



ROADMAP

Practical instructions for a quick start up and a coordinated development of the COASTGAP project.

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Theme

Coasts worldwide face a great variety of environmental impacts as well as increased anthropogenic pressures of coastal zone urbanization and rapid population growth. Over the last decade coastal erosion has emerged as a widespread problem that causes shoreline retreat and irreversible land losses. The attempts of managers and other stakeholders to cope with erosion using different types of hard engineering methods may often aggravate this problem, damaging natural landscape and coastal ecosystems in unexpected and unpredicted ways. COASTGAP copes with the theme of coastal Risk in the Mediterranean basin. The Mediterranean coastal zone is identified by the Intergovernmental Panel on Climate Change as a "hot spot" and is most at Risk from flooding, coastal erosion and further land degradation, which exacerbates the need for tools that can facilitate adaptation to Climate Change. Due to the effects of Climate Change, indeed, these areas will be exposed to increasing Risks experiencing adverse consequences of natural and anthropogenic hazards (i.e. sea level rise, flooding, erosion, salt water intrusion, ecosystem losses, subsidence, etc.); on the one hand, natural vulnerability of coastal zone is hampered by the concentration of people and activities on the coastal zone human activities (maritime, transport, fishery, tourism) that leads to an artificial land cover of the natural environment and creating specific Risks (Plan bleu, 2007).

Objective

COASTGAP main aim is to feed future actions and strategies for the next programming period 2014-2020 in relation to the pressing problem of Mediterranean coastal zone adaptation to climate change effects. This main aim will be pursued through the setting up of a series Best Practices among which it is possible to distinguish some practical ones (focused on specific improvements of the coastal zones management) and some strategic ones like the Bologna Charter 2012 and the Macro-Project (Joint Action Plan). Indeed the Bologna Charter represents the political leg of the Macro-Project that foresees the capitalization and streamline of several outputs (outputs and best practices i.e. maps, software tools, guidelines, protocols, recommendations, rules, laws, etc.) and results already achieved by past MED-and not- projects on this issue.

The Macro-Project is then the focal Best Practice of the proposal. The proposition of a Macro-Project (production of feasibility studies, widening of networks of partners, deepening propaedeutical actions to be implemented, financial planning, etc.) to face concretely the coastal zone major natural/anthropogenic threats, can represent a great opportunity to influence the next financing programme 2014-2020 in relation to Mediterranean policies. An hypothesis of Macro-Project on coastal zones was already launched in MEDGOVERNANCE project (www.medgov.net) and was already drafted during the COASTANCE project, encompassed in the Final Declaration signed by eight coastal Mediterranean administrations (www.coastance.eu). Moreover, in the MAREMED project, the renewal of the original Bologna Charter (2007) has been set up, clearly including the Macro-Project. Then COASTGAP represents the ideal context to capitalize the Macro-Project proposal, share its contents and develop the elements to prove its feasibility. The main points of the Macro-Project are encompassed in the WP4. The Macro-Project approach finds already a valuable reference in the current European legal framework through the COUNCIL REGULATION 1083/2006 where at the art.39 the Major-Project are designed as "an operation comprising a series of works, activities or services intended in itself to accomplish an indivisible task of a precise economic or technical nature" that can be financed by the ERDF and the Cohesion Fund "as a part of an operational programme".

THE PARTNERSHIP & THE BUDGET

n.	PARTNER		PROJECT SOURCE OF BPs			TOT BUDGET	ERDF
1	Regione Lazio	IT	COASTANCE	MAREMED	MEDGOV	160.000	120.000
2	Regione Emilia Romagna	IT	COASTANCE	MAREMED	SHAPE	110.000	82.500
3	Department de l'Hérault	FR	COASTANCE			100.000	75.000
4	Region of East Macedonia Thrace	GR	COASTANCE	SHIFT		80.000	60.000
5	Decentralized Administration of Crete	GR	COASTANCE	MAREMED		80.000	60.000
6	Regione Toscana	IT	MEDGOV	MAREMED	RESMAR	80.000	60.000
7	Regione Liguria	IT	RESMAR	MAREMED		80.000	60.000
8	Ministry of Communication and Work	CY	COASTANCE			80.000	68.000
9	CEREMA (former CETMEF)	FR	THESEUS			90.000	67.500
10	Universidad Pablo de Olavide de Sevilla	ES	PEGASO			85.000	63.750
11	Feports	ES	PORTA	MAREMED		85.000	63.750
12	Christian-Albrechts University Kiel	DE	COMPASS			100.000	75.000
13	Split-Dalmatia County Regional Dev. Ag. RERA	HR				70.000	59.500
14	Dubrovnik County Regional Dev. Ag. DUNEA	HR	COASTANCE			70.000	59.500
15	Universidad Autonoma de Barcelona	ES	PEGASO			90.000	67.500
						1.360.000	1.042.000

THE EXTERNAL PARTNERS

			External partners
1	Regione Lazio	IT	<ul style="list-style-type: none"> • ENEA - Unit Environmental Technologies - Service Environmental Remediation (IT) • Calabria River Basin Authority (IT) • ISPRA - Institute for Environmental Protection and Research (IT) • Ministero Ambiente e Tutela del Territorio e del Mare - Direzione Generale per le Valutazioni Ambientali (IT) • Ministry of Economic Development - Dep. for Enterprise and Internationalization - Directorate General for Industrial Policy and Competitiveness (IT) • Abruzzo Region – Dir. Public Works, Integr. Water Cycle, Land Defense and Coast, Civil Protection - Service Maritime Works and Marine Waters (IT) • Association Tunisienne de l'Ingénierie Côtière, Portuaire et Maritime (TN) • Maringis (MO) • Région Provence-Alpes-Côte d'Azur PACA, Service mer et littoral (FR) • Junta de Andalusia, Consejería de Agricultura, Pesca y Medio Ambiente, Secretaría General de Medio Ambiente y Agua (SP) • Arenaria srl (IT) • CRPM - Conference of Peripheral Maritime Regions (FR) • European Territorial Cooperation Group ARCHIMED (IT) • Ministry of Environmental Protection, Marine and Coastal Environment Division MCED (IL) • Sindacato Italiano Balneari (IT) • Sindacato Italiano Balneari Lazio (IT)
2	Regione Emilia Romagna	IT	<ul style="list-style-type: none"> • Public Enterprise for Coastal Zone Management of Montenegro (MNE) • Crotone Province (IT)
4	Region of East Macedonia Thrace	GR	<ul style="list-style-type: none"> • Public Domain Management Authority, Ministry of Environment, Energy & Climate Change (GR) • Public Domain Management Authority, Ministry of Finance (GR) • Directorate of Environment and Spatial Planning of Dec. Admin. of Macedonia and Thrace (GR)
6	Regione Toscana	IT	<ul style="list-style-type: none"> • University of Firenze - Dipartimento Scienze della Terra (IT)
7	Regione Liguria	IT	<ul style="list-style-type: none"> • University of Genova - DISTAV (IT)
9	CEREMA (former CETMEF)	FR	<ul style="list-style-type: none"> • Direction Régionale de l'Environnement, de l'Aménagement et du Logement DREAL Languedoc-Roussillon (FR) tbc
11	Feports	ES	<ul style="list-style-type: none"> • Directorate General for Transport and Logistics - Ministry for Infrastructure, Territory and Environment of the Valencian Regional Government (ES) • Demarcacion de Costas en Valencia, Ministerio de Agricultura, Alimentacion y Medio Ambiente (ES)
13	Split-Dalmatia County Regional Dev. Ag. RERA	HR	<ul style="list-style-type: none"> • Split-Dalmatia County (HR)
14	Dubrovnik County Regional Dev. Ag. DUNEA	HR	<ul style="list-style-type: none"> • Dubrovnik Neretva Region (HR)

