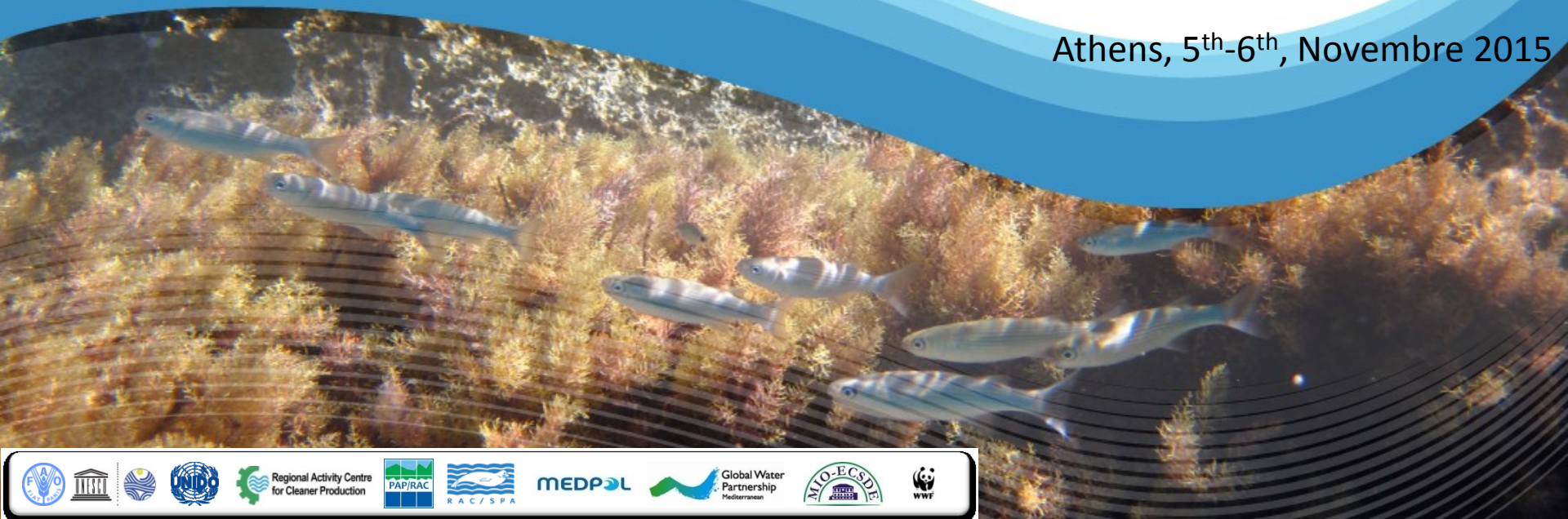


Regional Workshop for Members of Parliaments, Media and Stakeholders on Climate Change Adaptation in the Mediterranean Coastal Area

Experiences and lessons learned from the ClimVar Project

Mr Antoine Lafitte – ICZM programme officer –
Plan Bleu / RAC

Athens, 5th-6th, Novembre 2015



Plan Bleu's results accomplished

- Process
- Innovation

Process



Process 1

What about data availability ?

Data gaps ?

***Existing monitoring programs in
participating countries ?***

Objective

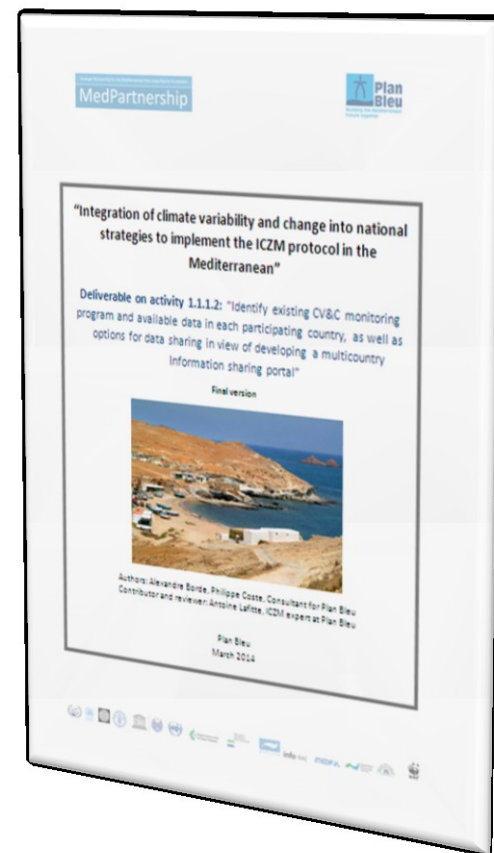
identify key national institutions monitoring & hosting data related to CVC and ICZM.

