



UNEP/MED WG.593/6



## Meeting Report

### Fourth Project Steering Committee Meeting of the MedProgramme Child Project 2.1

*Athens, 11 June 2024*



Mediterranean  
Action Plan  
Barcelona  
Convention

## ***Conclusions and Recommendations of the Fourth Steering Committee Meeting of Child Project 2.1***

*On 11 June 2024, the 4<sup>th</sup> Steering Committee Meeting (SCM) of Child Project CP2.1 “Mediterranean Coastal Zones: Water Security, Climate Resilience and Habitat Protection” (GEF ID 9687) implemented in the framework of the Global Environment Facility (GEF) funded Mediterranean Sea Programme (MedProgramme): “Enhancing Environmental Security (GEF ID 9607) was held in Athens, Greece. The Meeting was organized by UNEP/MAP Secretariat / MedPCU.*

*Further to its deliberations, the SCM reached the following conclusions and recommendations:*

- 1. The SCM appreciated work progress achieved to date by the Executing Partners under the two project components on coastal zone management and management of coastal aquifers and related ecosystems and agreed on the importance of continued collaboration among the different partners for the efficient implementation of the activities.*
- 2. The SCM took note of the budget forecast and endorsed the proposal to extend the project at no cost for an additional 1 year (31 March 2026) on the understanding that:
  - a) There is a good level of commitment already in place by all three executing partners including the delivery of all activities as per the approved workplan.*
  - b) The extension will not result in any increase in “permanent staff” costs.**
- 3. The SCM reviewed the work plan of the Child Project CP2.1 for the period extending from Q2/2024 to Q1/2025. The SCM approved the proposed activities as stipulated in working document UNEP/MED WG.593/4.*
- 4. The SCM approved the proposed budget revisions proposed by the Executing Partners and Secretariat/MedPCU as indicated in working document UNEP/MED WG.593/5/Rev.1.*
- 5. The SCM confirmed that the Implementing Agency has the authority to approve in line with GEF and UNEP financial rules, the re-categorization of individual budget lines within the Umoja classes as proposed by the Executing Agency, countries and project partners, provided that there is no re-purposing in the total amount, substantive activities and component totals.*

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## Report of the Meeting

### Introduction

1. In the framework of the Global Environment Facility (GEF) funded Mediterranean Sea Programme (MedProgramme): “Enhancing Environmental Security (GEF ID 9607), and Child Project CP2.1 “Mediterranean Coastal Zones: Water Security, Climate Resilience and Habitat Protection” (GEF ID 9687), the MedProgramme Coordinating Unit (MedPCU) held its Fourth Project Steering Committee Meeting of Child Project CP2.1 in Athens, Greece on 11 June 2024. The Project is executed by United Nations Environment Programme/Mediterranean Action Plan (UNEP/MAP), the Priority Actions Programme/Regional Activity Centre (PAP/RAC), Plan Bleu Regional Activity Centre (Plan Bleu), the Global Water Partnership (GWP-MED) and the UNESCO Intergovernmental Hydrological Programme (IHP).

2. The primary objective of the Project Steering Committee Meeting is to take stock of progress achieved and to review and validate the workplan and budget revisions/forecast of the CP2.1 Project for the forthcoming year.

### Participation

3. The Steering Committee Meeting was attended by representatives from the following GEF-participating countries: Albania, Bosnia and Herzegovina, Lebanon, Montenegro, Morocco, State of Libya, Tunisia and Türkiye. The Meeting was also attended by the United Nations Environment Programme (UNEP), including the Mediterranean Action Plan/ Barcelona Convention Secretariat (UNEP/MAP), as well as representatives from the Priority Actions Programme/Regional Activity Centre (PAP/RAC), Plan Bleu Regional Activity Centre, the Global Water Partnership (GWP-MED), and the UNESCO Intergovernmental Hydrological Programme (IHP).

4. The full list of participants is attached as Annex I to the present report.

### Agenda item 1: Opening of the Meeting

5. The Meeting was opened at 10:00 AM on 11 June 2024 by UNEP/MAP Coordinator, Ms. Tatjana Hema. In her opening remarks, she welcomed the participants to the Meeting. She referred to the successful ASM meeting, pointing out to the need to build upon its achievements in the execution of Child Project 2.1. She indicated that the MedProgramme has an important dimension encompassing a strong integration between its components under the four GEF focal areas. She briefed the Meeting on the plans of MedPCU to undertake a study linking the outcomes of all Child Projects with the aim to demonstrate the synergy achieved further to the integrated approach of the MedProgramme. She stressed the need for the executing partners to timely submit their inputs for preparation of the progress and expenditure reports for future Steering Committee Meetings. She indicated that the Meeting will be presented with a proposal to extend the duration of implementation of planned activities under CP2.1 by one year till March 2026. She wished the Meeting all success, indicating that she is looking forward to its positive conclusions and recommendations.

### Agenda item 2: Adoption of the Provisional Agenda and Organization of Work

6. The Steering Committee Meeting elected Mr. Senad Oprašić from Bosnia and Herzegovina as Chair of the Meeting.

7. The proposed agenda appearing in document UNEP/MED WG.593/1/Rev.1 and annotated in document UNEP/MED WG.594/2 was presented by the Chair. The Steering Committee reviewed and accepted the agenda as included in Annex II to this report.

8. The Steering Committee discussions were held in two plenary sessions, convened over a single day from 10:00 to 13:00 and 14:30 to 17:30. The Meeting was organized in a hybrid mode. Simultaneous interpretation in English and French was available for both sessions.

9. The Meeting addressed all Agenda items.

10. The Meeting closed on 11 June 2024 after adopting its “Conclusions and Recommendations” appended in Annex III to this document.

### **Agenda item 3: Review of CP2.1 Project Implementation Progress**

11. Ms Daria Povh Škugor, Senior Programme Officer presented work progress under CP2.1 accomplished by PAP/RAC as elaborated in Working Document UNEP/MED WG.593/3. Her presentation is included in Annex IV. At the conclusion of her presentation, the countries congratulated PAP/RAC for their work. One country requested information on outputs achieved in the individual countries inquiring if work progress is similar in all countries. Another country stressed the importance of dealing directly with local communities, indicating that for future projects, local communities should have a strong role in order to achieve good results. Another country indicated the need to focus on awareness raising for work undertaken on the ground; stressing the importance of involving people in the projects. One country inquired about candidate Common Indicator 25, inquiring if the methodology can be placed in a scientific framework through publication. One country thanked PAP/RAC for realizing “Coast Day” in Albania, noting that the event provided an opportunity for the active involvement of the public and national authorities, as well as representatives of other countries.

12. In response to Countries’ inquiries, the Senior Programme Officer at PAP/RAC indicated that work progress is slow in both Montenegro and Lebanon. She indicated that project extension will enable the completion of planned activities. She remarked that Coastal Adaptation Plans are living documents and need to be updated in the future, stressing that implementation of these plans can be made in the framework of a future GEF project. She noted that these Plans include many measures which require funding, and attempts should be made to bridge financing proposals to implement the planned measures. Regarding involvement of local communities, she indicated that it is not easy to work with all stakeholders on the ground at this stage. She noted however that stakeholders are involved in the development of the Adaptation Plans. She remarked about the need to release funds for communication and for conducting interviews for stakeholders who did not participate in meetings which were organized in the framework of CP2.1.

13. Mr. Michaël Karner, Project Coordinator presented work progress under CP2.1 accomplished by Plan Bleu Regional Activity Centre as elaborated in Working Document UNEP/MED WG.594/3. His presentation is included in Annex IV. At the conclusion of his presentation, one country inquired about implementation of the Climagine methodology in Lebanon. Plan Bleu Project Coordinator confirmed that the technical team will deliver this activity in time. He indicated that the relevant team of consultants have been contracted to undertake participatory activities on the ground, and that work is underway to ensure delivery of the workshop at the appropriate time.

14. Mr. Dimitris Faloutsos, Deputy Regional Coordinator presented work progress under CP2.1 accomplished by GWP-Med also elaborated in Working Document UNEP/MED WG.594/3. His presentation was followed by Mr. Jose Luis Martin Bordes, Programme Officer at UNESCO-IHP and Ms. Rita Marteleira. Both presentations are included in Annex IV. One country inquired if the manmade river which transports groundwater from south to the coastal north of Libya is of importance for study of groundwater in coastal areas. Another country inquired about procurement issues facing the work of UNESCO in Lebanon. It also requested clarifications about the process of national dialogue and whether it takes into account the comments of people involved. UNESCO’s Programme Officer indicated that the national dialogue aims to collect information from participants and to

formulate the solutions they propose, noting that these are displayed on the knowledge management platform. The Programme Officer indicated that this process is ongoing as the process of compiling the reports is not completed yet.

15. UNEP/MAP Coordinator indicated that it is preferable that the Countries would present work progress achieved in their countries. Focus should be not only about achievements but also about challenges facing project implementation with the aim to address and resolve during the Steering Committee Meeting. In this regard, she recommended that all project focal points would meet online every 6 months; sharing successes and challenges including solutions on way forward, with the aim to enhance coordination between the various Child Project components.

16. The conclusions and recommendations under this agenda item are presented in Annex III of this report.

#### **Agenda item 4: CP2.1 Workplan (2024-2025)**

17. Under this agenda item, Plan Bleu, PAP/RAC, GWP-MED and UNESCO-IHP presented the workplans for the project; each with a focus on their own individual activities as elaborated in Working Document UNEP/MED WG.593/4. Their presentations are compiled in Annex V. The four executing partners indicated the need to extend the remaining period of the project for one year till 31 March 2026 in order to complete planned activities.

18. In response to the presentation on the workplan by Plan bleu, several countries inquired about the work related to the Climagine methodology. One country inquired about the guidelines. Another country sought clarifications about piloting of the Climagine methodology. Plan Bleu Project Coordinator indicated that Climagine was piloted in some areas, noting that experience acquired in Morocco will be shared with other countries. Regarding the Guidelines, he indicated that it will share the table of contents with the countries for their comments. He noted that the guidelines will be developed in English, French and Arabic.

19. A number of inquiries were also raised by the countries on data collection regarding gender aspects in the framework of CP2.1. PAP/RAC Senior Officer noted that they have been trying to collect gender disaggregated data, but results are very modest. Plan Bleu Project Coordinator indicated that Montenegro is collecting data on national and local levels. Montenegro confirmed that data will be soon shared.

20. With regards to the presentation on the workplan by UNESCO-IHP, one country inquired about the characterization of 5 aquifers in Lebanon and methodology applied for characterizing them. UNESCO-IHP Programme Officer indicated that work on characterizing the aquifers is completed.

21. At the conclusion of the discussion, the CP2.1 countries' representatives adopted the workplan of Child Project CP2.1 as presented by the four executing partners and the MedPCU covering the period till the end of March 2025. The countries further approved the project extension till 31 March 2026.

22. The conclusions and recommendations under this agenda item are presented in Annex III of this report.

#### **Agenda item 5: CP2.1 Annual Budget Expenditures and Forecast**

23. Under this agenda item, the MedPCU Programme Coordinator presented the budget revisions, expenditure status and budget forecast for Child Project CP2.1 from Q2 to Q4/2024 and for Q1/2025 as elaborated in Working Document UNEP/MED WG.593/5. The presentation is included in Annex VI of the present report.

24. Further to the presentation on the expenditures, budget revisions and forecast made to members of the Steering Committee, one country requested the MedPCU to show the commitments in addition to the actual expenditures. Another country requested to show spending per country. One country inquired if funds can be shifted between various Child Projects. Yet one more country asked if funds unspent by one country can be shifted to another. MedPCU was requested to coordinate with the countries for the proposed revisions. Finally, one country inquired if there are sufficient funds for knowledge management products given the revision proposed to reduce its amount with the view of utilization for another activity.

25. In response to the countries' inquiries, MedPCU informed the Meeting that figures on commitments will be included in future budget expenditure tables. He indicated that it is not possible to show the amount of spending per country as budgets for activities are set further to delivered outputs which include all countries involved and not per country. He remarked that funds cannot be shifted between Child Projects, which typically cover different GEF Focal Areas. With regards to shifting funds from one country to another, he indicated that this is possible if the former submits a written note stating that it no longer wishes to participate in planned activities. Accordingly, shifting funding to another country is possible further to approval of the Steering Committee and the IW Task Manager. He noted that this was the case for example for Egypt. Concerning sharing budget revisions with the countries, the MedPCU Coordinator remarked that the current Steering Committee Meeting is the proper venue for sharing/discussing proposed budget revisions with the countries. Concerning knowledge products, the MedPCU confirmed that sufficient funding remains available for this activity under CP2.1 and other Child Projects.

26. At the conclusion of the discussion, the countries' representatives approved the budget revisions and budget forecast for 2024-2025 for Child Project 2.1 as presented in Annex VI to this report.

27. The conclusions and recommendations under this agenda item are presented in Annex III of this report.

#### **Agenda item 6: Any Other Business**

28. Under this agenda item, UNESCO-IHP indicated that it is in the process of preparing three publications based on the outputs achieved during implementation of the CP2.1 in the countries. MedPCU Coordinator indicated that these publications can be streamlined with other publications being prepared by other executing partners with the aim to showcase the outcomes of the MedProgramme in an integrated manner. He further indicated that the publications can be produced as official UNEP publications if submitted and accepted by the UNEP publication board.