THE ACTIVITIES

COASTGAP project encompasses an intense series of specific activities (12 Best Practices) that must be carried out in a very short time (practically less than 14 months). It is necessary then to schedule precisely these activities with clear benchmarks which the leaders of the WPs phases must keep a very attentive eye on. The 12 capitalizing BPs will be subjected to a deep technical and consistency analyses, setting up a win-win relationship between **Promoters Partners BPs (PP-BP)** and **Partners Interested in their Adoption (AP-BP)**. These analyses aim to highlight and cope with technical and/or formal lacks of the BPs as regards to the needs and specific features raised up by partners/other organization involved:

1. The BPs are analyzed by the respective PP-BP (Lazio, Emilia-Romagna, Toscana, Liguria, REMTH, UPO Sevilla, CEREMA former CETMEF, Uni Kiel) pointing out the current level of their development/efficiency and their transferability, with specific regard to the AP-BP which are going to adopt/assess the BPs. The presentations of the BPs (**12 Reports 3.1/A + 12 “Key Points” Tables annexed**) are gathered by the Phase leader and distributed to the AP-BP within **December 2013 or before if available**;
2. Each AP-BP, on the grounds of the **Reports 3.1/A**, verifies in deep the transferability of the BP in its own situation, and proposes the needed adaptation measures for the best BP sharing (**60 Feedback Reports 3.1/B**). Administrative External Partners and relevant non-administrative partners are invited to express their opinion/interest in order to ensure a wider and multi-level mainstreaming. The observations/recommendations are gathered by the Phase leader UPO Sevilla and organized in **12 Reports 3.1/B**, to be discussed **during the 2nd COASTGAP meeting in Valencia (6-7 March 2014)**;
3. The AP-BP are expected also to deliver technical acts appropriate for the BP internal administrative receiving/adoption at different levels (full adoption and implementation, partial adoption, declaration of interest for future adoption, declaration of interest for encompassing the principles, etc.) according to their capacity, the context and the typology of BP (**60 Technical Acts**). In order to take into account the chain of competences, every AP-BP are put side by side with National/Regional External Partners for the BP endorsement/taking into account. The Technical acts are gathered by the Phase leader (UPO Sevilla) in a **Book of Technical Acts 3.1/C** and discussed **during the 3rd COASTGAP meeting in Montpellier (June 2014)**;
4. The BPs will be then adopted through formal Administrative Acts by AP-BP (**60 Administrative Acts 2.4/A**). The Lead Partner Lazio Region will be in charge of monitoring this action;
5. Finally, the capitalized BPs will be subjected to a process of logical and technical streamline (organization by function, typology, etc), essential to organize and set up a consistent toolbox of operational instruments for the MED coastal-maritime planning which the Macro-Project (Joint Action Plan) will be founded on. The BPs “tailor-made” toolbox, indeed, feeds the frame of the Macro-Project to concretize priority initiatives on MED coastal areas to face CC effects and coastal zone risk at MED basin scale. E.g. BP “RESMAR-Coastal Observatory” will be used to enrich part of the action plan related to the MED coastal monitoring (future needs, best and fittest adoptable technologies, achievable standards, etc.), “COMPASS-DIVA model” will be used to feed the MED assessment of the coastal risk/adaptation costs, etc.

ACTIONS TO BE CARRIED OUT BY THE PP-BP:

1. Analysis of the BP, pointing out the current level of their development/efficiency and their transferability potential with specific regard to the partners which are going to adopt/assess the BPs (**12 Reports 3.1/A + 12 “Key Points” Tables**);
2. Presentation of the BP and its analyses to the target offices/persons identified by the AP-BPs;
3. Transfer of the BP in the opportune format in order to work on it (file, paper, etc);
4. Technical support to the AP-BPs during the customization process;

ACTIONS TO BE CARRIED OUT BY THE AP-BP:

1. Identification into its own Organization and involvement of the offices/persons dealing with the competences and the need/use of the BP;
2. Translation of the BP in the official working language;
3. Consistency analysis of the BP in terms of: legal frame of application, form of application (as working internal procedure, regulation, law, database, GIS, etc), technical/territorial coherence and pertinence, etc. and proposal of customization measures (**60 Feedback Reports**) that will be organized in **12 Reports 3.1/B**.
4. Concrete customisation of the BP;
5. Identification of the most suitable administrative internal procedure to adopt the “tailor-made” BP (**60 Technical acts 3.1/C**);
6. Formal adoption of the “tailor-made” BP through the selected procedure-formal Administrative Act as the best result (**60 Administrative Acts 2.4/A**);
7. Activity to effectively mainstream the “tailor-made” BP (into ROP, regulations, etc.);

FRAME OF THE WIN-WIN PROCESS

	BP to capitalise	PP-BPs	AP-BPs	Type of activities to set up	Results	Indicators of successfulness
1	<p>Guidelines for the Environmental Impacts of coastal protection works and plans</p> <p>COSTANCE (MED Programme)</p>	P1 Lazio Region	P2 Emilia-Romagna Region P3 Dep. Hérault P4 REMTH P5 Dec. Adm. Crete P8 Min. Cyprus P10 FEPORTS for GENVAL (tbc) P11 UAB for GENCAT (tbc) P14 RERA	<ol style="list-style-type: none"> Building up of a database of MED coastal Administrations dealing with EIA/SEA procedures, organisation of a public meeting to present the Guidelines; Transfer and translation of the Guidelines to coastal Administrations; Reconciliation of the Guidelines contents with each legislation framework; Arrangement of administrative acts for the adoption of the Guidelines for the EAI/SEA procedures of each involved coastal Administration. 	Harmonised and efficient procedures of EIA/SEA related to coastal works/plans in the MED basin	<ol style="list-style-type: none"> Number of administrative acts transposed into EIA/SEA procedures by MED coastal Administrations; Number of letters of interest for the adoption of the Guidelines at MED basin scale
2	<p>“SICELL” Littoral cells management system</p> <p>COSTANCE (MED Programme)</p>	P2 Emilia-Romagna Region	P1 Lazio Region P3 Dep. Hérault P4 REMTH P6 Tuscany Region P8 Min. Cyprus P12 CEREMA (former CETMEF)	<ol style="list-style-type: none"> Dissemination and transfer of the tool within the partnership and the project network (meeting and dissemination activities); Analysis of coastal data availability for each partner; Customisation of the tool based on the peculiar coastal asset and data availability of each partner; administrative acts or letters of intent by partners that adopt SICELL as tool for littoral management. 	Shared methodology and tool for the coastal monitoring and management and for the analysis of sediment needs for littoral nourishment at the MED scale.	<ol style="list-style-type: none"> Number of regional SICELL methodology applications; Number of acts or letter of intents that adopt the SICELL concept and methodology for the regional coast monitoring and management

