timeframe	Period 5 , 25 - 30

Activity 3.4	
Title	Pilot Action: Mitigation and contrast of climate change impacts in Dune Coastal Park
Start period	Period 2, 7 - 12
End period	Period 5, 25 - 30
Description	On the basis of the monitoring, characterisation of dune habitats and the risks and threats to these habitats carried out through the activities provided for in WP1, the pilot action aims at enhancing the competences of the bodies managing these habitats, through a consultation process in the field of techniques to mitigate and contrast the climate change impacts on coastal ecosystems. In addition, based on the results of this consultation the experts will develop an action plan for the implementation of mitigation project proposals in the coastal area of the Dune Coastal Park. Guidelines will be developed in order to transfer the guidelines to other potential users of the programme area.
Partner(s) involved	PDC

Deliverables 3.4			
Running number	Deliverable title	Description	Delivery period
D.3.4.1	Action plan for the implementation of mitigation measures in Dune Coastal Park	Drafting of the action plan and guidelines for its transfer in other contexts	Period 5 , 25 - 30

Activity 3.5	
Title	Pilot action: increasing resilience trough in Neretva estuary and Ploče
Start period	Period 2, 7 - 12
End period	Period 5, 25 - 30
Description	The pilot action for PP8 involves a series of interventions with a direct expected impact on the reduction of the negative effects of climate change

Activity 3.5	
	<p>on the beaches in the area of the city of Ploče. The foreseen interventions include:</p> <ul style="list-style-type: none"> - Elaboration of the landscape design of the beach in Ploče with a focus on green infrastructure and the preservation of biodiversity (insect houses) - Installation of urban equipment at the estuary of the Neretva River - Implementation of the horticultural landscaping in accordance with the study, through the planting of vegetation and the creation of new green areas to contrast and mitigate the impact of climate change (heat waves in urban areas)
Partner(s) involved	RBI, PLOCE

Deliverables 3.5			
Running number	Deliverable title	Description	Delivery period
D.3.5.1	Pilot action implemented in Neretva estuary and Ploče	Finalisation of the foreseen interventions in and Ploče and Neretva estuary (report and photographic evidence)	Period 5 , 25 - 30

Outputs

Output 3.1	
Output Title	Pilot actions
Programme Output Indicator	RCO84_2.1: Pilot actions developed jointly and implemented in projects
Measurement Unit	pilot actions
Target Value	4,00
Delivery period	Period 5, 25 - 30
Output Description	Implementation of climate-adaptation solutions in the four pilot areas to increase resilience

Investments

Investment 3.1

Title

Hydraulic model and Climate Adaptation Centre

Expected delivery period

Period 5, 25 - 30

Justification

Please explain why this investment is needed.

Water management system

The management of water in the wetlands originating from the Lamone River is completely artificial, due to the damming of the last stretch, separating the watercourse from its peripheral wetlands. The artificial management implemented since then guaranteed for 50 years the conservation of natural heritage and resources taken from the wetlands with activities of hunting, fishing, gathering of marsh grasses for traditional artisanship. In the last 20 years, some effects of climate change, such as sea level rise, drought, rising temperatures, salinisation and lack of good quality freshwater at certain times of the year, have altered the wetland environment, causing the loss of habitats and species, demonstrating that both the hydraulic infrastructure system and the management model are no longer adequate. The proposed intervention originates from over 15 years of studies and assessments on the need to optimise the hydraulic system, with the following purposes:

- withdraw and store fresh water during periods of maximum availability, to use it during dry periods;
- countering the saline wedge;
- keep freshwater inland as long as possible, to reinforce the aquifer and protect natural habitats and agricultural lands.

On the basis of the new hydraulic system, a hydraulic management will be designed tracing the annual trend and reconstituting the conditions for the presence of characteristic and disappeared habitats and, consequently, for the return or resumption of extinct or greatly diminished species.

Climate Adaptation Centre

The CLAC is a concept designed to keep stakeholders engaged and to activate citizens by redesigning the site storytelling, focusing the message on Climate Adaptation and water-linked values. CLAC is a physical and digital space and experience, a collaborative common laboratory based on a simple organisational structure aiming at providing long life to the ACTION climate adaptation solution, thanks to the stakeholders' co-design.

Please clearly describe the cross-border/transnational relevance of the investment.

The environmental issues faced by ACTION are widely diffused in the Mediterranean areas, affecting the coastal cities and coastal territories. The transnational network of ACTION will benefit from the comparison of solutions and results, gaining from the common knowledge building process that will be activated.

Common threats in different areas will be compared and the joint knowledge path will be the baseline for the creation of a joint strategy on climate adaptation thanks to Nature-Based Solutions. In the framework of the common technical strategy, the Municipality of Ravenna will develop a pilot action that will step forward the action plan developed in the framework of the project and activated through the stakeholders' communities in the interested areas.

Citizen activated by the partnership will confront on common problems and different local reactions, influenced by geographical features but also by the awareness level of the communities involved. The investment proposed will stimulate trainings and engagement activities, that will be modelled and made transferable and replicable.

The storytelling narrating the water cycle, designed through the proposed investment (and activity 1.4), and the climate stories will be modelled as well and could be implemented by institutions impacted by similar environmental problems in the Adriatic coasts.

Please describe who is benefiting (e.g. partners, regions, end-users, etc.) from this investment, and in what way.

The main beneficiaries of the investment will be the citizenship that will be engaged and activated to build an awareness path to climate adaptation and activism. The aim is to raise awareness among the community of Ravenna on adaptive measures and proactive behaviour in relation to climate change. Ravenna, through the awareness raising campaign will involve, in particular, students through schools and the CEAS (centre for the Education on Environmental Sustainability of the Municipality of Ravenna).