#### **Agenda item 7: Conclusions and Recommendations**

29. The Meeting reviewed, commented on, and approved the draft "Conclusions and Recommendations" as amended and attached to the present report as Annex III.

#### **Agenda item 8: Closure of the Meeting**

30. After expressing the usual courtesies, the Chair declared the Meeting closed at 17:30 on Tuesday 11 June 2024.

**Annex I**  
**List of Participants**



**REPRESENTATIVES OF THE GEF-PROGRAMME PARTICIPATING COUNTRIES**

<b>ALBANIA</b>	<p><b>Ms. Elvana Ramaj</b> Director Circular Economy Directorate Ministry of Tourism and Environment</p> <p><b>Ms. Shpresa Domi</b> Expert Ministry of Tourism and Environment</p>
<b>BOSNIA AND HERZEGOVINA</b>	<p><b>Mr. Senad Oprašić</b> Head of Environmental Protection Department Ministry of Foreign Trade and Economic Relations of Bosnia and Herzegovina</p>
<b>LEBANON</b>	<p><b>Mr. Adel Yacoub</b> Head of Protection of Natural Resources Department Acting Chief of Natural Resources Service Ministry of the Environment</p>
<b>MONTENEGRO</b>	<p><b>Ms. Djurdjina Bulatovic</b> Directorate for Nature Protection Ministry of Tourism, Ecology, Sustainable Development and Northern Region Development</p>
<b>MOROCCO</b>	<p><b>Mr. Mohammed Amrani</b> Head of the Observatory of Environment Department of Sustainable Development Ministry of Energy Transition and Development</p>
<b>STATE OF LIBYA</b>	<p><b>Mr. Omar Sharif (remote)</b> GEF Operational Focal Point Ministry of Environment</p> <p><b>Mr. Almokhtar Saied</b> Head of Marine and Wildlife Section. Ministry of Environment</p>
<b>TUNISIA</b>	<p><b>Mr. Karim Sahnoun</b> Director of Conventions and Cooperation Projects Follow-up Directorate General of External Relations Ministry of Local Affairs and the Environment</p>
<b>TÜRKIYE</b>	<p><b>Mr. Guven Cakir</b> Ministry of Environment, Urbanization and Climate Change of Türkiye</p>

**UNITED NATIONS ENVIRONMENT PROGRAMME - SECRETARIAT TO THE  
BARCELONA CONVENTION AND COMPONENTS OF THE MEDITERRANEAN ACTION  
PLAN AND OTHER UN AGENCIES & ORGANIZATIONS**

<b>Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean (Barcelona Convention) and its protocols (UNEP/MAP)</b>	<p><b>Ms. Tatjana Hema</b> Deputy Coordinator</p> <p><b>Mr. Mohamad Kayyal</b> MedProgramme Management Officer</p>
<b>GWP Med</b>	<p><b>Mr. Dimitris Faloutsos</b> Deputy Regional Coordinator, GWP-Med Greece</p> <p><b>Ms. Barbara Tomassini (remote)</b> Senior Programme Officer Lebanon</p> <p><b>Mr. Tassos Krommydas</b> Senior Programme Officer Greece</p> <p><b>Ms. Christina Kontaxi</b> Project Manager Greece</p>
<b>PAP/RAC</b>	<p><b>Ms. Daria Povh Skugor</b> Senior Programme Officer</p> <p><b>Mr. Ivan Sekovski (remote)</b> Programme Officer</p> <p><b>Mr. Ante Ivcevic (remote)</b> Programme Officer</p> <p><b>Ms. Veronique Evers (remote)</b> Programme Officer</p>
<b>PLAN BLEU</b>	<p><b>Mr. Michael Karner</b> Project Coordinator France</p>
<b>UNESCO-IHP</b>	<p><b>Mr. Jose Luis Martin Bordes</b> Programme Officer France</p> <p><b>Ms. Rita Marteleira</b> Consultant Portugal</p>

**Annex II**  
**Agenda of the Meeting**

### **Provisional Agenda**

- Agenda item 1:** Opening of the Meeting
- Agenda item 2:** Adoption of the Provisional Agenda and Organization of Work
- Agenda item 3:** CP 2.1 Review of project implementation progress
- Agenda item 4:** CP 2.1 Workplan (2024 – 2025)
- Agenda item 5:** CP 2.1 Annual Budget Expenditures and Forecast
- Agenda item 6:** Any other Business
- Agenda item 7:** Conclusions and Recommendations
- Agenda item 8:** Closure of the Meeting

**Annex III**  
**Conclusions and Recommendations**

## Conclusions and Recommendations

On 11 June 2024, the 4<sup>th</sup> Steering Committee Meeting (SCM) of Child Project CP2.1 “Mediterranean Coastal Zones: Water Security, Climate Resilience and Habitat Protection” (GEF ID 9687) implemented in the framework of the Global Environment Facility (GEF) funded Mediterranean Sea Programme (MedProgramme): “Enhancing Environmental Security (GEF ID 9607) was held in Athens, Greece. The Meeting was organized by UNEP/MAP Secretariat/MedPCU.

Further to its deliberations, the SCM reached the following conclusions and recommendations:

1. The SCM appreciated work progress achieved to date by the Executing Partners under the two project components on coastal zone management and management of coastal aquifers and related ecosystems and agreed on the importance of continued collaboration among the different partners for the efficient implementation of the activities.
2. The SCM took note of the budget forecast and endorsed the proposal to extend the project at no cost for an additional 1 year (31 March 2026) on the understanding that:
  - c) There is a good level of commitment already in place by all three executing partners including the delivery of all activities as per the approved workplan.
  - d) The extension will not result in any increase in “permanent staff” costs.
3. The SCM reviewed the work plan of the Child Project CP2.1 for the period extending from Q2/2024 to Q1/2025. The SCM approved the proposed activities as stipulated in working document UNEP/MED WG.593/4.
4. The SCM approved the proposed budget revisions proposed by the Executing Partners and Secretariat/MedPCU as indicated in working document UNEP/MED WG.593/5/Rev.1.
5. The SCM confirmed that the Implementing Agency has the authority to approve in line with GEF and UNEP financial rules,<sup>1</sup> the re-categorization of individual budget lines within the Umoja classes as proposed by the Executing Agency, countries and project partners, provided that there is no re-purposing in the total amount, substantive activities and component totals.

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<sup>1</sup> GEF rules provides a limit of no more than 10%

**Annex IV**  
**Presentations on Work Progress**



CP 2.1  
GEF IDN 9687

Mediterranean Coastal Zones:  
Water Security, Climate Resilience  
and Habitat Protection



gef UN environment programme Mediterranean Action Plan Barcelona Convention med PROGRAMME  
PAP/RAC Plan Bleu unesco Global Water Partnership



CP 2.1  
GEF IDN 9687



med PROGRAMME





## 4<sup>th</sup> Steering Committee Meeting


11 June 2024 – Athens, UNEP/MAP

Agenda item 3: Review of project implementation progress

*Presented by Daria Povh Škugor*










## Overview of the Component 1


- Main objective of the component: Strengthening and expanding ICZM in the Mediterranean region: reaching a total of 12,500,000 hectares of coastal landscapes and seascapes under improved management by implementing comprehensive ICZM planning and approaches in 4 project Countries, reinforcing the capacity of at least 300 Country experts and administrators in the implementation of ICZM practices and involving coastal populations in awareness-raising activities.

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PROGRESS OVERVIEW OF THE COMPONENT 1






1.1 Multi-stakeholders' consultations on ICZM Protocol ratification and implementation




*Governance*


1.2 Inter-Ministerial Coordination mechanisms for coastal management




1.3 ICZM Strategies/plans developed and adopted



1.4 A series of training events in ICZM, MSP and CVC adaptation developed and implemented



1.5 Raised awareness on the approaches promoted by the project





## 1.1 MULTI-STAKEHOLDERS' CONSULTATIONS ON ICZM PROTOCOL RATIFICATION AND IMPLEMENTATION

### 1.1.1 DEVELOPMENT OF THE MATERIALS FOR THE CONSULTATIONS IN SUPPORT OF ICZM PROTOCOL RATIFICATION/IMPLEMENTATION

1. ENHANCING LAND COVER CHANGE MONITORING
2. ENHANCING COASTAL LEGISLATION
3. ENHANCING COASTAL PLANNING

1.) The initial methodology for the IMAP ECAP common candidate indicator 25 on land cover change developed in 2017 was **reviewed** and **upgraded** with the best available **open source data** and to include **elevation**.



## Land cover change indicator – **crucial indicator** for the Mediterranean coastal zone

IMAP Ecological objective 8 „The natural dynamics of coastal areas are maintained and coastal ecosystems and landscapes are preserved.”

**Other important objectives of the ICZM Protocol:** integrity of coastal ecosystems and landscapes, ecosystem health, balanced allocation of uses, open coastal space, setback zones, avoiding urban sprawl by limiting linear extension of urban development, preventing and reducing effects of the climate change.

- **Urbanisation** – main threat for coastal ecosystems
- **Climate change impacts** (in particular extreme weather events and compound flooding – main threats for **urbanised** coastal zones



CP 2.1  
OCT 2018-2025

PROGRESS OVERVIEW OF THE COMPONENT 1 / OUTPUT 1.1

med  
PROGRAMME

## ECAP IMAP INDICATOR 25 LAND COVER CHANGES

**Proposed changes:**

- use of the open source data
- introduction of the low elevation coastal zone (<5m elevation)
- minimum mapping unit (from 25 to 1ha)
- minimum change detection (from 5 to 1 ha)

**Completed national assessments:**

1. Albania
2. Bosnia and Herzegovina
3. Montenegro
4. Lebanon
5. Morocco

**Completed trainings:**

1. Lebanon
2. Montenegro
3. Tunisia

**Online support:**

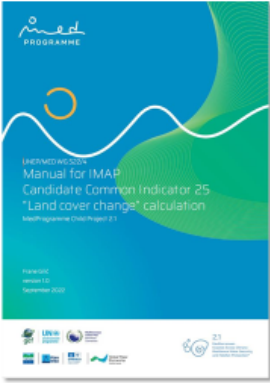
1. Libya

**Ongoing national assessments:**

1. Libya
2. Tunisia

**Training courses:**

1. Morocco (October 2024)



**MEDOPEN: INVITATION TO COUNTRIES!**

PAP/RAC


CP 2.1  
OCT 2018-2025

PROGRESS OVERVIEW OF THE COMPONENT 1 / OUTPUT 1.1

med  
PROGRAMME


## 1.1 MULTI-STAKEHOLDERS' CONSULTATIONS ON ICZM PROTOCOL RATIFICATION AND IMPLEMENTATION

### 1.1.2 SUPPORT FOR THE IMPLEMENTATION/RATIFICATION OF THE ICZM PROTOCOL



2.) Recommendations from the comparative study of Coastal Law

- Based on the comparative study of Algeria, France, Lebanon, Morocco, Tunisia and
- On the outputs of the regional workshop with PAP/RAC NFPs, contracted experts, nominated national legal experts with expertise in coastal legislation held in Split, May 2023)



**Recommendations from the Comparative Analysis of the Coastal Legislation**

Child Project 2.1  
PAP/RAC

DRAFT

PAP/RAC



## 1.1 MULTI-STAKEHOLDERS' CONSULTATIONS ON ICZM PROTOCOL RATIFICATION AND IMPLEMENTATION

### 1.1.2 SUPPORT FOR THE IMPLEMENTATION/RATIFICATION OF THE ICZM PROTOCOL

#### 3.) Support to coastal planning:

- Methodology for Coastal plans &
- Nature-based solutions for adaptation to climate change in different coastal typologies of the Mediterranean



## 1.1 MULTI-STAKEHOLDERS' CONSULTATIONS ON CALCULATION OF THE CANDIDATE COMMON INDICATOR 25 IN TUNISIA

### 1.1.3 NATIONAL CONSULTATIONS IN SUPPORT OF ICZM PROTOCOL IMPLEMENTATION

From 13-15 February 2024 national consultations organized to present and discuss the process of calculating LCC indicator according to the latest update of the methodology for representatives from APAL, National Agency for Environmental Protection, National Institute for Statistics, National Institute for the Sciences and Technologies from the Sea, and Ministry of Environment.

A similar training session is planned in Morocco in October 2024



Tunis, 15 February 2024







PROGRESS OVERVIEW OF THE COMPONENT 1 / OUTPUT 1.2



## STATUS OF THE ACTIVITIES



1.2 INTER-MINISTERIAL COORDINATION MECHANISMS FOR COASTAL MANAGEMENT

### 1.2 INTER-MINISTERIAL COORDINATION MECHANISMS FOR COASTAL MANAGEMENT

Ministers gathered for the implementation of the ICZM Protocol in Tunisia

08.11.2023



On November 6, 2023, an "Information Day on the rationalization of the management of the Tunisian coastline through the implementation of the ICZM Protocol" was organized jointly by PANWAC and the Tunisian Agency for the Protection and Development of the Coast (APAL) within the framework of the GEF MedProgramme. This day brought together eminent speakers, including three of the most relevant ministers for coastal zone management, namely Mr. Chikhaoui-Mahdoui, Minister of the Environment, Mr. Belhassine, Minister of Tourism and Mr. Zaafroun-Zineb, Minister of Agriculture and Fishing. The audience of more than 150 people included, among others, representatives of numerous ministries, APAL branches at the regional level, several NGOs as well as two deputies.

