

## UfM Task Force on Environment

# MedCoast4BlueGrowth (MC4BG)

Davide STRANGIS, Executive Secretary  
CPMR - Intermediterranean Commission

Barcelona, 13 November 2018  
Union for the Mediterranean Secretariat

## Outline of the presentation

- MC4BG – UfM labelled project: framework & partnership
- CO-EVOLVE (MED Interreg): the backbone of MC4BG
- MC4BG Architecture
- Overview on current and future pilot areas/actions



CPMR INTERMEDITERRANEAN  
COMMISSION



CPMR  
CRPM

## «Med Coast for Blue Growth» (MC4BG) – GENERAL INFORMATION (1/2)

*“Common approaches and planning tools to boost sustainable coastal and maritime tourism in the Mediterranean”*

Officially labelled by  
the 43 UfM countries,  
Senior Officials Meeting held  
on the 11<sup>th</sup> of December 2017

### Sustainable tourism-driven and oriented action plans:

- Demonstrating the feasibility and effectiveness of a **planning process** on Pilot Areas following ICZM/MSP principles
- Showing the importance of local **stakeholder's engagement** on key issues for sustainable coastal tourism development.
- Preparing for the implementation of **concrete pilot actions**, such as for examples recovery of beach dunes, dredging with sediment reuse for nourishment, lodging prototypes, differentiated and de-seasonal touristic offer, etc.



Union pour la Méditerranée  
Union for the Mediterranean  
الإتحاد من أجل المتوسط



Creating conditions for safety, protection, wellness and sustainability-oriented development of the Mediterranean coastal areas <http://ufmsecretariat.org/project/medcoast4bg-med-coasts-blue-growth/>

MedCoast4BG – Med Coasts for Blue Growth

Water & Environment



CPMR  
CRPM

UfM Task Force on Environment, Barcelona, 13 November 2018



A UfM labelled project

Union pour la Méditerranée  
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«Med Coast for Blue Growth» (MC4BG) – GENERAL INFORMATION (2/2)

“Common approaches and planning tools to boost sustainable coastal and maritime tourism in the Mediterranean”

It responds to the priorities of the Union for the Mediterranean: UfM Ministerial on Environment and Climate Change (2014) and UfM Ministerial on Blue Economy (2015), namely the use of maritime spatial planning as a governance tool, mobilizing efforts towards adaptation to the impacts of climate change, and referring to coastal and maritime tourism among the main traditional and emerging economic sectors for the Blue Economy in the Mediterranean Sea.

“MC4BG” involves the whole CO-EVOLVE partnership and is directed to coastal areas in the South & East Med and in the Balkan area

MC4BG UfM labelled led by CPMR-IMC

“Co-Evolve4BG” involves CO-EVOLVE partners + Pilot Areas and partners from Tunisia & Lebanon

“CO-EVOLVE” involves partners of the EU Mediterranean area, from West to East

Co-Evolve4BG ENI-CBC-MED submitted LP: INSTM Tunisia

CO-EVOLVE Interreg MED financed LP: REMTH (GR)

3 M€ 2018-2020 Labelled 11<sup>th</sup> December 2017 ongoing

2,9 M€ (2019-2021)? Submitted 25<sup>th</sup> January 2018

3 M€ 2016-2019 2 M€ Co-funding MC4BG approx. - Ongoing

Muses (H2020) & future complementary projects/funding



## «Med Coast for Blue Growth» (MC4BG) – PARTNERSHIP (current state of play)

### EU-MED PROMOTING PARTNERS

- **ITALY**
  - Region Emilia Romagna
  - Institute of Marine Sciences - National Research Council (ISMAR)
  - IUAV (Venice University)
  - Po Delta Park Veneto Region
  - Lazio Region
- **GREECE**
  - Region of East Macedonia and Thrace - REMTH
  - University of Thessaly
  - Region of Crete
- **CROATIA**
  - PAP RAC (UNEP MAP)
  - Dubrovnik Neretva Regional Development Agency (DUNEA)
  - Public Institution for Coordination and Development of Split Dalmatia County (RERA SD)
- **FRANCE**
  - Conseil General de l'Hérault
  - CPMR Intermediterranean Commission (Lead promoter)
- **SPAIN**
  - Foundation Valencia Port
  - University of Murcia and Region of Murcia

### NON-EU MED PARTNERS

- **TUNISIA**
  - National Institute of Marine Sciences and Technologies (INSTM)
  - National Agency for Environmental Protection (ANPE)
  - Agency for Coastal Protection and Planning (APAL)
  - Monastir and Sousse Regions
  - Office National du Tourisme Tunisien (ONTT)
  - National Engineering School of Tunis (ENIT)
  - DGFIOP
  - Regional Activity Centre for Specially Protected Areas
- **MOROCCO**
  - Ministry for Tourism
  - Region of L'Oriental & other authorities/actors to be defined at national/regional/local level
- **LEBANON**
  - Ministry of Works and Public Transport & Ministry of Environment
  - AL MIDAN NGO
  - AMWAJ NGO
  - BFCTH
- **MONTENEGRO**
  - Ministry of Sustainable Development and Tourism
  - Other authorities/actors to be defined at national/regional/local level

## MC4BG: FRAMEWORK FOR SYNERGIES

### ➤ BOLOGNA CHARTER ON ADAPTATION TO CLIMATE CHANGE IN COASTAL AREAS



### ➤ EMERGING STRATEGIES AND INITIATIVES: EUSAIR, BLUEMED, WESTMED...





# The Bologna Charter Initiative

[www.bolognacharter.eu](http://www.bolognacharter.eu)

Charter of the Mediterranean **Regions & local Administrations** for the promotion of a **common framework** for **strategic actions** aimed at the **protection** and **sustainable development** of the Mediterranean **coastal areas**.