Climate change adaptation solutions can be efficient only if the local community is involved and concrete actions are taken to engage citizens and to attract new resources: public/private investments on the adoption of the solutions identified by the project. The adaptation centre will positively impact on environmental awareness and education, territorial marketing, climate adaptation and economic sustainability. The local population will benefit from a new equipped room in where digital contents and tools could help the exploration of the project area, scenarios and solutions.

An interactive room that will serve as a meeting point in where to promote events, knowledge building programmes and networking.

The hydraulic model that will be built within the project framework and disseminated in the CLAC will benefit the community of stakeholders technically and institutionally interested in the area:

- farmer associations, fisherman
- regional authorities, managing bodies of the entire natural hydrographic network and of the naturally flowing waters in rivers comprised in its area;
- water management organisations in charge of water governance, drainage and flood control, safeguarding soils from degradation (e.g. land reclamation consortiums);
- regional Natural Parks, committed in nature management and conservation;
- civil associations

In the case of pilot investment, please clarify which problem it tackles, which findings you expect from it, how it can be replicated, and how the experience coming from it will be used for the benefit of the programme area.

The pilot investment aims at tackling the main environmental problems affecting the city territories, mainly droughts, sea level rise and saline wedge. The City of Ravenna is deeply affected by those climate change related issues, along the 36 km of coastline and in its urban and inner lands. The pilot action designed by the MR will foster a new hydraulic management system of an area in which natural areas and agricultural ones are deeply intertwined, designing nature-based solution with the aim to increase water availability in drought periods and therefore mitigate saline wedge and environmental degradation.

The second step of the pilot is dedicated to increase the awareness of the local citizens and ease the creation of an international network that could support climate activism and spread correct adaptation and mitigation behaviour in the population.

The joint action plan developed by the project will benefit the programme area, that shares the environmental problems depicted and could transfer the proposed NBS.

Location of the physical investment	
Country	Italia (IT)
NUTS 2	Emilia-Romagna (ITH5)
NUTS 3	Ravenna (ITH57)
Street House number, Postal code, City	Via don Carlo Sala 7, 48121, Ravenna

Risk associated with the investment

Describe the risk associated with the investment, go/no-go decisions, etc. (if any).

The main risks associated with the investments could be represented by possible delays in the procurement procedures for the purchase of the equipment and for the start of the investment on the infrastructures.

In order to avoid the threat of the delays in the procurement procedures, a longer period of implementation of the activity is foreseen, including "buffer periods" (prolonged time periods for procurement procedures) that would enable the partner to recover potential delays connected to the procurement procedures if necessary, without causing delays in the implementation phase.

Investment documentation

Please list all technical requirements and permissions (e.g. building permits) required for the investment according to the respective national legislation. If these are already available, attach them to this application form, otherwise indicate when you expect them to be available.

No documentation is needed (authorisations nor permits) due to the nature of the proposed investment.

For investments in infrastructure with an expected lifespan of at least five years, please indicate whether an assessment of expected impacts of climate change has been carried out. Should it be necessary, you must be ready to submit this documentation to the relevant programme body/ies.

N/A to the investment.

Ownership

Who owns the site where the investment is located?

The centre is owned by the Municipality of Ravenna.

Who will retain ownership of the investment at the end of the project?

The investments will be owned by the Municipality of Ravenna, owner of the building and promoter of the investment.

Who will take care of the maintenance of the investment? How will this be done?

The investment will be maintained by the MR, in the framework of the overall maintenance of the Municipality's property and assets.

Investment 3.2

Title

Pilot action in Neretva estuary and Ploče

Expected delivery period

Period 5, 25 - 30

Justification

Please explain why this investment is needed.

The negative impact of climate change is visible, that's why it is necessary to prepare a study that will detect all risks and their negative impact, and define an action plan with key steps the City of Ploče should undertake, in its domain of activity, with the aim of mitigating the impact of climate change on humans and nature.

The investment is necessary in order to create the preconditions for the efficient implementation of the project activities, which include nature cleaning actions, education of children and landscaping of the beach, along with the installation of urban equipment. The investment will have a direct impact on reducing the degradation of the coastal area and preserving the natural biodiversity of the estuary of Neretva River. Although it is a partially protected area, tourism has been developing more intensively at the estuary of the river in recent years, negatively affecting the area. Through the proposed investment, the mitigation of the harmful impact of tourism will be directly addressed, in a first step towards the sustainable development of tourism and a more efficient valorisation of the area's natural resources.

Previous projects showed that there is a very good response from the citizens of Ploče to the workshops and nature cleaning actions, that's why some of them have been included in the proposal.

A large number of studies prove that vegetation directly contributes to the mitigating the negative impact of heat waves in urban areas, and that landscaping and the creation of new green areas are necessary, serving the local population and other stakeholders as an example of good practice that can be implemented in other areas and thus have a joint impact on mitigating the negative impact of climate change.

Please clearly describe the cross-border/transnational relevance of the investment.