During her opening speech, the Minister of the Environment stressed that the day was the culmination of significant efforts resulting from a participatory approach which contributed to the development of the National Strategy for Integrated Coastal Zone Management and the ratification of the ICZM protocol. These two major advances will be supplemented by the development of execution and implementation plans with the participation of all actors and stakeholders mobilized and committed to achieving the expected objectives. For his part, the

- BOSNIA AND HERZEGOVINA COMPLETED WITHIN CAMP – SUBSTITUTION - DRAFT COASTAL LAW
- PERMANENT ON LINE CONSULTATIONS WITH THE PAP/RAC NATIONAL FOCAL POINTS
- IMC MEETINGS TO BE ORGANIZED IN THE FINAL PROJECT STAGE
- Organization of an information day implementation of the ICZM Protocol in Tunisia, Mariott, November 6, 2023
- Exchange on operating frameworks for inter-ministerial coordination mechanisms for coastal management







PROGRESS OVERVIEW OF THE COMPONENT 1 / OUTPUT 1.3



## STATUS OF THE ACTIVITIES



1.3 ICZM STRATEGIES/PLANS DEVELOPED AND ADOPTED

- NATIONAL STRATEGY IN LEBANON
- INTEGRATED MANAGEMENT PLAN IN DAMOUR
- COASTAL PLAN / SRL TANGER-TETOUAN-AL HOCEIMA (MOROCCO)
- COASTAL PLAN OF BOKA KOTORSKA BAY (MONTENEGRO)
- VULNERABILITY ASSESSMENTS IN ALGERIA



CP 2.1  
2012-2014

PROGRESS OVERVIEW OF THE COMPONENT 1 / OUTPUT 1.3

med PROGRAMME

## NATIONAL ICZM STRATEGY FOR LEBANON

**Activities completed since last SC meeting:**

- Contribution on the coastal legislation analysis finalized
- Assessment of the land cover change finalized
- ICZM policy/literature review
- Stakeholder analysis
- Update of the status of implementation of the ICZM Protocol
- ToR for the National Strategy, ICZM Law & Contribution to Damour IMP developed, tendering procedure implemented according Croatian/EU tendering rules
- National team contracted

WP1: Diagnostic analysis and recommendations  
expert work

WP2: Stakeholder input for ICZM Strategy and the Law  
workshops / round tables

WP3: Securing policy/law coherence  
meetings / consultations / interviews

WP4: Coastal Platform  
internet

WPS: Finalization ICZM National Strategy Action Plan ICZM Law

PAP/RAC

CP 2.1  
2012-2014

PROGRESS OVERVIEW OF THE COMPONENT 1 / OUTPUT 1.3

med PROGRAMME

## NATIONAL ICZM STRATEGY FOR LEBANON – NATIONAL EXPERTS CONTRACTED

<p><b>Manal Nader</b></p> <p>National Team Leader ICZM/Biologist</p> <p>UOB</p>	<p><b>Serge Yazigi</b></p> <p>Spatial Planner</p> <p>UOB</p>	<p><b>Fadi Doumani</b></p> <p>Environmental Economist</p> <p>UOB</p>	<p><b>Josiane Yazbeck</b></p> <p>Environmental Legal Expert</p> <p>UOB</p>	<p><b>Sara Safi</b></p> <p>Sociologist</p> <p>ELARD</p>	<p><b>Maya Abi Zeid</b></p> <p>Policy Coherence Expert</p> <p>ELARD</p>	<p><b>Samah Termos</b></p> <p>GIS Specialist</p> <p>ELARD</p>
<p><b>Ranim Tahhan</b></p> <p>Marine Biologist</p> <p>UOB</p>	<p><b>Andre Kammoun</b></p> <p>Research Assistant</p> <p>UOB</p>	<p><b>Suzanne Baaklini</b></p> <p>Environmental Journalist</p> <p>UOB</p>	<p><b>Hadi AIDbs</b></p> <p>Technical Producer of the Coastal Platform</p> <p>UOB</p>	<p><b>Karen Nawwar</b></p> <p>Environmental &amp; Social Expert</p> <p>ELARD</p>	<p><b>Antoine Waked</b></p> <p>Climate Change Expert</p> <p>ELARD</p>	<p><b>Tarek Mashtoub</b></p> <p>Project Coordinator</p> <p>ELARD</p>

CP 2.1  
OCT 2016

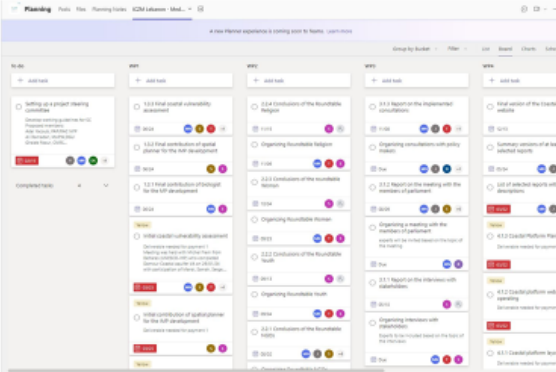
PROGRESS OVERVIEW OF THE COMPONENT 1 / OUTPUT 1.3

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PROGRAMME

## NATIONAL ICZM STRATEGY FOR LEBANON

**Activities completed since last SC meeting:**

- MS teams planning + library setup
- Internal Kick-off + 5 monthly progress meetings held on-line + reports prepared
- Inter-Ministerial ICZM Group established, on-line meeting held (April 19 2024) – report available
- Meeting of the project leaders and HE Minister of Environment held online (May 28 2024)
- Web site developed & opened – June 2024



ACTIVITY	1	2	3	4	5	6	7	8	9	10	11	12
WP1	█	█	█	█								
WP2		█	█	█	█	█	█	█	█	█	█	█
WP3		█	█	█	█	█	█	█	█	█	█	█
WP4		█	█	█	█	█	█	█	█	█	█	█
WP5			█	█	█	█	█	█	█	█	█	█


PAP/RAC

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OCT 2016

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## NATIONAL ICZM STRATEGY FOR LEBANON




1	Ministry of Environment
2	Ministry of Energy and Water (MEW)
3	Ministry of Public Works and Transport Directorate General of Urban Planning Director General of Land and Maritime Transport
4	Lebanese National Center for Remote Sensing
5	Ministry of Agriculture
6	Directorate General of fisheries and wildlife Lebanese Navy Ministry of Defense

**Missing members:**


Ministry of Interior and Municipalities
Directorate General of Local Administrations and Council
Ministry of Finance
Ministry of Culture
Directorate of Antiquities
Ministry of Tourism
Council for Development and Reconstruction



CP 2.1  
Coastal Zone Management




PROGRESS OVERVIEW OF THE COMPONENT 1 / OUTPUT 1.3



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## NATIONAL ICZM STRATEGY FOR LEBANON



HOME ABOUT PAP NEWS MEETINGS

Pivotal Meeting Advances National ICZM Strategy with Full Ministerial Support

23.05.2024




On May 14th, PAP/RAC organised a virtual meeting with Lebanese ICZM team leaders and His Excellency the Minister of Environment to discuss the progress in preparing the National Integrated Coastal Zone Management (ICZM) Strategy and the draft ICZM law. This pivotal meeting also sought the Minister's assistance in obtaining essential data and support.


His Excellency expressed full support for the project, underscoring its importance. He proposed organising a ministerial meeting at the earliest opportunity, bringing together key domains relevant to managing the Lebanese coast. Following this, the Minister recommended convening with key members of parliament to discuss the project further. He also emphasized the importance of comprehensive communication efforts.

All these suggestions fit perfectly with the team's vision and are key ingredients for the Strategy's success: political will, governance, and the use of an integrated approach to developing the Strategy. Additionally, the Lebanese ICZM Team plans to apply a strong participatory approach, supported by Plan Bleu and PAP/RAC, when the Strategy will be discussed in upcoming workshops and roundtables, ensuring its broad acceptance and successful implementation.

The ICZM team in Lebanon is composed of two groups: an expert group assembled by the ELARD company and composed of 14 experts in



4th June 2024



UNEP Regional Seas Programme  
Weekly News


Vol. 4 Issue 18

A compilation of news, events, publications from UNEP Regional Seas Programme and other sources.

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From the UNEP Regional Seas Programme



**Pivotal Meeting Advances National ICZM Strategy with Full Ministerial Support**

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[Read more](#)




CP 2.1  
Coastal Zone Management



PROGRESS OVERVIEW OF THE COMPONENT 1 / OUTPUT 1.3




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Email  
[www2022med@unep.org](mailto:www2022med@unep.org)