*A joint initiative, started by EU Regions and open to other coastal Administrations of the Southern & Eastern Mediterranean, performing concrete objectives, even structural ones, able to attain diversified funding resources with a high capacity of mainstreaming.*





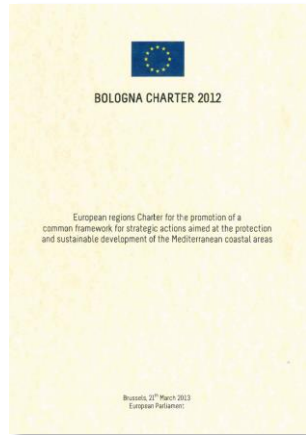
# BC' main areas of cooperation & intervention

1. **Network of Coastal Observatories** for the monitoring, management of risks and erosion phenomena, defense interventions & sediment stocks management;
2. **Survey of the erosion status and trends & flood hazard** suitable for territorial planning and adaptation measures;
3. **Sustainable use of strategic resources:** the coastal territory (to face the “littoralization” process) and coastal & submarine stocks of sediments (to face erosion and Climate Change impacts, favoring new market potentials at Med level);
4. **Integrated territorial planning & application of ICZM/MSP principles** for the sustainable development of coasts, landscape, environment and ecosystem protection, coastal adaptation & risk adaptation;
5. **Structural works along Med coasts** consistent with integrated planning processes, for the implementation of an adaptation policy to the natural & anthropogenic risks
6. **Project-clustering** for synergies and capitalization

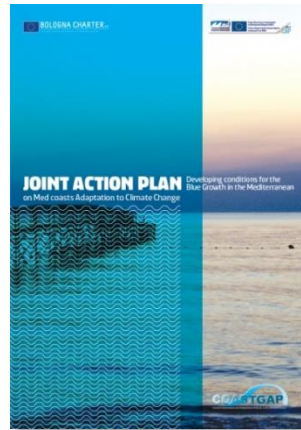




## Policy Document



## Joint Action Plan (JAP): a “rolling” document



1<sup>st</sup> Revision 2015  
2<sup>nd</sup> Revision ongoing

Concrete actions & projects

[www.bolognacharter.eu/the-joint-action-plan](http://www.bolognacharter.eu/the-joint-action-plan)



Acknowledged by the INTERREG MED Operational Program 2014-2020

**1.1.1.4 Assessment of challenges and needs for the Programme** – [...] Common challenges for Mediterranean coastal areas are listed in the Bologna Charter that highlights especially the risks related to climate change effects, urban pressure and the necessity to better promote cooperation between regional partners. **2.A.4 Investment priority 6.d** – [...] The resolution of the Bologna Charter and especially the need to improve the cooperation between regional partners in Mediterranean coastal areas will be considered.

Acknowledged by the WEST MED strategy initiative FRAMEWORK FOR ACTION SWD(2017) 130 final

**3.2 Maritime and marine knowledge (data gaps, data analysis and sharing)** – Bologna Charter jointly with BLUEMED initiative - **Action:** Maintain updated data/information on **erosion phenomena and coastal risks** by harmonizing and expanding the coastline monitoring systems for basin scale R&I activities – **Expected Results:** Jointly develop robust and shared strategies and tools for assisting **Adaptation to Climate Change in the Mediterranean region.**



# BC - JOINT ACTION PLAN on Med coasts adaptation to climate change

## Network, Studies, Integrated Planning Research & Innovation

Strategic Theme 1	Joint Actions
Developing Knowledge, network-based monitoring and Data Management systems	<p>1.1 Build a network of coastal Observatories</p> <p>1.2 Survey erosion status and flood hazards on Med coasts</p> <p>1.3 Research on coastal and off-shore sediments stocks</p> <p>1.4 Build a Med Interoperable SDI for coastal data</p>
Strategic Theme 2	Joint Actions
Sustainable use of strategic resources for the Blue Growth	<p>2.1 Governance and sustainable use of the coastal spaces</p> <p>2.2 Promote the sustainable use of sediments stocks</p>
Strategic Theme 3	Joint Actions
Supporting Research Innovation Clusters and Implementation	<p>3.1 Foster project clustering initiatives</p> <p>3.2 Foster innovation in coastal protection and adaptation</p> <p>3.3 Interaction with EU Research Program (H2020)</p>
Strategic Theme 4	Joint Actions
Responding to the Challenge driven by Climate Change (Major Coastal Projects)	<p>4.1 Supporting the design of structural coastal works</p> <p>4.2 Foster adaptive management solutions and structural works to enhance the resilience of coastal systems</p> <p>4.3 Individuation, access, efficient use of funding sources</p>



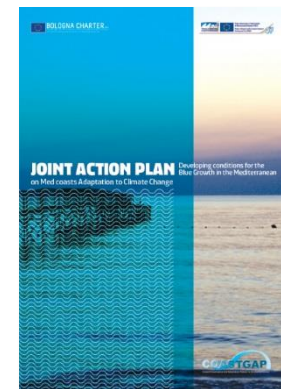
*Developing conditions for the Blue Growth in the Mediterranean*

- **Increase cross-border cooperation** between EU countries, through the strengthening of the role and cooperation between coastal Regions and Administrations
- **Increase coordination** between Administrations in each Country, vertical and horizontal
- **Protect the environment** through early identification of impacts and opportunities for multiple use of space
- **Encourage investment in research and innovation** and new jobs creations in the field of coastal protection, coast - marine monitoring and adaptation to climate change
- **Encourage investment in interventions** for coast-marine environment protection, creating conditions for the safety and the sustainable development in the Med space

> Major Coastal projects

> Monitoring infrastructures and Management Plans

**+ than 500 M€  
in 6-7 years  
2015-2022  
for coastal  
interventions  
1<sup>st</sup> phase**



# The BLUEMED Strategic Research and Innovation Agenda (BLUEMED SRIA)

- ✓ Provides the key tool to develop the BLUEMED Initiative.
- ✓ Outlines a set of **key challenges** for the Mediterranean, **knowledge gaps**, **specific activities** enabling the blue growth as well as measures for capacity creation and skills' enhancement.
- ✓ Includes different sectors of interest like ecosystems, climate change, biotechnologies, aquaculture, fisheries, tourism, shipbuilding, transportation, observing systems, data, off-shore platforms, cultural heritage, spatial planning.
  - ✓ Targets relevant research and innovation players and public and private stakeholders, non-governmental organizations and the general public.