Cross-border significance is highlighted through the transfer of project results and knowledge. This is an example of good practice that will be possible to apply to a larger number of areas in order to directly contribute to the preservation of the biodiversity of coastal areas and to eliminate the disposal of waste materials on coastal areas. Also, it is expected that the investment will directly show how, with the aim of strengthening resistance to the impact of climate change, education of the population of all age groups, regardless of their characteristics, with an emphasis on the youngest, is necessary. Mass tourism is developing in the Adriatic area and it is expected that the project will contribute to mitigating the negative effects of mass tourism, which are reflected through the waste on the coastal areas. Previous research shows that in order to strengthen the resistance of vegetation to climate change, it is necessary to plant vegetation adapted to a specific locality. By planting autochthonous vegetation, it is possible to reduce the degradation of coastal areas, which is important for the entire Adriatic area. It is expected that the arrangement of the beach in Ploče will serve as an example of good practice that will be possible to be implemented in any other area in Italy or in the Mediterranean with the aim of mitigating the negative effects of heat waves that occur as a result of climate change. The study and action plan are essential in order to identify all the risks that have a negative impact on the area of the Neretva River Delta and the steps needed to mitigate their negative consequences. This is an area of the Adriatic Sea that has similar characteristics, so with minor changes, the solutions from the action plan could be replicated in other programme areas.

Please describe who is benefiting (e.g. partners, regions, end-users, etc.) from this investment, and in what way.

The benefits of this investment are multiple: it has a direct impact on the flora and fauna of the coastal area, since the efforts aimed at environmental protection will directly contribute to the preservation of the biodiversity of the estuary of Neretva River and the city of Ploče. Tourists visiting the estuary area will have the opportunity to adequately dispose of the waste generated during their stay, contributing to creating a higher level of tourist service standards. Children, citizens of the city of Ploče and visitors will benefit directly through education that will direct them to action in the direction of a higher level of environmental protection. Through the arrangement of beaches, the goal is to create an environment that is pleasant to stay in throughout the year, as well as the creation of green areas that will directly affect the mitigation of the impact of heat waves that occur as a result of climate change. The activities of cleaning waste materials from the environment create benefits for flora and fauna, but above all for all visitors to the area who will get beaches suitable for use through the whole year. Through workshops with children, among other things, the plan is to build a hotel for insects, which will directly contribute to the preservation of the fauna of this area and encourage a positive impact on natural biodiversity. The benefits of the study and the action plan are multiple and apply to all stakeholders, since they serve the purpose of identifying risks that have a pronounced impact on the coastal area of the Neretva River Delta, as well as potential solutions that will guide future actions with the aim of increasing the efficiency of environmental protection in the future.

Indirect impacts are multiple and it is possible to emphasize that they will be visible for a long number of years, especially through the transfer of knowledge from people who will be involved in project activities to fellow citizens and other target groups.

In the case of pilot investment, please clarify which problem it tackles, which findings you expect from it, how it can be replicated, and how the experience coming from it will be used for the benefit of the programme area.

Climate change causes the degradation of coastal areas, and therefore it is important to detect all risks that negatively affect the coastal area of the Neretva River, especially for the reason that a large part of the river is within the area of the NATURA 2000 ecological network. In the immediate vicinity there is intensive agriculture, which partly has an influence on the estuary itself. The estuary of Neretva River is an increasingly visited tourist destination that must be protected in order to protect biodiversity of the area. In accordance with the above, it is necessary to adopt an Action Plan in order to define future steps for the protection and reduction of negative impacts resulting from climate change.

It is clear that climate change partly causes the level of rivers and seas to rise, which results in the degradation of coastal areas and increased pollution. As a result, huge amounts of waste arrive from surrounding countries and accumulate at the estuary.

Green infrastructures directly contribute to mitigating the negative consequences of global warming and reduce the negative impact on human health by mitigating the effects of heat waves while significantly contributing to the preservation of biodiversity; one of the interventions within the proposed investment will be landscaping, with the creation of a green belt on the beach in Ploče. In the area of the estuary of Neretva River and the beach in Ploče, there is no adequate urban equipment that will be installed with the investment to actively contribute to the protection of coastal areas.

The project activities and their results will serve as an example of good practice and it will be possible to apply them in other areas with the aim of protecting flora and fauna in the environment of water bodies as efficiently as possible.

Location of the physical investment	
Country	Hrvatska (HR)
NUTS 2	Jadranska Hrvatska (HR03)
NUTS 3	Dubrovačko-neretvanska županija (HR037)
Street House number, Postal code, City	Andrije Kačića Mišića Street 1, 20340, Ploče

Risk associated with the investment

Describe the risk associated with the investment, go/no-go decisions, etc. (if any).

The project investment is low risk; there is no need to gain building permits because the investment is based mostly on horticulture.

There is a small risk connected to the carrying out of public procurement procedures, that may require a longer time if the calls are deserted or the presented offers do not comply with the eligibility requirements.

The weather conditions during the works could also cause some delays but that risk will be considered during the activities planning and definition of dynamic plan.

The risk while organizing a cleaning action can be a small response from volunteers; in order to prevent this, special attention will be paid to the promotion of the project and education of citizens about the importance of nature conservation and the prevention of anthropogenic environmental impact through publications on portals

Investment documentation

Please list all technical requirements and permissions (e.g. building permits) required for the investment according to the respective national legislation. If these are already available, attach them to this application form, otherwise indicate when you expect them to be available.

For the interventions that the City of Ploče plans to implement with this project, related to the arrangement of beaches and equipping with urban equipment, it is not necessary to obtain a building permit. For the landscaping activity of the beach in Ploče, it is necessary to make a Study of landscape, which will define the positions and types of plants and trees and the planned irrigation system. The preparation of the document is planned as one of the project activities. For the installation of urban equipment at the mouth of the Neretva River, the City will inform the Public Institution for Nature Protection in advance. Urban equipment will be largely made of natural materials.

