



## REPORT

**of joint meeting of the PEGASO, SHAPE, MAREMED and PERSEUS  
to share results related to the implementation of the ICZM Protocol  
(Split, 26 September 2012)**

Priority Actions Programme  
Regional Activity Centre  
Split, October 2012



*The project is co-funded  
by the European Union,  
Instrument for Pre-Accession  
Assistance*



**REPORT**  
**of a Joint Meeting of the PEGASO, SHAPE, MAREMED and PERSEUS projects to share results**  
**related to the implementation of the ICZM Protocol**  
*(Split, 26 September 2012)*

**Background information**

1. The 2012 Mediterranean Coast Day central regional celebration was organised in Split, Croatia by PAP/RAC, as a part of the EU IPA Adriatic SHAPE project, and in collaboration with UNDP's "Coast" project. The main event was held on September 25 but the activities were extended over the whole week. The theme of the celebration was "The Voice of the Coast". The ICZM Protocol and its practical implementation highlights were presented by the directors, leaders and managers of the Mediterranean coastal programmes and projects.
2. The host of the event on 25 September was Mr. Mihael Zmajlović, Minister of Environmental and Nature Protection. The event was attended by high-level representatives of Croatian authorities as well as a number of distinguished foreign guests, UNEP/MAP and UNDP representatives, and members of the diplomatic corps.
3. The day after the central celebration, on September 26, a joint meeting of the PEGASO (funded under the EU's Seventh Framework Programme for Research - FP7), SHAPE (co-funded by the EU's IPA Adriatic Cross-border Co-operation Programme) and MAREMED (MARitime Regions co-operation for the MEDiterranean) projects took place at the PAP/RAC premises in Split to share results related to the implementation of the ICZM Protocol. Also, PERSEUS (FP7), the GEF MedPartnership, the FaceCOAST Med-Cluster and ResMAR (Network for Environmental Protection in Maritime Space) projects joined the PAP/RAC initiative to bring together all these projects implementing the ICZM Protocol. The main objective of the meeting was to share information and seek for joint activities and project outputs so as to create better synergies and coherence among the projects. This was a unique opportunity which PAP/RAC took advantage of during the Coast Day events.

**Participation**

4. The meeting was attended by partners of PEGASO, SHAPE, MAREMED, PERSEUS, GEF MedPartnership, ResMar, PERSEUS, FACECOAST, a representative from the French Ministry of Environment, a representative of the Town of Trogir, Croatia, and the PAP/RAC staff. Complete List of participants is attached as Annex I to this report.

**Agenda item 1: Opening of the meeting, objectives and adoption of the Agenda**

5. Ms. Škaričić opened the meeting and welcomed all the participants. She briefly commented the programme of the Coast Day, particularly the main celebration event that was held the previous day (25 September) at "Vila Dalmacija" and thanked all the representatives who attended it.
6. Mr. Marko Prem, PAP/RAC Deputy Director, chair of the meeting, then presented the objectives and the Agenda of the meeting. The Agenda of the meeting is included in Annex II.

**Agenda item 2: PEGASO project (presentation of the project and the results of the stock-take at the national level)**

7. The floor was, then, given to Ms. Françoise Breton, PEGASO project, to present the project. She mainly focused on the main issues and opportunities, particularly regarding the promotion of the PEGASO platform as a hub for the ICZM practitioners, researchers and stakeholders. Ms. Breton's presentation is attached as Annex III.

8. Following Ms. Breton's presentation, Mr. Sylvain Petit, PAP/RAC Programme Officer, presented an overview of the ICZM stock-take, including the background, the scope and results. Some information was provided in terms of implementation of the questionnaire. Issues were pointed out, particularly regarding the interpretation of the questions by the reporters, the large amount of information to be synthesised and analysed, and the need for clarification on some questions. The ICZM Stock-take analysis presentation is attached as Annex IV.

### **Agenda item 3: Presentation of the SHAPE project**

9. Mr. Giuseppe Bortone, Emilia-Romagna Region, presented the Shaping an Holistic Approach to Protect the Adriatic Environment (SHAPE) project, He first reminded the participants to the meeting that SHAPE is the only project approved within the 1<sup>st</sup> Ordinary Call of Adriatic IPA for Measure 2.1 "Marine and coastal environment protection and enhancement". After presenting the main partners and general objectives, Mr. Bortone described the ICZM Protocol and the EU Roadmap for MSP as the framework policy reference to the project. He introduced the structure of the project, i.e. the 5 Working Packages (WP), and presented the first results, which can be summarised as follows:

- WP2: the SHAPE web-portal including Adriatic Regional Forum, social networking (Facebook, Twitter) and international conferences organised in Bari and Venice. Mr Bortone also introduced the FACECOAST cluster which SHAPE joined in March 2012.
- WP3: (i) the analysis of current national legislation and comparison with the ICZM Protocol, an activity for which was underlined the link with the MAREMED project. (ii) Explanatory reports prepared by the PAP/RAC on Art 7 & 8 of the ICZM Protocol. It was announced that the MedOpen online course on ICZM, will run from September 2013 for SHAPE project partners.
- WP4: (i) an integrated analysis of legal frameworks, policies and planning instruments; (ii) description of the data collection process for MSP ; (iii) draft reports on integration of ICZM and MSP for pilot actions aiming at testing such integration.
- WP5: in coordination with WP3 and WP4 results and using a top-down method, collection and analysis of relevant topics/legislation frameworks. A questionnaire and semi-structured interviews were prepared to analyse potential GIS users demand.

10. He put a particular stress on the need and the efforts made towards more and better exchange of information and knowledge. He also pointed out the importance of using the ICZM Protocol requirements to bring different Mediterranean projects together. Mr. Bortone's presentation is included in Annex V.

### **Agenda item 4: Presentation of the MAREMED project**

11. The floor was, then, given to Ms. Corine Locht, PACA Region, who presented the MAREMED project developed within the framework of the creation of an integrated Mediterranean maritime policy. She stressed out the efforts done in terms of governance in that project, and for the implementation of strategic goals through pilot actions. She pointed out that the Regions were a key scale of the coastal and maritime management and that they had to be taken into account in the European governance process for the European coastal policies. She also insisted on the need for a constant dialogue with the European Union DG (MARE & ENV), to gather and exchange information for a better application of its directives, especially in the context of a possible EU Directive for MSP and ICZM in addition to the Mediterranean ICZM Protocol.
12. She closed her presentation by inviting all the partners to join the MAREMED team in March 2013 on the occasion of the presentation of the project results at the European Union Parliament. Ms. Locht's presentation is attached as Annex VI.

### **Agenda item 5: Presentation of the MedPartnership project component related to ICZM and the new Climate Variability and Change GEF project**

13. Ms. D. Povh-Škugor, PAP/RAC Programme Officer, presented the GEF MedPartnership project, partners involved and the PAP/RAC role in the project. She attributed particular importance to the size of this project as one of the largest initiative in the Mediterranean in the recent years. She also presented the challenges faced when implementing the Integrative Methodological Framework (IMF) which aims at responding to the need to converge the methodologies for the coastal, river basins and aquifer/groundwater management. She stressed the need for a synergy between the projects, and presented the practical examples of the Buna-Bojana Integrated Management Plan implementation, as well as the Algerian ICZM Strategy and the Reghaia Coastal Plan on-going project.
14. Ms. Povh-Škugor, then, presented a new GEF project on the “Integration of climatic variability and change into national strategies to implement the ICZM Protocol in the Mediterranean”. She briefly described the fields of activities where PAP/RAC is directly involved.

In regards to the “Assessment of environmental and socio-economic impacts” component, the DIVA model was introduced and presented. Two remarks concluded the presentation: (i) the Protocol provides a solid foundation to build partnerships; and (ii) the implementation of the ICZM Protocol depends on all Mediterranean stakeholders. Ms. Povh-Škugor’s presentation is included in Annex VII.

### **Agenda item 6: Presentation of the PERSEUS and RESMAR projects**

15. In the first part of his presentation, Mr. Julien Le Tellier, BP/RAC, gave a brief overall presentation of the project, including the statistics, partners, the scope and objectives. He drew a parallel between the PEGASO and PERSEUS projects, emphasizing the similarities of the two platforms, particularly to define and test adaptive policies and new management schemes for a better governance of the human made pressures to coastal and marine environment. However, he specified that the PEGASO was more ICZM-oriented whereas the PERSEUS was focused on MSFD. He, then, presented the demonstration areas to the PERSEUS project, which reflected that certain zones overlapped with the ones of other projects, for example in the Adriatic. He also stressed the need for a close co-operation between the PERSEUS cluster and other projects like the PEGASO, the SHAPE and/or the MAREMED.
16. In the second part of his presentation, Mr. Le Tellier detailed the Work Package co-ordinated by the Blue Plan concerning the creation of adaptive policies and scenarios, insisting on the need to better involve the local stakeholders through a continuous dialogue. To that endeavour, a stakeholder platform has been built within the PERSEUS project, and is being moderated. He presented the methodology implemented to organise and co-ordinate that participatory process being crucial for a better involvement of the stakeholders.
17. He concluded his presentation by inviting the partners from other projects to join with their suggestions and proposals on how to strengthen and improve stakeholder participation. Finally, he stressed the need to avoid the multiplication of platforms and overlapping, and to work in synergy. Mr. Le Tellier’s presentation is attached as Annex VIII.
18. Mr. Luigi Cipriani, Toscana Region, presented the ResMar project, stressing the smaller size of the project, which makes the co-ordination easier. He said that the ResMar aimed at implementing the coastal observatories in various regions to the project and beyond. In terms of data collection, he stressed that smaller projects bring material to bigger projects, and data collected that way in the ResMar project have been feeding the MareMed and the FaceCoast cluster. He stressed the

absolute need to make data available so that these could be capitalised. Mr. Cipriani's presentation is included in Annex IX.

### **Agenda item 7: Discussion**

19. Following the above projects' presentations, the participants made suggestions and provided valuable concrete proposals for establishing better links and co-ordination among the projects. Participants' suggestions and proposals can be summarised as follows:

- Ms. Breton insisted on the fact that the ICZM and its Protocol were now processes in place, where MSP should be considered as a tool rather than as a strategy. She stressed that the ICZM was useful in terms of the blue growth strategy, and that exchanges on the topic should keep on being carried out beyond the Mediterranean. She concluded that a better dialogue with the stakeholders was necessary to build a common vision, and should lead to "one" governance platform for the ICZM, where the PEGASO platform could be a solid base;
- Mr. Montanari also stressed the need for better participatory processes, as well as the need to strengthen the existing clusters, and continuously share the results on the platform;
- Ms. Lochet considered it important to send a common message, from the partners to different projects, to reach a common wording with the EU, especially regarding the "coastal zone" and the "land and sea". She proposed to draft a Declaration to disseminate the fact that different projects are working together, in order to express the will of the Mediterranean partners present during the Coast Day celebration to strengthen their co-operation and will use existing platforms enlarging these structures with emerging issues;
- Most of the participants agreed that a strong message needed to be sent to the EU DG MARE and DG ENV to better integration of MSP and ICZM, and accepted the idea of a Declaration to underline the concept of ICZM and MSP that all participants agreed about, to be prepared after the meeting;
- Ms. Škaričić agreed on the possible use and wider access provided to the PEGASO platform, but pointed out the need to secure financial sources to realise that endeavour, especially to run the technical part;
- Mr. Le Tellier raised the question of the commitment to the platform, saying that some rules should guarantee an equitable share and exchange of information. At the same time, he advocated for a flexible platform, for a more efficient use of each other's documents and a tool that would help avoiding overlaps. He insisted again on the need to enhance the dialogue with the stakeholders by organising more joint meetings;
- Ms. Povh-Škugor and Mr. Paolo Lupino (Lazio Region) exchanged opinions on the use of the DIVA model in different projects and at different levels of the decision making, pointing out that the need for an economic valuation of the project had to be better considered to give indications and incentives to the local stakeholders and decision makers;
- Ms. Ž. Škaričić added that project leaders should invite each other to important meetings organised by these project to strengthen synergies;
- Regarding the example of mapping marine habitat types in the coastal area of Istria (Croatia) - future allocation for marine Natura 2000 sites, where the relevant data are included in a GIS map, links could be established with the MAREMED and PEGASO projects. Also, a possibility could be investigated of integration into the PEGASO platform.

### **Agenda item 8: Making synergy: Presentation of the Bologna Charter II; presentation of the ICZM Protocol implementation test; and presentation of the FACECOAST Med-Cluster**

20. Mr. Roberto Montanari, Emilia-Romagna Region, presented the Bologna Charter II, which is the European regions charter for the promotion of a common framework for strategic actions, aimed at the protection and sustainable development of the Mediterranean coastal areas. He provided a brief overview of the history of the Charter, its main contents and the next key steps to be taken. He said

that the Charter was a political tool for a novel and common policy approach to the coastal zone management and presented the reference framework for the Charter, as follows:

- The White Paper on Climate Change adaptation COM(2009) 147;
- The Directive 2007/60/CE on the assessment and management of flood risks;
- the ICZM Protocol; and
- the Roadmap for MSP COM(2008)791.

The capitalisation process was at the heart of his presentation. Mr. Montanari's presentation is attached as Annex X.