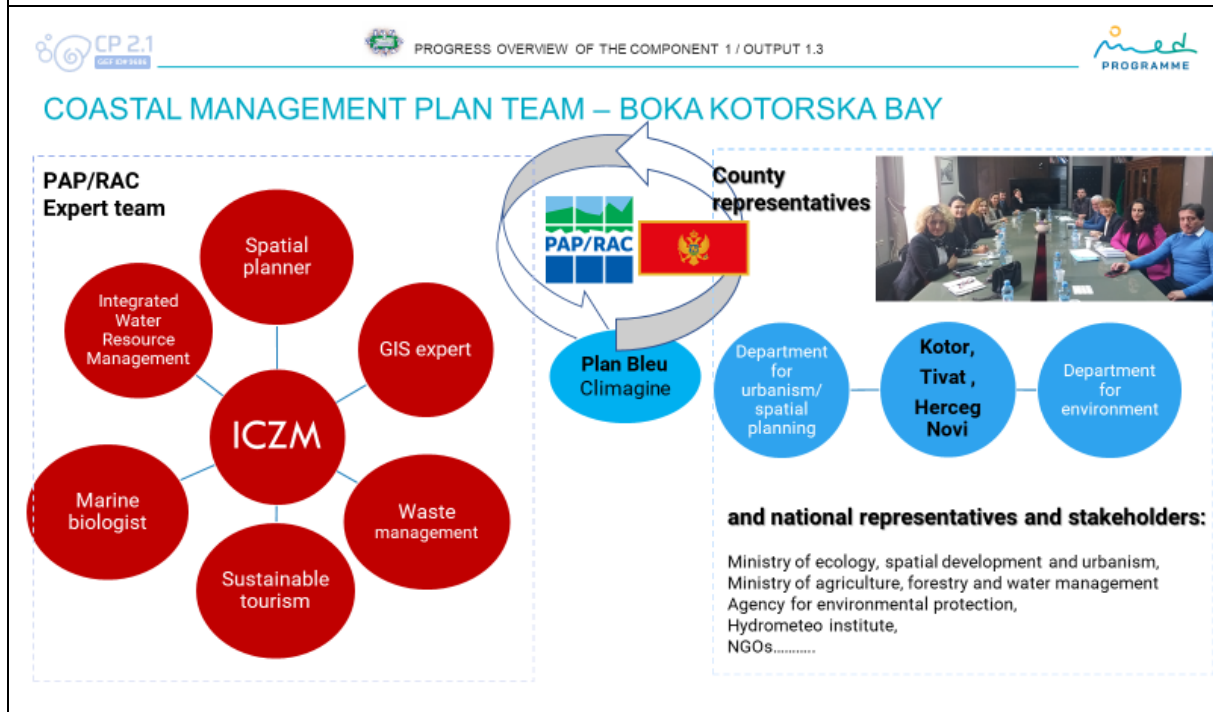
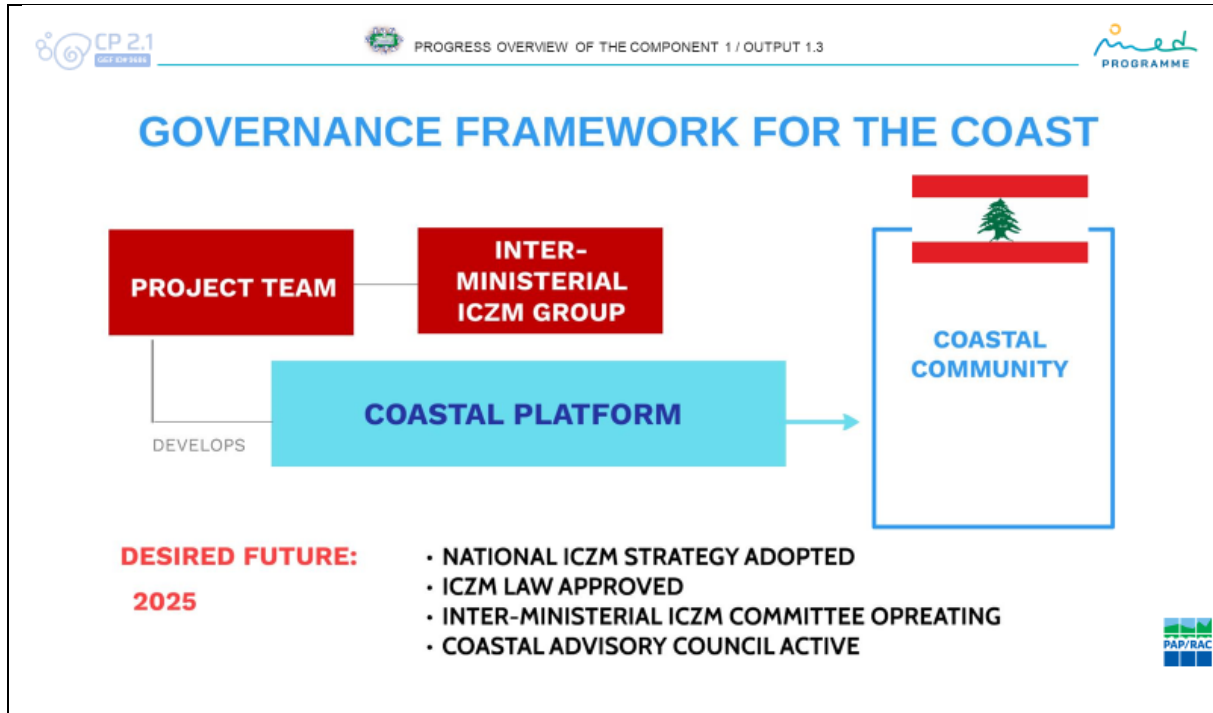
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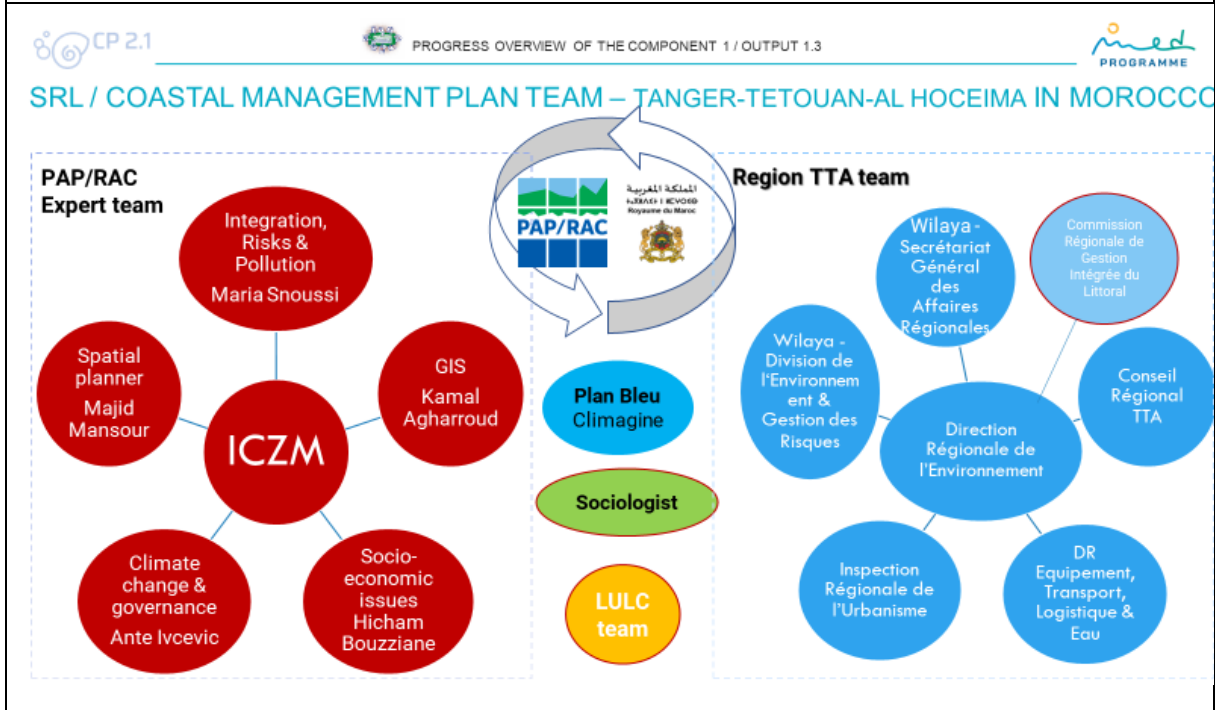
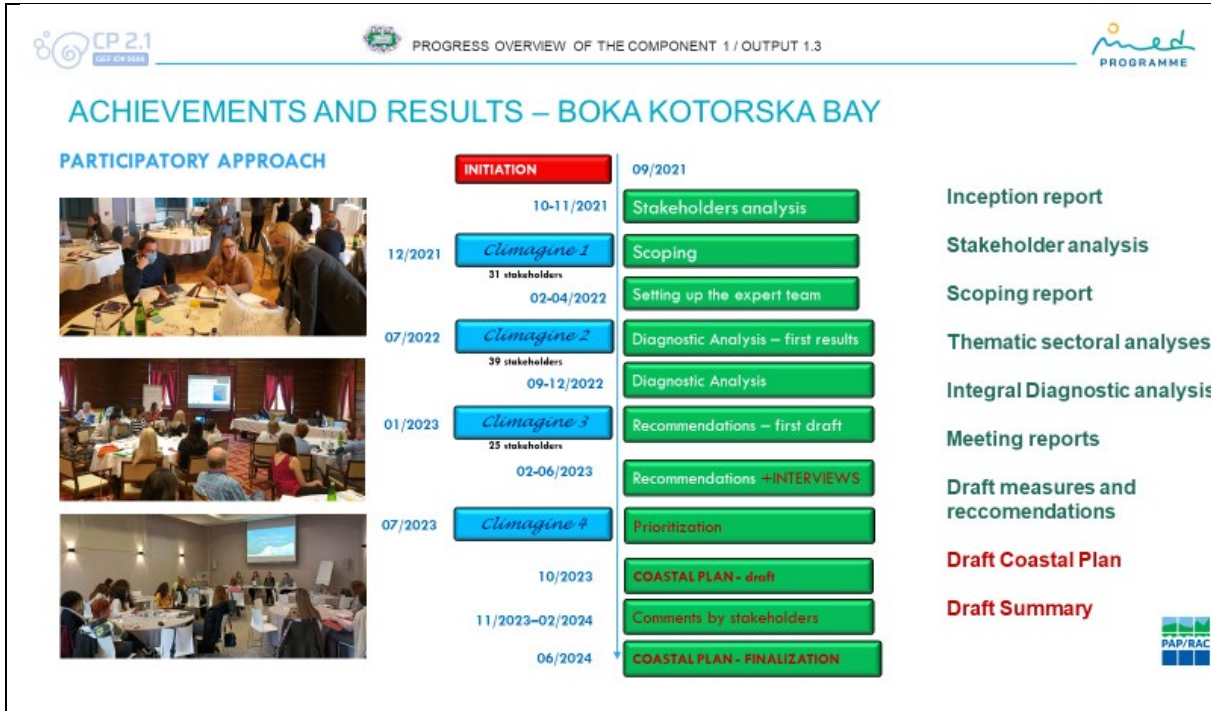
<https://lebanoncp.com>

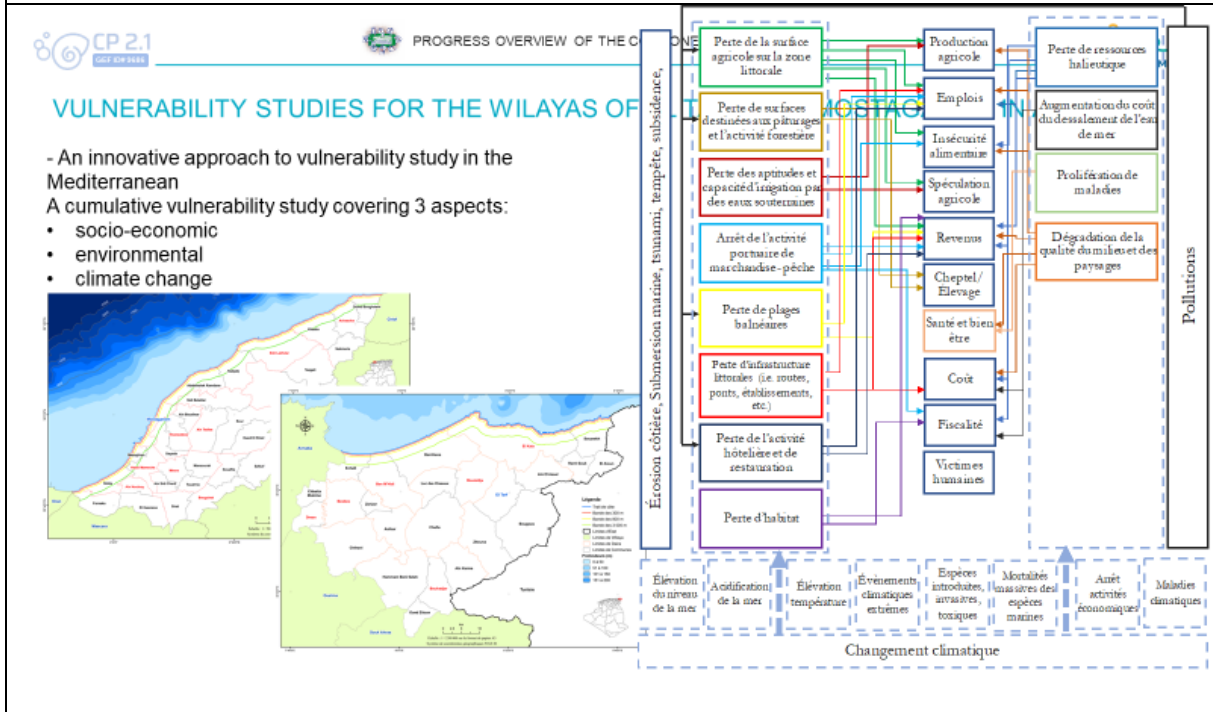
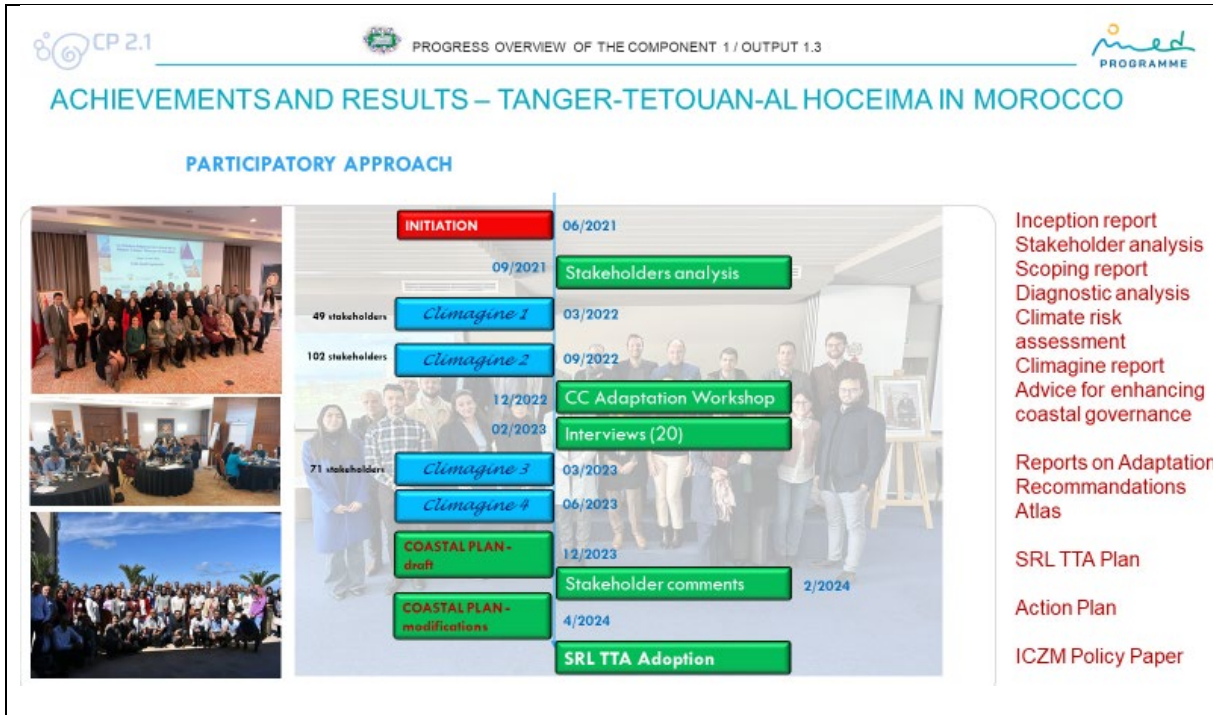