For investments in infrastructure with an expected lifespan of at least five years, please indicate whether an assessment of expected impacts of climate change has been carried out. Should it be necessary, you must be ready to submit this documentation to the relevant programme body/ies.

Considering the type of investment, it is not necessary to carry out an assessment of the impact of the project on the environment and the ecological network because it is a horticultural arrangement of the public area with an emphasis on planting indigenous plants and trees characteristic of the Mediterranean area that requires minimal watering and is easy to maintain. The development of green infrastructure has a significant impact and contribution to adaptation to climate change through a significant contribution to mitigating the effect of heat islands, reducing CO2 emissions, improving the quality of life and health of the population, which is also defined by the Climate Change Adaptation Strategy in the Republic of Croatia for the period up to 2040, with a view to 2070.

Ownership

Who owns the site where the investment is located?

The town of Ploče is the owner of the beach in Ploče, while the mouth of the Neretva River administratively belongs to the City of Ploče and is under its management.

Who will retain ownership of the investment at the end of the project?

The beaches are public areas managed by the City of Ploče and ownership will not change after the completion of the interventions.

Who will take care of the maintenance of the investment? How will this be done?

In accordance with its regular activities and budgetary positions, the City of Ploče maintains public areas in its ownership and for this purpose regularly provides financial resources. Since this is a public area that will be landscaped, the City will hire a company in its ownership that will regularly maintain, nurture and water the plants planted in a public area and also regularly remove the collected waste.

Work package 4

Work package title

Strategies and action plan

Objectives

Your objectives should be:

- realistic and achievable by the end of the project;
- specific (who needs project outputs delivered in this work package, and in which territory);
- measurable – indicate the change you are aiming for.

Define one project specific objective that will be achieved when all activities in this work package are implemented and outputs delivered.

To share the Joint Action Plan and transfer it to the programme area

Think about the communication objective that will contribute to the achievement of the specific objective. Communication objectives aim at changes in a target audience's behaviour, knowledge or belief.

To diffuse actions aimed at increasing resilience and adaptation in the programme area

Target audience: Higher education and research organisations; Education/training centres and schools; Enterprises; SMEs; General public, Local public authority, Regional public authority

Activities

Activity 4.1	
Title	Technical and communication coordination and monitoring WP implementation
Start period	Period 4, 19 - 24
End period	Period 5, 25 - 30
Description	<p>Activity 4.1 includes the monitoring and management tasks of WP4, following the working structure of the Steering Committee (SC) and Project Management Unit (PMU).</p> <p>The subgroup of the PMU for WP4 is coordinated by PP6 and PP2, respectively responsible and vice-responsible partners for the implementation of the activities of the WP. The management unit, coordinated by PP6 and PP2, meets at least 4 times</p>

Activity 4.1	<p>during the WP period: once every three months. Minutes of the meetings are collected to keep track of the progress for its whole duration.</p> <p>The role of the PMU is to ensure the sound implementation of the WP technical, communication and financial activities, in accordance with the approved Application Form. The supporting tools used by the unit in its management role include:</p> <ul style="list-style-type: none"> - Communication Plan developed by the Communication Manager within activity 1.1, in its declination with regard to the specific objectives and target groups of WP4 - The Work Breakdown Structure developed by the Project Manager within activity 1.1, in its specific application to WP4 with regard to the activities' timeline and relevant indicators for the assessment of the impact of the WP <p>The coordinators for the WP4 subgroup of the PMU are in charge of assessing its operational functioning, the coherence of the implemented activities with the approved proposal, its respect of the deadlines for the achievement of the expected outputs and results and the overall impact (with a focus on the socio-economic aspects) in relation to the project objectives. The assessment is carried out periodically, in correspondence with the general PMU meetings, making use of the set of indicators developed by the Project Manager. This modality of internal quality assessment ensures the timely and realistic monitoring of the impact of the project throughout its implementation.</p>
Partner(s) involved	MR , PDP, UNIBO, IDECO, NP Vransko Lake, RBI, PDC, PLOCE

Deliverables 4.1			
Running number	Deliverable title	Description	Delivery period
D.4.1.1	Activity Plan	The working tools for the management of WP4 are drafted, based on the WBS established within activity 1.1	Period 4 , 19 - 24
D.4.1.2	Minute of meetings	Minutes of the meetings of the PMU subgroup for WP4 are collected to keep track of the progress of the WP activities	Period 5 , 25 - 30

Activity 4.2	
Title	Knowledge sharing for coastal resilience Joint Strategy
Start period	Period 4, 19 - 24
End period	Period 5, 25 - 30
Description	<p>Climate change poses challenges that cannot be addressed through one-size-fits-all solutions but must be contextualised. At the same time, solutions identified in one specific territorial context can find partial applications or be adapted to other territories in original ways providing unexpected support, especially in the new field of Nature Based Solutions. The activity promotes the exchange of knowledge, experiences and results, both previous and achieved during the project, to increase the PPs' assets and define a Joint strategy based on Nature Based Solutions to address the threats of climate change. Based on the results of A1.3/A2.2/A2.3 the PPs confront each other to identify best practices and solutions for an approach to increase ecosystem resilience. This activity allows for a definition of the Joint Strategy, and consequently to the design of the Guidelines for strategy implementation with A 4.3. The Joint Strategy will take particular care in investigating the benefits of the implementation of Nature Based Solution not only directly on the territories threatened but considering the implementation at river basin scale as the approach of the Water frame Directive. The activity also includes the evaluation of the effectiveness of the awareness-raising campaign implemented. To this end, questionnaires will be drawn up for different target groups and the results analysed in order to evaluate specific communication methods to be included in the Plan.</p>
Partner(s) involved	MR , PDP, UNIBO, IDECO, NP Vransko Lake, RBI, PDC, PLOCE