Method

- **7 National workshops** have been moderated in Albania, Bosnia & Herzegovina, Montenegro, Morocco, Algeria, Egypt and Palestine (*April - November 2013*).

Products

- A regional synthesis
- A regional report on CVC and ICZM Indicators
- 7 national factsheets which present the current status for each participating countries on *data availability (related to CVC), Data gaps, monitoring programs, national institutions dealing with CVC & ICZM, ...*



Process 2

Participatory approach : Climagine

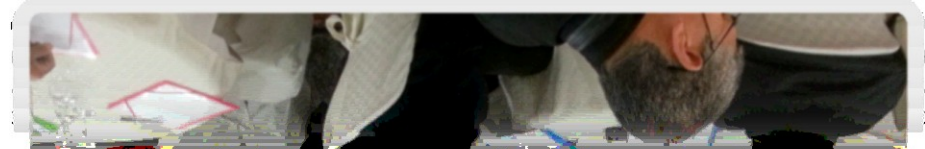
Climagine's goals

Strong discussions between **local authorities** (*municipalities of Kerkennah & Sibenik*), local and national **stakeholders** and **institutions** (*Plan Bleu, PAP RAC, UNEP GRID Geneva, GWP Med and APAL*).

Climagine implementation in both « coastal vulnerable areas » met a great success and interest!