21. Mr. Christian Marasmi, Emilia-Romagna Region, presented the test phase, within the MAREMED pilot action for the implementation of Art. 8 on setback zones of the ICZM Protocol. He first presented the main objectives, as follows:

- to highlight the ICZM practices within the countries and regions;
- to individuate possible gaps with respect to the ICZM Protocol provisions; and
- to facilitate the ICZM Protocol implementation.

He said that two pilot actions had been carried out : (i) Comparison between the local legal framework on coastal zones and ICZM Protocol provisions; and (ii) Testing the applicability of Protocol's Art. 8 provisions concerning the coastal "set-back zone" (Emilia-Romagna, Crete, Liguria, PACA).

He, then, briefly presented the results gathered in the different regions. In conclusion, Mr. Marasmi stressed the fact that the methodology was developed under the SHAPE project and tested within the MAREMED project, being the first collaboration of a kind. He announced that this collaboration and sharing of information would be pursued in the framework of the FACECOAST cluster, and capitalize in the next capitalization call on the MED Programme. Mr. Marasmi's presentation is attached as Annex XI.

22. Finally, Mr. Lupino presented the Face the challenge of Climate Change in the Mediterranean coastal zones (FACECOAST) cluster, its principles, objectives and development potentials. He said that the project was built on the principles of the ICZM Protocol, bringing together 13 European projects, and aiming at capitalizing multi-sectoral experiences, developing multi-level synergies, raising awareness, avoiding/reducing overlaps and project Incubation for 2014-2020 financing period. Mr. Lupino invited all the partners to join the cluster with new projects. Mr. Lupino's presentation is included in Annex XII.

#### **Agenda item 9: Conclusions and recommendations, and closure of the meeting**

23. In the conclusive session of the meeting, all the participants were invited to continue with their efforts on concrete activities and encouraged synergy. The following conclusions and recommendations were made:

- a) A good level of cooperation and collaboration between projects already exists but there is still a lot of room for improvement.
- b) Synergies must be encouraged between the existing platforms on ICZM and the blue growth, also to avoid duplication. Long-term technical support is necessary, therefore financial support will have to be secured and organised to run a common platform. As the first step in the creation of the future common platform, the creation of a common map with pilot projects is

proposed where linkages between the projects could be seen – the PEGASO platform could become a common platform for all relevant projects.

- c) Participatory processes should be strengthened, and particular efforts are to be made in order to bridge the gap between science and decision makers, especially on the topics like the Climate Change. Joint meetings should be organised with stakeholders to facilitate circulation of information where at least two representatives of each project should attend;
- d) Data sharing and exchange should be facilitated through the platforms linked to the stakeholders, but with commitment, so as to build and spread a common vision of the Mediterranean coasts. It should be invested in the existing projects to find solutions, to show existing links and to propose the future relationship with stakeholders and donors. There is a need to show the existing links, as well as to propose the future relationship with stakeholders and donors; for example, with the PESETA project using the DIVA results to give the economic impact information to decision makers. Co-operation among the projects would bring a new (added) value and could be useful for the creation of jobs;
- e) A strong message has to be sent to the EU, showing that partners from different projects are working together to promote the EU Directives and push forward the ICZM Protocol and MSFD implementation. A joint Declaration will be drafted by the PAP/RAC after the meeting and shared with the partners (Draft Declaration attached in Annex XIII).
- f) To create a mailing list to include project co-ordinates, important information, events, etc. so that everybody could follow the process and make it available on the PEGASO platform.

24. The Joint Meeting was closed on 26 September 2012 at 13 : 30 hours.

**ANNEX I**  
**List of Participants**

<b>PROJECT / ORGANISATION</b>	<b>NAME</b>
<b><i>SHAPE representatives</i></b>	
Veneto Region - Italy	Ms. Elisa ANDREOLI
	Ms. Alessandra ARIZZI NOVELLI
Abruzzo Region- Italy	Mr. Roberto BERTAGGIA
	Mr. Nicola CAPORALE
	Ms. Giovanna MARRAMA
	Ms. Giovanna MARTELLA
	Mr. Carlo VISCA
Istria County - Croatia	Mr. Aleksandar CARLIN
	Ms. Latinka JANJANIN
Puglia Region – Italy	Mr. Piacento CICCARESE
ARPA Puglia – Italy	Mr. Nicola UNGARO
Bosnia and Herzegovina	Ms. Silvana ČAVAR
	Mr. Saša ŠKRBA
ARPA Molise	Mr. Alessandro GALUPPO
	Mr. Gianluca MACORETTA
	Ms. Emanuela TOLVE
Emilia-Romagna Region - Italy	Mr. Roberto MONTANARI
	Ms. Irene SABBADINI
	Ms. Olga SEDIOLI
Montenegro	Mr. Vojislav DRAGNIĆ
	Ms. Aleksandra IVANOVIĆ
	Mr. Nemanja MALOVRAŽIĆ
	Mr. Dragoljub MARKOVIĆ
Slovenia	Mr. Slavko MEZEK
	Mr. Giuliano NEMARNIK
	Ms. Tina PRIMOŽIČ
ARPA Friuli Venezia Giulia - Italy	Ms. Isabella SCROCCARO
<b><i>MAREMED representatives</i></b>	
PACA Region - France	Mr. Mathieu BECHET
	Ms. Corine LOCHET
Crete – Greece	Ms. Effrosyni MAURAKI
	Ms. Aikaterini TSOUKALA
	Ms. Daphne VOLYTRAKI
Emilia-Romagna Region- Italy	Mr. Christian MARASMI
CRPM – France	Mr. Besser LUCAS
<b>PERSEUS representative – BP/RAC</b>	Mr. Julien LE TELLIER - <i>(PEGASO as well)</i>
<b>PEGASO representative – UAB Barcelona</b>	Ms. Françoise BRETON
<b>FACECOAST representative – Lazio Region</b>	Mr. Paolo LUPINO
	Ms. Selene PEDETTA PECCIA
<b>RESMAR – Toscana region</b>	Mr. Luigi CIPRIANI
Town of Trogir	Ms. Dijana DULČIĆ IVIĆ
Ministry for Ecology, Sustainable Development and Energy – France	Ms. Valerie Brillaud



<b>PAP/RAC representatives</b>	Ms. Branka BARIĆ	<i>GEF MedPartnership</i>
	Ms. Marina MARKOVIĆ	<i>SHAPE</i>
	Mr. Sylvain PETIT	<i>PEGASO</i>
	Ms. Daria POVH-ŠKUGOR	<i>GEF MedPartnership</i>
	Mr. Marko PREM	<i>SHAPE, PEGASO</i>
	Mr. Brian SHIPMAN	<i>PEGASO</i>
	Ms. Željka ŠKARIČIĆ	<i>SHAPE, PEGASO</i>

**ANNEX II**

**Agenda**

<b><i>Joint meeting of the PEGASO, SHAPE and MAREMED projects to share results related to the implementation of the ICZM Protocol</i></b>	
09:00 – 09:30	Registration of participants.
09:30 – 09:45	Opening of the meeting: <ul style="list-style-type: none"> <li>- Welcome addresses (Mr. M. Prem, PAP/RAC)</li> <li>- Objectives and adoption of the agenda (Ms. Ž. Škaričić, PAP/RAC).</li> </ul>
09:45 – 10:15	PEGASO project <ul style="list-style-type: none"> <li>- Presentation of the Project (Ms. F. Breton, UAB).</li> <li>- Presentation of the results of the ICZM stock-take at the national level (Mr. S. Petit, PAP/RAC).</li> </ul>
10:15 – 10:45	Presentation of the SHAPE project (Mr. G. Bortone, Emilia-Romagna Region).
11:15 – 11:30	Presentation of the MAREMED project (Ms. C. Locht, PACA Region)
11:30 – 11:45	Presentation of the MedPartnership project component related to ICZM and the new Climate Variability and Change GEF project (Ms. D. Povh-Škugor, PAP/RAC).
11:45 – 12:00	<ul style="list-style-type: none"> <li>- Presentation of the PERSEUS project (Mr. J. Le Tellier, BP/RAC).</li> <li>- Presentation of the RESMAR project (Mr. L. Cipriani (Toscana Region)).</li> </ul>
12:00 – 12:30	Discussion: <ul style="list-style-type: none"> <li>- Which are the common elements for all the projects?</li> <li>- How to improve links among the projects?</li> </ul>
12:45 – 13:00	Making synergy: <ul style="list-style-type: none"> <li>- Presentation of the Bologna Charter II (Mr. R. Montanari, Emilia-Romagna Region).</li> <li>- Presentation of the ICZM Protocol implementation test - MAREMED pilot action on Art.8 (Mr. C. Marasmi, Emilia-Romagna Region)</li> <li>- Presentation of the FACECOAST Med-Cluster (Mr. P. Lupino, Lazio Region).</li> </ul> <p>Discussion.</p>
13:00 – 13:30	Conclusions and recommendations, and closure of the meeting

## ANNEX III

### Presentation of PEGASO project by Ms. Breton

**PEGASO**

COAST DAY- Joint meeting of the PEGASO, SHAPE and MAREMED projects  
PAP RAC, Spth 26 September 2012  
Françoise Breton (PEGASO Coordinator, UAB)



#### The PEGASO Project : general description

Project Basic information:

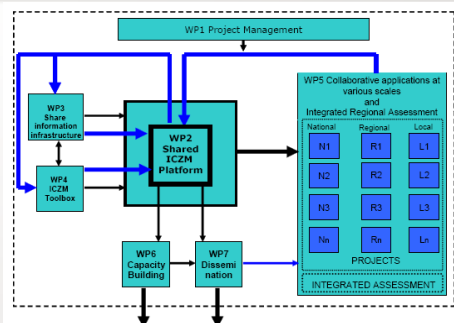
- **Acronym:** PEGASO
- **Full Title:** People for Ecosystem-based Governance in Assessing Sustainable development of Ocean and coast
- **Call :** FP7- ENV.2009.2.2.1.4 Integrated Coastal Zone Management
- 26 partner institutions in the Mediterranean Sea and in the Black Sea
- 115 researchers
- 10 M Euros (EU fund) (Feb.2010-Jan.2014)

#### Introducing PEGASO

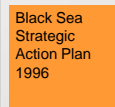
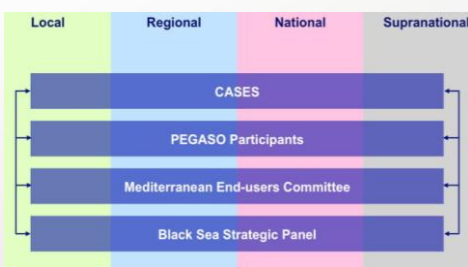
**Main objectives of PEGASO:**

1. supporting the ICZM Protocol *integrated management for the Mediterranean and Black Sea (coastal interface) in an ecosystem based framework*
2. Bridging science and decision making  
*Providing simple and useful scientifically validated tools for decision and follow up for ICZM*

## PEGASO STRUCTURE



### 1st component: The PEGASO heart: the shared ICZM Platform



NFPs of the ICZM Protocol are PEGASO users since October 2011



### 2d component: PEGASO is building a Spatial Information System for the Med and the BS



Regional, sub-regional and local

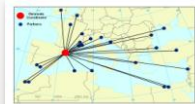


Marine knowledge communication/ valid for ICZM/ECAP and MSFD

### The technical platform: SDI and its geonodes to share data

The construction of a Spatial Data Infrastructure (SDI) for the Mediterranean and Black Sea Basins

Various types of data can be shared on the SDI: satellite imagery, geographical data, maps, statistical data, etc.