3	<p>Bologna Charter 2012</p> <p>MAREMED (MED Programme)</p>	P2 Emilia-Romagna Region	<p>P1 Lazio Region</p> <p>P3 Dep. Hérault</p> <p>P4 REMTH</p> <p>P5 Dec. Adm. Crete</p> <p>P6 Tuscany Region</p> <p>P7 Liguria Region</p> <p>P8 Min. Cyprus</p> <p>P12 CEREMA (former CETMEF)</p> <p>P14 RERA</p> <p>P15 DUNEA</p>	<ol style="list-style-type: none"> 1. Sharing the “Bologna Charter” targets and perspective within the partnership; 2. Promote the Charter among the other MED coastal Administration bodies involved; 3. Organization of “Bologna Charter events” where the Administrations' representatives interested will sign the Charter. 	Consolidation and further development of maritime Regions cooperation in the Mediterranean area; Detailed formulation of a Joint Action Plan on MED ACC following the recommendations outlined in the Charter of Bologna: coherent thematic common methodology and strategy to face CC effects on MED coastal area.	<ol style="list-style-type: none"> 1. Numbers of formal adhesion/signature of MED coastal Administrations; 2. Adoption of the Charter by specific acts of the Administrations; 3. Detailed Joint Action Plan on MED ACC to feed the 2014–2020 period, based on the recommendations outlined in point 2 of the Charter.
4	<p>Methodology for ICZM Protocol Art.8 “setback zone” implementation</p> <p>SHAPE (IPA Programme)</p>	P2 Emilia-Romagna Region	<p>P1 Lazio Region</p> <p>P2 Emilia-Romagna Region</p> <p>P3 Dep. Hérault</p> <p>P7 Liguria Region</p>	<ol style="list-style-type: none"> 1. Sharing Art.8 implementation methodology within the partnership; 2. Assessment of the implementation of Art. 8 in partners' coastal zones; 3. Assessment of the methodology in cross-border regions or in particular coastal assets (i.e. small islands); 4. Reporting the evaluation results of the Art.8 impacts on territorial planning. 	Improving the impact and the implementation of the ICZM Protocol in MED basin	<ol style="list-style-type: none"> 1. Numbers of sites or coastal zones in which the methodology of Art. 8 was implemented; 2. Numbers of reports concerning the impacts of Art.8 on local territorial planning.
5	<p>Regional Strategic Plan (Paper Intention)</p> <p>MEDGOVERNANCE (MED Programme)</p>	P1 Lazio Region	All but Universities: P9, P11 and P13	<ol style="list-style-type: none"> 1. Analysis of the existing proposals; 2. Preliminary Design of the Joint Action Plan on MED ACC; 3. High-level meetings (Brussel); 4. Feasibility analysis; 5. Final design of the Joint Action Plan on MED ACC. 	A Joint Action Plan on MED ACC to feed next programming period 2014-2020 with a concrete and coherent thematic common methodology and strategy to face CC effects on MED coastal area.	<ol style="list-style-type: none"> 1. Number of Coastal Administrations involved; 2. Number of inclusions of parts of the Joint Action Plan on MED ACC into the Regional Operational Programmes.


6	<p>PEGASO SDI and Geoportal for ICZM</p> <p>PEGASO (VII FP)</p>	<p>P9 Uni. P. Olavide Sevilla</p>	<p>P1 Lazio Region P2 Emilia-Romagna Region P7 Liguria Region</p>	<ol style="list-style-type: none"> 1. Transfer and dissemination of the SDI and Geoportal within the partnership and the project network.; 2. Assessment of SDI and Geoportal specific needs for each partner. 3. Transfer and dissemination of the guidelines for data harmonisation and development of ICZM tools within the partnership and the project network. 	<p>Utilization of the operational Geoportal and SDI designed for ICZM in a wide variety of contexts. Improved Capacity for implementation of Geoportal and SDI Geonodes in other MED countries. Wider use of Indicators and ICZM Tools from SDI for MED coastal administrations.</p>	<ol style="list-style-type: none"> 1. Number of registered users on the SDI; 2. Traffic in SDI and Geoportal for ICZM applications by MED Coastal Practitioners and the general public
7	<p>Risk Model COFLERMAP-Coastal Flood Erosion Map</p> <p>MAREMED (MED Programme)</p>	<p>P1 Lazio Region</p>	<p>P1 Lazio Region P4 REMTH P5 Dec. Adm. Crete P6 Tuscany Region</p>	<ol style="list-style-type: none"> 1. Training activity for public coastal Administrations (EU and MED) about methods for coastal risk assessment based on economical appraisal (open to eco-system approach); 2. Adaptation of COFLERMap to the different situations; 3. Comparison with other coastal risk models and check of their reliability; 	<p>Consolidation of methodologies for coastal risk assessment based on economical appraisal (open to ecosystem approach); Diffusion and improvement of methodologies compliant with Flood Directive</p>	<ol style="list-style-type: none"> 1. Development of a new version of the Model COFLERMap; 2. Number of coastal Administrations testing COFLERMap; 3. Number of coastal Administrations adopting COFLERMap
8	<p>Integrated Quality Model for the development of sustainable routes</p> <p>SHIFT MAREMED (MED Programme)</p>	<p>P4 REMTH</p>	<p>P1 Lazio Region P2 Emilia-Romagna Region P4 REMTH P7 Liguria Region</p>	<ol style="list-style-type: none"> 1. Dissemination and transfer of the Model approach within the partnership and the project network (meeting and dissemination activities); 2. Technical discussion about customisation of the Model and feedback reporting; 3. Transfer of the results to local public-private stakeholders. 	<p>Widen the diffusion of shared and common innovative solutions for balanced actions in order to extend and diversify the tourist season, to evaluate a possible sustainable marketing for protected areas, improving the capacity building on informing and involving local stakeholders and SMEs on supply optimization.</p>	<ol style="list-style-type: none"> 1. Number local authorities formally engaged in the transfer process; 2. Number of seminars/in site visits for the presentation/discussion of the BP