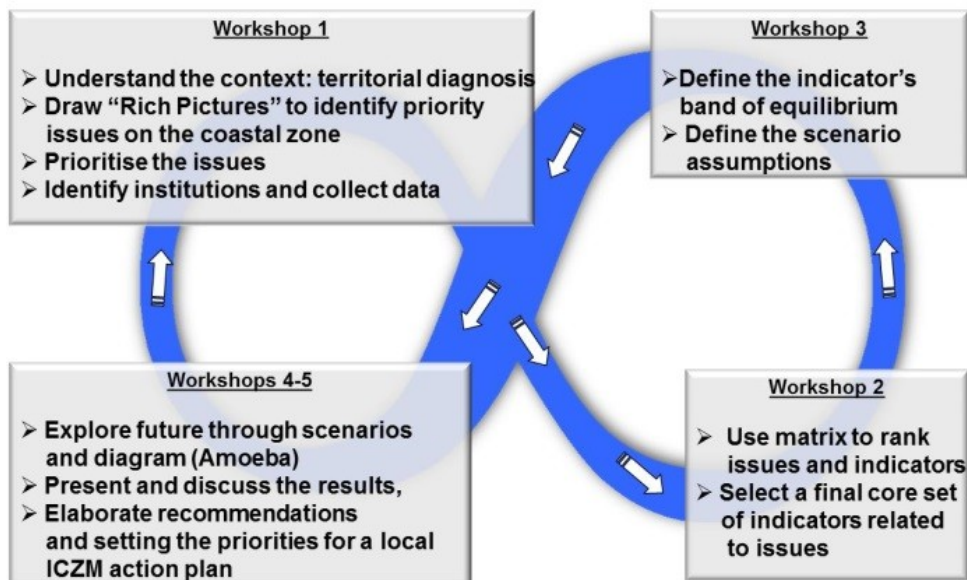


Credits: Lafitte. A

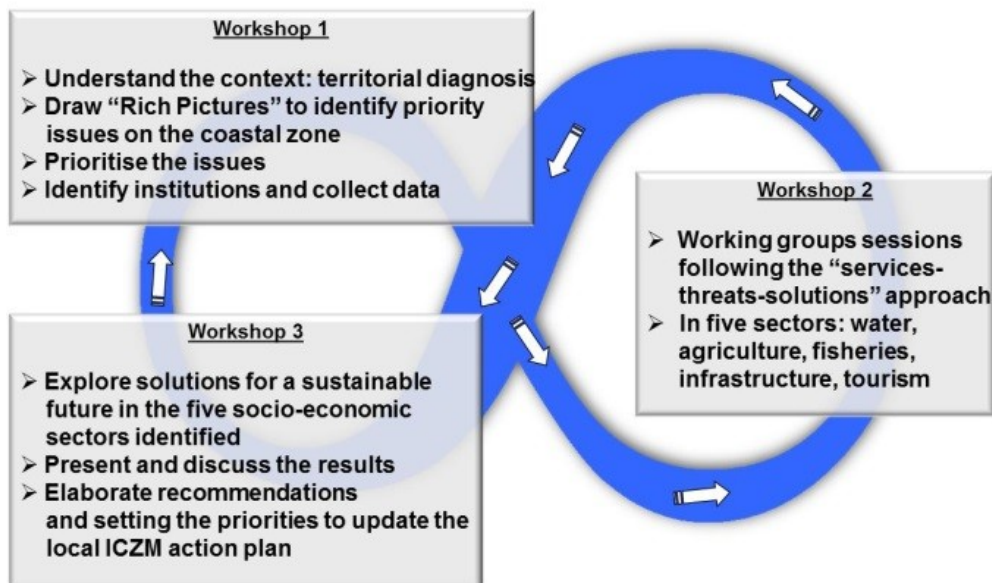


Šibenik, Novembre 2013

Climagine Process in Croatia

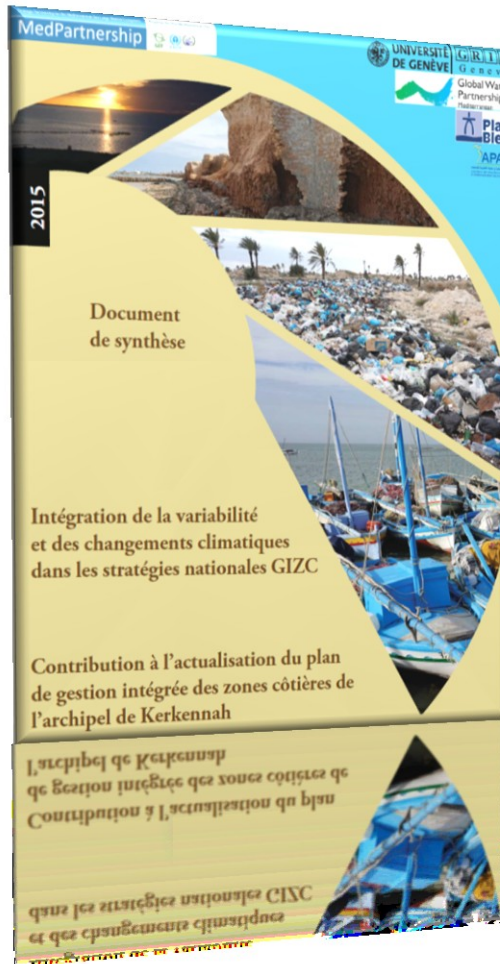


Climagine Process in Tunisia



Products for Tunisia (Kerkennah Archipelago)

Currently a comprehensive database with a web mapping interface <http://kerkennah.grid.unep.ch/> is available + a report



via this interface, the user can :

- view the available layers and create maps
- search each layer individually and consult its metadata (*if indicated*)