Participating institutions constitute Geonodes – each responsible for own data management

PEGASO provides a common service: Possibility to upload and download information using the online portal

PEGASO works following INSPIRE and in collaboration with the EEA SEIS

### The technical platform: SDI

**Search for spatial data**

**Final stages of preparation**


### Pegaso website, intranet and ICZM Wiki

**ESTABLISHMENT**  
Getting Organized  
Getting Started  
Getting Resources

**IMPLEMENTATION**  
Setting the Structure  
Managing Success  
Building the Network

**EVALUATION**  
Identifying Features  
Monitoring Success  
Managing the Future  
Formulating the Plan or Programme  
Communication & Management  
Involving  
Realising the Vision  
Monitoring & Review


### 3<sup>rd</sup> component: The PEGASO toolbox



**Tools:**

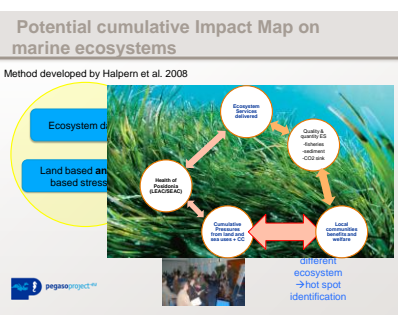
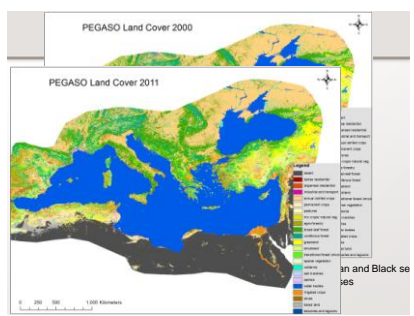
- Indicators (based on ICZM Protocol)
- Ecosystem accounting
- Participative Scenarios
- Economic valuation (ecosystem restoration cost)

**ASSESSMENT** : identification of main threats and potential for ecosystem health/natural capital and sustainable healthy coastal communities; **adaptive planning (CC)**,




### PEGASO Indicators: for ICZM Protocol, incl. ECAP (to be validated)

- 1) Preserve the wealth of natural capital in coastal zone**  
Number of invasive non-endemic marine and coastal species, and their (potential) impact levels (on natural and human systems)  
Distributional pattern of certain marine and coastal habitats under the Specially Protected Areas (SPA) Protocol
- 6) To have a balanced use of coastal zone, and avoid urban sprawl**  
Land use flows: The area of new developments and its share on previously developed and undeveloped land in the coastal zone  
Area of built-up space in the coastal zone (both the emerged and submerged area of the coastal zone)  
Water efficiency index (special reference to article 9.1c)  
Changes in size, density, and proportion of the population living on the coast  
Poverty index/index of social exclusion of population living in coastal zones versus inland population



### Next actions

- ICZM concept
- Videos on how to make SDI and tools for next week Virtual Forum capacity building/All results in the intranet and SDI
- From PEGASO results: organization of 2 envisioning /scenario workshop  
November: Mediterranean  
December: Black Sea
- Next General Meeting in Al Hoceima March/April 2012
- Regional workshops in non EU countries for capacity building




Muchas gracias / Moites gràcies / Eskerrik Askò / Moitas gracias / Dziekuje / Merci beaucoup / Много Благодаря / Obrigado / Paldies / Ευχαριστώ / Tack / Thank you very much / Dank u / Hvala / Köszönöm / Dekuj / Multumesc / Dakujem / Danke / Takk / Aitäh / Grazi / Kiitos / Grazie / Děkuji / Спасібo / Tesekkur ederim / شكرا / Dieuredieuf

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PEGASO Project is funded by the European Union within FP7 ENV 2009.2.2.1.4 - Integrated Coastal Zone Management

Specific Programme FP7 Collaborative Projects - Large scale integrating project Grant agreement n° 244170

Project coordination: Dr. Françoise Breton francoise.breton@uab.cat UAB - Universitat Autònoma de Barcelona / Spain

www.pegasoproject.eu



## ANNEX IV

### Presentation of the ICZM Stocktake analysis presentation by Mr. Petit

### THE ICZM STOCK-TAKE

Background, scope and results

### PURPOSES :

- > a benchmark for information for the future implementation of ICZM
- > a "reality check" for PEGASO – built on existing capacities to develop common approaches

...designed to measure **implementation not effectiveness**

## PEGASO PROJECT

Mediterranean Coast Day – Split, 26 September 2012

### Questions on the ICZM Protocol of the Mediterranean :

i.e. **GOVERNANCE, COORDINATION or MARINE HABITAT...**

Survey results

**53 QUESTIONS GROUPED BASED ON 16 THEMES OF PROTOCOL**

### THE QUESTIONNAIRE

Question →

Protocol ARTICLE →

## BASIS

Mediterranean Coast Day – Split, 26 September 2012

### Black Sea

### QUESTIONNAIRES DISTRIBUTED

NOVEMBER

21 Mediterranean

### Complex :

comparison of legal, institutional and cultural differences

- presentation even more difficult!

**There are nearly 1,400 narrative responses.**

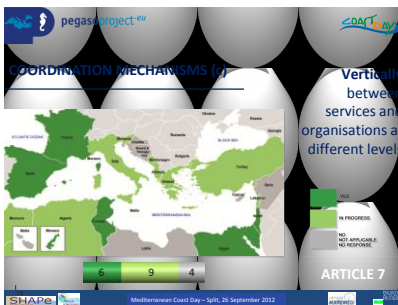
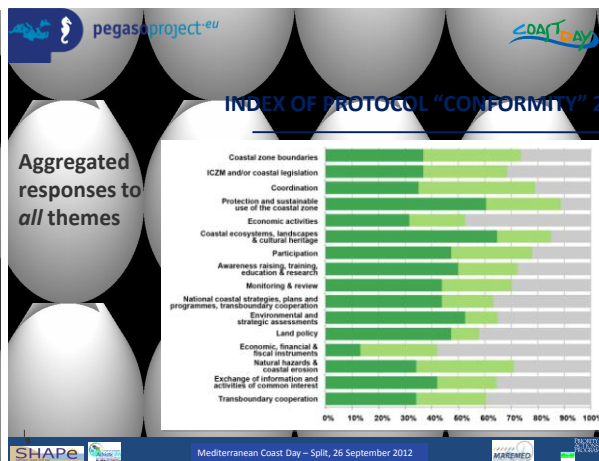
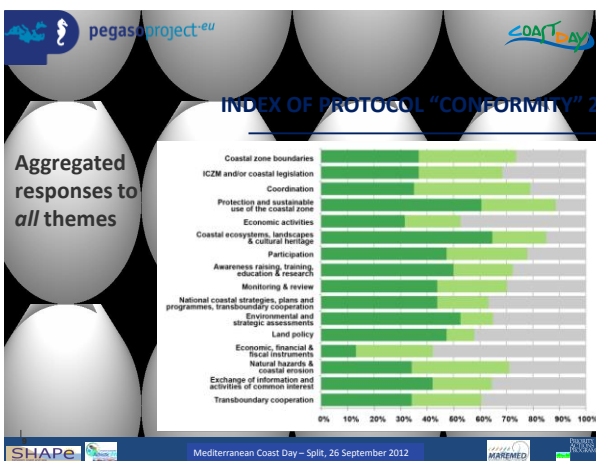
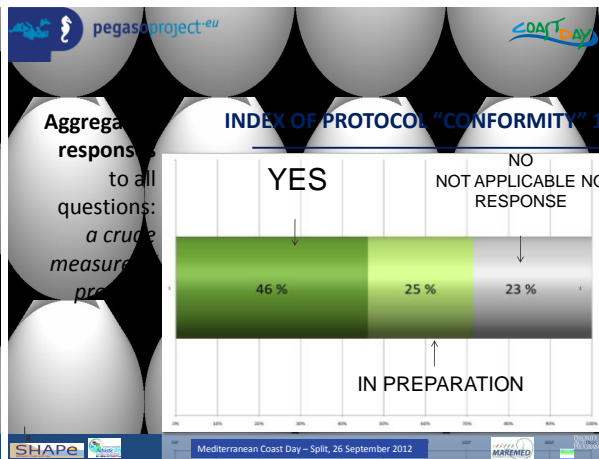
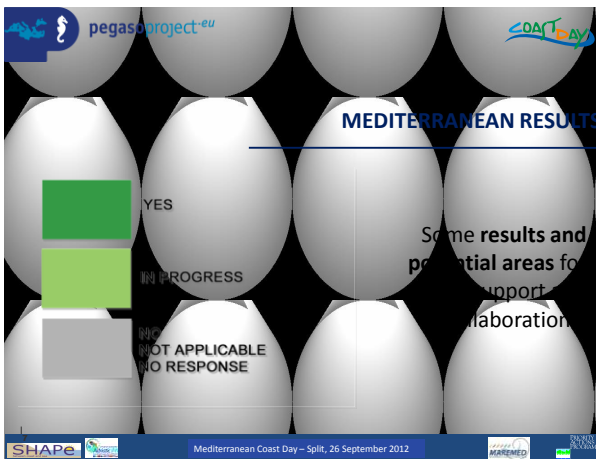
**Two caveats :**

- measure of implementation of policy and practice as perceived by the countries themselves

- The range of ICZM policy and practice is defined by, and limited to the Articles of the ICZM Protocol

## SOME GENERAL CONSIDERATIONS

Mediterranean Coast Day – Split, 26 September 2012



**ECONOMIC ACTIVITIES**

Specific economic indicators relating to the sustainable use of the coastal zone

Measures to protect and conserve

**SPECIFIC COASTAL ECOSYSTEMS – Marine Habitat**

**PARTICIPATION**

Measures to involve stakeholders (a) consultative bodies

ARTICLE 9: 6 4 9

ARTICLE 10: 14 5

ARTICLE 14: 12 6 1

**LAND POLICY**

Mechanisms for the transfer and management of coastal land in the public domain

**ECONOMIC, FINANCIAL & FISCAL**

Economic financial & fiscal instruments to support ICZM

Prevention, mitigation and adaptation measures to address natural disasters, in particular of climate change

**NATURAL HAZARDS & EROSION**

ARTICLE 20: 10 3 6

ARTICLE 21: 3 5 11

ARTICLE 22-23: 6 7 6

**INFORMATION & ACTIVITIES OF COMMON INTEREST**

Coastal management indicators defined

Bilateral or multilateral national strategies, plans and programmes in contiguous coastal zones

**TRANSBOUNDARY COOPERATION**

ARTICLE 27: 4 6 9

ARTICLE 28: 7 6 6

**CONCLUSION**

1. A high level of good practice and experience that could benefit the region as a whole through sharing
2. The Protocol clearly raises a number of new and difficult technical challenges that require guidance and training
3. Clear 'gaps' in the implementation of the Protocol where the general level of implementation is low across the region

These will be addressed in the final report along with the conclusions of the parallel results of the Black Sea stock-take and consultation with NFPs and others

SHAPE logo and Mediterranean Coast Day – Split, 26 September 2012

**HVALA / THANK YOU**

*sylvain.petit@ppa.t-com.hr*

SHAPE logo and Mediterranean Coast Day – Split, 26 September 2012



## ANNEX V

### Presentation of the SHAPE project by Mr. Bortone



**SHAPE**  
and the implementation  
of the ICZM Protocol

Split, 26 September 2012

**Giuseppe Bortone**  
Director General Environment, Soil and Coast Protection  
Emilia-Romagna Region (IT)

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SPLIT, 2012 September 26<sup>th</sup> Joint Meeting of Pegaso, Shape & Maremed projects

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Priority Actions Programme




**Introduction**

Shaping an  
**H**olistic  
**A**pproach to  
**P**rotect the Adriatic  
**E**nvironment:  
between coast and sea

**SHAPE** project  
is co-funded within the  
**IPA Adriatic Cross-Border  
Cooperation Programme**

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Priority Actions Programme



**General information**

**SHAPE**  
Sustainable Coast and Sea

**SHAPE is the only project approved within the First Ordinary Call of Adriatic IPA for Measure 2.1 "Marine & coastal environment protection and enhancement", And it has the second among considerable budgets**

**Start: March 2011**  
**Duration: 36 months**  
**Budget: 4,1 Mln €**

**Area : all the Adriatic Countries**  
**Lead partner: Emilia-Romagna Region**

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**What is SHAPE?**

- a cross-border cooperation project that aims at **sustainable development** of Adriatic maritime region
- it enhances a rational and efficient use of the sea and its assets & resources through **integrated approach**
- general objective**: create a **multi-level & cross-sector governance** to manage conflicting uses and users
- focus**: implement existing **Integrated Coastal Zone Management & Maritime Spatial Planning tools** in Adriatic area

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**The partnership**

**Albania**  
Env Centre for Admin & Tech, Tirana

**Montenegro**  
Public Enterprise for CZM

**Bosnia-Herzegovina**  
Ministry Civ Eng & Phys Planning HNC

**Croatia**  
Instit. of Phys. Planning, Istria Region  
PAP/RAC Split

**Slovenia**  
Regional Development Centre Koper

**Italia**  
Regione Emilia-Romagna  
Regione Veneto  
Regione Friuli Venezia Giulia  
Regione Marche  
ARPA Molise  
Regione Abruzzo  
Regione Puglia

Partners SHAPE  
Eligible IPA Adriatic  
CBC Programme Area

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**Associate Partners**

**Croatia**  
City of Pula  
Ministry for Environment  
Region of Istria

**Slovenia**  
Ministry of Environment and Spatial Planning  
Municipality of Piran

**Italy**  
Ministry of Environment, Land & Sea Protection

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## Why an Adriatic project on ICZM and MSP?



**Extraordinary value of Adriatic Sea** among world inland seas, fundamental for wellbeing and strategic for prosperity of Adriatic Countries: a great value (environmental, cultural, economic).

**Increasing pressures:** human activities in coastal and marine areas develop conflicting claims on space and resources that threat some of most sensitive and precious habitats & assets.