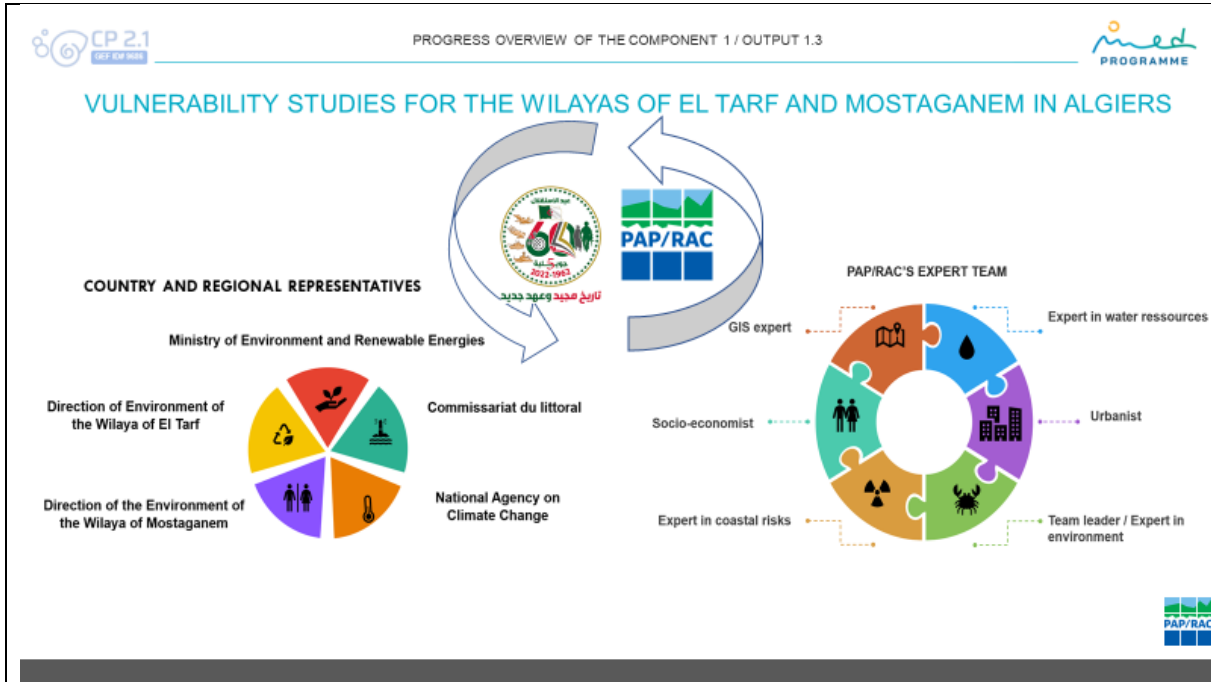
National Coastal Information Platform











CP 2.1  
CEP EM 0066

PROGRESS OVERVIEW OF THE COMPONENT 1 / OUTPUT 1.4

med  
PROGRAMME

### 1.4 A SERIES OF TRAINING EVENTS IN ICZM, MSP AND CVC ADAPTATION DEVELOPED AND IMPLEMENTED

**MedOpen Training Course on Land-Cover Change Indicator**

The hybrid training course on calculating the MedOpen Candidate Common Indicator (CCI) Land-Cover Change is part of the MedOpen (2023-2024) Mediterranean Coastal Zone Water Security, Climate Resilience, and Nature Protection, funded by the UNEP MedProgramme.

**Schedule:** 3 - 17 September 2024

**Key objectives of the course:**

- present the usefulness of calculating CI 25,
- explicate the process of calculating the indicator,
- present results visualization, quality control, and validation,
- and discuss the potential of the results for coastal planning and management.

**INVITATION TO COUNTRIES:**

**Nominate candidates** for the training course on monitoring land use change (3 - 17 September 2024)

PAP/RAC

CP 2.1  
GOLF 2016-2020

PROGRESS OVERVIEW OF THE COMPONENT 1 / OUTPUT 1.5

med PROGRAMME

## 1.5 RAISED AWARENESS ON THE APPROACHES PROMOTED BY THE PROJECT



**COAST DAY**

MedProgramme central celebrations  
 Themes:  
 - Coastal resilience  
 - Coastal aquifers  
 - **Woman in coastal management**

Locations:  
 Morocco  
 Albania  
**Algeria**

**INVITATION TO COUNTRIES:**

**Join the celebration by organising your event!**

CP 2.1  
GOLF 2016-2020

PROGRESS OVERVIEW OF THE COMPONENT 1 / OUTPUT 1.5

med PROGRAMME

## 1.5 RAISED AWARENESS ON THE APPROACHES PROMOTED BY THE PROJECT





**Empowering women for sustainable coastal management**

The urgency to achieve gender equality and enhance women's well-being cannot be overstated in any


<https://news.iwlearn.net>


Article submitted to Environmental Science and Policy: „Identifying Success Factors for Integrated Coastal Zone Management: Development of a Regional Coastal Plan in Morocco” by Ante Ivčević, Daria Povh Škugor, Maria Snoussi, Michael Karner, Matthieu Kervyn, Jean Hugé











PROGRESS OVERVIEW OF THE COMPONENT 1 / OUTPUT 1.5







## 1.5 RAISED AWARENESS ON THE APPROACHES PROMOTED BY THE PROJECT





Child project 2.1 Mediterranean Coastal Zones: Water Security, Climate Resilience and Habitat Protection





PROGRESS OVERVIEW OF THE COMPONENT 1 / OUTPUT 1.5





## 1.5 RAISED AWARENESS ON THE APPROACHES PROMOTED BY THE PROJECT

ICZM PROTOCOL   ICZM STRATEGIES AND PLANS   BUILDING CAPACITIES   AWARENESS RAISING

Project comprises two components focused on sustainability and increased resilience: one on the coastal zones and the other on coastal aquifers. PAP/RAC leads the coastal zone management component with the Plan Bleu/RAC and GWP-Med support.

The objective is to assist project countries in achieving expanded compliance with the Protocol on Integrated Coastal Zone Management (ICZM), adopting national ICZM Strategies, coastal plans, and instruments, and enhancing gender equality. The project has an overall GEF grant of USD 7,000,000, of which 1,800,000 are aimed at PAP/RAC activities.

The project is implemented in the following countries: Albania, Algeria, Bosnia and Herzegovina, Lebanon, Libya, Montenegro, Morocco and Tunisia.

The implementing agency is UNEP, the executing agency is UNEP/MAP, and the executing partners are UNESCO-IHP, PAP/RAC, Plan Bleu and GWP-Med.

**Child Project 2.1 has two components, with the following objectives and executing partners:**

**Component 1:** Strengthening and expanding ICZM in the Mediterranean region

**Executing partners:** PAP/RAC, Blue Plan, GWP-Med

**Component 2:** Sustainable management of coastal aquifers and groundwater-related ecosystems


**Executing partner:** UNESCO-IHP

PAP/RAC implements the following activities related to the coastal zone management component:

- Supporting countries in ratifying and implementing the ICZM Protocol
- Developing and adopting ICZM Strategies and plans
- Building capacities in ICZM, Marine Spatial Planning (MSP) and coastal adaptation to climate change
- Raising awareness of the challenges and solutions for coastal sustainability and resilience

**News**

05.11.2022: PAP/RAC at MedProgramme's Annual Stocktaking Meeting: "Assess - Synergize - Move forward"



CP 2.1  
SDG 6.1

med  
PROGRAMME

Thanks for your attention!

PAP/RAC Plan Bleu Global Water Partnership UNESCO

Daria Povh Škugor, Ivan Sekovski,  
Veronique Evers, Ante Ivčević, Tea Marasović  
PAP/RAC



CP 2.1 - Output 1.1.5




*Identify a core set of indicators to monitor good environmental status of the coastal zone, and development of a Mediterranean conceptual framework for coastal observation*

Based on the **Article 16 of the ICZM Protocol**, this activity consists of two steps:


1. Identification of the parameters to be monitored to measure the progress towards Good Environmental Status of the coastal zone (dealing with both terrestrial and marine areas, in line with EcAp and IMAP) considering national strengths and challenges;
2. Based on the complementary set of coastal indicators selected, conduction of a desktop study to develop a conceptual framework for coastal observation.







CP 2.1 - Output 1.1.5




### Achievements


**2 technical workshops:**

- A technical workshop was held on 6 July 2022 to discuss the parameters to be monitored with country representatives - dedicated webpage [here](#).
- A technical workshop was held on 8th November 2023 to discuss the proposed conceptual framework with country representatives.


**2 technical reports:**

- Report on "Proposal of parameters to be monitored to reach good environmental status on coastal zone" - available [online](#).
- Report on "Conceptual Framework for Coastal Observation" - available [online](#)






CP 2.1 - Output 1.3.3




*Implementing the participatory methodology Climagine as a support to the development of the National ICZM Strategies and ICZM Plans*

- Plan Bleu is supporting the development of Coastal Plans (led by PAP/RAC) in the Bay of Kotor, Montenegro and the Tangier-Tetouan-Al Hoceima Region, Morocco using the Climagine foresight methodology (4 workshops).
- Four workshops have taken place in each pilot site.
- All of the workshops reports as well as a final report have been published by Plan Bleu.
- Numerous inputs from the SCCF Project concerning climate risks and impacts, Nature-based solutions for coastal adaptation and gender and climate.



Kingdom of Morocco	Republic of Montenegro
<b><i>Climagine 1: Sharing 2050 Visions of the Area, Key Challenges and Priority Sectors</i></b>	
16 March 2022, Tangier	03 December 2021, Tivat
<b><i>Climagine 2: Defining Sustainability Indicators and the Band of Equilibrium</i></b>	
29-30 September 2022, Tangier	05-06 July 2022, Kotor (cf. <a href="#">short video</a> )
<b><i>Climagine 3: Elaborating Amoeba Diagrams and Defining Priority Measures</i></b>	
8-9 March 2023, Tangier	18-19 March 2023, Herceg Novi
<b><i>Climagine 4: Strategic Recommendations for the Coastal Plan</i></b>	
21 June 2023, Tangier	First week of July 2023, exact date tbd





## CP 2.1 - Output 1.3.3



Implementing the participatory methodology Climagine as a support to the development of the National ICZM Strategies and ICZM Plans

Plan Bleu has provided inputs to the draft Coastal Plan (*Schéma régional du littoral de la Région Tanger-Tétouan-Al Hoceima*) and the Coastal Management Plan of Kotor Bay, Montenegro.



Focus on:

- key inputs from the participatory foresight Climagine workshops;
- sustainability vision and key challenges of the pilot area;
- sustainability Indicators for the priority sector identified;
- future scenarios and "amoeba" diagrams
- strategic recommendations;
- critical overview of the Climagine process in both pilot sites.



## CP 2.1 - Output 1.3.3



Implementing the participatory methodology Climagine as a support to the development of the National ICZM Strategies and ICZM Plans

### Output 1.3 ICZM Strategies/Plans developed and adopted

#### Activity 1.3.3 Implementing the participatory methodology Climagine as a support to the development of the National ICZM Strategies and ICZM Plans: Lebanon

- Plan Bleu has hired a team of experts in Lebanon to assist in:
  - the organisation of three participatory workshops in support of the drafting of the new National ICZM Strategy and Law
  - the application of the Climagine participatory foresight methodology at the national scale
  - the production of several reports to reflect this process
- The Plan Bleu team has participated in the activity meetings, led by PAP/RAC and in the Introductory Consultations on Integrated Coastal Zone Management (ICZM) Strategy for Lebanon
- The Plan Bleu team has received proposed Sustainability Indicators from the project team to lay the ground for future activities.





**Output 1.3 ICZM Strategies/Plans developed and adopted**

**1.3.4 One Integrated Management Plan (IMP) to be prepared in collaboration with all partners, according to the IMF methodology (Damour, Lebanon)**

- Plan Bleu has hired a team of experts in Lebanon to assist in:
  - the organisation of three “Local Dialogue” workshops in support of the elaboration of the Damour Integrated Management Plan
  - the application of the Climagine participatory foresight methodology at the local scale: prioritisation of key challenges and sectors and sustainability indicators
  - the production of several reports to reflect this process
  
- Workshops to take place in 2024-2025 - calendar tbd with Executing Partners.





CP 2.1  
GEF ID# 9687

Mediterranean Coastal Zones:  
Water Security, Climate Resilience  
and Habitat Protection



gef | UN environment programme | Mediterranean Action Plan Barcelona Convention | med PROGRAMME  
minasac | Plan Bleu | unesco | Global Water Partnership

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CP 2.1  
GEF ID# 9687

med PROGRAMME


## 3<sup>rd</sup> Steering Committee Meeting

8 June 2023 – Rabat, Kingdom of Morocco

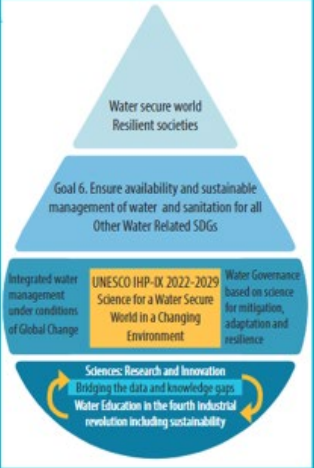
**Agenda item 3: Review of project implementation progress**

*Presented by*

UNESCO IHP IX programme on groundwater



- The Strategic Plan for the ninth phase of the Intergovernmental Hydrological Programme (IHP-IX) covering 2022-2029 identifies key water priority areas to support Members States to achieve the 2030 Agenda and the Sustainable Development Goals (SDGs).
- During this phase, IHP will further develop activities dedicated to research and scientific cooperation on the essential **role of groundwater to support resilient water use**. It will further continue to assist Member States in improving the scientific knowledge on groundwater and in strengthening groundwater governance frameworks at domestic and transboundary level.