9	Coastal Observatory RESMAR (TFM IT-FR Progr.)	P6 Tuscany Region	P1 Lazio Region P2 Emilia-Romagna Region P7 Liguria Region P12 CEREMA (former CETMEF)	1. Dissemination of the beach evolution monitoring protocols; 2. Discussion on possible merging of different WebGIS and technical demonstration of the added value at the regional level of this integration.	Allow users to retrieve global/local trends in coastal evolution and associate them to different scale (spatial/temporal) causes (Adaptive coastal management).	1. Number of public and research institutions/countries adopting the protocol, exchanging and processing their data.
10	DIVA model COMPASS (VII FP)	P13 CAU Kiel	P1 Lazio Region P2 Emilia-Romagna Region	1. Training for public coastal Admin (EU and MED) on methods for integrated assessment of coastal impacts; 2. Adaptation of DIVA output to the Med coasts with a regional detail; 3. Comparison with other impact assessment models and check of the data availability; 4. Transfer and translation of the results to coastal Administrations; 5. Promotion of the main indicators used (in particular adaptation cost-effectiveness) as basic elements for planning coastal defense	More attention and full awareness by the MED decision makers about the upcoming coastal risks in terms of loss of money.	1. Number of administrative acts taking into account the results of the model; 2. Number of letters of interest in using the results of the model
11	Webcam Network RESMAR (TFM IT-FR Progr.)	P7 Liguria Region	P1 Lazio Region P6 Tuscany Region	1. List of littoral webcams yet installed in the partners' areas; 2. Technical meetings for the know-how transfer	Improvement of the network and the related web page; Creation of a database with standardized catalogued data for MED area	1. Number of letters of interest about the webcam network; Improvement of the network webcam associations
12	Decision Support System (D.S.S.) to determine the best defence planning THESEUS (VII FP)	P12 CEREMA (former CETMEF)	P1 Lazio Region P3 Dep. Hérault P10 FEPORTS	1. Sharing THESEUS guidelines at regional and national scale; 2. Reporting the applications of THESEUS guidelines; 3. Planning of tests for the THESEUS D.S.S. implementation in pilot sites	Reports on impact of THESEUS guidelines in legal framework and practices	1. Number of application of THESEUS guidelines; 2. Number of pilot sites or coastal zone in which is applied THESEUS D.S.S.

WHO CAP' WHAT? – THE 60 TECHNICAL ACTS/ADMINISTRATIVE ACTS

	BP to capitalise	P1 LAZ	P2 RER	P3 HER	P4 REMT	P5 CRETE	P6 TUS	P7 LIG	P8 CYP	P9 UPO	P10 FEP	P11 UAB	P12 CET	P13 CAU	P14 RERA	P15 DUN
1	Guidelines for EIA	PP	1	2	3	4			5		(GEN VAL)	(GEN CAT)			6 (S-D COUN)	
2	"SICELL"	7	PP	8	9		10		11				12			
3	Bologna Charter 2012	13	PP	14	15	16	17	18	19				20		21	22
4	ICZM Prot. Art.8 "setback zone"	23	PP-24	25				26								
5	Regional Strategic Plan (Macro-project)	PP-27	28	29	30	31	32	33	34		35		36		37	38
6	SDI and Geoportal for ICZM	39	40					41		PP						
7	COFLERMAP	PP-42			43	44	45									
8	Integr. Qual. Model	46	47		PP-48			49								
9	Coastal Observatory	50	51				PP	52					53			
10	DIVA model	54	55											PP		
11	Webcam Network	56					57	PP								
12	D.S.S. for best defence planning	58		59							60		PP			

PP = Partner Proposing the BP

 = on behalf of (tbc)

DELIVERABLES, RESPONSABILITIES AND DEADLINES

n.	Title	Description	Partner in charge	Deadline
1	Policy papers on coastal adaptation to Climate Change effects	2 Policy papers which report, in a strategic and assertive form, the added value coming from the sustainable management of MED coastal-marine area as a whole to face climate change effects, based on the policy recommendation "Bologna Charter 2012" and the COASTGAP Joint Action Plan on MED ACC as application of the shared BPs toolbox. 2.4/B	Lazio Region	3 meetings in Brussel on Apr 2014, Sep 2014, Dec 2014 (production of the Policy Papers)
2	Preliminary Sketch of the Joint Action Plan on MED ACC + Report of observations and contributes.	Preliminary Plan of the Joint Action Plan on MED ACC, coming from the application of the shared BPs toolbox, aiming at concretize priority initiatives on MED coastal areas to face CC effects. The framework of the Joint Action Plan comes from the capitalization process of the Regional Strategic Plan-Paper Intention (MEDGOVERNANCE Project): hypothesis of a Macro-Project for a coordinated, multisectoral and wide action for Mediterranean coastal sustainable defense against CC effects and natural/anthropogenic threats.	Lazio Region	6-7 Mar 2014 (SC Valencia)
3	Joint Action Plan on MED ACC	Joint Action Plan on MED ACC coming from the application of the shared BPs toolbox aiming at concretize priority initiatives on MED coastal areas to face CC effects. The framework of the Joint Action Plan comes from the capitalization process of the Regional Strategic Plan-Paper Intention (MEDGOVERNANCE Project): hypothesis of a Macro-Project for a coordinated, multisectoral and wide action for Mediterranean coastal sustainable defense against CC effects and natural/anthropogenic threats.	Lazio Region	Oct 2014 (SC Rome)
4	Feasibility study of the Joint Action Plan on MED ACC	Feasibility study (technical, environmental, socio-economic) of the Joint Action Plan on MED ACC coming from the application of the shared BPs toolbox aiming at concretize priority initiatives on MED coastal areas to face CC effects. The framework of the Joint Action Plan comes from the capitalization process of the Regional Strategic Plan-Paper Intention (MEDGOVERNANCE Project): hypothesis of a Macro-Project for a coordinated, multisectoral and wide action for Mediterranean coastal sustainable defense against CC effects and natural/anthropogenic threats.	Decentralized Administration of Crete	4.2/A: Confrontation with stakeholders - Jun 2014 (SC Montpellier) 4.2/B: Preliminary FS - Jun 2014 (SC Montpellier) 4.2/C: Confrontation with DGs & financing