Deliverables 4.2			
Running number	Deliverable title	Description	Delivery period
D.4.2.1	Joint Strategy	A document defining the PPs Joint Strategy analysing best practices, Nature Based Solutions to develop an innovative approach to increase ecosystem resilience and address climate change.	Period 5 , 25 - 30
D.4.2.2	Awareness campaign impact assessment report	Document describing the evaluation of results on the impact of communication and awareness-raising actions	Period 5 , 25 - 30

Activity 4.3	
Title	Joint actions for the coastal resilience Strategy implementation
Start period	Period 5, 25 - 30
End period	Period 5, 25 - 30
Description	<p>The Joint Strategy developed by the A 4.2 has the aim to increase resilience of the territories to climate change threats through the use of Nature Based Solutions applied not only to the pilot areas but at a higher scale. The investigation scale will be appropriate for each territory considering river basin and/or subbasin and in general using an Ecosystem Based Management approach. The investigation will allow to define how to implement the strategy to the specific pilot areas. The investigation will take care also of the temporal scale of application, considering therefore if the Nature Based Solution will be effective immediately or evaluating the timespan in which they will become effective. Editorial coordination will be carried out by PP4 with contributions from all PPs and continuous content sharing.</p>
Partner(s) involved	MR , PDP, UNIBO, IDECO, NP Vransko Lake, RBI, PDC, PLOCE

Deliverables 4.3			
Running number	Deliverable title	Description	Delivery period
D.4.3.1	Joint actions for the strategy implementation to increase resilience	The joint actions will describe the cross-border different threats and solutions and they will contain the spatial and temporal scale of implementation	Period 5 , 25 - 30

Activity 4.4	
Title	Transferability plan into programme area
Start period	Period 5, 25 - 30
End period	Period 5, 25 - 30
Description	PP4, with inputs from all PPs, defines a transfer plan for the Action Plan at programme area level, identifying possible stakeholders and transfer modalities. PP2 organises an international conference to share the contents of the Plan and discuss the transfer modalities. The conference will be mainly addressed to Local public authorities, Regional public authorities, Research Authorities and Protected Area Management Authorities.
Partner(s) involved	MR , PDP, UNIBO, IDECO, NP Vransko Lake, RBI, PDC, PLOCE

Deliverables 4.4			
Running number	Deliverable title	Description	Delivery period
D.4.4.1	Report on transferability plan in other areas of the programme	Document defining potential subjects and modalities for the transfer of the Action Plan developed within activity 4.3	Period 5 , 25 - 30
D.4.4.2	International Event	Report of the event including attendance list, presentations from the speakers and photographic evidence	Period 5 , 25 - 30

Outputs

Output 4.1	
Output Title	Joint Strategy for coastal resilience
Programme Output Indicator	RC083_2.1: Strategies and action plans jointly developed
Measurement Unit	strategy/action plan
Target Value	1,00
Delivery period	Period 5, 25 - 30
Output Description	Joint Strategy developed to increase the resilience of the territories to the climate change threats through the use of Nature Based Solutions applied not only to the pilot areas but a higher scale.

Investments

C.5 Project Results

What do you expect to change because of the activities you plan to implement and the outputs you plan to deliver? Please take a look at the programme result indicators and select those that you will contribute to.

Result 1	
Programme result indicator	RCR81_2.1: Completion of joint training schemes
Measurement unit	participants
Baseline	0,00
Target value	15,00
Delivery period	Period 5, 25 - 30
Result description	No. 15 secondary school students and teachers, from the different cross-border Project areas, completing the joint training schemes. This will not only increase the knowledge on climate change but also create a sharing platform for the development of joint projects between the student groups involved. Participation and completion of the training will be monitored and recorded by the training organisers through an attendance register and a certificate of attendance will be issued on completion.
Result 2	
Programme result indicator	RCR79_2.1: Joint strategies and action plans taken up by organisations
Measurement unit	joint strategy/action plan
Baseline	0,00
Target value	1,00
Delivery period	Period 5, 25 - 30
Result description	ACTION will analyse the risks on the pilot areas in terms of current ecosystem services useful for the minimisation of the effects of sea level rise and saltwater intrusion, as well as the means to increase them and identify common and shared actions based on the NBS principle. Thus, the guiding principle for increasing resilience will be the ecosystem-based management (EBM). EBM aims at maintaining the ecosystem structure and functions

Result 2	
	<p>while preserving and/or increasing the services produced over time. The experience of the project is systematised by sharing the identified solutions among the partnership and by developing and starting the implementation of a joint strategy for the transferability of the shared methods and solutions to other territories of the programme area. The Joint Strategy will be adopted by all the 4 PPs and its implementation of the joint strategy will continue beyond the end of the project and tools will be developed to monitor its effectiveness.</p>