CP 2.1  
2022-2029

MEDPROGRAMME CP 2.1 – COMPONENT 2 ON “MANAGEMENT OF COASTAL AQUIFERS AND RELATED ECOSYSTEMS”

PROGRAMME

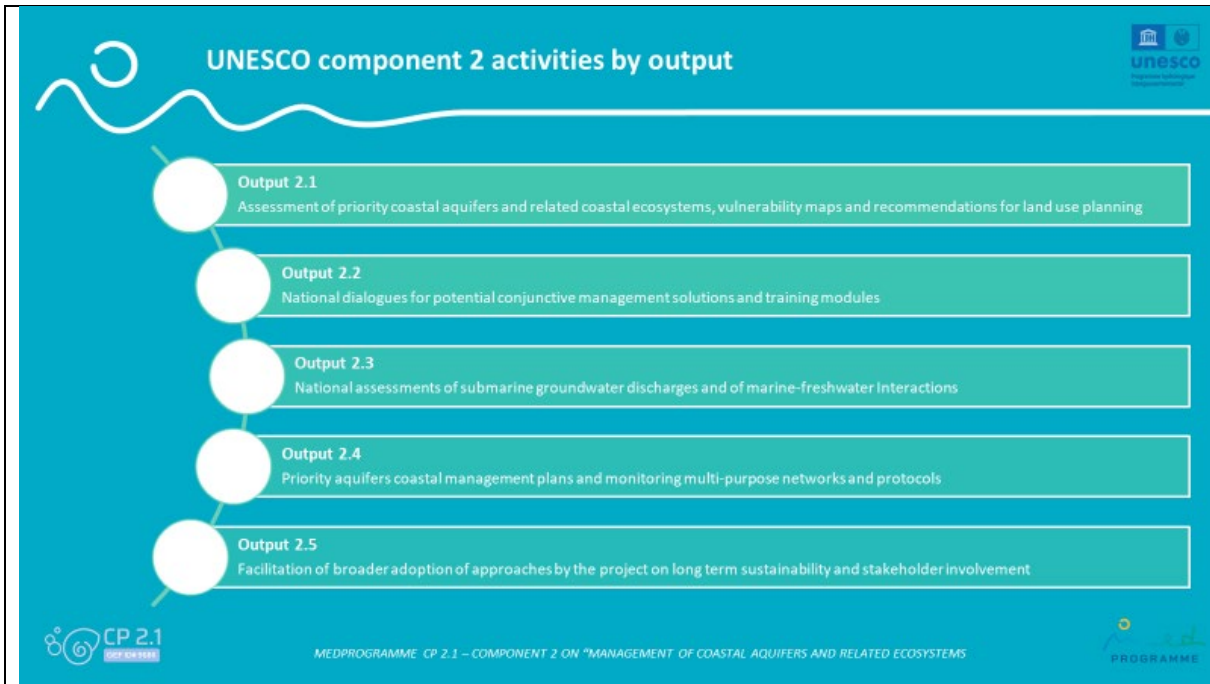
UNESCO IHP IX programme on groundwater

## Overview of the Component 2

- Support the implementation of actions foreseen in the two **Sub-Regional Action Plans** developed under the MedPartnership (Adriatic Basin; and South, Central and Levantine Basin) on the sustainable management of coastal aquifers and groundwater-related ecosystems agreed upon by the countries as part of MedPartnership.
- Implement sustainable management policies and practices in the **Five Coastal Aquifers** considered of priority importance by the countries

CP 2.1  
2022-2029

PROGRAMME



**OUTPUT 2.1**

Assessment of priority coastal aquifers and related coastal ecosystems, vulnerability maps and recommendations for land use planning


**Progress results Output 2.1 (May 2022- May 2023)**

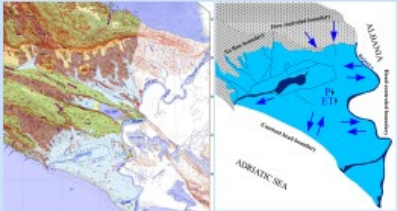
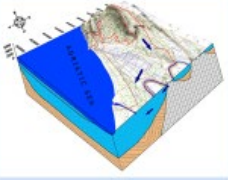

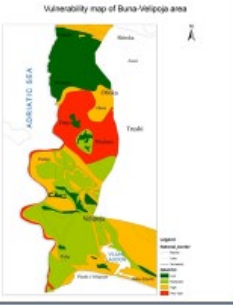
**4** reports of priority coastal aquifers in Albania/ Montenegro, Lebanon, Morocco and Tunisia


- Characterization and assessment of 4 priority coastal aquifers
- Vulnerability assessment of 4 priority coastal aquifers
- Identification of groundwater related ecosystems
- More than 50 bilateral meetings with countries focal points and experts
- 1 Coordination Meeting on Management of Coastal Aquifers and Related Ecosystems (Nov 2022)
- Work in priority coastal aquifer in Libya started in March 2023
- Cooperation agreements with Spanish Geological Survey (IGME) and German Geological Survey (BGR) under preparation

MEDPROGRAMME CP 2.1 – COMPONENT 2 ON “MANAGEMENT OF COASTAL AQUIFERS AND RELATED ECOSYSTEMS”


## Albania and Montenegro – Buna-Bojana Transboundary Coastal Aquifer




Hydrogeological conceptual model	3D Block diagram of modeled area	Hydrogeological and vulnerability maps
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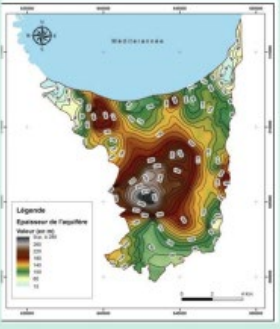

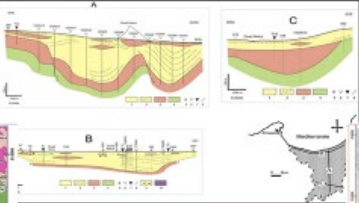
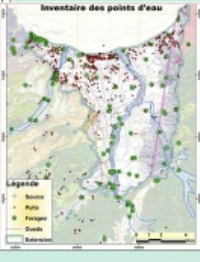



MEDPROGRAMME CP 2.1 – COMPONENT 2 ON “MANAGEMENT OF COASTAL AQUIFERS AND RELATED ECOSYSTEMS”




## Morocco – Rhiss Nekor Coastal Aquifer



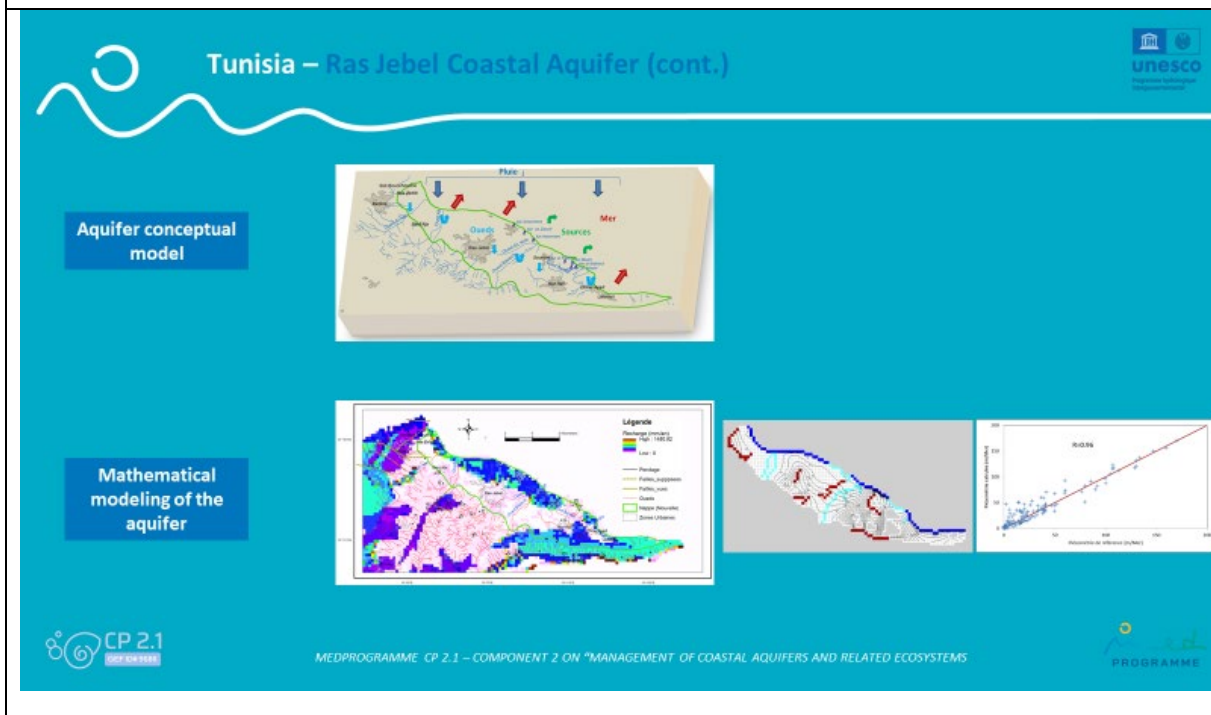
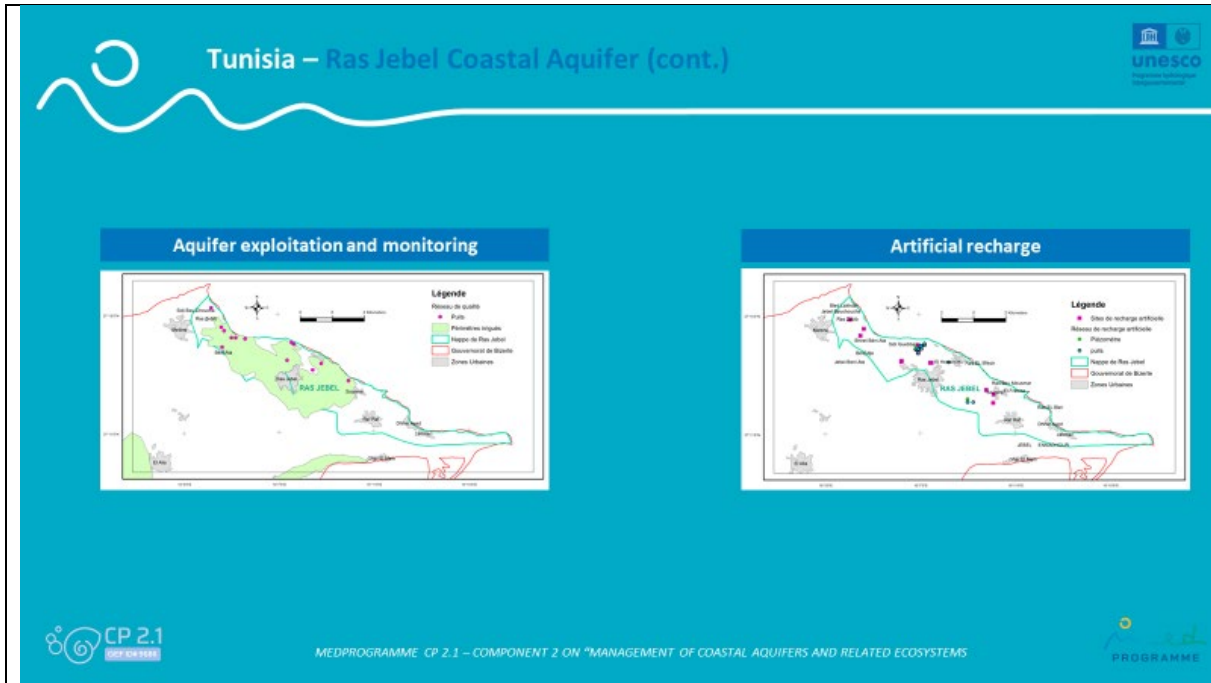
Rhis-Nekor aquifer depth	Geology of Rhis-Nekor
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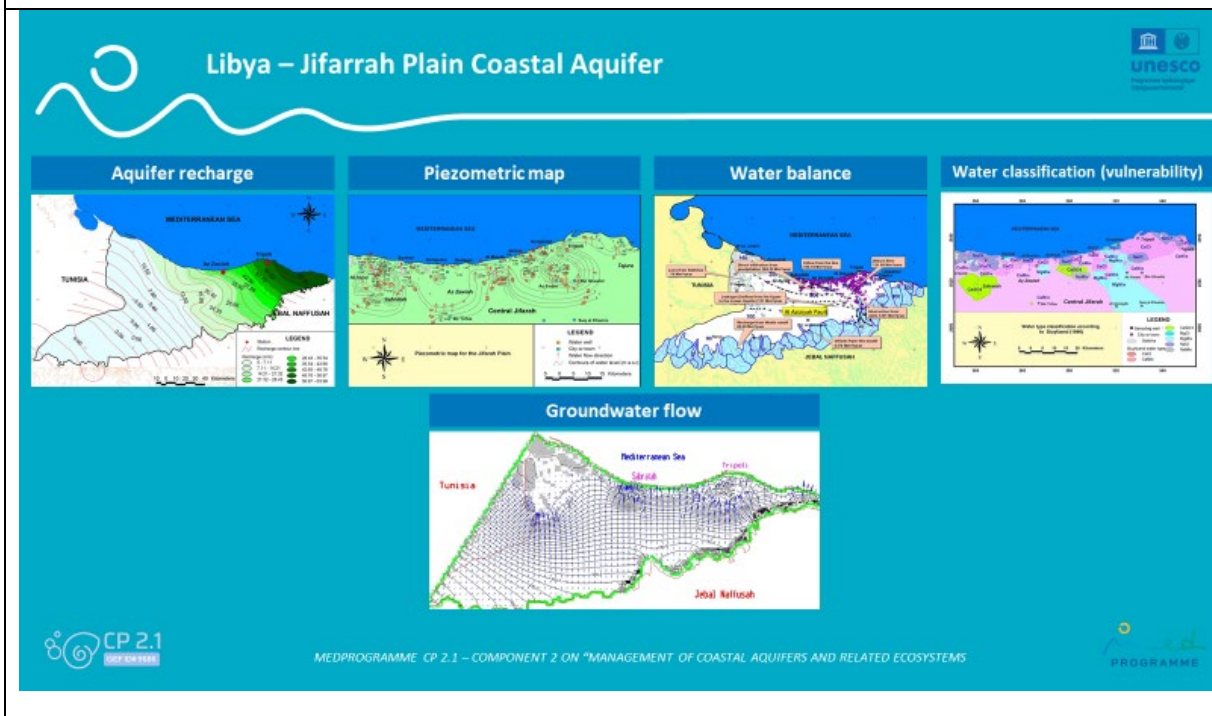
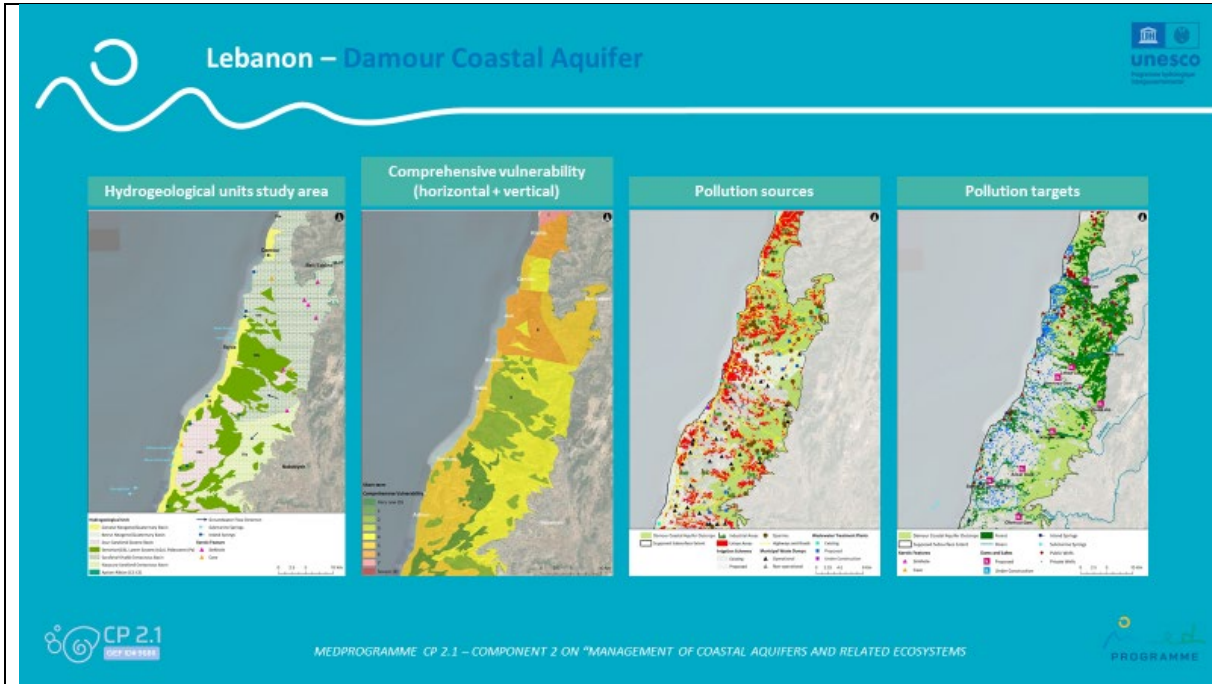