## Key enabling knowledge for the Mediterranean

- *Mediterranean Sea ecosystems: services, resources, vulnerability and resilience to natural and anthropogenic pressures*
- *Mediterranean Sea dynamics: developing services in the field of sustainable adaptation and to climate change and plans for mitigation;*
- *Hazards and protection of coastal areas in the Mediterranean*

## Key sectorial enablers in the Mediterranean

- *Innovative business based on marine bio-resources in the Mediterranean*
- *Ecosystem-based management of Mediterranean aquaculture and fisheries*
- *Sustainable tourism in the Mediterranean*
- *Maritime clusters in the Mediterranean*
- *Maritime Spatial Planning & Integrated Coastal Zone Management in the Mediterranean*

## Enabling technology and capacity creation for the Mediterranean

- *Smart, greener maritime transport and facilities in the Mediterranean*
- *Observing systems and operational oceanography capacities in the Mediterranean*
- *Multi-purpose off-shore platforms in the Mediterranean*
- *Marine and costal cultural heritage in the Mediterranean: discovering, protecting and valuing*



[http://www.bluemed-initiative.eu/wp-content/uploads/2017/09/BLUEMED-SRIA\\_Update\\_final.pdf](http://www.bluemed-initiative.eu/wp-content/uploads/2017/09/BLUEMED-SRIA_Update_final.pdf)



# The BLUEMED SRIA ongoing update process: Sustainable tourism and cultural heritage in the Mediterranean

## *ECONOMY PILLAR*

### *CHALLENGE C. Sustainable tourism and cultural heritage in the Mediterranean*

- GOAL C1. Linking tourism, tourists and environment
- GOAL C2. Developing smart infrastructures, technologies and dedicated

### *CHALLENGE E. Governance of maritime space and marine resources in the Mediterranean*

- GOAL E2. Effective maritime spatial planning in the Mediterranean

## *TECHNOLOGY PILLAR*

### *CHALLENGE D. MARINE AND COASTAL NATURAL AND CULTURAL HERITAGE IN THE MEDITERRANEAN: DISCOVERING, PROTECTING AND VALUING*

- GOAL D1. Increase the economic impact of the Mediterranean's natural and cultural heritage



# BLUEMED Call for Applications for STRATEGIC START-UP ACTIONS

**Goal:** to conduct leading up to a **feasibility, foresight or pilot study** through a series (3) of meetings/workshops on topics that are **crucial to the future of Blue Growth in the Mediterranean**

**Targeted Applicants:** entities active in fields related to blue growth and blue economy (e.g. Marine/Maritime Institutes, University Departments, Research Centres, NGOs, local or regional entities, SMEs, etc.)

**Budget:** Selected partnerships will receive up to **32,000 Euros** each – covering costs of organisation of 3 meetings, travel & subsistence of participants and dissemination materials



## Proposals ranked 1-4 (winners, with pending Partnership Agreement)

- SEALINES: Mediterranean Safety Network
- **ECOMEDPORT: Feasibility Study of an ecosystem-oriented plant for sediments management in Mediterranean ports and marinas**
- LabMAF: Developing a labelling scheme for Mediterranean small-scale and artisanal fish products
- BlueBoatsMed: Foresight on cruise and recreational boating, their potential for transition towards a blue economy in the Mediterranean and associated environmental challenges

# ECOMEDPORT: LINKS WITH MCBG/CO-EVOLVE, BOLOGNA CHARTER...

## blueMed Start-up Action

ECOMEDPORT project aims to promote the adoption of a novel and sustainable technology for the sediment management in port areas in the Mediterranean (starting from specific sties).

Start in **November 2018** ending in **March 2020**

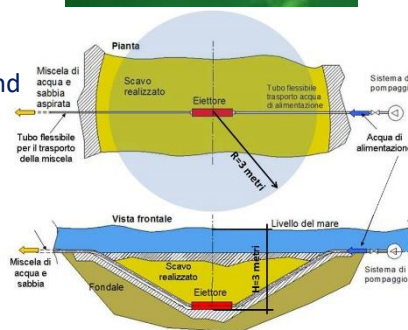
Total Budget **30.000 €** (for organizing onsite meetings and preparation of dedicated feasibility studies)

### Activities:

- identify sites in Tunisia and in Lebanon wherein the system can be applied;
- analyse the technological and non-technological barriers in the implementation of system installation;
- recover data relevant for the design of the system;
- design a preliminary solution with an economic and environmental impact assessment;
- a recognition to estimate the potentiality of development and application of the technology in the Mediterranean area.

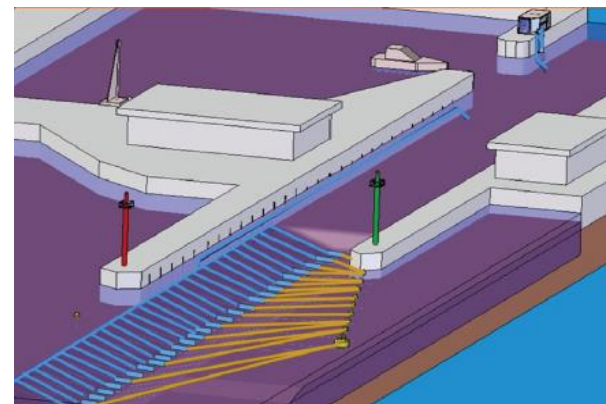
### Outcomes:

1. feasibility studies on the specific cases,
2. report on the potential development of the technology application in the Med area.



## Ambition and impact

- ❖ ensure a safer maritime transport in Mediterranean ports;
- ❖ minimizing the use of dredging operations;
- ❖ reduce turbidity of water induced by siltation;
- ❖ develop and adapt an innovative technology already tested (in "CO-EVOLVE" and "MarinaPlan" projects);
- ❖ strengthen synergies among partners from S/E/W/N Med.



The innovative Plant of seabed re-modelling consists of a set of devices, called ejectors, which constantly remove sediments delivered to their operating area by transferring them to a nearby where they do not impair navigation.



*Plan view and cross-section scheme of the seabed re-modelling plant functioning*



## 1<sup>st</sup> Joint Meeting CO-EVOLVE/MC4BG IN BARCELONA AT UfMS 29-31 Oct. 2018

- **CO-EVOLVE STEERING COMMITTEE**
- **CO-EVOLVE TRAINING OPEN TO NON EU MED COUNTRIES : Lebanon, Montenegro, Morocco, Tunisia**
- **MEETING FOCUSED ON MC4BG: Co-funding perspectives, future activities and pilot actions**





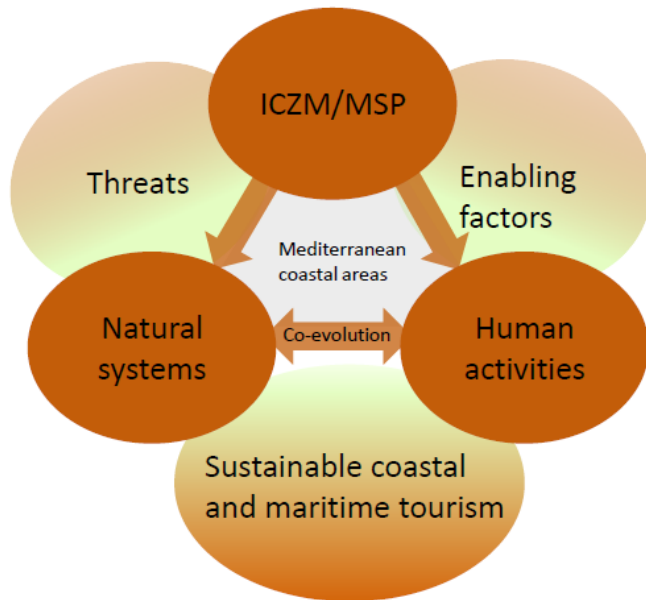


*“Promoting the co-evolution of human activities and natural systems for the development of sustainable coastal and maritime tourism”*