**Added value of cross-border cooperation:** many issues cross regional and national borders. Sharing a common approach to manage marine space in the same sea basin can allow a better facing of global challenges (climate change)

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## Framework references for ICZM and MSP policies



### ICZM: the Protocol

- entered into force 24th March 2011



**MSP: Roadmap for Maritime Spatial Planning** indicating 10 key principles COM(2008)791

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## SHAPE structure



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## General objectives (1)



- make human activities **sustainable** in maritime & coastal area
- manage & solve **conflicts among different uses & users** and support the decision-making processes
- strengthen the **role of ICZM** to the Adriatic region scale and build the basis for national and local strategies
- enhance **Maritime Spatial Planning** (MSP) in the Adriatic area basing on EU key principles
- reach a good level of coherence between spatial planning of land and sea, in order to create a **link between ICZM & MSP**

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## General objectives (2)



- improve the **institutional structure**, involving stakeholders and arising public awareness
- share data & experiences as a common basis of knowledge to allow a **coherent & aware governance** for the maritime and coastal environment
- develop a **coherent framework** of Adriatic Sea, contribute to EMODNET & objectives of Marine Framework Strategy
- coordinate** activities in Adriatic Sea with other experiences in the European framework
- create an **Adriatic Network** to enhance **synergies** among different projects

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### WP2 Communication & Dissemination

**Coordinator:** Emilia-Romagna Region (Italy)

**Objective:** develop a **transnational cross-border coordinated approach** under both strategic and operational point of view develop **synergies** with other similar project in the EU context

**First Results:**

- creation of **SHAPE web portal** including the **Adriatic Regional Forum** on coastal Sustainability
- social networks:** follow SHAPE on Facebook and Twitter!
- International Conferences:** (Bari, Venice) in cooperation with Partners

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### Developing synergies: the FACECOAST cluster

Face the challenge of climate change in the med coastal zones

**Aim:** gather & **capitalize contributions** of EU projects concerning coastal defense against natural & anthropogenic risks in the frame of adaptation to climate change & sustainable development policies.


**Target:** promote an **exchanging space on Med coastal defense** against erosion, flooding hazards and consequent risks, taking into account ICZM approach and extra-Med experiences.

Therefore coastal defense is open towards other **interdisciplinary & multi-sectoral contributions** (projects) as "link units" through which exchange with other interlaced issues.

**SHAPE joined FACECOAST cluster in March 2012.**

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### WP3 Integrated Coastal Zone Management

**Coordinator:**  
PAP/Regional Activity Centre in Split (Croatia)

**Objective:**  
develop an **integrated approach** to manage the multiple, interwoven, overlapping interests of coastal areas in a coordinated & rational way, harnessing **coastal resources** for optimum social & economic benefit for present & future generations, maintaining a **good environmental status**.

**ICZM** is a continuous process of achieving such goals & objectives of **sustainable development** in coastal areas.


PAP/RAC provides its expertise and know-how in **implementing the ICZM Protocol**.

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### Implementing the ICZM Protocol through WP3 First Results

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### WP3 First Results...

**3.1 Analysis of current national legislation and comparison with ICZM Protocol:**  
PAP/RAC prepared a common outline for Partners to elaborate reports on national/local ICZM Practice in comparison with Protocol provisions the PAP/RAC outline is being used for MAREMED - Pilot Action A

**3.2 Definition of the setback zone**  
PAP/RAC prepared an explanatory report on **Protocol Art. 8** as a term of reference for Partners to elaborate **pilot actions** aiming to test the implementation and applicability of these Protocol provisions the PAP/RAC report & the Emilia-Romagna setback line definition approach are being used for MAREMED - Pilot Action B

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### WP3 ...First Results

**3.3 Outline for the ICZM National Strategies for the Adriatic Countries:**  
PAP/RAC is elaborating a draft proposal for the elaboration of National ICZM Strategies as defined in **Art. 18 of the Protocol**

**3.4 Institutional coordination**  
PAP/RAC prepared an explanatory report on **Protocol Art. 7** provisions in order to draft the proposal for setting up a common general governance framework for ICZM

**Next Steps**  
PAP/RAC shall organize & implement the **MedOpen course** workshop September-November 2013

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### WP4 Shipping towards Maritime Spatial Planning

**Coordinator:**  
Progetto Venezia Department Veneto Region (Italy)

**Objective:**  
**manage conflicts** among different uses & users on marine space & resources, mitigate impacts by carrying out an **holistic analysis of maritime space** to support the development of coherent pictures and the elaboration of spatial plans, integrating existing policy tools.

evaluate how to **integrate environmental aspects in MSP**, also according to **WFD and Marine Strategy** implementation.

WP4 aims to create a **methodology ad hoc for planning in maritime areas** in the Adriatic Region and to test MSP at local scale by common data processing and mapping.


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### WP4 First Results:

- integrated analysis of legal framework, policies & planning instruments:** coordinator is gathering Partners reports aiming to develop an holistic approach to a common and legally binding planning.
- data required for MSP:** WP coordinator prepared a table following Marine Strategy requirements to gather information on availability/ownership/format of data in each Partner's regions.
- integration between MSP & ICZM:** WP coordinator is supervising Partners' elaboration of drafts for **pilot actions** aimed at testing such integration

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### WP5 Within land and sea


**Coordinator:**  
Regional Development Centre Koper (Slovenia)

**Objective:**  
promote the **integration between ICZM & MSP** in the Adriatic area, reach coherence between terrestrial and marine spatial planning.

develop a demonstrative **GIS Atlas for Adriatic basin** as a **common & exhaustive knowledge base**, able to integrate coastal & marine databases at different scales, a tool to support decision making processes.

The goal is to define the **most relevant common topics** to be considered at regional scale for integrating ICZM & MSP, not only legal basis but also who the **potential users** are, which **functionalities** they need or expect GIS to have and the **purpose** (processes, actors, input elements, output elements).


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### WP5 First Results:

- definition of most relevant topics & contents:** collection & analysis of relevant topics/legislative frameworks using **top-down method** (from UN, EU, regional, national to local level), in **coordination with results of WP3 & WP4**, considering existing relevant GIS applications and similar relevant projects
- analysis of users demands:** coordinator elaborated a specific **questionnaire** and **semi-structured interviews** to potential GIS users (government, regional, provincial & local administrations, international organizations, scientific community & public) in order to define their purposes, data requirements, classify and describe information and their relationships, etc.

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### Thank you for your attention!

<http://www.shape-ipaproject.eu/>

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## ANNEX VI

### Presentation of the MAREMED project by Ms. C. Lochet



**MAREMED**  
IS DEVELOPED WITHIN THE FRAMEWORK OF THE CREATION OF AN  
**INTEGRATED MEDITERRANEAN MARITIME POLICY**  
(COM (2009) 466 FINAL - 11.09.2009)

- ❖ Coordination of regional maritime policies, between themselves and with National, European and Mediterranean levels; (35M)
  - ❖ The project target those constituents of maritime policy bearing an intrinsic transnational dimension;
  - ❖ Governance
  - ❖ **Integrated Coastal Zone Management (ER Region)**
  - ❖ Pollution (WFD, oil spill)
  - ❖ Adaptation to climate change in coastal zones
  - ❖ Fishing
  - ❖ Management of coastal and maritime data
- The partnership with the CPMR allow the results to be shared with the fifty Regions of its inter-Mediterranean Commission; and with the other commissions



#### DIAGNOSTIC

*For each policy, with all partners*

- ❑ Very important sample of cases to evaluate the real application of the principal EU Directives and legislations in the coastal management issues. Euro mediterranean context..
- ❑ INSPIRE, WFD, Marine Strategy, ICZM recommendation-Protocol, Flood Directive, Governance recommendation...
- ❑ Big exercise of internal governance for each regional teams!
- ❑ The focal point of MAREMED had to do big efforts to find and collaborate with the other offices to obtain the information (ICZM quest).
- ❑ Historical cooperation (BEACHMED)



#### STRATEGIC AND PILOT ACTIONS

##### EXAMPLES

*-Five years after ..Bologna Charter 2012*

New political document

*-Proposals for financial instruments*

Suggestions for the development of financial instruments for the next 2014-2020 scheduling to facilitate improved sectoral and geographical integration of maritime policies (basin scale): ERDF, Mediterranean programs (MED, ENPI, Marittima) ...

*-Information of EU DG on the application of the principal Directives and legislations*

*-Propositions for the development of a multi level governance- like today?*



#### PILOT ACTION FOR MARITIME GOVERNANCE

##### ✘ Heraklion 3th and 4th April 2012

Political representant of maritime regions to enforce the political message for the Commission ;

*The Regions are a key scale of the coastal and maritime management and they must be taken into account in European governance process for the European coastal policies.*



#### DATA AND CARTOGRAPHY

##### ➤ Genova 24<sup>th</sup> April 2012

DG MARE – DG ENV

Information on the application of the INSPIRE Directive,

Implementation of Regional data in EMODNET

Discussion about the next green paper for coastal and marine data (september 2012)

ICZM bases of management... Data theme of PEGASO



## FISHING

- ✦ **Ancona 15-16 June 2012 – International Fishing Fair**
- ✦ Strategic meeting about the Common Fishing Policy – Mediterranean point of view  
DG MARE – EU MEPS  
Management Plans, FEAMP, Pescatourism,



## ICZM CLUSTER ACTION

- ✦ **Mediterranean Coast Day (Sept 2012)**
  - ✦ **Split PAP/RAC**
- ✦ MAREMED – SHAPE – PEGASO–PERSEUS
- ✦ Joint action to increase the ICZM application in a « true life » way  
Context of a possible EU Directive for MSP and ICZM in addition to Mediterranean protocol for Mediterranean countries



## MAREMED EXERCISE PILOT ACTION – POLLUTION OCT 2012

*During the Presidency of EU by Cyprus*

Organisation by the Partner of MAREMED ; LARNACA DISTRICT (in coordination with the State of Cyprus)  
During 3 days in cooperation with the CEDRE

### *Previsional Program*

- 1 Day of European conference about oil spill pollution
- 2 Days of training and exercise on the beaches of Cyprus
- Representative of EU Civil security (DG ECHO),
- Representative of REMPEC organization



## MAREMED RESULTS IN THE EU PARLIAMENT

[WWW.MAREMED.EU](http://WWW.MAREMED.EU)

- ✦ *Brussels March 2013 - CPMR*
- ✦ *Results and messages of MAREMED Regions about the coastal and maritime policies (including « protocol ») approved by the CPMR/IMC Regions*

**JOIN US !**





## ANNEX VII

### Presentation of the MedPartnership by Ms. Povh-Škugor



Daria Povh Škugor  
PAP/RAC Programme Officer  
daria.povh@ppa.t-com.hr



#### MedPartnership

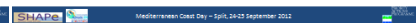
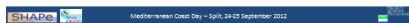
- The largest joint initiative in history of Mediterranean
- Builds upon the previous GEF projects SAP-MED, SAP-BIO & TDA (2002 – 2006)
- In preparation since 2005, launched in 2009
- **Implementing Agencies:** UNEP
- **Executing Agencies:** Coordinating Unit of the UNEP/MAP and its associated RACs: CP/RAC, SPA/RAC, PAP/RAC, and INFO/RAC; General Fisheries Commission for the Mediterranean (GFCM); UNESCO/IHP; WWF, GWP-Med, MIO-ECSDE; METAP, MEDPOL and the World Bank



#### MedPartnership

The MedPartnership works through 2 lines of actions:

- **Regional Project** (technical and policy support led by UNEP/MAP ); and
- **Investment Fund/Sustainable MED** (project financing led by the World Bank).
- **Budget (USD):**  
Regional Component: 11,891,000 GEF + 35,597,700 co-financing  
Investment Fund: 75,000,000 GEF + over 700 million co-financing (to be confirmed)



### Component 1



#### Integrated Approaches for the Implementation of the SAPs and NAPs: ICZM, IWRM and Management of Coastal Aquifers

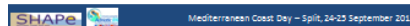
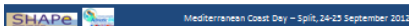
Responsible partners:

- PAP/RAC
- GWP – Med
- UNESCO - IHP

### PAP Activities



1. Integrative Methodological Framework
2. Harmonising national legal and institutional framework with the ICZM Protocol
3. Support to the preparation of the National ICZM Strategies
4. Application of ICZM approach, tools & techniques in demonstration areas



### Integrative Methodological Framework (IMF)



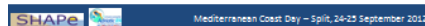
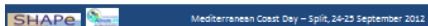
- Activity launched to respond to the need to converge the methodologies for coastal, river basins and aquifer/groundwater management
- Mutual goal, but with the different focus
- New triggers: ICZM Protocol and the WFD, additionally MSFD
- Converging methodologies for policy consistent solutions



### Harmonising national legal & institutional framework with ICZM Protocol



- Synergy with PROTO-GIZC project realised through upgrade of PROTO-GIZC outputs:
  - "An introduction to the analysis of the technical and legal aspects of the ICZM Protocol"
  - "Case study on the impact of the ICZM Protocol on the national legislative and institutional framework in Croatia"
- Synergy with SHAPe project – French version of the output:
  - "Implementation of coastal setbacks: An explanatory report of Article 8 of the ICZM Protocol – issues to be considered"
- Regional Workshop for legal experts/spatial planners scheduled for **October 25-26, in Zagreb, Croatia**



### National ICZM Strategies



- Analysis of National Coastal Management Strategies
- Guidelines for preparation of National ICZM Strategies
- Regional workshop in Istanbul, June 2011
- Guidelines presented to PAP/RAC focal points in Dubrovnik, October 2011
- Two National ICZM Strategies under development (Algeria & Montenegro)



### Buna/Bojana TB Integrated Management Plan



#### CHALLENGES

- Responding to WFD and ICZM Protocol
- Transboundary integration
- Integrating objectives and approaches of partners
- Different national systems

#### ISSUES

- Different legal document with different level of details
- Challenge to find flexible and adaptive national coordinators ready to improvise