5	Reports WP3-Ph3.1 (A/B)-Guidelines for EIA	<i>2 Technical reports (3.1/A and 3.1/B) coming from the transfer and customization process of the Guidelines for the environmental impacts of coastal protection works and plans (COASTANCE Project)</i>	3.1/A: Lazio Region 3.1/B: UPO Seville (organization of the feedback of AP-BP involved)	3.1/A: Dec 2013 3.1/B: Mar 2014 (SC Valencia)
6	Reports WP3-Ph3.1-SICELL: Littoral cells management system	<i>2 Technical reports coming from the transfer and customization process of SICELL (COASTANCE Project)</i>	3.1/A: Emilia-Romagna Region 3.1/B: UPO Seville (organization of the feedback of AP-BP involved)	3.1/A: Dec 2013 3.1/B: Mar 2014 (SC Valencia)
7	Reports WP3-Ph3.1-Coastal Observatory	<i>2 Technical reports coming from the transfer and customization process of the Coastal Observatory (RES MAR-MAR IT-FR Project): Web-GIS platform sharing between partners through a free-access Web-GIS platform allowing MED coastal-marine data comparison among different areas using compatible datasets.</i>	3.1/A: Region of Tuscany 3.1/B: UPO Seville (organization of the feedback of AP-BP involved)	3.1/A: Dec 2013 3.1/B: Mar 2014 (SC Valencia)
8	Reports WP3-Ph3.1-Bologna Charter 2012	<i>2 Technical reports coming from the transfer and customization process of the Bologna Charter 2012 (MAREMED Project): it expresses the political willingness of MED regions to face concretely the MED coastal-maritime problems related to the climate change effects</i>	3.1/A: Emilia-Romagna Region 3.1/B: UPO Seville (organization of the feedback of AP-BP involved)	3.1/A: Dec 2013 3.1/B: Mar 2014 (SC Valencia)
9	Reports WP3-Ph3.1-COFLERMap: Coastal Flood Erosion Map	<i>2 Technical reports coming from the transfer and customization process of COFLERMap (MAREMED Project): Simplified methodology fully compliant with Flood Directive for coastal hazard and risk assessment, based on economic assessment of damages.</i>	3.1/A: Lazio Region 3.1/B: UPO Seville (organization of the feedback of AP-BP involved)	3.1/A: Dec 2013 3.1/B: Mar 2014 (SC Valencia)
10	Reports WP3-Ph3.1-DIVA model in MED basin	<i>2 Technical reports coming from the transfer and customization process of the DIVA model (MAREMED&COMPASS-7FP Projects): model to allow a global assessment of the coastal risk with and without adaptation policies to face climate change effects and other natural/anthropogenic threats along coastal zones.</i>	3.1/A: Christian-Albrechts University of Kiel 3.1/B: UPO Seville (organization of the feedback of AP-BP involved)	3.1/A: Dec 2013 3.1/B: Mar 2014 (SC Valencia)
11	Reports WP3-Ph3.1-Development of sustainable routes, Integrated Quality Model	<i>2 Technical reports coming from the transfer and customization process of the IMQ model (SHIFT Project): Integrated Quality Model (IQM) for the promotion/marketing for the sustainable tourism in fragile territories (coastal areas).</i>	3.1/A: Region of East Macedonia & Thrace 3.1/B: UPO Seville (organization of the feedback of AP-BP involved)	3.1/A: Dec 2013 3.1/B: Mar 2014 (SC Valencia)

12	Reports WP3-Ph3.1-Methodology for ICZM Protocol Art.8 “setback zone” implementation	2 Technical reports coming from the transfer and customization process of the Methodology for ICZM Protocol implementation (SHAPE-IPA Project).	3.1/A: Emilia-Romagna Region 3.1/B: UPO Seville (organization of the feedback of AP-BP involved)	3.1/A: Dec 2013 3.1/B: Mar 2014 (SC Valencia)
13	Reports WP3-Ph3.1-PEGASO SDI and Geoportal for ICZM	2 Technical reports coming from the transfer and customization process of the PEGASO SDI and Geoportal for ICZM (PEGASO-7FP Project): Spatial Data Infrastructure, including a Geoportal for the promotion of integrated coastal management of the Mediterranean and the Black Sea.	3.1/A: Universidad Pablo de Olavide of Seville 3.1/B: UPO Seville (organization of the feedback of AP-BP involved)	3.1/A: Dec 2013 3.1/B: Mar 2014 (SC Valencia)
14	Reports WP3-Ph3.1-Webcam network	2 Technical reports coming from the transfer and customization process of the Webcam network (RES MAR-MAR IT-FR Project): Webcam network for coastal monitoring based on processing by "Beachkeeper plus" software of images obtained continuously from webcams already installed for commercial purposes.	3.1/A: Liguria Region 3.1/B: UPO Seville (organization of the feedback of AP-BP involved)	3.1/A: Dec 2013 3.1/B: Mar 2014 (SC Valencia)
15	Reports WP3-Ph3.1-Decision Support System (D.S.S.) to determine the best defense planning	2 Technical reports coming from the transfer and customization process of the Decision Support System (D.S.S.) to determine the best defense planning (THESEUS 7FP Project): Integrated methodology for planning sustainable defense strategies for the management of coastal erosion and flooding which addresses technical, social, economic and environmental aspects.	3.1/A: CEREMA (former CETMEF) 3.1/B: UPO Seville (organization of the feedback of AP-BP involved)	3.1/A: Dec 2013 3.1/B: Mar 2014 (SC Valencia)
16	Book of Technical Acts (BPs toolbox)	Gathering and organization of the technical acts, delivered by each Interested Partners AP-BPs, appropriate for the BP internal administrative receiving/adoption of the BPs at different levels (full adoption and implementation, partial adoption, declaration of interest for future adoption, declaration of interest for encompassing the principles, etc.) according to the Interested Partner capacity, the context and the typology of BPs.	Universidad Pablo de Olavide of Seville (organization of the technical acts sent by the AP-BP involved)	Jun 2014 (SC Montpellier)
17	Administrative Acts to transpose the BPs into internal procedures / laws / programmes	60 Acts/letters of intentions by the involved competent MED coastal Administrations to officially integrate the BPs in their administrative procedures/laws/programmes	Each partner for its BP/s adopted (Lazio Region is responsible for the survey of this Ph.2.4/A)	Oct 2014 (SC Rome)
18	Steering Committee meetings & related minutes	4 Steering Committees for the institutional and technical management will be hold in Ferrara (kick-off), Montpellier, Valencia and Rome (final).	Lazio Region, Feports, Department of Hérault	Sep 2013, Mar 2014, Jun 2014, Oct 2014

19	International Conferences	4 International Conferences associated to the Steering Committee meetings (the day after) to promote, present, discuss and diffuse COASTGAP objectives and results with target groups.	Lazio Region, Feports, Department of Hérault	Sep 2013, Mar 2014, Jun 2014, Oct 2014
20	Meetings at EU level	3 meetings at EU level in Brussels with competent EU maritime Authorities –at least DG MARE and DG ENV– for the presentation/discussion of the Policy Papers on adaptation to CC (deliv. n. 1).	Lazio Region	Apr 2014, Sep 2014, Dec 2014
21	Internal Control System	Set up of a process designed to provide reasonable assurance regarding the achievement of project objectives in the following categories: effectiveness and efficiency of actions; reliability of financial reporting; compliance with applicable laws and regulations.	Lazio Region	
22	External mid-term evaluation	Evaluation of the process of capitalisation pursued by COASTGAP, carried out by the UNEP Priority Actions Programme/Regional Activity Centre (PAP/RAC).	Tuscany Region (PAP/RAC)	May/June 2014
23	Web-Gis tool updating FACECOAST Obs. Network 3.2/A	Interviews & consultations of institutional External Partners to update existent dataset concerning policy-maker Organizations on coastal-maritime planning at MED basin level, as Public Administrations directly and effectively dealing with coastal maritime planning and interventions.	Lazio Region	Mar 2014
24	Catalogue of the Coastal Survey services and standards (on WebGis) 3.2/B	The Catalogue of the Coastal Survey services and standards will be compiled on the grounds of the running activities of the MED Observatories, their most efficient technologies and other relevant experiences. The Catalogue aims to facilitate the sharing of best practices in coastal survey, their cost assessment and the best fitting solution individuation for each situation.	Lazio Region & Tuscany Region	Draft of the Catalogue Mar 2014
25	Inquiry on Coastal Observatories 3.2/C	In parallel to the BP 9 on WEB-GIS platform and BP 7 on SDI/Geoportal for ICZM and by the help of FACECOAST cluster, a verification of the existing conditions for an agreement between Mediterranean Observatories will be assessed. The goal is to start-up an operational network focused on sharing standards and services in coherence with Bologna Charter (EURIOMCODE)	REMTH	Jun 2014
26	Recognition report on Mediterranean Agreements, MoUs and COASTGAP Standard Protocols 3.3/A	The Recognition Report will be presented during the 2 nd Meeting after an enquiry focused on the typologies of acts, their consistency with the “Bologna Charter” principles and their real efficacy in obtaining results. The COASTGAP Standard Protocols will enhance existing relationships and promote new ones (network among projects)	Department of Hérault & FEPORTS	Jun 2014