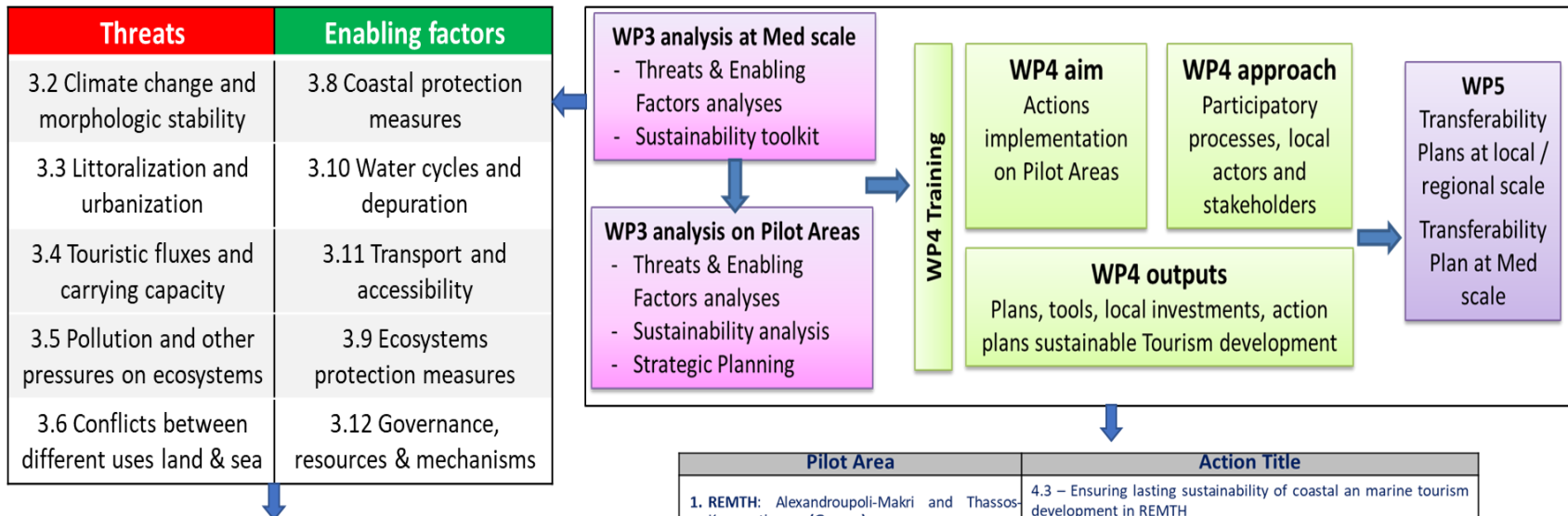
CO-EVOLVE aims at analysing and promoting the co-evolution of human activities and natural systems in touristic coastal areas, allowing sustainable development of touristic activities and demonstrating through pilot actions the feasibility and effectiveness of an ICZM/MSP-based planning process.

CO-EVOLVE recognises tourism as major economic driver and employment producer in the MED (11.3% of GDP and 11.5% of employment in 2014) **BUT ...**

... Continuous growth of tourism in MED coastal areas exerts pressures on environmental and cultural resources of the coastal zones, and affects negatively social, economic and cultural patterns of tourist destinations.



# CO-EVOLVE'S OVERALL METHODOLOGY



**Output 3.1 - Integrated analysis of threats and enabling factors for sustainable tourism at MED scale** to: address policies at Med scale; develop sound and sustainable action plans (WP4); develop transferability plans (WP5).

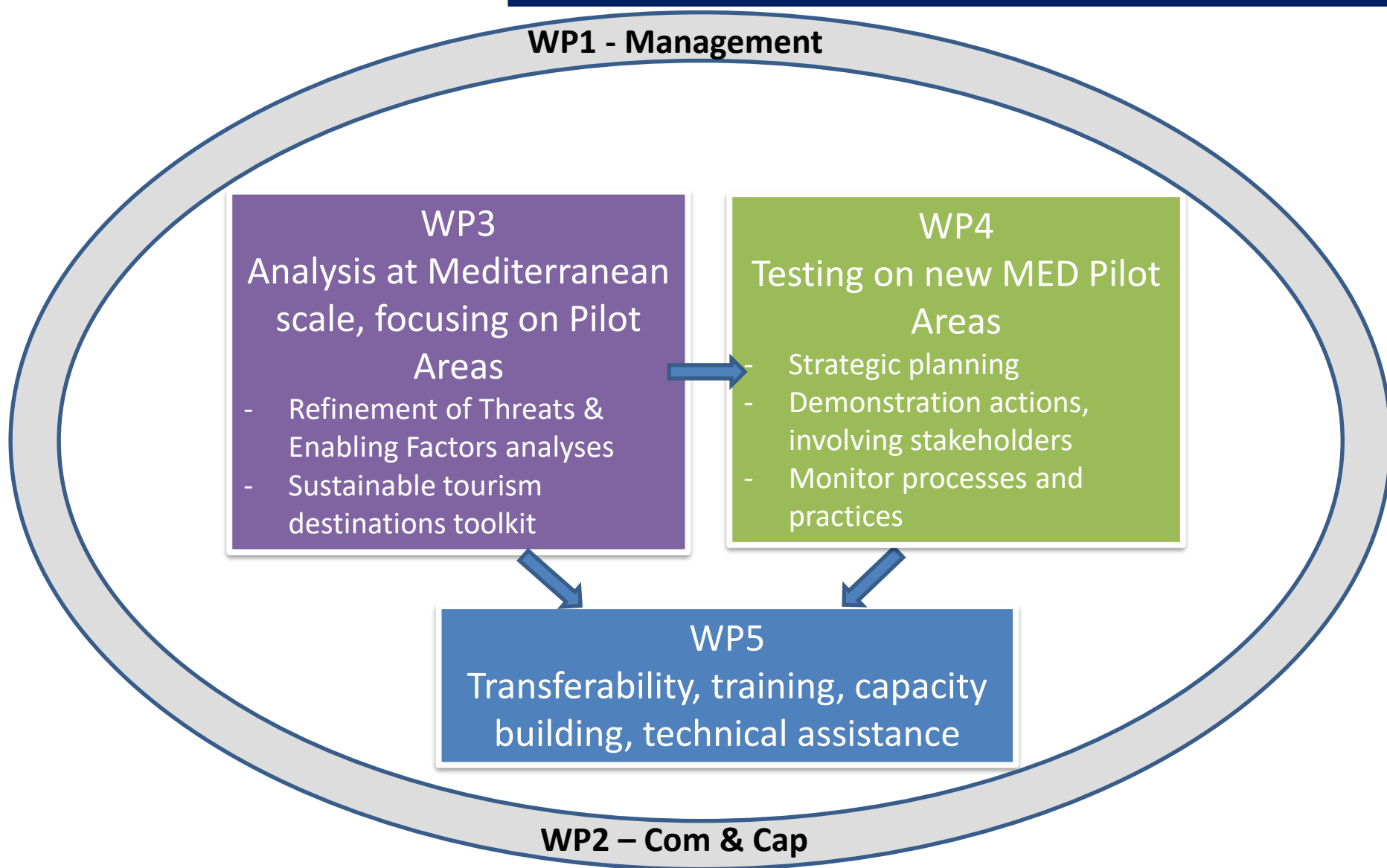
**Output 3.2 - Tourism sustainability analysis and toolkit** to define level of sustainability of tourism (baseline and target values) within the Programme, developing an operational Tourism Sustainability Toolkit to be applied at Mediterranean scale.