Innovation



Innovation 1

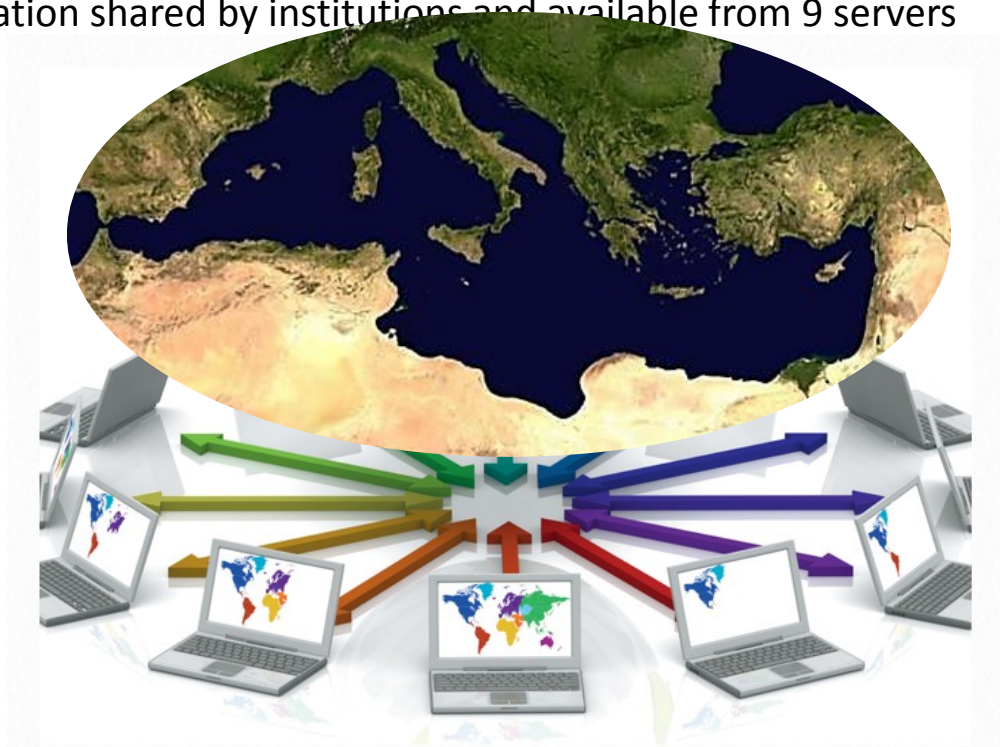
*Mediterranean Integrated Climate
Information Platform (MedICIP)*

A common effort for data sharing and information linked to the impacts of climate changes on the Mediterranean coastal zones

Accessing and visualising services published by institutions:

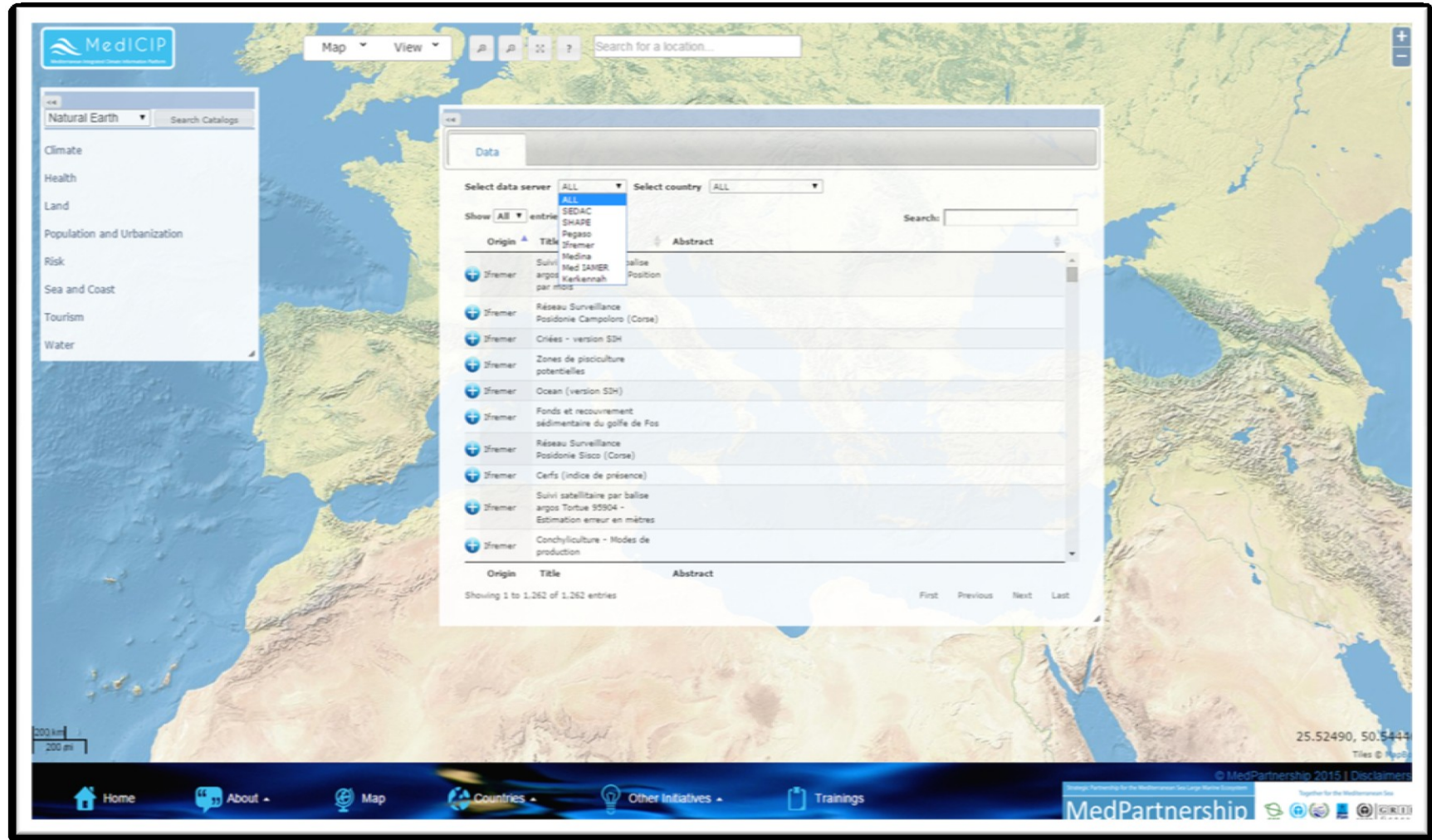
- 1- Metadata services: users can find information shared by institutions and available from 9 servers
- 2- Cartographic services: users can display maps and overlay them with other layers of information
- 3- Bibliography services: links to documents and other relevant initiatives at Mediterranean and global levels

MedICIP needs institutions to share their data !



What is already available ?

- **Data and layers** : Set of GIS layers (1262), harvested through 7 servers and categorized
- **Library** : +/- 100 documents available (regarding CC & ICZM)
- **Training materials**: 2 Training workshops: 60 experts trained in the 11 eleven participating countries



The screenshot displays the MediCIP web application interface, which is overlaid on a map of the Mediterranean region. The interface includes a search bar at the top with the text "Search for a location...". On the left side, there is a sidebar with a "Natural Earth" dropdown menu and a "Search Catalogs" button. Below this, a list of categories is visible: Climate, Health, Land, Population and Urbanization, Risk, Sea and Coast, Tourism, and Water. The main content area features a "Data" panel with a "Select data server" dropdown (set to "ALL") and a "Select country" dropdown (set to "ALL"). A "Show" dropdown is set to "All entries". A search bar is also present in this panel. Below these controls is a table with columns for "Origin", "Title", and "Abstract". The table lists various data entries, including "Suivi Médina argos", "Réseau Surveillance Posidonie Campolons (Corse)", "Onies - version SDH", "Zones de pisciculture potentielles", "Ocean (version SDH)", "Fonds et recouvrement sédimentaire du golfe de Fos", "Réseau Surveillance Posidonie Sisco (Corse)", "Cerfs (indice de présence)", "Suivi satellitaire par balise argos Tortue 95904 - Estimation erreur en mètres", and "Conchyliculture - Modes de production". At the bottom of the table, it indicates "Showing 1 to 1,262 of 1,262 entries". The bottom of the interface features a navigation bar with links for Home, About, Map, Countries, Other Initiatives, and Trainings. The footer includes the MedPartnership logo and the text "© MedPartnership 2015 | Disclaimers".