C.6 Project Time Plan

	Period 1	Period 2	Period 3	Period 4	Period 5	After End
WP1 Analysis of Pilot areas	[Orange bar spanning Period 1 to Period 4]					
A1.1 A.1.1 Kick-off event and project st...	D1.1.1 D1.1.2 D1.1.3 D1.1.4	[Orange bar spanning Period 2 to Period 3]		D1.1.5		
A1.2 Pilot areas characterization	[Orange bar in Period 1]	D1.2.1				
A1.3 Identification of hazards and thre...		[Orange bar in Period 2]	D1.3.1 D1.3.2			
A1.4 Scenarios and assessment of the eff...		[Orange bar in Period 2]	D1.4.1 D1.4.2			
A1.5 Resident population awareness raisi...		[Orange bar in Period 2]	D1.5.1 D1.5.2			
RCO115_2.1				O1.1		
WP2 Identification of Nature Based Solution...	[Dark blue bar spanning Period 1 to Period 5]					
A2.1 Technical and communication coordina...	D2.1.1	[Dark blue bar spanning Period 2 to Period 4]			D2.1.2	
A2.2 Capitalization	[Dark blue bar in Period 1]	D2.2.1				
A2.3 Identification of ecosystem service...		[Dark blue bar spanning Period 2 to Period 3]		D2.3.1		
A2.4 Awareness raising on the benefits o...		D2.4.2 D2.4.4	[Dark blue bar spanning Period 3 to Period 4]		D2.4.1 D2.4.3	
A2.5 Awareness raising activities on the...		[Dark blue bar spanning Period 2 to Period 3]		D2.5.1 D2.5.2	D2.5.3	
RCO115_2.1					O2.2	

RCO85_2.1					O2.1
WP3 Increasing resilience					
A3.1 Technical and communication coordina...	D3.1.1				D3.1.2
A3.2 Pilot action: increasing resilience...					D3.2.1
A3.3 Pilot action: increasing resilience...					D3.3.1
A3.4 Pilot Action: Mitigation and contra...					D3.4.1
A3.5 Pilot action: increasing resilience...					D3.5.1
RCO84_2.1					O3.1
WP4 Strategies and action plan					
A4.1 Technical and communication coordina...				D4.1.1	D4.1.2
A4.2 Knowledge sharing for coastal resil...					D4.2.1
					D4.2.2
A4.3 Joint actions for the coastal resil...					D4.3.1
A4.4 Transferability plan into programme...					D4.4.1
					D4.4.2
RCO83_2.1					O4.1
Result indicator					
RCR79_2.1					R2
RCR81_2.1					R1

C.7 Project management

In addition to the thematic work you will do in your project, you will need time and resources for coordination and internal communication. Please describe below how you plan to organise yourself to ensure the project work runs smoothly.

C.7.1 How will you coordinate your project?

Who will be responsible for coordination? Will you have any other management structures (e.g., thematic groups, WP managers)? How will the internal communication work?

LP Municipality of Ravenna is responsible for the overall management of the project and coordination of the activities with the support of PP4 IDECO – local coordinator for the Italian side and responsible for the financial and communication activities at project level, and of PP6 RBI – local coordinator for the Croatian side. The technical references of these three partners will be in continuous contact, meeting via web call at least once per month, in order to ensure the sound implementation of the activities in line with the time schedule. Furthermore, the coordination role of the LP, PP4 and PP6 consists also in the proper flow of information between the two monitoring and management bodies.

The two bodies to be set up at the beginning of the project (WP1) are:

- Decisional body (Steering Committee) – formalised through the identification of one representative per partner. The body has a decision-making and coordination role for the partnership; it meets at least once per semester to deliberate on the implementation of the project and ensure the correct progress of the activities. The composition and functions of the Steering Committee are detailed in the Partnership Agreement, signed by all partners before the beginning of the activities. At least 5 Steering Committee meetings will be organised during the project (one per project period), the first one within the first trimester in correspondence with the kick-off meeting, and the third one in correspondence with the mid-term review meeting.

- Management body (Project Management Unit) - set up through the identification of three figures per partner: a technical reference, a communication reference and an administrative/financial reference. The management body is coordinated by the Project Manager (LP) and is divided into four subgroups – one per WP; the work of each subgroup is coordinated by the technical and communication responsables of the specific WP (as specified in the description of the WPs – section C.4 – every partner is either responsible or vice-responsible for the implementation of at least a WP). Specifically, PP3 UNIBO is responsible for the implementation of WP1 while PP8 Ploče is the vice-responsible, PP4 IDECO and PP7 PDC are respectively responsible and vice-responsible for WP2, LP1 MR and PP5 NP Vransko Lake are responsible and vice-responsible for WP3 and WP4 is coordinated by PP6 RBI (responsible) and PP2 Delta Po Park (vice-responsible). The Project Management Unit meets at least once every three months, and whenever needed throughout the implementation of the project activities.

The Coordination Unit formed by the Project Manager (LP) and the two representatives of PP4 (Financial Manager and Communication Manager for the project) and PP6, participates in the meetings of the Management Body to check its progress and to coordinate its work, and reports the information to the Steering Committee every six months.

C.7.2 Which measures will you take to ensure quality in your project?

Describe specific approaches and processes and responsible partners. If you plan to have any type of project evaluation, please describe its purpose and scope here.

During the first trimester of the project, a set of tools will be developed by the Project Management Unit and shared with the partnership for the sound implementation of the project activities. The Work Breakdown Structure (WBS), corresponding to the Evaluation Plan, will be drafted based on the approved Application Form, including the timeline for the project activities and achievement of the expected results and deliverables, a budget tool for the monitoring of the expenditure level, and a set of indicators for the assessment of the impact of the project activities and results.

One of the core principles for the quality management of the project is the assignment of responsibilities for the implementation of the single WPs to different partners. The overall quality of the carrying out of the activities and of the deliverables produced, of the use of resources and communication activities is internally assessed through periodic meetings where the responsible and vice-responsible partners of each WP are asked to provide an evaluation of the activities carried out up to that moment and of the activities to come. The WBS serves as the reference tool for the periodic assessment and is contextually updated by the responsible partners.