**Output 3.3 - Development of tourism oriented action plans** and evaluation of their benefits. On the basis of the previous outputs, tourism-driven or tourism-oriented strategic action plans will be developed in Pilot Areas.

Pilot Area	Action Title
1. <b>REMTH:</b> Alexandroupoli-Makri and Thassos-Keramoti areas (Greece)	4.3 – Ensuring lasting sustainability of coastal and marine tourism development in REMTH
2. <b>Emilia-Romagna:</b> Cattolica Port area and Lido di Spina-Comacchio (Italy)	4.4 – Implement regional ICZM guidelines principles for sustainable tourism and coastal management
3. <b>Veneto:</b> Rosolina Mare and Polesine Camerin-Eni power station area (Italy)	4.5 – Planning center for Delta area and demonstration on movable lodging prototype
4. <b>Valencia</b> Port area (Spain)	4.6 – Improve governance and facilitate mainstreaming into public action of the guiding principles set out in the ICZM Med Protocol
5. <b>Hérault Département:</b> Lido of Maguelone and Grand Delta of Orb river (France)	4.7 – Experimental adaptation of planning and management of tourist fluxes in coastal areas subject to CC
6. <b>Kastela bay, Split</b> (Croatia)	4.8 – Valorization of environmental and cultural heritage for a sustainable tourism-driven development in Kastela bay
7. <b>Neretva River Delta, Dubrovnik</b> (Croatia)	4.9 – Implementation of integrated management plan for Dubrovnik-Neretva River Delta



## «Med Coast for Blue Growth» (MC4BG) – ARCHITECTURE



Climate changes and morphological stability

Littoralization and urbanization

Touristic fluxes and carrying capacity

Pollution and other anthropogenic pressures

Conflicts among different uses on land and at sea and land-sea interaction

Coastal protection measures

Ecosystems protection

Water cycle and depuration

Transports and accessibility

Legislation and Administrative constraints, Governance

## 33 Deliverables on the different T&EF



CO-EVOLVE

Promoting the co-evolution of human activities and natural systems for the development of sustainable coastal and maritime tourism

### Deliverables 3.7.1/3.13.1

Synthesis report on threats to sustainable tourism at Mediterranean

Synthesis on enabling factors for sustainable co-evolution in touristic areas - Mediterranean scale

Activities 3.7/3.13

Threats to co-evolution - Mediterranean scale: synthesis

Enabling factors for co-evolution - Mediterranean scale: synthesis

WP3

CNR-ISMAR and PAP/RAC

<https://co-evolve.interreg-med.eu/what-we-achieve/deliverable-library/>

# Threats and Enabling Factors – work to be done

**Climate changes and morphological stability**

**Littoralization and urbanization**

**Touristic fluxes and carrying capacity**

**Pollution and other anthropogenic pressures**

**Conflicts among different uses on land and at sea and land-sea interaction**

**Coastal protection measures**

**Ecosystems protection**

**Water cycle and depuration**

**Transports and accessibility**

**Legislation and Administrative constraints,  
Governance**

➤ Refine and focus the analysis on key aspects, including knowledge gaps

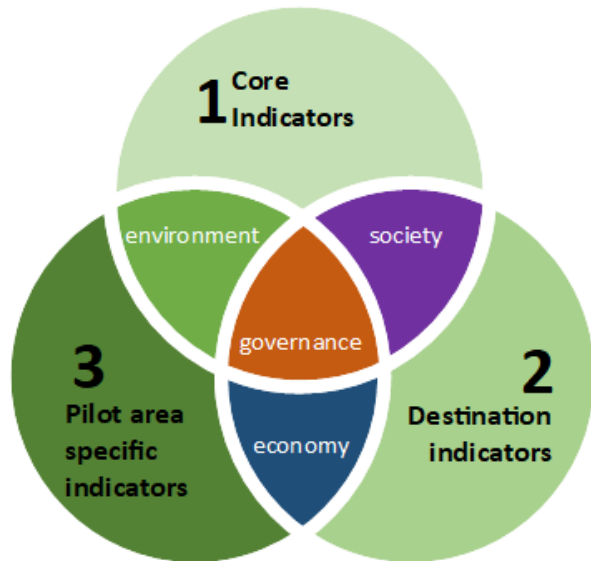


➤ Co-Evolve

➤ Capitalization from other ongoing and new projects

# Sustainability indicators - work done so far

- Development of a three-tier conceptual model of indicators, customization and test to Co-Evolve Pilot Areas to inform strategic planning