<http://medicip.grid.unep.ch>

The screenshot displays the MedICIP website interface. At the top, the MedICIP logo is centered, with the text 'Mediterranean Integrated Climate Information Platform' below it. A navigation bar contains three tabs: 'INSTITUTIONS' (selected), 'DOCUMENTS', and 'LEGAL FRAMEWORK'. On the left side, a vertical list of flags represents various countries: Albania, Algeria, Bosnia & Herzegovina, Croatia, Egypt, Libya, Montenegro, and Morocco. The main content area lists several institutions under the 'INSTITUTIONS' tab:

- Ministry of Environment Forest and Water Administration (MEFWA)
- Ministry of Public Work and Transportation (MPWTT)
- Agency of Environment and Forestry (AEF)
- Albanian Geological Survey Institute (AGSI)
- Institute For Nature Conservation in Albania (INCA)
- Institute of Nature Conservation (-INC)
- Protection And Social & Environmental Development Association (PSEDA)

At the bottom of the page, a footer contains the text '© MedPartnership 2015 | Disclaimers' and a navigation bar with links: Home, About, Map, Countries, Other Initiatives, and Trainings. The MedPartnership logo is also present in the footer.

The screenshot displays the MedICIP website interface, specifically the 'PROJECTS AND INITIATIVES' tab. The navigation bar at the top shows 'PROJECTS AND INITIATIVES' (selected) and 'POLICY AND INSTRUMENTS'. The main content area is divided into three columns, each featuring a project or initiative with its logo and description:

- DMCSEE**: Drought Management Centre for Southeastern Europe. Logo: DMCSEE.
- SDIMED**: Spatial Data Infrastructure of the Mediterranean - Map viewer. Logo: SDIMED.
- Mediterranean Climate Outlook Forum**: MedCOF aims at enhancing the collaboration and joint contribution of Regional Associations I and VI in developing capacities for the Climate Services Information System within the GPCS. MedCOF will serve as an umbrella of the already existing COPS in the region -PRESANORD and SEECOF- mainly focusing on promoting training and operational activities on seasonal timescales. MedCOF also integrates Western European and Middle Eastern Mediterranean countries. Logo: MedCOF.
- Pegaso**: Pegaso platform is a geospatial data platform for the Mediterranean sea. Logo: pegasoproject.
- SHAPE - Adriatic Atlas**: SHAPE project - The Adriatic Atlas was designed as a tool for storing, visualizing and managing all those data which are necessary in order to implement the Integrated Coastal Zone Management (ICZM). Logo: SHAPE.
- South East European Climate Change Center**: SEEVCCC is the institution, hosted by Republic Hydrometeorological Service of Serbia, which brings together scientists from different areas of research to work together. The Center's operational functions are climate monitoring, long range forecast, monthly forecast and dust forecast. Dust forecast is part of the SDS-VAS project, where evaluation of dust models is also performed. Research and development activities are mostly related to the numerical modeling of the Earth system components, and their application in agriculture, forestry, energetics, and other aspects of economy. Logo: SEEVCCC.

At the bottom of the page, a footer contains the text 'MEDGIS-MAR' and a navigation bar with links: Home, About, Map, Countries, Other Initiatives, and Trainings. The MedPartnership logo is also present in the footer.