27	Protocols&MoUs “agreement background” for the JAP (Bi-Trilateral promotional meetings) 3.3/B	On the grounds of the debate about the Recognition Report, a series of standard protocols, suitably customized and whereof usefulness has been demonstrated, were prepared and launched for their approval. Bi-Trilateral promotional meetings are to be foreseen for a closer management of the action.	Department of Hérault	Dec 2014
28	Functional link (synergies, utilities, facilities) between the cluster FACECOAST and the PEGASO ICZM Platform (Report 3.4/A)	In parallel with Ph 2.1 (communication) the Ph3.4 MED Networking will develop an operational network between MED coastal concerned Organizations to be fed by specific instruments as newsletters, dedicated forum, videoconferences, and, if possible, directly involved in the project as testers of the in progress-capitalized outputs. The ICZM platform of PEGASO project will be used. Taking advantage of external initiatives promoted by COASTGAP External partners or other actors, the participation to conferences, seminars and joint studies will be carefully pursued.	Autonomous University of Barcelona	Jun 2014
29	Specific conferences, seminars and joint studies for the networking with EU and MED realities (newsletters) 3.4/B			Dec 2014

COASTGAP WORKING PACKAGES

Work package 1: Administrative & financial management of the project / coordination of the partnership	<i>Ph1.1 Institutional and technical coordination</i>
	<i>Ph1.2 Financial and technical monitoring & reporting</i>
Work package 2: Information, awareness raising and capitalisation	<i>Ph2.1 Communication Strategy</i>
	<i>Ph2.2 Project Web Services</i>
	<i>Ph2.3 Meetings & Events</i>
	<i>Ph2.4 Mainstreaming and impact at basin scale</i>
Work package 3: Streamline of projects outputs & MED Networking	<i>Ph3.1 Analysis and streamline of projects outputs</i>
	<i>Ph3.2 Survey of MED coastal Organisations</i>
	<i>Ph3.3 Protocols, agreements & MOUs</i>
	<i>Ph3.4 MED Networking</i>
Work package 4: Design and feasibility study of the Joint Action Plan	<i>Ph4.1 Design of the Joint Action Plan</i>
	<i>Ph4.2 Feasibility study for the Joint Action Plan</i>

COASTGAP TIMETABLE

		2013					2014													
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Mai	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Work package 1	Ph1.1 Institutional and technical coordination																			
	Ph1.2 Financial and technical monitoring & reporting																			
Work package 2	Ph2.1 Communication Strategy																			
	Ph2.2 Project Web Services																			
	Ph2.3 Meetings & Events																			
	Ph2.4 Mainstreaming and impact at basin scale																			
Work package 3	Ph3.1 Analysis and streamline of projects outputs																			
	Ph3.2 Survey of MED coastal Organisations																			
	Ph3.3 Protocols, agreements & MOUs																			
	Ph3.4 MED Networking																			
Work package 4	Ph4.1 Design of the Joint Action Plan on MED ACC																			
	Ph4.2 Feasibility study for the Joint Action Plan on MED ACC																			

COASTGAP WORKING PLAN DESCRIPTION

1. WORK PACKAGE 1: ADMINISTRATIVE AND FINANCIAL MANAGEMENT OF THE PROJECT / COORDINATION OF THE PARTNERSHIP

Ph1.1 Institutional and technical coordination (Lazio Region)

Institutional and technical coordination at the different levels involved. At the strategic level, it includes overall coordination by the Steering Committee (Lead partner + partners). At the operational level, it includes the activities of the Technical Committee (Lead partner + partners + technical advisors) for the coordination of on-going activities consistently with the overall project objectives.

At the regional level, this phase includes coordination of the regional networks of stakeholders and the coherence of project activities with partners' policy objectives.

Ph1.2 Financial and technical monitoring and reporting (Lazio Region)

Monitoring of financial and technical progress achieved and the fulfilling of the regular reporting requirements. Each partner nominates a Financial Manager at the project's outset, for the coordination of financial management and certification procedures. They interface with the Lead Partner's Financial Manager for the regular collection of data and timely reporting according to Programme requirements. The Lead Partner will rely upon an external Technical Assistance service for support in the technical and Financial management of the project.

2. WORK PACKAGE 2: INFORMATION, AWARENESS RAISING AND CAPITALISATION

Ph2.1 Communication Strategy (Lazio Region)

The communication strategy focuses on decision makers at local and regional levels, local stakeholders, scientific institutions at European, Regional and Local levels, local media, professional associations, NGOs and others. The communication strategy is presented in a Communication and Dissemination Plan (CDP) containing the tools and their management in time and space. The CDP indeed identifies targets, tools and intermediate deadlines for communication, dissemination, promotional, publicity and informative actions at European and local scale. At a local scale the communication actions will be implemented in each partner's territory, involving the stakeholders and the key actors.

Ph2.2 Project Web Services (Lazio Region)

Launching and maintenance of COASTGAP public web site and services, including access to the project's activities and outputs, as well as several coherent web spaces concerning the different pilot projects experiences. The website provides services to support internal project management activities, in particular administrative and financial issues, thanks to a specific private area for the partnership questions, official documents, financial progress, forum, news, etc. The project web services provide specific support to the organisation and management of

project public conferences. At the end of COASTGAP, the public website will be re-engineered for low maintenance requirements to ensure long-term operation.

Ph2.3 Meetings & Events (Lazio Region)

This Phase includes all the seminars, meetings and communication events to ensure the widest awareness, sharing, transfer and diffusion of the capitalizing outputs of COASTGAP to the targeted network. Events are carried out under a coordinated strategy and calendar, using the common tools developed in coherence with the Communication&Dissemination Plan. At least one international public conference, following the Steering Committee meetings, is held in IT, FR, ES. Each partner manages local events (at least 3) involving local actors, policy-makers and stakeholders to provoke and improve their awareness, collect needs and requests, involve them into the project as users, provide them with project's outputs/BPs, invite them to formally adopt them.

Ph2.4 Mainstreaming and impact at basin scale (Lazio Region)

It concerns a series of two actions of mainstreaming at basin scale, involving a multi-level set of MED policy-makers. The first action concerns the administrative adoption of the BPs after their technical/operational tuning up & adaptation. The impact is guaranteed by about **60 Administrative Acts (2.4/A)** at different levels and with different intensity, demonstrating the concrete mainstreaming of the BPs. On the other hand, the policy recommendation “Bologna Charter 2012” and the Joint Action Plan represent respectively the political and the technical backbone of the second action of mainstreaming (policy-impact at EU/MED level), focused at feeding/impacting next programming period 2014-2020 with a MED basin methodology to face coastal risk: **2 Policy Papers (2.4/B)** on “Bologna Charter 2012” and the Joint Action Plan will be presented and discussed with EU DGs dealing with Coastal and Maritime Policies in 3 specific meetings in Brussel.