#### OPPORTUNITIES

- Consistent solutions to different legal requirements
- Rationalisation of resources
- Holistic planning
- Building national capacities
- Replication to other areas



### Buna/Bojana TB Integrated Management Plan



**PROGRESS**

- Sectoral reports drafted
- Meetings with stakeholders and national experts
- Initial preparation of joint Plan

**NEXT STEPS (2012/2013)**

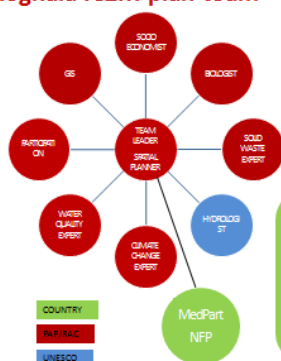
- Developing first draft with national experts
- Steering Committee meetings
- Consultation workshops with stakeholders
- Second draft and programme of measures
- Stakeholders consultation
- Final Integrated Management Plan

### Algerian ICZM Strategy & Reghaia Coastal Plan



- Area of the high natural value, with high anthropogenic pressures
- Harmonised preparation of the ICZM Strategy and of its application at the local level through Reghaia Coastal Plan
- UNESCO –IHP, Conservatoire du littoral and SPA/RAC involved in both activities

### Reghaia ICZM plan team



**NEXT STEPS (2012/2013)**

- Analysis report drafted
- 2nd harmonisation meeting: 20th November
- Consultation workshops with stakeholders
- Drafting Reghaia Coastal Plan
- Stakeholders consultation
- Final Coastal Plan Reghaia

### NEW GEF PROJECT



- Integration of climatic variability and change into national strategies to implement the ICZM Protocol in the Mediterranean
- GEF financing 2,454,545 USD
- Co-financing 3,000,000

**Implementing Agencies:** UNEP  
**Executing Agencies:** UNEP/MAP-MEDU, PAP/RAC; BP/RAC and GWP-Med

### PAP Activities



#### COMPONENT 2

- Assessment of environmental and socio-economic impacts in two critically vulnerable sites and evaluation of response options

#### COMPONENT 3

- Methodology and tools for mainstreaming climate variability considerations into national ICZM planning and practices developed considering synergy with other related national plans
- Integrated management plan
- Awareness raising, policy dialogue and capacity building process on implications of climate variability, ICZM protocol and other related national policies

### COMPONENT 2: Assessment of environmental and socio-economic impacts



- DIVA (Dynamic and Interactive Vulnerability Assessment) is an integrated, global research model for assessing the biophysical and socio-economic consequences of sea-level rise and associated extreme water levels under different physical and socio-economic scenarios as well as by considering various adaptation strategies.
- DIVA has been widely used in a number of projects like PESETA, CLIMATE-COST, ADAM and BRANCH projects, in UNFCCC report concerning coastal adaptation, in an Asian Pacific Network's integrated vulnerability assessment of coastal areas of South-East and East Asia, in COMPASS project with the partners in Argentina, Brazil and Chile and in many more.

### CONCLUDING REMARKS



- **ICZM Protocol** provides a solid foundation for building of partnerships
- Implementation of the **ICZM Protocol** depends on all Mediterranean coastal stakeholders



**iczm** a better way  
visualising the coastal future you want  
...enabling you to achieve it



Thanks for your attention...



## ANNEX VIII

### Presentation of the PERSEUS project by Mr. Le Tellier



**Grant agreement no: 287600**

FP7: 'Cooperation' Programme  
Theme: Environment (including climate change)  
[FP7-OCEAN-2011]

[Assessing and predicting the combined effects of natural and human-made pressures in the Mediterranean and the Black Sea in view of their better governance]



### FP7-OCEAN-2011- Rationale

- To implement the European Strategy for Marine and Maritime Research / COM (2008)534
- To support the Europe 2020 strategy and the EU policies (Maritime policy... MSFD, IMP, CFP), links with the regional sea conventions (UNEP/MAP and BSC)
- To respond to the Council's call for an emphasis on the Mediterranean and the Black Sea basins (Nov. 2008)



*A knowledge bridge between Southern and Western Europe!*



### FP7-OCEAN-2011- Rationale

- To implement the European Strategy for Marine and Maritime Research / COM (2008)534
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*A knowledge bridge between Southern and Western Europe!*




### PERSEUS Project - Key Figures

- Project Duration: 48 months
- Start: 1st of January 2012
- 10 Work Packages
- Budget 12,973,124.40 €
- 2,297 man/months
- Website: <http://perseus-net.eu>



### PERSEUS Partnership


- 22 countries
- 54 partners
  - 66 Institutes & Universities
- 2 Subcontractors
- More than 300 scientists



### Objectives

- To identify the interacting patterns of both natural and human-derived pressures on the SES, and proceed with the assessment of their impact on the marine ecosystems;
- To develop tools for the evaluation of the environmental status using existing and upgraded monitoring and modelling capabilities;
- To implement the principles and objectives put forward in the MSFD and promote them across the SES;
- To provide opportunities for scientific cooperation and networking between scientists from EU and non-EU countries;

*The PERSEUS project will work towards a framework for future implementation of adaptive policies and management schemes.*



### Some key-words

- Support for the implementation of the MSFD principles across the SES and development of an appropriate APF
- Inter-disciplinarity and integration in Marine Sciences in SES
- A shared vision for the Ocean for Tomorrow Joint Call
- Dialogue with the stakeholders; Governance; APF
- Training, capacity building, and education
- Communication, dissemination and outreach


EXPECTED IMPACT

European scientific cooperation

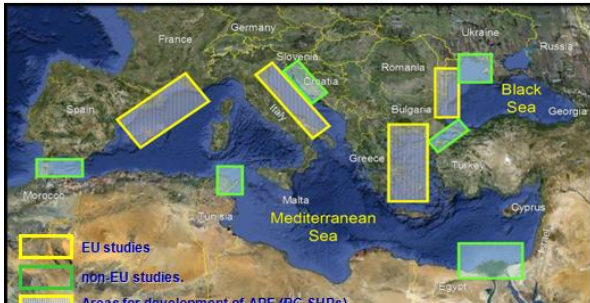
EU MSFD

GES of SES

Stakeholder Dialogue

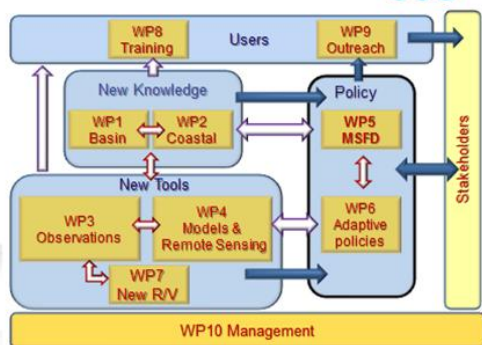


### Areas for demonstration of the MSFD principles and development of Adaptive Policy Framework (APF)



- EU studies
- non-EU studies
- Areas for development of APF (PC SHPs)

## Work Flow – 4 “clusters”



## WP6: Adaptive policies and scenario

### WP6 Participants:

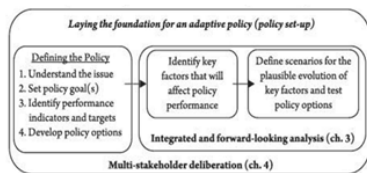
CSIC (SP), Plan Bleu (FR), BC3 (SP), CMCC (IT), PML (UK), UoP (UK), DELTARES (NL), UU (NL), AEGEAN (GR), BSNN (BU), TSU (GG), ECOLOGIC (DE)



## WP6 – Adaptive Policies & Stakeholder Dialogue



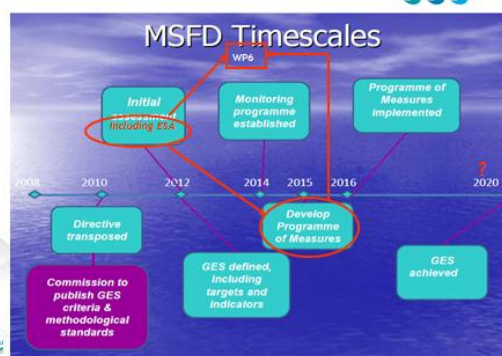
**Adaptive Policies:** Systematic process for continually improving management policies and practices by learning from the outcomes of previously employed policies and practices (MA definition)



Adapted from Darren Swanson and Suruchi Bhadwal, 2009

**Multi-stakeholder platforms:** A decision-making body comprising different stakeholders, who perceive the same problem, realise their interdependence for solving it and come together to agree on action strategies for solving the problem » (Stein & Edwards, 1998)

## WP6 and MSFD



## APF / 4 PCs / SHPs



Building and moderating **Stakeholder platforms** with relevant experts and decision-makers in 4 PCs and at the regional level (Med & BS basins / SES)



### 4 PCs in EU waters:

- West Mediterranean:
  - Gulf of Lions - Catalan Sea;
- Central Mediterranean:
  - Northern Adriatic Sea;
- East Mediterranean:
  - Aegean Sea - Saronikos Gulf;
- Western Black Sea: Romania and Bulgaria.

## SH involvement



### Participatory process - Main steps

- Step 1: Stakeholder identification (lists, harmonized tables)
- Step 2: Stakeholder selection
- Step 3: Stakeholder analysis/mapping
- Step 4: SHPs setting-up (invitation, contact, interview...)
- Step 5: Rules for the participatory process within SHPs
- Step 6: Facilitating commitment of SHPs' members
- Step 7: Sharing objectives, implementing participatory actions, identifying possible problems as well as possibilities of actions and alternatives to solve conflicting situations.
- Step 8: Defining together adaptive policies for achieving or maintaining the GES (in PC areas + regional scale)
- Step 9: Analysing and sharing the outcomes with stakeholders
- Step 10: Identifying and assessing programmes of measures
- Step 11: Consultation, negotiation, decision and agreement
- Step 12: Lessons learned



## Preparation of SHPs – Main steps



- Stakeholder Identification: as comprehensive as possible (done)
- Stakeholder Selection / most motivated persons (done)
- Setting-up of the Stakeholder Platforms and commitment of their members (October 2012): official invitation & basic information regarding PERSEUS expectations
- 1<sup>st</sup> SH consultation: questionnaire + face-to-face interviews (Oct. - Nov. 2012) & synthesis of their needs and expectations regarding APF to prepare functional specifications (Nov. - Dec. 2012)
- Stakeholder Mapping (by the end of 2012)
- 1<sup>st</sup> Stakeholder Meeting back-to-back with the Umbrella Workshop (January 2013)

More information:

PERSEUS: [www.perseus-net.eu](http://www.perseus-net.eu)

Plan Bleu: [www.planbleu.org](http://www.planbleu.org)

Contact: [jiletellier@planbleu.org](mailto:jiletellier@planbleu.org)



## ANNEX IX

### Presentation of ResMar project by Mr. Cipriani

 <p>Programma cofinanziato con il Fondo Europeo di Sviluppo Regionale</p> <p>Programme cofinancé par le Fonds Européen de Développement Régional</p> 	 <p><b>Lead partner</b> Region Liguria, Department of Environment</p> <p>+ 18 Partners <b>Regions and Local Bodies :</b> Region Sardinia, Region of Tuscany, Office of Environment of Corsica Hydraulic Equipment Office of Corsica, Météo France Province of Olbia Tempio, Province of Livorno, Province of Massa Carrara</p> <p><b>Regional Agencies</b> ARPA Liguria, ARPA Sardinia, LAORE, Consortium LAMMA</p> <p><b>Universities</b> University of Genoa – Dipteri; University of Corsica; SSSUP – Scuola Superiore Sant'Anna - Pisa</p> <p><b>Private organization:</b> Ambiente Italia Srl</p>
 <p><b>What about the general objective of RES MAR?</b></p> <p><b>Sustainable and integrated management of resources: coasts, water, soil</b> (analysis and assessment of environmental impacts on territories, individuation of tools and strategies to be tested)</p>	 <p><b>What about RESMAR objectives?</b> <b>3 specific objectives, 7 subprojects</b></p> <ol style="list-style-type: none"><li><b>1. Coast protection:</b> To increase and enforce monitoring and management systems of coast erosion (Subprojects A and B)</li><li><b>2. Water and soil defense:</b> The protection, the monitoring and the management of groundwater and surface water; civil protection (subprojects E, F, G)</li><li><b>3. Governance:</b> testing of innovative models for territorial governance processes in tourist and rural areas (subproject D models for waste management in coastal areas, subproject H cluster approach for agriculture enterprises)</li></ol>
 <p><b>What about RES MAR results?</b></p> <p><b>Sharing and acting sustainable management models</b> (For example: new tools to monitor coastal erosion: web cam on beaches; networks on the best practices of coast defence)</p>	 <p><b>Concrete products... for example</b></p> <ul style="list-style-type: none"><li>Web cam for coastal erosion monitoring (A)</li><li>A cross border Centre for the study on coast defence (B)</li><li>Model on waste management on coastal municipalities (D)</li><li>Radar for weather forecast (E)</li><li>Model for the monitoring of groundwater level flow (F)</li><li>Model of management of catchment basin (G)</li><li>Agreement among stakeholders for the sustainable agro-industrial production (H)</li></ul>
 <p><b>MORE INFORMATIONS ABOUT RES MAR PROJECT:</b> <a href="http://www.res-mar.eu">www.res-mar.eu</a> (Italian and French languages)</p> <p><b>OR CONTACTING THE STAFF OF LIGURIA REGION:</b> <b>Laura Muraglia</b> – project management - <a href="mailto:laura.muraglia@regione.liguria.it">laura.muraglia@regione.liguria.it</a> <b>Simona Ferrando</b> – administrative and technical coordinator - <a href="mailto:simona.ferrando@liguriaricerche.it">simona.ferrando@liguriaricerche.it</a> <b>Irene Sanguinetti</b> - technical coordinator - <a href="mailto:irene.sanguinetti@liguriaricerche.it">irene.sanguinetti@liguriaricerche.it</a></p>	