Priority Indicators List

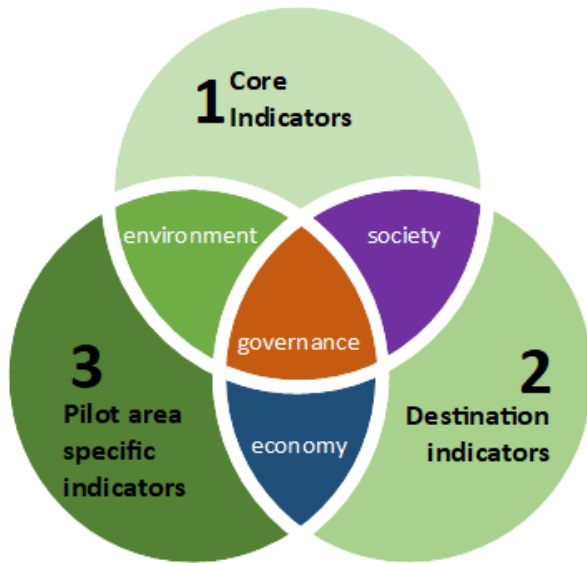
Indk. Ref.	Core indicators
C.A1.1	% of tourism enterprises/establishments in the destination using sustainable certification/labeling
Destination Indicators: Di.Beach/Maritime tourism	
Di.A4.	Number of second homes per 100 homes in coastal zones*
Destination Indicators: DiI.Urban/Cultural tourism	
DiI.A3.	% of total tourists visiting in peak month and average for the year
Destination Indicators: DiII.Cruising	
DiII.A4.	Number of ship visits per year (by month)
Destination Indicators: DiIV.Recreational boating (Yachting/Marinas)	
DiIV.A2.	Number of yachts per year (by month)
Destination Indicators: DiV.Nature/Ecotourism	
DiV.A3.	Total number of visitors to parks and to key sites
DiV.B1. Pilot area-specific indicators	
P.A1.2.	% shoreline subjected to erosion
DiV.B5.	P.A1.3. Coastal area in degraded condition (low/medium/high)
	P.A1.6. Coastal flooding events per year (number)
DiV.C1.	P.A2.1. Land occupied by artificial surfaces within the first 500m of coast (in %)
DiV.C2.	P.A2.2. % of area designated for tourism purposes
DiV.D1.	P.A3.1. Total tourist numbers (mean, monthly, peak) (categorized by their type of activity)
DiV.D2.	P.A3.3. Water use (total volume in liters or m <sup>3</sup> consumed and liters per tourist per day)
DiV.D10.	P.A4.2. Rate of loss of protected areas
	P.A4.3. Percentage of bathing sites with excellent water quality
	P.A5.1. Total use of water by tourism sector (Tourism as a % of all users)
	P.A5.2. Energy use by tourism industry as % of total
	P.B1.1. Existence of a coastal planning management system
	P.B1.2. Length of protected and defended coastline (km)
	P.B2.6. Implementation of Natura 2000 management plans
	P.B4.8. Volume (m <sup>3</sup> ) of sediments dredged per year
	P.C1.2. % environmental, social, cultural actions recommended in plan which have been implemented
	P.C3.1. Level of tourism sector involvement in public policy (advisory bodies, review panels etc.)

(H. Coccossis, T. Koutsopoulou – UTH)

# Sustainability indicators - work to be done

➤ Develop, consolidate, feed with appropriate data, customize, test the toolkit for sustainable tourism destinations

- Co-Evolve
- Co-Evolve-Mitomed+



Priority Indicators List

Indk. Ref.	Core indicators
C.A1.1	% of tourism enterprises/establishments in the destination's voluntary certification (labelling)
Destination Indicators: Di.Beach/Maritime tourism	
Di.A4.	Number of second homes per 100 homes in coastal zones*
Destination Indicators: DiI.Urban/Cultural tourism	
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Destination Indicators: DiIV.Recreational boating (Yachting/Marinas)	
DiIV.A2.	Number of yachts per year (by month)
Destination Indicators: DiV.Nature/ Ecotourism	
DiV.A3.	Total number of visitors to parks and to key sites
DiV.B1. Pilot area-specific indicators	
P.A1.2.	% shoreline subjected to erosion
DiV.B5.	P.A1.3. Coastal area in degraded condition (low/medium/high)
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DiV.C1.	P.A2.1. Land occupied by artificial surfaces within the first 500m of coast (in %)
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(H. Coccossis, T. Koutsopoulou – UTH)



## «Med Coast for Blue Growth» (MC4BG) – PILOT AREAS

### PILOT AREAS AND RELATED ACTIVITIES FOR CO-EVOLVE

*(already identified; activities ongoing; EC/Interreg Med funded)*

- PA 1: Alexandroupoli-Makri area & Thassos-Keramoti areas (Greece)
- PA 2: Cattolica (RN) port and coast area & Lido di Spina- Comacchio (Italy)
- PA 3: Polesine Camerini Eni power station area & Rosolina Mare (Italy)
- PA 4: Valencia Port area (Spain)
- PA 5: Lido of Maguelone and Grand Delta of Orb river (France)
- PA 6: Kastela Bay (Croatia)
- PA 7: Neretva Delta (Croatia)

## «Med Coast for Blue Growth» (MC4BG) – PILOT AREAS

### PILOT AREAS FOR CO-EVOLVE4BG

*(already identified; activities planned; fundraising ongoing with the ENI CBC MED project proposal under evaluation and other potential donors)*

- PA 1: Hergla-Monastir area (Tunisia)
- PA 2: Gulf of Gabes, Djerba island (Tunisia)
- PA 3: in Circeo National Park and Biosphere Reserve (Italy)
- PA 4: Alexandroupoli and Samothraki area (Greece)
- PA 5: North of Murcia Region (Spain)
- PA 6: Batroun coastal city (Lebanon)
- PA 7: Tyre coastal city (Lebanon)

**+ADDITIONAL PILOT AREAS BEING IDENTIFIED IN MOROCCO & MONTENEGRO**

# Distribution of CO-EVOLVE (Interreg MED) Pilot Areas



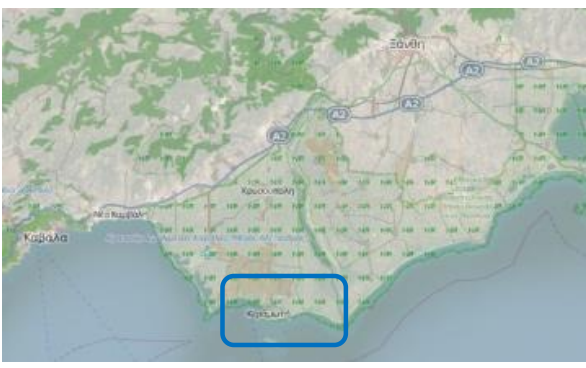
## PILOT AREAS

1. Alexandroupoli/ Makri area & Thassos/ Keramoti area
2. Cattolica (RN) port of Cattolica & Comacchio-Lido di Spina (FE- Po Delta park RER)
3. Rosolina Mare area & Polesine Camerini Delta Po area
4. Port of Valencia (Gen.Valenciana)
5. Maguelone/Frontignan area & Vias/Vendre Orb Delta area
6. Kaštela bay (SD County)
7. Neretva Delta (DN County)