MEDPROGRAMME CP 2.1 – COMPONENT 2 ON “MANAGEMENT OF COASTAL AQUIFERS AND RELATED ECOSYSTEMS”










## Coordination Meeting on Management of Coastal Aquifers and Related Ecosystems

8-10 November 2022, UNESCO HQs, Paris






1st in-person coordination meeting of Component 2 focal points, experts and partners

Review of progress on implementation Outputs 2.1 & 2.3

Identification of challenges and opportunities for future implementation



Participating countries: Albania, Bosnia and Herzegovina, Lebanon, Libya, Montenegro, Morocco and Tunisia



 CP 2.1  
MEDPROGRAMME CP 2.1 – COMPONENT 2 ON “MANAGEMENT OF COASTAL AQUIFERS AND RELATED ECOSYSTEMS” 

# OUTPUT 2.3

National Assessments of submarine groundwater discharges and of marine-freshwater interactions



## Progress results output 2.3 (May 2022- May 2023)

# 5

**assessment report reports of SGD in Albania, Lebanon, Montenegro, Morocco and Tunisia**

CP 2.1  
DEF 030 3344

MEDPROGRAMME CP 2.1 – COMPONENT 2 ON “MANAGEMENT OF COASTAL AQUIFERS AND RELATED ECOSYSTEMS”

## Establishment of the International Advisory Group on Submarine Groundwater Discharge

### Members


- **International Association of Hydrogeologists** - Network for Coastal Aquifer Dynamics and Coastal Zone Management (CAD-CZM), Italy
- **Department of Geology**, Ghent University, Belgium
- **Politechnical University of Cartagena**, Spain
- **Deltares**, The Netherlands
- **Spanish Geological Survey** - IGME-CSIC, Spain
- **Universitat Autònoma de Barcelona**, Spain
- **Leibniz Centre for Tropical Marine Research (ZMT)**, Germany
- **IFP Energies nouvelles** – Earth Sciences and Environmental Technologies, France
- **Intergovernmental Oceanographic Commission** of UNESCO
- **National experts** from Albania, Bosnia and Herzegovina, Lebanon, Libya, Montenegro, Morocco and Tunisia

Coordination Meeting on Management of Coastal Aquifers and Related Ecosystems  
8-10 November 2022, UNESCO HQs, Paris


CP 2.1  
DEF 030 3344

MEDPROGRAMME CP 2.1 – COMPONENT 2 ON “MANAGEMENT OF COASTAL AQUIFERS AND RELATED ECOSYSTEMS”

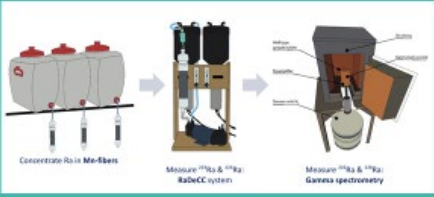
Review of characterization and measurement techniques for SGD applied in the Mediterranean




**SGDs along the Damour Aquifer's Coast**



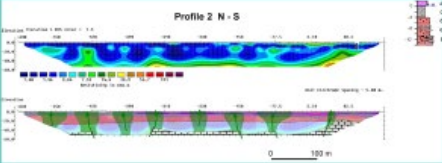
**Measurement of Radium Isotopes**




**Thermal Imaging**




**Electrical resistivity tomography**




**Seepage meters**



CP 2.1  
MEDPROGRAMME CP 2.1 – COMPONENT 2 ON “MANAGEMENT OF COASTAL AQUIFERS AND RELATED ECOSYSTEMS”

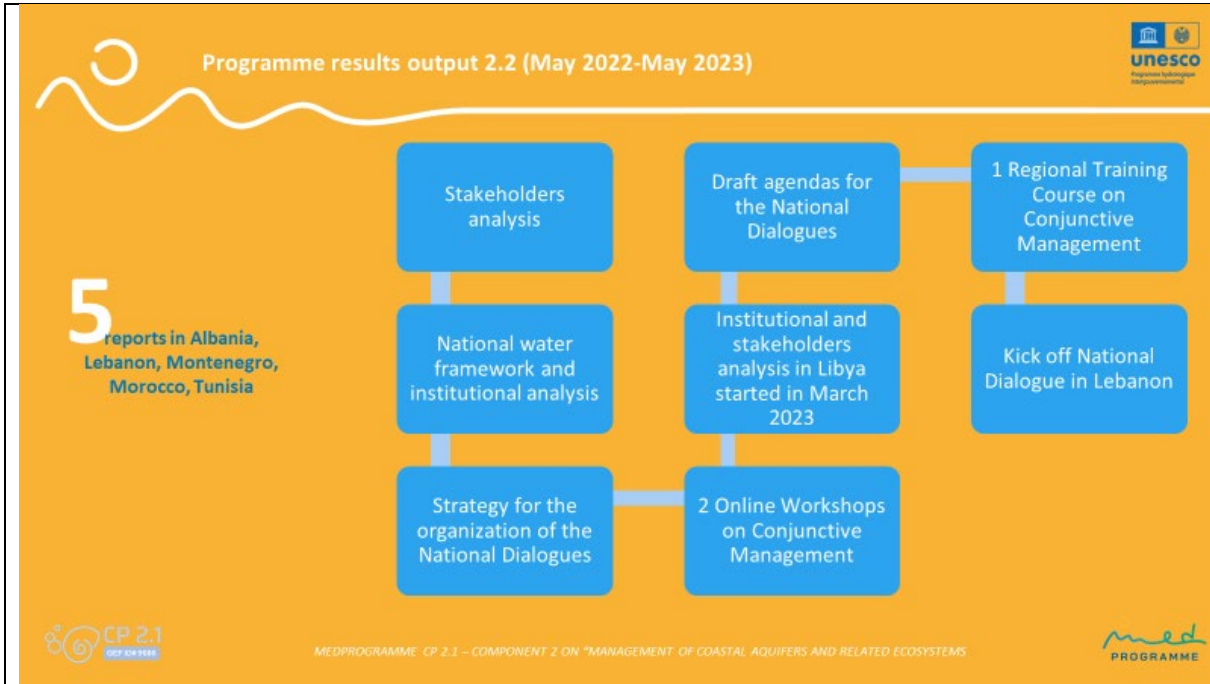


CP 2.1  
MEDPROGRAMME



**OUTPUT 2.2**

National dialogues for potential  
Conjunctive Management Solutions and  
Training Modules



### Online Workshops on “Conjunctive Management Solutions of Surface and Groundwater”

Participating countries: Albania, Bosnia and Herzegovina, Lebanon, Libya, Montenegro, Morocco, Tunisia

- 26 October 2022
- 22 February 2023

#### TUNISIA

**Plan d'organisation du dialogue et des consultations de sensibilisation des parties prenantes**

N°	Titre	Lieu	Participants / Parties prenantes cibles	Responsable	Calendrier (mois)						
					Nov 22	Déc 22	Janv 23	Fév 23	Mars 23	Avril 23	
1	Ateliers préliminaires	CREA de Sousse	CREA (Améliorations techniques conventionnelles), CTE, CTE, Comité de pilotage et Expert National	Comité pilotage							
2	Dialogues avec les parties prenantes de l'industrie locale et régionale	CTV Ras Jebel	APAF, Agences Régionales et locales (Gouvernement, Délégation, municipalités, fonders), Société civile, MARNP Services techniques conventionnels	Expert National							
3	Dialogues avec les parties prenantes de l'industrie nationale	DOSE Tunis	SECARWORLD, CREA (Améliorations techniques conventionnelles), CTV, ODA, Agriculture (Boulevard agricole, pêcheurs, éleveurs), SYMAGRI, STAM, BODIV, ANPE, APAF, Société civile	Expert National							
4	Revue des résultats obtenus et leçon apprise	CTV Ras Jebel	MARNP Services techniques conventionnels, SECARWORLD, CREA (Améliorations techniques conventionnelles), CTV, ODA, Agriculture, SYMAGRI, BODIV, ANPE, APAF, Société civile	Expert National							

#### MOROCCO

**Analyse des Parties prenantes**

Institutionnels	Les élus	Autres acteurs
<ul style="list-style-type: none"> <li>• AEP de Loukkas</li> <li>• ONEE d'Al Hoceima – Branche Eau</li> <li>• Direction Provinciale de l'Agriculture</li> <li>• Direction Provinciale de l'Équipement du Transport et de la Logistique</li> <li>• Direction Provinciale des Baux et Forêts</li> </ul>	<ul style="list-style-type: none"> <li>• Conseil Régional Tanger-Tétouan-Al Hoceima</li> <li>• Communes concernées</li> <li>• Chambre d'Agriculture de la Région</li> </ul>	<ul style="list-style-type: none"> <li>• Représentants des Associations de Distribution d'Eau Agricole</li> <li>• Associations de Protection de l'Environnement</li> <li>• Institutions d'Enseignement Supérieur</li> </ul>