# ANNEX X

## Presentation of the Bologna Charter by Mr. Montanari

Joint meeting PEGASO - SHAPE - MAREMED projects  
26 September 2012 - Split, Croatia (HR)

**Making synergies between Mediterranean Regions**

**the Bologna Charter 2012**

EUROPEAN REGIONS CHARTER FOR THE PROMOTION OF A COMMON FRAMEWORK FOR STRATEGIC ACTIONS AIMED AT THE PROTECTION AND SUSTAINABLE DEVELOPMENT OF THE MEDITERRANEAN COASTAL AREAS

Roberto Montanari  
Soil and Coast Defence and Land Reclamation Survey  
Directorate General for Environment, Soil and Coast Defence

**Overview**

- the background and the Bologna Charter 2007
- steps beyond, networking and cooperation
- why a new political Charter?
- contents of the Bologna Charter 2012
- closing remarks and next steps

**A relevant issue...**

IPCC indicates the Med basin as a hot spot for Climate Change

Increase of anthropic pressure, loss of coastal resilience

25 Million people in 1950  
76 Million in year 2000  
in 2025 about 90 Million (EU)  
186 Million whole Med coasts  
584 coastal cities today  
318 cities in 1950

Increase of erosive phenomena and marine Ingression events

By 2080 ≈ 160 Bill€ damages expected, possibly limited to 20 Bill€, including adaptation cost, if adequate prevention policies are implemented

**Public Administrations in charge for coastal management look for strategic approach to efficiently face:**

- coastal zones protection within ICZM implementation
- coastal zones adaptation to expected climate change (adapt development programmes)
- sustainable planning & intervention programming in the coastal zones
- sustainable use of resources and planning of maritime space (MSP)
- government of conflicts & compatibilities in coastal zones and maritime spaces
- design of future scenarios for coastal zones and maritime spaces uses and sustainable growth

**Diagram:** Causes (Climate Change, Socio Economic Development, Natural Processes, Anthropic Processes) → Effects (Pollution, Erosion, Flooding, Salt Intrusion, Calamities) → Impacts → Management Responses.

**Common vision and integrated policies**  
Med basin and sea regions scale

The area of interest and the scale of the phenomena entail:

- need to face the challenge at the basin scale
- cooperation among Public Administrations in charge for coastal management
- involvement of Research/Scientific Bodies and Stakeholders

This means to get:

- Common vision of coastal and maritime related problems to be tackled
- Sharing of surveying and monitoring methods and data
- Interoperability of the different coastal and maritime data and information systems
- Sharing of a strategic framework of solutions and actions to be implemented
- Cross-border integrated policies, tools and planning instruments

**Experiences framework**  
the capitalisation and the mainstreaming issues

tools and methodologies for risk assessment, coastal defence and governance

application of best practices for monitoring and planning

network among Public Administrations and coastal observatories

advanced tools, methods, organisation models for governance, integrated management and sustainable development of coastal areas

Capitalisation, development and mainstreaming of experiences, tools, results, working methods, ripened in already implemented or ongoing cooperation projects, will be key issues in the next EU programming period

**The Bologna Charter 2007**  
fostering the Med Regions Networking and the EURIOMCODE feasibility study

February 2007: 5<sup>th</sup> Baasdamda Steering Committee in Bologna, signature of the "BOLOGNA CHARTER"

EUROPEAN REGIONS CHARTER FOR COASTAL AREA PROTECTION AND FOR THE PROMOTION OF A EUROPEAN INTERREGIONAL OBSERVATORY FOR MEDITERRANEAN COASTS DEFENCE (EURIOMCODE)

Signing Regions: Emilia-Romagna (I), Lazio (II), Toscana (III), Liguria (IV), Langue-Roussillon (V), Département de l'Hérault (VI), Catalunya (VII), Corse (VIII), East Macedonia & Thrace (IX)

**Steps beyond 2007 signature**  
extending and consolidating partnership networking

COASTANCE: OP MED project (2009-2014) focused on urban, regional policies, competition, innovation, EU, Transport, Energy, Migration, Mobility & Culture, Competitiveness, Employment, Education in Med Region and Cooperation

MED Network: OP MED project (2009-2014) focused on urban and maritime development and cooperation

MAREMED: OP MED project (2009-2014) focused on urban and maritime development and cooperation

face coast: born in 2011 following the OP MED Digitalisation process and creating tools, the participation of projects focused on the Med coasts by different EU Programmes and themes, fostering the involving of Frameworks MacroProject

**Steps beyond 2007 signature**  
the COASTANCE Final Declaration (27 March 2012, Kmotir - GR)

- Refining and updating the "Bologna Charter" in an expression of political will in favour of a further on research for coastal defence, and also for the territory and to be achieved by strengthening the role of the Mediterranean Coastal Administrations in national policies (ICZM - CC Adaptation - Marine Strategy - Integrated Maritime Policy - Maritime Spatial Planning)
- Designing a Strategic Macro-Project (SMACOP) as the sum of coordinated initiatives in the following areas:
  - To build a network of the existing coastal Observatories (EURIOMCODE proposal) aimed to identify common standards in coastal services activities (MSP), analyse coastal morphological dynamics in the Mediterranean and their monitoring services even by creating a European group of technical cooperation (ECTC)
  - To agree on the State and flood hazard along the Mediterranean coasts by the initiative EURIOMCODE with the support of the European Commission in order to implement what was done for all European coasts (EURIOMCODE 2007) but in a much more detailed way fully suitable for territorial planning at a regional level and compatible with coastal protection and which could be promoted by a number of European Regions
  - To individualise and improve coastal services and resources in the Mediterranean in order to face the effects of Climate Change and coastal erosion phenomenon
- Establishing specific structures at regional/departamental level - whatever existing - for the management of coastal risk, erosion phenomenon and sediment control in the Mediterranean coastal areas
- Implementing coastal OBSERVATORIES (SMACOP) in order to strengthen cooperation, monitor results, build reputation, capitalise the experience and promote sustainable coastal management in the Mediterranean basin

to European Commission  
DG REGIO, DG ENV, DG MARE



**Regione Emilia-Romagna** The BOLOGNA CHARTER 2012 **MAREMED**

### Why a new political charter ?

supporting Med Regions cooperation, policies definition and implementation

- propose a concrete actions framework (2014-2020) for the protection, CC adaptation, governance and sustainable growth in the Mediterranean coastal zones
- consolidate and further develop maritime Regions cooperation in the Mediterranean area
- strengthen the role of Med Regions in the implementation of EU policies for coastal and maritime matters (ICZM, MSP, MS, CC adaptation, Flood Directive, WFD)
- solicit adequate EU policies in the 2014-2020 period for the Mediterranean coastal zones and maritime space coping with the challenge driven by climate change

Adriatic IPA  
R. Montanari - Using synergies between Med Regions: The Bologna Charter 2012 - Joint meeting MAREMED, SHAPE, PEGASO projects, 28<sup>th</sup> September 2012 - Spil (FR)

**Regione Emilia-Romagna** The BOLOGNA CHARTER 2012 **MAREMED**

### The reference framework of the Bologna Charter 2012

The White Paper on Climate Change adaptation COM(2009) 147

The Directive 2007/60/CE on the assessment and management of flood risks

the ICZM Protocol

- Signed in Madrid (21 January 2008) by 14 Med Countries and the EU
- 13 September 2010 Decision of the EU Council for ratification (2010/631/EU)
- entered into force the 24 March 2011
- establish a common framework for integrated management of the Mediterranean coastal zones

the Roadmap for MSP COM(2008)791 indicating 10 key principles

- for the sustainable management of maritime activities
- according to an integrated approach
- extending beyond the coastal waters
- fostering the implementation of international and EU instruments

Maritime Spatial Planning

Adriatic IPA  
R. Montanari - Using synergies between Med Regions: The Bologna Charter 2012 - Joint meeting MAREMED, SHAPE, PEGASO projects, 28<sup>th</sup> September 2012 - Spil (FR)

**Regione Emilia-Romagna** The BOLOGNA CHARTER 2012 **MAREMED**

### Building a "Macro-project" for the 2014-2020 period

a Strategy for the Med coastal zones CC adaptation, protection and sustainable growth

- to build a network of the existing coastal Observatories (EURIOMCODE proposal) and to promote the establishment of specific structures, where needed, at local and regional level
- to survey erosion status and flood hazard along the Mediterranean coasts (EUROSION-Med proposal) suitable for territorial planning at a regional level
- to promote the sustainable use of the coastal territory as strategic resource, in order to mitigate the "littoralisation" processes (supporting ICZM Protocol and governance tools implementation)
- to individuate and promote the sustainable use of the coastal and submarine stocks of sediments as strategic resource to face coastal erosion and marine ingression risks (SedMed-Search proposal)
- to foster integrated approach and planning along with the principles of Integrated Coastal Zone Management and Maritime Spatial Planning
- to design and execute structural works along Mediterranean coasts consistently with the integrated planning processes (adaptation policies, sustainable growth)

Strengthening Med Regions role  
Regions as promoters and developers of a Macro-project for the Mediterranean coastal zones

Coastal Observatories network

Adriatic IPA  
R. Montanari - Using synergies between Med Regions: The Bologna Charter 2012 - Joint meeting MAREMED, SHAPE, PEGASO projects, 28<sup>th</sup> September 2012 - Spil (FR)

**Regione Emilia-Romagna** The BOLOGNA CHARTER 2012 **MAREMED**

### Support actions to the BC2012 initiative

Signatory Administrations networking and initiatives/projects implementation

- Extending the space of cooperation at the Med scale (including South and East bounds) with other Administrations or international bodies, organisms and initiatives concerned with similar issues
- Supporting projects-clustering initiatives like the FACECOAST Med-Cluster
- Supporting the formulation of the Macro-Project outlined in the Charter (preparation of a proposal for the OP MED Call for Capitalisation projects 2012)
- Designing and implementing projects (action lines) of the Macro-Project in the period 2014-2020 (EU territorial cooperation programs, Cohesion and ERDF funds destinations)
- Stimulating EU in launching / supporting initiatives (2014-2020) at the Med basin scale, such as the ones proposed (EURIOMCODE, EUROSION-MED, SedMed-Search), with a key role for coastal Regions
- Promoting the consolidation of the partnership even through more structured initiatives, such as an European Grouping for Territorial Cooperation

Adriatic IPA  
R. Montanari - Using synergies between Med Regions: The Bologna Charter 2012 - Joint meeting MAREMED, SHAPE, PEGASO projects, 28<sup>th</sup> September 2012 - Spil (FR)

**Regione Emilia-Romagna** The BOLOGNA CHARTER 2012 **MAREMED**

### The OP MED Capitalisation process and the FACECOAST cluster

COASTANCE and MAREMED created a first nucleus of the "FACECOAST" Projects Cluster (Rome, 9 November 2011)

Key themes identifying the Cluster

- Coast protection
- Adaptation to climate change
- Sustainable development
- Resources sustainable use
- Spatial Planning
- ICZM-MSP integration
- Governance

Strengthening Med Regions role within EU coastal & maritime policies

'Bologna Charter 2012'

Networking with-in the FACECOAST Med-Cluster

Projects development within a Macro-Project for the Mediterranean

OP Med Call for Capitalisation Projects (23/07 - 31/10 2012)  
COASTGAP project proposal  
Coastal zones governance & adaptation policies

Situation in July 2012

Adriatic IPA  
R. Montanari - Using synergies between Med Regions: The Bologna Charter 2012 - Joint meeting MAREMED, SHAPE, PEGASO projects, 28<sup>th</sup> September 2012 - Spil (FR)

**Regione Emilia-Romagna** The BOLOGNA CHARTER 2012 **MAREMED**

### Closing remarks and next steps

- The BC2012 is a Med coastal Administrations initiative, promoted by the Emilia-Romagna Region through the MAREMED project, descending from the "BC2007", assuming the contribution of the COASTANCE Final Declaration
- Endorsing the framework of the EU policies related to ICZM, MSP, MS, CC Adaptation, Floods, WM
- Introducing a regional common strategy framework for the period 2014-2020 for the Med coastal zones CC adaptation and sustainable growth (M-P), with a central role of the coastal Administrations
- Representing an impulse and "driving force" for the development of effective cooperation between different government levels and territories in the Med basin, including South & East bound areas

the Charter text was adopted by the Emilia-Romagna Regional Government on 17/09/2012 - DGR n. 1346/2012

15 coastal Administrations are expected to sign (as first phase)