A risk analysis is carried out, that will help to predict issues that could delay or hinder project activities. A good risk management strategy is essential for good project management.

Measures will be put in place to ensure compliance with Green Public Procurement (Dir. 2004/17/EC, 2004/2018/EC and amendments) in tendering procedures for goods and services.

All partners have already participated in EU-funded projects and have experience in the technical and financial management.

C.7.3 What will be the general approach you will follow to communicate about your project?

Who will coordinate project communication and how will he/she ensure the involvement of all partners? How will the communication function contribute to transfer your project results? Please note that all communication activities should be included in the work packages, as an integral part of your project. There is no need to repeat this information here.

PP4 – IDECO is responsible for the coordination at project level of the communication activities.

Every partner identifies internally a communication responsible as detailed in C.7.1 participating in the specific WP meetings of the management body and reporting/monitoring on the implementation of the foreseen communication activities envisaged for every project WP. The creation of working communication group ensures the coherence of the communication approach of the project and the enhancement of the single contributes of the partners.

Every WP is structured around one or more communication objectives, whose achievement is connected to the implementation of a series of communication activities.

At the beginning of the project a specific Communication Plan (D.1.1.2) will be drafted as a transversal tool to be used by all partners through the definition of the objectives, modalities and timeline of the communication activities. The aim of the Communication Plan is to set out a general framework for the management and coordination of the communication activities to be implemented during the project period, in particular through the definition of the objectives that ensure the wider possible visibility to the programme and to ACTION, as well as the most effective involvement strategies for the target audience on the project topics. The Communication Plan will be approved by the Steering Committee.

The communication strategies are delineated in relation to the specific targets of the communication activities, identified in:

- local population/citizens
- local, regional, national authorities
- academic and education institutions
- research centres
- private companies
- civil protection bodies and emergency services
- civil society organisations
- students
- operators/managers of coastal area sites

The role of the Communication Manager is to coordinate the communication activities at project level, draft the Communication Plan and share it with the partnership, ensure the sound implementation of the activities (with reference to the WBS) and achievement of the expected targets, coordinate the production of communication materials and the contents to be disseminated both via printed publications and project social media pages. The CM also updates on a regular basis the website provided by the Programme, with information on the project results.

C.7.4 How do you foresee the financial management of the project and reporting procedures for activities and budget (within the partnership and towards the programme)?

Define responsibilities, deadlines in financial flows, reporting flows, project related transfers, reclaims, etc.

The LP is responsible for the coordination at project level of the financial management activities; as a Lead Partner the Municipality of Ravenna has the responsibility of ensuring the coherence of the expenditure of all partners with respect to the programme and to the agreed project activities. The LP is responsible also for the verification of the correct and timely transfer of funds to the project partners.

Each partner appoints an administrative/financial responsible at the beginning of the project, involved in the financial reporting activity.

The financial management structure includes the financial responsables of all partners, and is coordinated by the LP with the support, as a Financial Manager, of PP4. The role of the financial management structure includes the verification of the eligibility of the expenditures, the compliance of the expenditures with the foreseen budget in the approved Application Form, the correct storage and archival of the supporting documents to ensure the traceability of expenditures reported on the project.

The Partnership Agreement, signed before the start of the project period, will contain indications agreed by all partners on the updating frequency for the internal reporting procedure on both the technical and financial activities.

The Financial Manager of the project also ensures the exchange of information with the JS PM and collects and assesses potential needs for minor budget adjustments that may arise during the project duration. Further functions of the Financial Manager include the provision of templates for the reporting of expenditure, the support to all partners in the verification of the correctness of the procedures and the monitoring of the expenditure level, performed on a trimestral basis through the WBS.

C.7.5 Cooperation criteria

Please select all cooperation criteria that apply to your project and describe how you will fulfil them.

Cooperation criteria		Description
Joint development	Yes	The partnership developed the project jointly, with contributions from all partners provided via preliminary exchanges and web meetings that led to the construction of the project proposals. The inclusion of contributions from all partners in the development of the project proposal ensures the identification of common objectives, the planning of realistic and context-relevant activities and results, as well as the appropriate sharing of responsibilities.
Joint implementation	Yes	The partnership implements the project activities jointly, under the coordination of the Lead Partner. The cooperation during the implementation phase occurs at different levels and in different activities: tasks are divided among partners and different WPs have a different responsible and vice-responsible partner, covering all 8. This ensures the active involvement of all partners in the implementation of the activities and the needed collaboration among them during all the phases of the implementation. The cross-border activities of training for students, the transnational mapping of threats/risks and of the ecosystem services of coastal areas, as well as the development of an Action Plan at programme level, further consolidate the joint nature of the implementation phase.
Joint staffing	Yes	The staff of all partners will work alongside for the achievement of the expected project results and objectives; a continuous exchange of information between the different working groups will be ensured throughout the project duration – as detailed in the previous sections – to ensure the sound collaboration of the teams. Specific personnel will be assigned to the project by each partner to fulfil different tasks in the most efficient way.
Joint financing	Yes	A project budget has been defined during the drafting of the project proposal, allocated among partners in accordance with the specific activities they are responsible for. The joint financial contribution derives from the common activities/deliverables that will be implemented by the different partners throughout the implementation of the project.

C.7.6 Horizontal principles

Please indicate which type of contribution to horizontal principles applies to the project, and justify your choice.