3. WORK PACKAGE 3: STREAMLINE OF PROJECTS OUTPUTS & MED NETWORKING

Ph3.1 Analysis and streamline of projects outputs (Pablo Olavide University of Seville)

The capitalizing BPs/outputs will be subjected to a deep technical and consistency analyses, setting up a win-win relationship between Partners Proposing BPs and Partners Interested in their adoption. This analyses aims to highlight and cope with technical and/or formal lacks of the BPs/outputs as regards to the needs and specific features raised up by partners/other Organisation involved. Finally, the capitalizing BPs/outputs will be subjected to a process of logical and technical streamline (organization by function, typology, etc), essential to organize and set up a consistent toolbox of operational instruments for the MED coastal-maritime planning which the Joint Action Plan will be founded on.

3.1/A: Promoters Partner’s Reports

3.1/B: Interested Partner’s Reports

3.1/C: Book of Technical acts

Ph3.2 Survey of MED coastal Organizations (Macedonia East and Thrace Region - REMTH)

Specific activity of survey of the policy-maker Organizations on coastal-maritime planning at MED basin level, as Public Administrations directly and effectively dealing with coastal maritime planning and interventions, will be carried out through the already existing analyses (MAREMED, COASTANCE, etc.), the engagement of the institutional COASTGAP External Partners and the arrangement of specific interviews and consultations in order to set up a framework of aware and institutionally competent actors.

Their related features and needs, in terms of know-how, tools and resources to carry on/improve properly their institutional tasks, will be pointed out and compared with BPs & outputs in parallel with Ph.3.1.

3.2/A Analysis of the existing dataset of MED Observatories

On the grounds of previous experiences (BEACHMED-e/OBSEMEDI, MAREMED) a revisiting action will be carried out in order to update existent dataset concerning policy-maker Organizations on coastal-maritime planning at MED basin level, as Public Administrations directly and effectively dealing with coastal maritime planning and interventions. The upgrade of the MED Observatories will include the engagement of the institutional COASTGAP External Partners and the arrangement of specific interviews and consultations in order to set up a framework of aware and institutionally competent actors. A Web-Gis tool will be set up by Lazio Region, gathering information about the Observatories, implementing the existent in www.facecoast.eu (built up during the cluster activity). The REMTH is in charge of monitoring the upgrading of the MED Observatory dataset.

3.2/B Coastal Survey services and standards Catalogue

The Catalogue of the Coastal Survey services and standards will be compiled on the grounds of the running activities of the MED Observatories, their most efficient technologies and other relevant experiences. The Catalogue aims to facilitate the sharing of best practices in coastal survey, their cost assessment and the best fitting solution individuation for each situation. A specific session in the kick-off meeting will deal with this topic and in the 2nd meeting an open discussion on the draft Catalogue will be held. The Catalogue will be available on the Web-Gis site. Lazio and Tuscany (BP – Coastal Observatory) regions are committed in particular to this action. The REMTH is in charge of monitoring this issue.

3.2/C EURIOMCODE facilities

The feasibility of a network of MED Observatories (EURIOMCODE) was carried out in Beachmed-e/Obsemedi and an hypothesis of its structure as a EGTC, was analyzed in COASTANCE. Many gathered elements show the usefulness of such a network but, willing guarantee its economical autonomy, a “daily” interest for it among its potential members must be aroused. Then a conducted enquiry (i.e. with pre-illustrated examples) about the most wished facilities, will be held among MED Observatories. The results of this action will be shown in the 3rd meeting. Examples of these facilities will be implemented in the Web-Gis. The REMTH is in charge of monitoring this issue.

Ph3.3 Protocols, agreements & MOUs (Department of Hérault)



Projet cofinancé par le Fonds Européen
de Développement Régional (FEDER)
Project cofinanced by the European Regional
Development Fund (ERDF)



Specific Protocols, Agreements and MOUs with the involved Public Authorities and Stakeholders are foreseen to ensure their formal commitment in the capitalization process of COASTGAP. The Final Declaration of Komotini (COASTANCE www.coastance.eu) will help this process of gradual commitment. The formal involvement of the MED South-East Bank Institutions will take advantage of the 2010-2020 General Agreement for the Framework Project “BEACHMED-3” signed in 2009 (on COASTANCE website www.coastance.eu) between EU MED Regions, African and Asian Public Administrations in the MED area as a formal base for the ENPI CBC initiative, promoting the "sustainable defence of Mediterranean coastal areas”.

3.3/A: Recognition

A specific action concerns acts like protocols, MoUs, agreements with involved Public Authorities and Stakeholders to describe their commitment in the capitalization process launched by COASTGAP. A first action will be a recognition of the past or active agreements to cope with coastal risk management, taken among concerned public administrations and/or relevant stakeholders. The general goal is to assist/prepare step by step the “agreement background” for the Joint Action Plan on MED ACC improvement and diffusion. A specific work will be done by FEPORTS regarding coastal communities and port authorities. The Recognition Report will be presented during the 2nd Meeting after an enquiry focused on the typologies of acts, their consistency with the “Bologna Charter” principles and their real efficacy in obtaining results. The Hérault Department is in charge of monitoring this issue.

3.3/B: Promotion

On the grounds of the debate about the Recognition Report, a series of standard protocols, suitably customized and whereof usefulness has been demonstrated, were prepared and launched for their approval. Bi-Trilateral promotional meetings are to be foreseen for a closer management of the action. The Department of Hérault is in charge of monitoring this issue.

Ph3.4 MED Networking (Autonomous University of Barcelona)

Constitution of a operational network between MED coastal Organisations, constantly fed in with actors&stakeholders uptaken through specific actions of local promotion, awareness, information. The external partners form the first core of the network. The networking activities consist in periodic updating of the network actors about the progress of the project with specific instruments as newsletters, a dedicated forum, videoconferences, beside their direct involvement in the project as testers of the in progress-capitalized outputs. Technical aspects of these activities will be diffused and compared by the network activity of FACECOAST cluster by which other European projects/partners will be able to know what is going on and contribute.

3.4/A: FACECOAST and ICZM PEGASO platform

The need of sharing knowledge outside the although large COASTGAP partnership, pooling initiatives and activities, will be faced by using specific tools. One specific action will regard the functional link between the cluster FACECOAST, origin of the COASTGAP capitalization process, and the Mediterranean ICZM Governance platform arising from the PEGASO FP7 Project, to be lead by PAP-RAC after the end of

the PEGASO project. Synergies, utilities, facilities will be explored in order to get FACECOAST a functional part of the ICZM platform. The University Autonoma of Barcelona is in charge of monitoring this action.