Signature foreseen within the MAREMED event in Rome, December 2012

Presentation to the Sea and Coastal Zones Intergroup, EU Parliament, within the "MAREMED day" in Brussels, March 2013

www.maremed.eu

Adriatic IPA  
R. Montanari - Using synergies between Med Regions: The Bologna Charter 2012 - Joint meeting MAREMED, SHAPE, PEGASO projects, 28<sup>th</sup> September 2012 - Spil (FR)

**Thank you for your attention!**

[Rmontanari@regione.emilia-romagna.it](mailto:Rmontanari@regione.emilia-romagna.it)

25 Milioni (1950) Abitanti delle città costiere

E'acqua sprecata (190km³) Costituisce il 24% della domanda totale

44%

9%

Anno 2020 50% delle coste cementate

190 Centri di trattamento

294 Pisci commerciali

Acque umide principali

## ANNEX XI

### Presentation of the MAREMED pilot action on Art.8 of the ICZM Protocol by Mr. Marasmi

#### OVERVIEW: MAREMED ICZM PROJECT GROUP

- ICZM Diagnostic Phase review
- ICZM protocol: art.8 implementation testing on Maredmed partnership
- Maredmed pilot action A: comparison between local legal framework on coastal zones and ICZM Protocol provisions
- Maredmed pilot action B: testing the applicability of Protocol Art. 8 provisions concerning a coastal "set-back zone"

#### ICZM DIAGNOSTIC PHASE REVIEW

ICZM theme Diagnostic phase questionnaire on:

- Status of the coastal areas, physic /environ indicators, human activities and pressures
- Activities undertaken in order to support ICZM implementation
- Evaluation on ICZM progresses and coastal zone governance status and progresses achieved towards sustainable development
- Governance of ICZM, top-down / bottom-up

Results on July 2011  
Proposal for Maredmed pilot actions

#### FINDINGS of the ICZM PG diagnostic phase review

- necessity to harmonize data on coastal areas according to shared definitions on elements to be represented
- necessity to carry out a comparison between ICZM Protocol provisions and regional/national ICZM tools/strategies → **Pilot action A**
- necessity to evaluate impacts of ICZM Protocol implementation on existent regional/national provisions systems. Aspects on which put particular focus should be the ones stated in:
  - Part I art. 7 Coordination among sectors, between governance levels
  - Part II art. 8 Protection and sustainable use of the coastal zone ("Setback zone") → **Pilot action B**
  - Part III art. 18 National coastal strategies, plans and programs

#### ICZM Protocol: Art.8, PROTECTION AND SUSTAINABLE USE OF THE COASTAL ZONE

- In conformity with the objectives and principles set out in Articles 5 and 6 of this Protocol, the Parties shall endeavour to ensure the sustainable use and management of coastal zones in order to preserve the coastal natural habitats, landscapes, natural resources and ecosystems, in compliance with international and regional legal instruments.
- For this purpose, the Parties:
  - shall establish in coastal zones, as from the highest winter waterline (a zone where construction is not allowed) Taking into account, *inter alia*, the areas directly and negatively affected by climate change and natural risks, this zone may not be less than 100 meters in width, subject to the provisions of subparagraph (b) below. Stricter national measures determining this width shall continue to apply.
  - May adapt, in a manner consistent with the objectives and principles of this Protocol, the provisions mentioned above:
    - for projects of public interest, "adaptation clauses"
    - in areas having particular geographical or other local constraints, especially related to population density or social needs, where individual housing, urbanisation or development are provided for by national legal instruments.

#### MAREMED PILOT ACTIONS ON ICZM THEME

The objectives are:

- to highlight ICZM practices within Countries and Regions
- individuate possible gaps in respects of the Protocol provisions
- facilitate the ICZM Protocol implementation

- PILOT ACTION A: Comparison between local legal framework on coastal zones and ICZM Protocol provisions (all partnership)**
- PILOT ACTION B: Testing the applicability of Protocol Art. 8 provisions concerning a coastal "set-back zone" (Emilia-Romagna, Crete, Liguria, PACA)**



**Pilot action A: Comparison protocol with ICZM practice**

**Analysis of ICZM practice in Marche Region**

**SECTION 1: REGIONAL POLICIES IN EFFECT IN COASTAL ZONES**

**1. Preserving biodiversity**

1.1 General priorities

1.2.2 Mapping: priority

1.3.1 Regional Law (Legge Regionale) of 20 December 2014, n. 53  
Measures for the protection of natural environment

1.3.2 Regional Law (Legge Regionale) of 9 August 1992, n. 34  
Regulations for the field of planning, landscape and territorial structure and organization

**1.3.2.1 Territorial planning policies**

1) In accordance with the regional planning principles and objectives, the regional urban planning is aimed at ensuring the conservation and development of natural landscape environmental and cultural resources with the implementation of the following regional instruments, instruments and programs:

2) For this purpose, a territorial planning system has been developed, which is composed of:

a) the Regional Environmental and Landscape Plan (Piano Paesistico Ambientale Regionale - PPAR), which is the basic regulatory instrument for the urban planning and use of the Regional territory;

b) the Territorial Coordination Plan (Piano di Coordinamento Territoriale - PCT), which is the general plan of the regional urban planning system, which regulates the urban planning of the regional territory;

c) the Territorial Coordination Plan (Piano Paesistico e Coordinamento - PPC), which is specific tools for the implementation of the environmental and landscape plan of the Regional territory;

d) the General Regulatory Plan (Piano Regolatore Generale - PRG), which are specific tools for urban planning of the Regional territory.

1.3.2.2 Regional Law (Legge Regionale) of 28 April 1996, n. 53  
Regulations for the protection and management of natural protected areas.

1.3.2.3 Regional Law (Legge Regionale) of 3 January 1995, n. 3  
Regulations for the protection and environmental safeguard and rules for hunting

1.3.2.4 Regional Law (Legge Regionale) of 18 April 2004, n. 7  
Regulations for environmental impact assessment procedure

1.3.2.5 Regional Law (Legge Regionale) of 14 May 2004, n. 9  
Regulations for the protection and management of natural protected areas

1.3.2.6 Regional Law (Legge Regionale) of 14 May 2004, n. 9  
Regulations for the protection and management of natural protected areas

1.3.2.7 Regional Law (Legge Regionale) of 14 May 2004, n. 9  
Regulations for the protection and management of natural protected areas

1.3.2.8 Regional Law (Legge Regionale) of 14 May 2004, n. 9  
Regulations for the protection and management of natural protected areas

1.3.2.9 Regional Law (Legge Regionale) of 14 May 2004, n. 9  
Regulations for the protection and management of natural protected areas

1.3.2.10 Regional Law (Legge Regionale) of 14 May 2004, n. 9  
Regulations for the protection and management of natural protected areas

C. Marasmi, O. Sotelli - ICZM protocol implementation tool, MAREMED pilot actions on art.8-SP/UT, 2012 September 26<sup>th</sup>, Joint Meeting of Pagine, Shape & MAREMED projects

**Pilot action A: MARCHE REGION**

**Marche Region - Integrated Coastal Area Management Plan (2005)** aimed at achieving a satisfactory balance between the economic pressures of tourism and the need to improve environmental quality of coastal areas

**Shortcomings**

- definition of the **setback zone** and related interventions
- develop specific actions of **education & training**, for long term durability of ICZM strategy objectives
- develop technical and financial tools & measures for **coastal defence** and to improve resilience, considering environmental sustainability criteria
- develop interregional & international **cooperation at Adriatic scale**, in order to identify common solutions to shared issues
- revision of **knowledge framework** at different spatial scales, with an update, integration and adaptation of the new datasets.
- the **fund availability** is a very critical issue

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**Pilot Action B: Test on ICZM Protocol Art.8 applicability**

4 partners are involved in pilot action B: Emilia-Romagna (IT), Liguria (IT), PACA (FR), Crete (GR)

Adriatic Sea Mediterranean sea Island (cross-border regions)

**The objectives are:**  
Find the possible measures/modifications that should be introduced in the Regional/National legal frameworks in order to comply with ICZM Protocol Art. 8-2 provisions concerning a coastal "not-building area" of almost 100 m (set-back zone) landward from the "higher winter waterline" (baseline).

**B1** regional/national planning framework, focus on coastal zones

**B2** Individuation of "baseline" and drawing of "set back zone"

**B3** regional/national planning instruments provisions in the "set-back zone" in comparison with Art. 8 requirements

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**Pilot Action B: Test on ICZM Protocol Art.8 applicability**

**ICZM Pilot Action B**  
"Testing ICZM Protocol Art. 8 applicability"

Evaluation of current land uses and planning provisions on the EMILIA-ROMAGNA coastal area within a set-back zone (Art.8 ICZM Protocol), and individuation of possible measures to be introduced for the application of ICZM Protocol provisions

**FRAMEWORK AND METHODOLOGY**

FINAL 04/06/2012

Methodology for this Pilot Action is provided by the SP/UT project SHAPE to the MAREMED project within the collaboration framework of the FACECOAST Cluster initiative

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**Pilot Action B1: EMILIA-ROMAGNA REGION**

**PIANO TERRITORIALE REGIONALE (PTR)**  
the strategic framework for the sustainable development of the regional system and the reference for the integration of policies and actions of the Region and local Administrations on the regional territory.

**PIANO TERRITORIALE PAESISTICO REGIONALE (PTPR)**  
is the thematic part of the PTR and individuates and gives rules for the coastal system and the relative ambits and elements. Moreover regulates other ambits and elements intersecting the coastal area (i.e. naturalistic interest zones conservation, regional natural protected areas, etc)

**PIANO TERRITORIALE DI COORDINAMENTO PROVINCIALE (PTCP)**  
Following the rules and the indications of the PTPR, the Provinces elaborate their PTCP, the Municipalities taking into account the two above levels provisions, elaborate their PSC (Piano Strutturale Comunale) guaranteeing cohesion between landscape and environment conservation and territorial development and regulating public and private actions on the territory. Other related instruments at the local level (operative plans - POC; urban and building regulations - RUE; harbour plans, beach plans)

**ICZM GUIDELINES**  
give recommendations to the several sectors affecting the coastal area on policies and actions to be implemented, in an integrated way considering sectors interactions, for the sustainable use of the coastal zone and for the preservation of its environmental and ecological heritage.

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**Pilot Action B2: EMILIA-ROMAGNA methodology to evaluate the art.8 provision**

Emilia-Romagna Region outlined a methodology within SHAPE project:

- the drawing of the "baseline" and the individuation of the "set-back zone"
- the analysis and evaluation of Art. 8 provisions applicability (obstacles & possibilities) in the regional planning instruments and legal frameworks

Within framework of the FACECOAST Cluster collaboration, the methodology has been shared with MAREMED partnership in order to be applied, even customised in consideration of territorial specificities, in the pilot actions B2.

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**Pilot Action B2: EMILIA-ROMAGNA - Evaluation of art.8 baseline**

Individuation of the "baseline" (T10 storm event levels: high tide + surge + set-up + run-up)

Past events, Vulnerability map

Directive 2007/60/CE Flooding maps

River mouths, combined effects of sea storm and river flooding

Where in natural areas the vulnerability maps are unrepresentative, define the baseline following morphology structures (i.e. wash-over areas)

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**Pilot Action B2: EMILIA-ROMAGNA - Evaluation of art.8 Set back zone**

First approximation of the set-back zone is simply created as a **100 meters buffer** of the "baseline". In some cases it can be **adjusted (2<sup>nd</sup> approximation)** to comprehend relevant features, i.e. dunes or coastal woods.

Baseline

100 m

Set-back adjustment

Set-back

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PILOT ACTION B3: EMILIA-ROMAGNA - Art.8 provision in the set-back zone

**Methodology to be applied in Emilia-Romagna Region for the B3 analysis of spatial and urban planning instruments**

1. Analysis of current land uses and regional spatial planning instruments regulations, individuation of "criticalities" (areas not covered by conservancy rules)
2. Evaluation of local planning instruments provisions and regulations focused on the "criticalities" individuated
3. Individuation of possibilities and obstacles for Art.8 application. Evaluation of possible measures to be adopted in the individuated "critical areas" for adapting planning provisions. Considering flexible clauses 8-2b): "projects of public interest", "geographical or local constraints".