# Overview on CO-EVOLVE Pilot Areas

<b>Pilot Area #1</b>	<b>A1</b>
Name	<b>Alexandroupoli - Makri</b>
Country	Greece
Responsible partner	REMTH
Reference map	

<b>Descript</b>	Urban and suburban coastal area and port next to a Natura 2000 protected area.
<b>Problem</b>	Pressure for littoralization, urban expansion along the coast, erosion issues connected to the port construction and expansion, tourism low performance.
<b>Objective</b>	Urban redevelopment of the coastal front in order to attract local and international tourism.
<b>Actions</b>	<b>MSP-ICZM Local Plan focused on achieving sustainable tourism.</b> Preparation of studies for selected actions.

<b>Pilot Area #1</b>	<b>A2</b>
Name	<b>Keramoti</b>
Country	Greece
Responsible partner	REMTH
Reference map	

<b>Descript</b>	Popular tourist destination receiving “sea and sun” tourism, ports connecting the island of Thasos to the mainland. Keramoti village is inside the Natura 2000 protected area of River Nestos Delta.
<b>Problem</b>	Erosion issues linked with the River Nestos Delta retreat. Pollution issues linked with the road and marine traffic towards Thasos island.
<b>Objective</b>	Diversification of the “tourism product”, promotion of ecotourism activities.
<b>Actions</b>	<b>MSP-ICZM Local Plan focused on achieving sustainable tourism.</b> Preparation of studies for selected actions according to the existing planning



# Overview on CO-EVOLVE Pilot Areas

<b>Pilot Area #2</b>	<b>2-A</b>
Name	<b>Port of Cattolica (Rimini Province)</b>
Country	Italy
Responsible partner	RER

Reference map



**Descript**

Urbanised coastal area with multipurpose river harbor (fishery, shipyard, crafts production, pleasure boats Marinas) and seaside resort structured with bath-house facilities.

**Problem**

Silting of the internal harbor area, from river solid transport, and of the harbor mouth, from the sea solid transport.

**Objective**

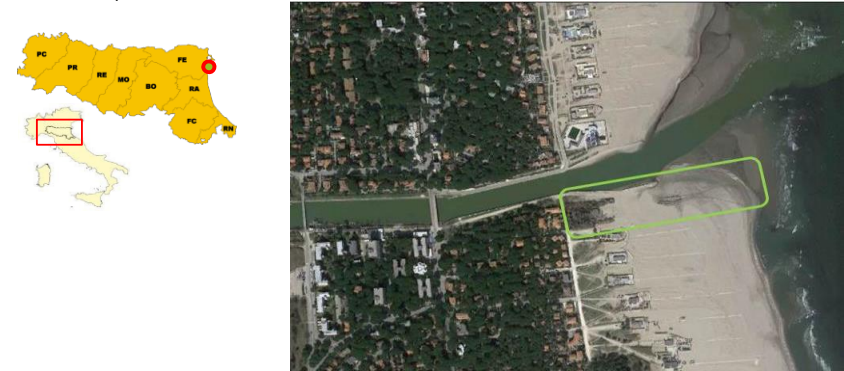
Solution for navigation safety and fruition, achievement of sustainability conditions and re-launch of Cattolica harbor.

**Actions**

**Formulation of an integrated Plan for the re-launching of the area** (navigation safety, sustainable tourism, waste management).  
**Small Scale Investment:** acquisition and installation of a jet-suction ejector system for desilting and sustainable management of sea bed

<b>Pilot Area #2</b>	<b>2-B</b>
Name	<b>Comacchio, Lido di Spina (Ferrara Province)</b>
Country	Italy
Responsible partner	RER

Reference map



**Descript**

Beach area with abandoned bath-house facilities (recently demolished by the Municipality) in Lido di Spina seaside resort.

**Problem**

Physical and Social degradation of the area, degraded dune system, degradation of the beach and of the waterfront.

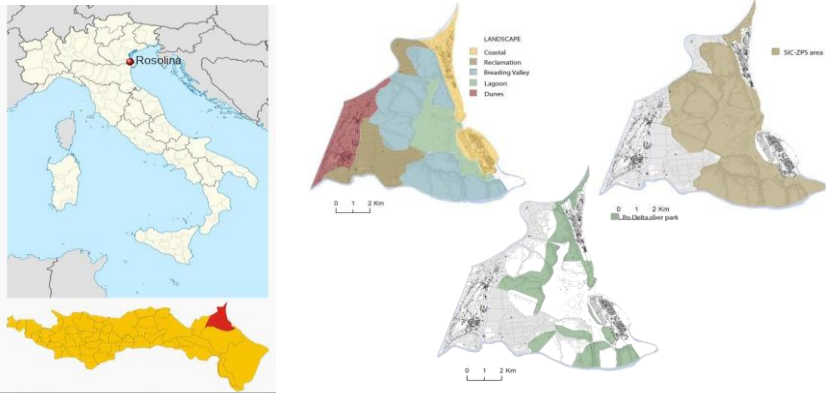
**Objective**

Requalification, use for public interest, increase of attractiveness, re-launch the area for sustainable tourism.


**Actions**

**Formulation of an integrated Plan for the renaturation, requalification and sustainable fruition** / handicap accessibility and re-launching of the area. **Small Scale Investment:** restoration of the beach-dune system

# Overview on CO-EVOLVE Pilot Areas

<b>Pilot Area #3</b>	<b>3-A</b>
Name	Rosolina Mare
Country	Italy
Responsible partner	Veneto Delta Po Park Authority
Reference map	
	




<b>Descript</b>	Site is located in Rosolina Mare (Rosolina Municipality), in the Po Delta area, natura 2000, SIC-ZPS area.
<b>Problem</b>	Touristic pressure, with 1 million annual presences, during high season (summer months) focused on the seaside areas.
<b>Objective</b>	Reduce the pressure on the environment during the high season and extend the sustainable tourist offer all-year round.
<b>Actions</b>	<b>Formulation of guidelines for sustainable accommodation</b> in natural areas camping village. <b>Small Scale Investment:</b> realize a NZEB (Net Zero Energy Building) prototype bungalow as demonstrator.