Horizontal principles	Type of contribution	Description of contribution
Sustainable development	positive effects	<p>A positive contribution to sustainable development stems both from the nature of some of the project activities and from management arrangements of the partnership. With regard to the project activities, one of the main objectives of the project is the long-term sustainable management of coastal areas, to be achieved through awareness raising activities, the collection of best practices on adaptation strategies, the development of a report for the increase of the coastal areas resilience and the drafting of a joint action plan.</p> <p>In terms of positive spill out from the management of the project, arrangements proposed by the partnership include:</p> <ul style="list-style-type: none"> - Organisation of meetings via web platform to reduce the need for travelling to the project sites - Organisation of core meetings (SCs) in correspondence with other visits to the project sites and with the midterm review to limit the overall number of travels - Insertion of GPP – whenever applicable - in the requirements for tendering procedures of the activities that are externalised for the partners - Publications implemented on FSC certified paper
Equal opportunities and non-discrimination	positive effects	<p>In terms of positive effects from the management of the project, the working team will be composed of people from different genders and backgrounds. The procedures implemented for the entrustment of services will ensure the lack of discrimination of the sub-contractors.</p>
Equality between men and women	positive effects	<p>A positive effect on the principle of equality between women and men is expected as gender will not be a factor in the participation to the project activities. Among the indicators identified at the beginning of the project for the assessment of the project impact, in particular of the socio-economic impact of the project, a specific indicator on gender balance will be included with reference to the target groups identified by the project. The equal participation and opportunity of voicing everyone's needs will be encouraged before the implementation of the meetings and will be assessed at the end of the project.</p>

C.8 Long-term plans

As a programme, we would like to support projects that have a long-lasting effect in the territory and those who will benefit from them. Please describe below what you will do to ensure this.

C.8.1 Ownership

Please describe who will ensure the financial and institutional support for the outputs/deliverables developed by the project (e.g., tools), and explain how these outputs/deliverables will be integrated in the work of the institutions.

It is specified below for each deliverable who will provide financial and institutional support and how they will be integrated into the work of the partners' organisations:

D.1.4.2 Tools for the awareness raising: the tools made that also have an educational purpose remain property of the PPs who made them. They will be used after the project term to continue to raise awareness among stakeholders

D.2.4.2 Didactic kit: Educational materials made by PP4 are handed over to PPs who become owners and can use them even after the end of the project

D.3.2.1 Hydraulic model and Climate Adaptation Centre: the centre is owned by the Municipality of Ravenna. The investment will be owned by the Municipality of Ravenna, owner of the building and promoter of the investment. The implemented interventions will be maintained by the MR, in the framework of the overall maintenance of the Municipality's property and assets

D.3.3.1 Habitat restoration Plan in Vransko Lake watershed: The project is owned by the park, which will implement it after the project ends.

D.3.4.1 Action plan for the implementation of mitigation measures in Dune Coastal Park: The Plan that identifies specific measures and interventions is owned by the park, which will implement it in the pilot area after the end of the project

D.3.5.1 Pilot action in Neretva estuary and Ploče:

The town of Ploče is the owner of the beach in Ploče, while the mouth of the Neretva River administratively belongs to the City of Ploče and is under its management. The beaches are public areas managed by the City of Ploče and ownership will not change after the completion of the interventions. In accordance with its regular activities and budgetary positions, the City of Ploče maintains public areas in its ownership and for this purpose regularly provides financial resources.

D.4.3.1 Joint Action Plan to increase resilience: The Action Plan is owned by all PPs who will use it to implement it and transfer it to other territories

D.4.4.1 Report on transferability plan in other areas of the programme: The Transfer Plan is owned by the PPs who will use it to transfer it even in the period after the project ends

C.8.2 Durability

Some outputs/deliverables should be used by relevant groups (project partners or others) after the project's lifetime, in order to have a lasting effect on the territory and the population. For example, new practices in urban transport need to be used by local authorities to have cleaner air in the city, and the whole population will benefit from this. Please describe how your outputs/deliverables will be used after the project ends and by whom.

The tools (storytelling, dioramas, e-books, educational paths) that have been created through the project will continue to be used by all PPS owners to further develop the awareness campaign and increase knowledge and awareness of the effects of climate change.

The hydraulic model made by LP MR will be used to effectively develop and plan projects to restore the pilot area through nature-based solution. The projects will be implemented using regional ERDF funds or LIFE funds.

The Climate Centre will continue to be the venue for stakeholders' involvement through activities and events to be organized by the LP and PP2 after the conclusion of the project.

The habitat restoration Vransko Lake project will be implemented with other European, national or regional funds.

The Coastal Dunes Park Action Plan will also be implemented through regional ERDF funds or LIFE funds subsequent to the conclusion of ACTION.

The Action Plan will be implemented by all PPs and will continue to be transferred to other coastal areas that share the same threats as the project areas.

C.8.3 Transferability

Some outputs/deliverables that you will deliver could be adapted or further developed to be used by other target groups or in other territories. What will you do to make sure that relevant groups are aware of your outputs/deliverables and are able to use them?

The project dedicates activity A 4.4 to the transferability of the Joint Action Plan and sees the involvement of all partners.

To make the transferability in activity A 4.4 more effective, a plan is also defined that identifies potential actors interested in its contents. The LP will promote the approval of the Plan to the Regions Emilia-Romagna and Apulia (IT) and the Adriatic Coast (HR).

The technical-scientific reports prepared on the assessment of threats and on the identification of the benefits of ecosystem services will be transferred by the partnership to the relevant actors: protected area managers and research institutions. Educational materials may also be transferred to natural parks in the programme area that are interested in conducting educational activities on climate change.