**Methodology to be applied in RER for the B3 analysis of spatial and urban planning instruments**

Task 1	Output
<p><b>1. Analysis of current land uses and spatial planning instruments regulations, individuation of "criticalities" in the light of the Art.8 provisions</b></p> <p>Compared analysis on cartography and provisions of PTRR/PTCP instruments and Land Use cartography:</p> <ul style="list-style-type: none"> <li>- Urbanised territory</li> <li>- Industrial areas</li> <li>- Infrastructures and facilities</li> <li>- Harbours</li> <li>- Agricultural areas</li> <li>- Natural areas</li> </ul> <p>Individuation, within the set-back zone, of areas not covered by PTRR/PTCP provisions with particular reference to non-building or building strict constraints.</p>	<p>Preliminary report and maps on state of the art in the set-back zone with the individuation of those areas for which the foreseen uses don't fulfil art. 8 requirements.</p>

**Methodology to be applied in RER for the analysis of spatial and urban planning instruments**

Task 2	Output
<p><b>2. Evaluation of urban planning provisions and regulations on the "criticalities" individuated</b></p> <p>Deepening the evaluation on "critical areas" individuated in Task 1, through the analysis of local level planning instruments PSC, POC, RUE, Beach Plans, Harbour Plans with particular attention to:</p> <ul style="list-style-type: none"> <li>- Building and infrastructural interventions</li> <li>- Industrial areas enlargements</li> <li>- New dockyards, new port facilities areas, etc.</li> <li>- Use destination changes of agricultural areas</li> <li>- Modifications in or nearby natural reserve areas</li> </ul>	<p>Intermediate report and maps on local planning provisions and regulation focused on "critical areas" individuated</p>

**Methodology to be applied in RER for the analysis of spatial and urban planning instruments**

Task 3	Output
<p><b>3. Applicability of Protocol Art. 8 provisions</b></p> <p>Definition and evaluation of possible measures to be adopted in the individuated "critical areas" for adapting planning provisions, possible modifications of implementing provisions of local planning instruments, towards the application of Art. 8 provisions even considering the adaptation clauses 8-2b) (1- projects of public interest, 2- geographical or local constraints) Individuation of possibilities and obstacles for Art. 8 application.</p>	<p><b>Final Report</b> integrating Preliminary and Intermediate evaluations and proposals for adapting planning instruments provisions to Art. 8 requirements for the set-back zone, possibilities and obstacles.</p>

**NEXT STEPS**

- ❖ This methodology developed within SHAPE and tested in MAREMED is the first example of collaboration and sharing of information developed in the framework of the FACECOAST cluster
- ❖ Pilot actions A and B will be closed at the end of 2012
- ❖ This will be an output to capitalize in the next capitalization call on MED Programme

Thank you for your attention

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## ANNEX XII

### Presentation of the FACECOAST Med-cluster by Mr. Lupino

**facecoast** Med-Cluster

Technical Workshops  
Between PEGASO, SHAPE and  
MAREMED  
(Split, PAPI/RAC premises, 26 September 2012)

*Presentation of the FACECOAST  
Med-Cluster  
(Face the challenge of Climate  
Change in the Mediterranean  
coastal zones)*

Paolo Lupino  
Regione Lazio  
Territorial Department,  
Directorate General Environment,  
ICZM Monitoring Centre

### OVERVIEW

- FACECOAST introduction
- FACECOAST principles
- FACECOAST objectives
- FACECOAST future/potential developments

### 1. FACECOAST introduction

**FACECOAST is a CLUSTER of European PROJECTS**

- ✓ Focused on coastal adaptation strategies to climate change and other natural/anthropogenic threats in the Mediterranean sea
- ✓ Finalized to the sustainable development of the coastal zones according to the ICZM principles
- ✓ Permanent and "low cost" structure based on ongoing European projects

**CLUSTERIZATION**

### 1. FACECOAST introduction

COASTANCE  
"Regional action strategies for coastal zone adaptation to climate change"

MAREMED  
"Maritime Regions cooperation for Mediterranean"

facecoast Med-Cluster  
Face the Challenge of Climate Change in the MED coastal zones

Memorandum of Understanding  
FACECOAST  
"FACE THE CHALLENGE OF CLIMATE CHANGE IN THE MED COASTAL ZONES"  
Cluster constitution/implementation

### 1. FACECOAST introduction

13 European Projects:

1. COASTANCE
2. MAREMED
3. SHIFT
4. MEDGOV
5. PORTA
6. RESMAR
7. PERLA
8. TPE
9. THESEUS
10. PEGASO
11. MICORE
12. SHAPE
13. COMPASS

### 2. FACECOAST principles

art. 10, 11, 13, etc.

Protection Ecosystems, Landscape, cultural heritage

Flood Directive  
White Paper  
Adaptation to CC

Integrated  
Maritime Policy

art. 22, 23, etc.

Risk affecting the coastal zone (natural hazard, erosion, etc.)

ICZM Protocol

art. 9 (Economic Activities)

Utilization of specific natural resources

Fishing and aquaculture

Agriculture and Industry

Infrastructure, energy facilities, ports, maritime works

Tourism, sport and recreational activities

### 2. FACECOAST principles

Simultaneous approach?

ICZM Protocol

Protection Ecosystems, Landscape, cultural heritage

Risk affecting the coastal zone (natural hazard, erosion, etc.)

Tourism, sport and recreational activities

Infrastructure, energy facilities, ports, maritime works

Fishing and aquaculture

Agriculture and Industry

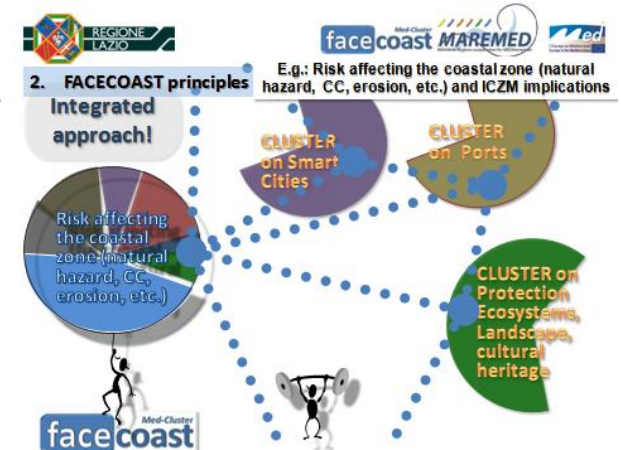
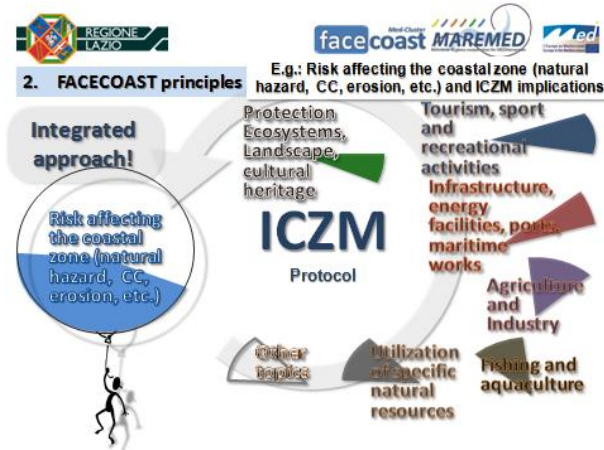
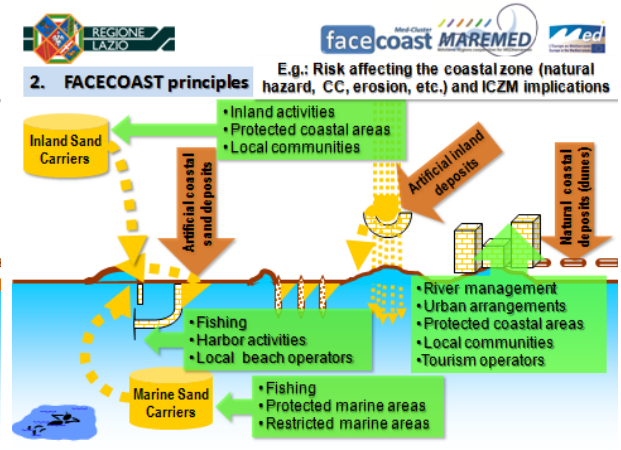
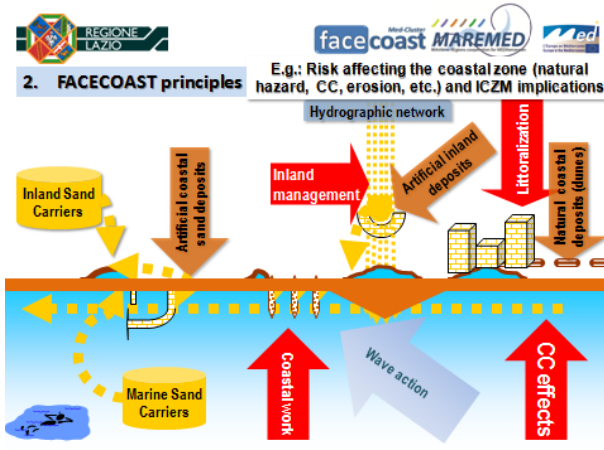
Utilization of specific natural resources

### 2. FACECOAST principles

E.g.: Risk affecting the coastal zone (natural hazard, CC, erosion, etc.) and ICZM implications

CC effects	Phenomena linked to the development	EFFECTS on the coastal zones	MITIGATION STRATEGIES	ADAPTATION STRATEGIES
Human Activities engendering CO2 increase	Work causing lack in river's sediment and its transport capacity and underground exploitation	- sea level rising - increase of storm intensity - salt water intrusion	- Total or partial restoration of transport capacity	Coastal protection by nourishment and coastal resilience implementation
Inland management	Built up areas destroying natural defensive structures	- Coastal erosion - Deepening of sea bottom - Denaturalization along coastal zones	- Subsidence	Coastal protection by nourishment and coastal resilience implementation
Littoralization	Harbors and others coastal work influencing natural long-shore sediment flow	- Sea bottom erosion - Denaturalization along coastal zones	Special protection rules against littoralization	Protection/reconstruction measures for dunes and sea-grass prairies
Coastal work		- Coastal erosion - Denaturalization along the coastline	Design with special attention to the erosion phenomenon	Coastal protection by nourishment and coastal resilience implementation. Re-use of intersected sand





- 3. FACECOAST objectives**
- ✓ Capitalizing experiences *multi-sectoral, multi-levels*
  - ✓ Developing synergies *among different sectors*
  - ✓ Raising awareness *on threats and opportunities*
  - ✓ Avoiding/reducing overlaps *among project activities*
  - ✓ Project Incubation *for 2014-2020 financing period*

**3. FACECOAST objectives**

	Project cluster/Programs				
		MED	IPA CBC	MAR IT-FR	FP7
1 Regione Lazio	IT	COASTANCE	MAREMED	MEDGOV	
2 Regione Emilia Romagna	IT	COASTANCE	MAREMED		MICORE
3 Department de l'Hérault	FR	COASTANCE		SHAPE	
4 Region of East Macedonia Thrace	GR	COASTANCE		SHIFT	
5 Region of Crete	GR	COASTANCE	MAREMED		
6 Regione Toscana	IT		MAREMED	MEDGOV	RESMAR-PERLA
7 Regione Liguria	IT		MAREMED		RESMAR-TEP
8 Ministry of Communication and Work	CY	COASTANCE	MAREMED		
9 CETMEF	FR	COASTANCE			THESEUS
10 Universidad Pablo de Olavide de Sevilla	ES				PEGASO
11 Feports	ES	PORTA	MAREMED		
12 Christian-Albrechts University Kiel	DE				COMPASS
125 Split-Dalmatia County	HR				
14 Dubrovnik County Regional Dev. Ag.	HR	COASTANCE			

✓ Project Incubator: first issue **COASTGAP** project (call on capitalization SPACE MED – October 2012)

- 4. FACECOAST future/potential developments**
- ✓ Promoter Projects/Partners: fostering initiatives
  - ✓ Supporting Projects/Partners: assisting initiatives
  - ✓ Peers Table: project incubation, special initiatives, etc.

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WELCOME TO FACECOAST  
FACECOAST MENTIONED IN THE FACECOAST PROJECTS  
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**DRAFT  
DECLARATION**

**of a Joint Projects Meeting on achieving a stronger co-operation and synergy among the projects**

With the objective to share information, seek for co-ordination of activities and exchange the project outputs so as to create better synergies and coherence among the major projects currently in progress for the implementation of the Mediterranean ICZM Protocol, we, the partners of the following projects and initiatives, gathered at a joint meeting organised in Split, on 26 September 2010, back-to-back with the Mediterranean 2012 Coast Day celebration:

SHAPE EU IPA Adriatic Cross-border Co-operation Programme;  
PEGASO EU Framework Programme 7;  
MAREMED (MARitime Regions co-operation for the MEDiterranean);

as well as

PERSEUS EU Framework Programme 7;  
GEF MedPartnership;  
FaceCOAST Med-Cluster; and  
ResMAR (Network for Environmental Protection in Maritime Space),

*Acknowledging* that the ICZM Protocol of the Barcelona Convention and the EU policies of relevance for the Mediterranean Sea, such as the Marine Strategy Framework Directive, are important driving forces for the implementation of projects contributing to sustainable development of Mediterranean and European coastal zones,

*Recognising* that, although there is already a good level of co-operation and synergies among the above-mentioned projects, there is still room for improvement,

*Convinced* that a good collaboration, exchange of information and capitalisation on each other results can avoid overlaps and duplication of efforts and thus contribute to a more rational use of resources, and in particular vis-à-vis the donors and policy makers at the highest levels,

Have agreed that:

We shall strive to upgrade the level of the existing co-operation and explore fields in which co-operation can be additionally established to facilitate the achievement of the common objectives of sustainable development of coastal zones.

We shall invite future projects and initiatives to join us to secure coherence and avoid overlapping in order to improve efficacy by working in synergy.

We shall use the existing PEGASO ICZM Governance Platform to facilitate sharing of data and information among ourselves as well with other stakeholders including decision makers, practitioners and donors.

We shall work to enhance the existing networks and search for new possibilities to foster co-operation.