3.4/B: Contacts and Initiatives with MED realities

The second action will concern specific conferences, seminars and joint studies to set up for the networking with other European and Mediterranean realities. Taking advantage of some External Partners with institutional competence on ICZM like PAP/RAC, some External Partners with high potential interactivity in the MED area like the EGTC ARCHIMED, CEDA, EUDA, SEDNET, etc., and finally some External Partners of the MED South-East bank like APAL, Ministry of Environment of Israel, this action will focus on the most large and tailored networking about the COASTGAP contents. The University Autonoma of Barcelona is in charge of monitoring this action.

4. WORK PACKAGE 4: DESIGN AND FEASIBILITY STUDY OF THE JOINT ACTION PLAN ON MED ACC

Ph4.1 Design of the Joint Action Plan on MED ACC (Lazio Region)

The Joint Action Plan on MED ACC is a result of the capitalization process, and will be the milestone for the follow-up of FACECOAST cluster strategy regarding a possible Macro-Project “BEACHMED-3”, that was drafted during MEDGov, COASTANCE & MAREMED projects. The Joint Action Plan of COASTGAP will be designed in detail, applying the BPs toolbox and specifying the actions, researches, initiatives, studies, approaches needed for a multi-sectoral, multi-level, macro regional and multi-funded initiative to concretely lower the coastal risk along the MED coasts in the p.p. 2014-2020. The Joint Action Plan will be designed as a part of an Operational programme but with a specific focus and a determined area of intervention, i.e. MED coastal zone.

4.1/A: Preliminary Sketch

The first action will concern a preliminary sketch of the Joint Action Plan on MED ACC where some specific topics will be analyzed in order to individuate the best fitting sub-projects able to get concrete steps ahead towards EU, MED countries and regions. The topics are strictly related to many of the COASTGAP BPs undergoing capitalization, which hints and spurs will be gathered from.

4.1/B: Sharing and Discussion

Since the relevance of the Joint Action Plan on MED ACC in COASTGAP, this action has to be coordinated with many other actions regarding Networking, Protocols, Feasibility, etc.

Seminars and workshops (before and in correspondence with the 3rd Meeting) will be organized about the four main aims of the Preliminary Sketch. A specific output is required in order to summarize observations, contributes and the feasibility action issues. The Lazio Region is in charge of monitoring this action.

4.1/C: Definitive draft

The Final draft of the Joint Action Plan on MED ACC will be presented during the 4th COASTGAP Meeting. The Lazio Region is in charge of monitoring this action.

The structure and contents of the Joint Action Plan on MED ACC, outline of the Macro-project “BEACHMED-3”, will aim at:

- a) Define a detailed framework – through its quantification at the regional level – of the hazard and risk along the Mediterranean coast for the combined effect of CC, erosion, salt water intrusion and other natural/anthropogenic threats and correspondent needs; this step is basic to allow the policy maker a real assessment of the coastal CC impact in concrete terms (damages, costs, loss of territories, etc.)
- b) Find and promote actions to adapt and make the Mediterranean coastal zones more resilient according to the principles of the Integrated Coastal Zones Management and the Coastal/Marine Spatial Planning; this step is basic in order to reduce the coastal risk by opportune rules able to contrast the littoralization in a sustainable manner and preserve the **strategic resource of coastal territory** (e.g. accomplishment of Art.8 provisions of the “Protocol on ICZM in the Mediterranean”)
- c) Develop the regional balance of the coastal sediments through an adequate knowledge of the inland, coastal and marine resources in the Mediterranean basin and evaluate the best systems to manage this resource from the environmental, economic, technological, legal point of view ; this step is basic to know, protect and correctly use the **strategic resource of the Mediterranean marine sediments**
- d) Launch a network of public organization (preferably coastal administrations) for Mediterranean coastal survey and transferable priority pilot work for the adaptation to CC and the sustainable protection of Mediterranean coastal stretches;

The main axes of the plan will cover the following aspects:

1. Characterization of Mediterranean coastal zones under the profile of their morphology, resilience and use (exposition to erosion, floods, groundwater salinization, width, demography, littoralization, etc.) at a territorial scale to allow an aware planning of the coastal zones integrated management (EUROSION-MED project);
2. Reliable and shared elements for Regional Master Plans finalized to the coastal adaptation to CC and fight against erosion/littoralization and consistent Local Plans for the Integrated Coastal Zones Management in the Mediterranean to allow a sustainable recovery of the resilience of the coastal territory (ICZM PLANS);
3. Research, characterization and assessment of the coastal and marine sediment resources in the Mediterranean region to allow a sustainable recovery of the coastal sediment balance (RESEARCH);
4. Environmental strategic assessment of the plans for sediment resources exploitation and sustainable coastal protection by nourishment (ESA);
5. Legal tool and agreements needed for the coastal and maritime spatial planning provided by the integrated management of the coastal and marine resources of sediments (MSP);
6. Implementation of protection/adaptation priority works against the natural and anthropic coastal risks consistent with the planning framework (INTERVENTIONS);
7. Survey and monitoring before, during and after the foreseen actions through the institution of a network of Mediterranean Observatories (EUropean Interregional Observatories for the Mediterranean COastal DEFence - EURIOMCODE).

The toolbox of instruments for the MED coastal-maritime planning and management built up in the WP3 capitalising the project BP & output, will be integral part of the Joint Plan.

Ph4.2 Feasibility study for the Joint Action Plan on MED ACC (Decentralized Administration of Crete)

The Joint Action Plan on MED ACC will undergo several specific assessments in order to evaluate its feasibility and suitability, concerning the technical and socio-economic aspects, the strategy for the choice of priorities, etc. Many External Partners will be involved directly in this feasibility assessment, having specific competences in the different topics. The arrangement of the FS includes participation actions: confrontation with different External Partners, with competent DGs, and especially with stakeholders.

4.2/A: Confrontation with stakeholders

The first action will start just after the Preliminary Sketch completion and will consist in a series of meetings and workshops to be held in concomitance with WP4-Ph4.1/B and focused on the existing conditions (technological, administrative, institutional, etc.) for the Joint Action Plan on MED ACC initiatives feasibility. Many of the External Partners will be involved in this confrontation and other stakeholders will be invited. The specific role of the private companies will be analyzed in deep as one of the most reliable indicator for the practical feasibility. The Decentralized Administration of Crete is in charge of monitoring this action.

4.2/B: Preliminary FS

The feasibility evidences and the difficulties will be gathered and presented in occasion of the 3rd Meeting. This output will help the analysis of the Joint Action Plan on MED ACC, stressing weaknesses and opportunities. The Decentralized Administration of Crete is in charge of monitoring this action.

4.2/C: Confrontation with DGs and financing bodies and Final FS

Both Preliminary Sketch and Preliminary FS of the Joint Action Plan on MED ACC will be presented to EU DGs (in occasion of the 3rd Meeting and with specific later events) to gather their impressions, suggestions and contributes. The National Authorities Ext Partners will be asked to follow this process. The Final Feasibility Study of the Joint Action Plan on MED ACC will be presented during the 4th COASTGAP Meeting. The Decentralized Administration of Crete is in charge of monitoring this action.