Innovation 2

*Methodology to identify coastal
« hotspots » at regional and local levels*

- Development of a **coastal risk index** for the regional and national levels.
- Contract between Plan Bleu and Acclimatise/Climalia and associates

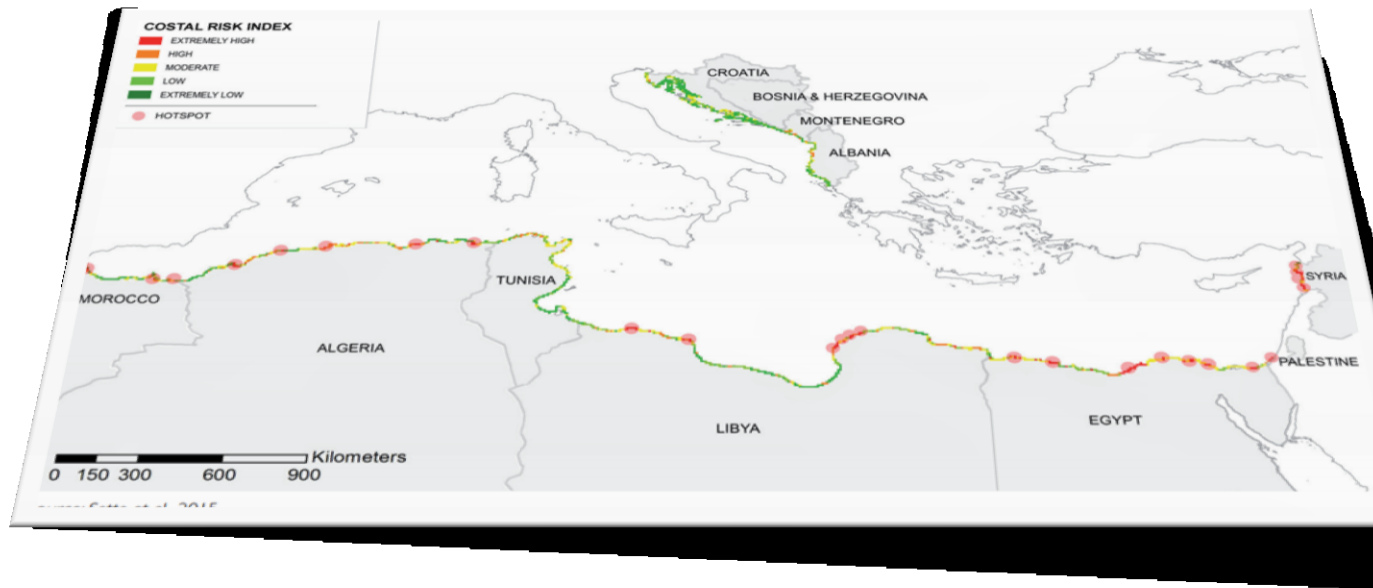


- Objectives:

- ✓ Develop a **methodology** allowing a regional assessment **to identify coastal “hotspots”**
- ✓ **Support the decision making process** at national level and local levels

Products

- A series of 15 maps : to illustrate **coastal risk, exposure, vulnerability** and **forcing** at regional and national scales.
- *1 risk map for Tétouan coastal zone in Morocco*
- *1 report + 1 “Plan Bleu” Notes*



Next steps and what needs to be done for the future to support countries about :

- MedICIP
- Coastal Risk Index (CRI Med)

MedICIP : what should be done now ?

- The real added value of MedICIP is the **contribution of countries**, via this thematic geoportal **to facilitate data sharing and give** access to national data, produced and hosted nationally
- **Identify a "flagship institutions"** in **each country** (with a legal mandate to validate shared data)
- Add a **network of national experts** on CVC and ICZM fields



CRI Med : what is necessary to do now ?

1- Upgrading of the methodology

- **Regional assessment in the Mediterranean (CRI-MED):** more variables needed.
- **Local assessment (CRI-LS):** need a higher definition of Land Cover (e.g. 10m x 10m).

2- Needs for **Stakeholders involvement** to complement local risk assessment exercises **and expert panel** in order to assign weights to the variables of CRI-MED to improve the accuracy



Thank you for your attention !

Email : alafitte@planbleu.org

Credits: Lafitte. A, Kerkennah, January 2015