<b>Pilot Area #3</b>	<b>3-B</b>
Name	Polesine Camerini
Country	Italy
Responsible partner	Veneto Delta Po Park Authority
Reference map	
	

<b>Descript</b>	Lagoons and wetlands and a no longer working Enel Power Station agricultural zones close to the river, located within the Po DeltaPark
<b>Problem</b>	Conflicts between the mono functional industrial area assets and the to Po Delta Park high value environmental area (MAB UNESCO).
<b>Objective</b>	Requalification of the infrastructures to enhance the quality of the area for sustainable touristic and environmental purposes.
<b>Actions</b>	<b>Realise an Environmental Observatory and a planning center for sustainable tourism in the natural area</b> , conservation and protection of environment



## Overview on CO-EVOLVE Pilot Areas

<b>Pilot Area #4</b>	<b>4-A</b>
Name	<b>Port of Valencia</b>
Country	Spain
Responsible partner	Valenciaport Foundation
Reference map	
	
	

### Descript

The port is one of Valencia's most important institutions for both the city and the region. It registered an important development and growth in commercial shipping and touristic cruising in the last decades.

### Problem

Significant economic impact with a feedback effect on the tourist sector but also has an environmental impact and several pressures coming from society.


### Objective

Improve governance and facilitate the mainstreaming into public action of the guiding principles set out in the sustainable cruise tourism. Improve the city-port relationship reducing the environmental impacts and promoting awareness on sustainability.


### Actions

**Develop model to measure economic impact of cruise tourism in local destinations** and an **ECO- cruise port/city tool** to reduce environmental impacts from vessel arrivals.

# Overview on CO-EVOLVE Pilot Areas

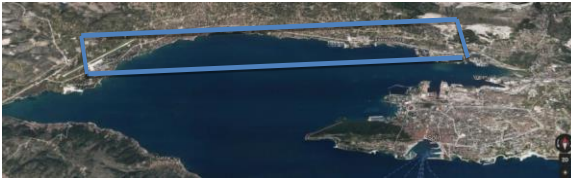
Pilot Area #5	5-A
Name	Lido from Maguelone to Frontignan-plage
Country	France
Responsible partner	Department of Hérault
Reference map	

<b>Descript</b>	Coastal area 20 km sea front, with lagoons and a small relief. Touristic zone of Frontignan-plage with several lagoons crossed by waterway. Maguelone island is a classified as historical heritage site.
<b>Problem</b>	Beach erosion, sea flooding, industrial zone for petrol stocks, touristic and multipurpose harbors.
<b>Objective</b>	Protection and valorization of the area
<b>Actions</b>	<b>Planning adaptation of touristic fluxes in coastal areas subject to CC effects.</b> Actions were expected to be defined with stakeholders, evolution of political conditions at local level postponed the process.

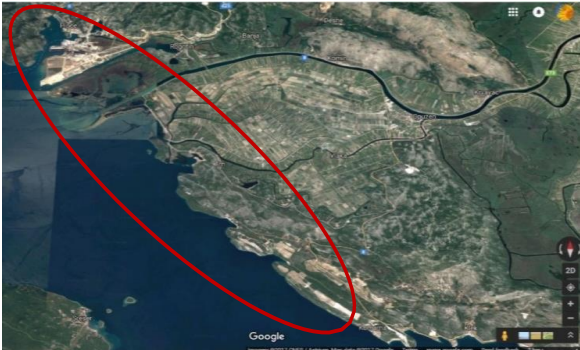
Pilot Area #5	5-B
Name	West coast from Hérault between Vias & Vendres
Country	France
Responsible partner	Department of Hérault
Reference map	

<b>Descript</b>	Orb river area, 13 km sea front, with 2 coastal villages, buildings, natural areas and some big camping, population 5 time-rising in the summer.
<b>Problem</b>	Beach and dune erosion, sea & river flooding, touristic harbor.
<b>Objective</b>	Preserve complementarity between urban areas, natural and wild areas, camping areas. Protect natural areas. Maintain tourism activity by allowing it to evolve and adapt to changes
<b>Actions</b>	<b>Design of a common integrated vision for the area and planning along with ICZM principles and Sustainable tourism goals</b>

# Overview on CO-EVOLVE Pilot Areas

<b>Pilot Area #6</b>	<b>6</b>
Name	Coastal area of <b>Kaštela bay</b>
Country	Croatia
Responsible partner	RERASD
Reference map	

<b>Descript</b>	The area is located in the central part of the Eastern Adriatic Coast, near the city of Split, the total surface of the bay covers 57 sqkm.
<b>Problem</b>	High value historical heritage (castles) threatened by erosion, sea flooding and sea level rise. Tourism high pressures on natural resources and disharmonic urbanistic development in the narrow land-sea zone.
<b>Objective</b>	Promote a sustainable forms of tourism-driven development with focusing on coastal protection measures as a key factor for preserving coastal zone and especially castles
<b>Actions</b>	<b>Formulation of ICZM-MSP local Plan to promote a sustainable forms of tourism-driven development</b>

<b>Pilot Area #7</b>	<b>7</b>
Name	Neretva River delta
Country	Croatia
Responsible partner	DUNEA
Reference map	

<b>Descript</b>	Neretva River Delta territory covers 7 local municipality units (3 cities and 4 municipalities). It consists of urban and rural areas and also special areas of natural heritage with different protection status.
<b>Problem</b>	Presence of different and sometimes conflicting activities and needs in the area, such as agriculture, water management, infrastructure construction, tourism, industry.
<b>Objective</b>	Balancing the need for further development and the need to protect natural resources. Coordinate and govern area uses and conflicts.
<b>Actions</b>	<b>Elaboration of the methodology for integral protection of rural landscapes and sustainable development of the tourism of the Neretva River Delta</b>

## MC4BG - NEXT STEPS

- ❑ Screening of funding opportunities for MC4BG and complementary fund raising thanks to UfMS TA (focus on Med partner countries)
- ❑ Final decision on the potential approval of Co-Evolve4BG (ENI CBC MED)
- ❑ Next meetings in 2019 “back to back” with CO-EVOLVE implementation (Transference/Capitalization) and UfMS, IMC CPMR, BLUEMED, ECOMEDPORT/events from other linked projects...
- ❑ Involvement of more local and regional authorities/key actors in Med partner countries
- ❑ Specific synergies with Interreg MED sustainable tourism Community, PANORAMED and future strategic Projects...



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