#### MONTENEGRO

**Identified stakeholders based on their responsibilities**

LEVEL	Stakeholders
STATE LEVEL:	<ul style="list-style-type: none"> <li>Ministry of agriculture, forestry and water management</li> <li>Ministry of ecology, spatial planning and urbanism</li> <li>Water Management Administration</li> <li>Institute of Hydrogeology and Seismology</li> <li>Environmental Protection Agency</li> <li>Geological Survey of Montenegro</li> </ul>
REGIONAL LEVEL:	Public Enterprise for coastal management
LOCAL LEVEL:	<ul style="list-style-type: none"> <li>Municipality of Ulcinj</li> <li>Local enterprise for water supply and waste water - DOO Vodovod (kanalizacija Ulcinj)</li> <li>NGO Dr. Martin Schneider Jacoby Association</li> <li>NGO CBP</li> </ul>

**CP 2.1**  
MEDPROGRAMME

MEDPROGRAMME CP 2.1 – COMPONENT 2 ON “MANAGEMENT OF COASTAL AQUIFERS AND RELATED ECOSYSTEMS”

med PROGRAMME

## Kick-off of the National Dialogue on "Conjunctive Management Solutions of Surface and Groundwater" in Lebanon



UNESCO  
Programme Méditerranéen  
Mediterranean Programme

CP 2.1 Partners: GWP-Med, PAP-RAC, Plan Bleu, UNESCO-IHP

2nd Multi-stakeholder Consultation on the Water-Energy Food-Ecosystems (WEFE) Nexus in Lebanon, Beirut, 27-28 February 2023



**Damour Coastal Aquifer Area**



Hydrogeological units within the study area

Pollution Targets




Next National Dialogue in Lebanon foreseen in July 2023



CP 2.1  
MEDPROGRAMME

MEDPROGRAMME CP 2.1 – COMPONENT 2 ON "MANAGEMENT OF COASTAL AQUIFERS AND RELATED ECOSYSTEMS"



med  
PROGRAMME

## Training Course on "Conjunctive Management Solutions of Surface and Groundwater"



UNESCO  
Programme Méditerranéen  
Mediterranean Programme

VALENCIA (SPAIN)  
17 to 19 May 2023



- 17 and 18: theoretical and practical part (in classroom)
- 19 study visit: **Albufera Natural Park** (20 km from the city):
  - Lake: 21 km<sup>2</sup>
  - Park: 211 km<sup>2</sup>



**Albania, Bosnia and Herzegovina, Lebanon, Libya, Montenegro, Morocco, Tunisia**







CP 2.1  
MEDPROGRAMME

MEDPROGRAMME CP 2.1 – COMPONENT 2 ON "MANAGEMENT OF COASTAL AQUIFERS AND RELATED ECOSYSTEMS"



med  
PROGRAMME

UNESCO  
Programme Mediterranean  
Mediterranean

## Training Course on “Conjunctive Management Solutions of Surface and Groundwater”

**Theme 1: Introduction to conjunctive use (2h)**

- Planning and management of water resources
- Concepts of guarantee, de resilience and risk
- Definition of conjunctive use and integrated management of water resources systems
- Potential advantages
- Typology of conjunctive use
- Governance aspects of conjunctive use

**Theme 2: Groundwater characterization (2h)**

- Hydrogeological research
- Groundwater Modelling
- Model MODFLOW – examples
- Examples. Aquifer of Plana Sur de Valencia, and wetlands of The Albufera

**Theme 3: Surface water characterisation (2h)**



- Introduction
- Precipitation runoff models
- EVALHID Model – examples
- Generation of future series

**Theme 4: Integrated modelling of water resources management (4h)**

- Concept and need for a modelling of integrated management of water resources systems
- Simulation and optimisation models
- Operating rules
- Decision Support Systems - Aquatool System
- SIMGES Model for the analysis of conjunctive use

**Theme 5: Examples of conjunctive use in planning and management (2h)**


- Conjunctive use in the *Mijares* River Basin
- Conjunctive use and drought management
- Conjunctive use and quality management - Simplified quality model in the Wetland of *Albufera* of Valencia
- Economic aspects of conjunctive use


MEDPROGRAMME CP 2.1 – COMPONENT 2 ON “MANAGEMENT OF COASTAL AQUIFERS AND RELATED ECOSYSTEMS”


UNESCO  
Programme Mediterranean  
Mediterranean

## UNESCO component 2 “Management of Coastal Aquifers and Related Ecosystems”

### Contribution to the implementation of the Gender Action Plan of CP 2.1 (Q2 2022 – Q2 2023)




Activities	% women participation
Coordination Meeting of component 2 on Management of Coastal Aquifers and Related Ecosystems, UNESCO-Paris, 8-10 November 2022	50%
Online Workshops on Conjunctive Management of Surface and Groundwater in the Mediterranean, October 2022 / February 2023	40%
2nd Multi-stakeholder Consultation on the Water-Energy Food-Ecosystems (WEFE) Nexus in Lebanon, Beirut, 27-28 February 2023	40%
Training Course on “Conjunctive Management Solutions of Surface and Groundwater”, Valencia, Spain, 17-19 May 2023	40%

MEDPROGRAMME CP 2.1 – COMPONENT 2 ON “MANAGEMENT OF COASTAL AQUIFERS AND RELATED ECOSYSTEMS”





## Collaboration with partners







- Implementation Partnership Agreement ongoing with the Mediterranean Network of Basin Organizations (MENBO) for the development of a regional training course on Conjunctive Use of Surface and Groundwater (Output 2.2.)
- International Advisory Group on Submarine Groundwater Discharge (SGD) established (Output 2.3)
- Implementation Partnership Agreement under preparation with universities and Geological Surveys to provide support with characterization of groundwater dependent ecosystems (Output 2.1) and for SGD characterization (Output 2.3)
- Implementation Partnership Agreement with universities to provide support with aquifer mapping and GIS (Output 2.1)
- Implementation Partnership Agreement under preparation with specialized institutes to provide support with 3D modelling of seawater intrusion in coastal aquifers (Output 2.3)
- Cooperation with CP 2.1 partners (GWP-Med, PAP/RAC, Plan Bleu/RAC) on Damour ICZM (Lebanon), NEXUS activities and Organization of Coast Day 2023 in Albania

MEDPROGRAMME CP 2.1 – COMPONENT 2 ON "MANAGEMENT OF COASTAL AQUIFERS AND RELATED ECOSYSTEMS"



# Thanks for your attention!



Daria Povh Škugor, PAP/RAC  
Michael Kraner, Plan Bleu  
Dimitris Faloutsos, GWP-Med  
Jose Luis Martin-Bordes, UNESCO IHP



CP 2.1  
GEF IDN 9687

Mediterranean Coastal Zones:  
Water Security, Climate Resilience  
and Habitat Protection



gef UN environment programme Mediterranean Action Plan Barcelona Convention med PROGRAMME  
INWASC Plan Bleu UNESCO Global Water Partnership Mediterranean

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4th Steering Committee Meeting

11 June 2024 – Athens, Greece

Agenda item 3: Review of project implementation progress

*Presented by*

*Mr. Dimitris Faloutsos*

*Deputy Regional Coordinator, GWP-Med*



## Overview of the Component 1

- Main objective of the component: Strengthening and expanding ICZM in the Mediterranean region: reaching a total of 12,500,000 hectares of coastal landscapes and seascapes under improved management by implementing comprehensive ICZM planning and approaches in 4 project Countries, reinforcing the capacity of at least 300 Country experts and administrators in the implementation of ICZM practices and involving coastal populations in awareness-raising activities.



## Overview of the Component 2

- Support the implementation of actions foreseen in the two **Sub-Regional Action Plans** developed under the MedPartnership (Adriatic Basin; and South, Central and Levantine Basin) on the sustainable management of coastal aquifers and groundwater-related ecosystems agreed upon by the countries as part of MedPartnership.
- Implement sustainable management policies and practices in the **Five Coastal Aquifers** considered of priority importance by the countries



Knowledge management  
platform in place



Communication, Outreach and  
Awareness Raising Products and  
Activities Produced



Mechanisms to promote the  
broader adoption and replication  
of successful policies, practices  
and technologies implemented

## COMPONENT 1 COASTAL ZONE MANAGEMENT

### 1.3 ICZM STRATEGIES/PLANS DEVELOPED AND ADOPTED



### 1.3.1 TWO NATIONAL ICZM STRATEGIES DEVELOPED AND SUBMITTED FOR ADOPTION (LEBANON).

- GWP-Med and PAP/RAC worked for the coordination between the WEFE Inter-Ministerial Group - tasked with guiding the WEFE Nexus Policy Dialogue in Lebanon - and the ICZM Inter-ministerial group, aiming to strengthen linkages among the different activities carried out under MedProgramme CP 2.1 and CP 2.2 (Q2/2024).
- The connections between NEXUS activities carried out under CP 2.2 and the PAP/RAC support for Integrated Coastal Zone Management (ICZM) in Lebanon were discussed in an intervention by GWP-Med during the first ICZM Inter-ministerial group meeting (Q2/2024).



### 1.3.1 TWO NATIONAL ICZM STRATEGIES DEVELOPED AND SUBMITTED FOR ADOPTION (LEBANON).

- Specific water-related indicators were integrated into the ToRs that will guide the experts during Phase II of the WEFE Nexus Assessment in the country. These indicators and related work will be developed and contribute in the revision/development of the ICZM strategy. Once the procurement process for selecting experts is completed, the indicators will be further defined in collaboration with Ministry of Environment and PAP/RAC (Q3/2024).
- Furthermore, on the occasion of a review of the key Law for the Environment (Law 444) carried out by MoE and at the request of the Ministry of Energy and Water, GWP-Med facilitated the coordination of joint inputs related to WEFE Nexus and ICZM planning within a source-to-sea continuum by engaging PAP/RAC colleagues in the review process (Q1/2024).





### 1.3.4 ONE INTEGRATED MANAGEMENT PLAN (IMP) TO BE PREPARED IN COLLABORATION WITH ALL PARTNERS, ACCORDING TO THE IMF METHODOLOGY (DAMOUR, LEBANON).

The tendering process for GWP-Med has experienced a delay, necessitating a relaunch of the process due to non-compliant Offers received during the initial round. Following evaluation of the second round, a Consultant has been selected and activities are set to commence promptly in Q2/2024.



### 1.3.2 ONE ICZM PLAN DEVELOPED AND SUBMITTED FOR ADOPTION (MOROCCO)

GWP-Med contributes to the preparation of the Schéma Régional du Littoral (ICZM Plan) of the TTH Region with in-depth analysis on the **pressures to the coastal area due to causes situated upstream** shedding light on **priority trade-offs (and synergies) across sectors** to ensure water/food/energy security and environmental protection.



By taking a **Source-to-Sea approach**, the analysis and solutions proposed by the **Nexus Evaluation** will provide regional and national policy-makers with region-wide scenarios and information for effective territorial and development planning → integrated governance of natural resources in coastal areas and beyond.

↓  
Coordination with **DRE TTH, PAP/RAC, Plan Bleu RAC**  
Nexus Evaluation and the ICZM Plan «Schéma Régional du Littoral (SRL)»  
of the Tanger-Tetouan Al Hoceima Region



## 1.3.2 ONE ICZM PLAN DEVELOPED AND SUBMITTED FOR ADOPTION (MOROCCO)

### Continuous cooperation with the Partners during the preparation of Phase I WEF Nexus Assessment:

- **2<sup>nd</sup> Nexus Stakeholder Consultation (Tangier, 20 June 2023)** organized by the TTH DRE and GWP-Med with PAP/RAC, Plan Bleu/RAC.  
*back-to-back*
- **4<sup>th</sup> SRL/Climagine Workshop (Tangier, 21 June 2023)** organized by the TTH DRE, PAP/RAC and Plan Bleu/RAC with GWP-Med



## 1.3.2 ONE ICZM PLAN DEVELOPED AND SUBMITTED FOR ADOPTION (MOROCCO)

- **Collection of datasets for Phase I WEF Nexus Assessment (May 2023-March 2024):** This process was crucial for generating reliable and useful outcomes. However, it has presented challenges in terms of time and complexity, resulting in delays in the overall preparation of Phase I Assessment. This involved conducting bilateral interviews and coordinating communication with key Administrations and Institutions facilitated by the DRE, Nexus Experts, and GWP-Med.
- After collecting key data, the deliverables for Phase I Nexus Assessment have been prepared by the Experts Team, reviewed by GWP-Med (April-June 2024), and are currently in the finalization process.
- The **draft deliverables have been shared** with the Focal Point of CP 2.1 and CP 2.2 activities in TTA Region, namely the Direction Regional de l'Environnement (DRE) and the PAP/RAC colleagues, who assist TTA Region with the preparation of the Regional Coastal Plan/SRL





## 1.3.2 ONE ICZM PLAN DEVELOPED AND SUBMITTED FOR ADOPTION (MOROCCO)

- **Phase I WEF E Nexus Assessment** shall be concluded in Q4/2024.
- **Planning for Phase II WEF E Nexus Assessment:** On-going coordination with DRE TTA and PAP/RAC colleagues to make sure that Phase II will assist decision makers with quantifying specific WEF E interlinkages that can support Integrated Coastal Zone Management Planning following a source-to-sea approach in TTA Region (started in Q2/2024).
- Phase II WEF E Nexus Assessment is expected to be launched in Q3 2024



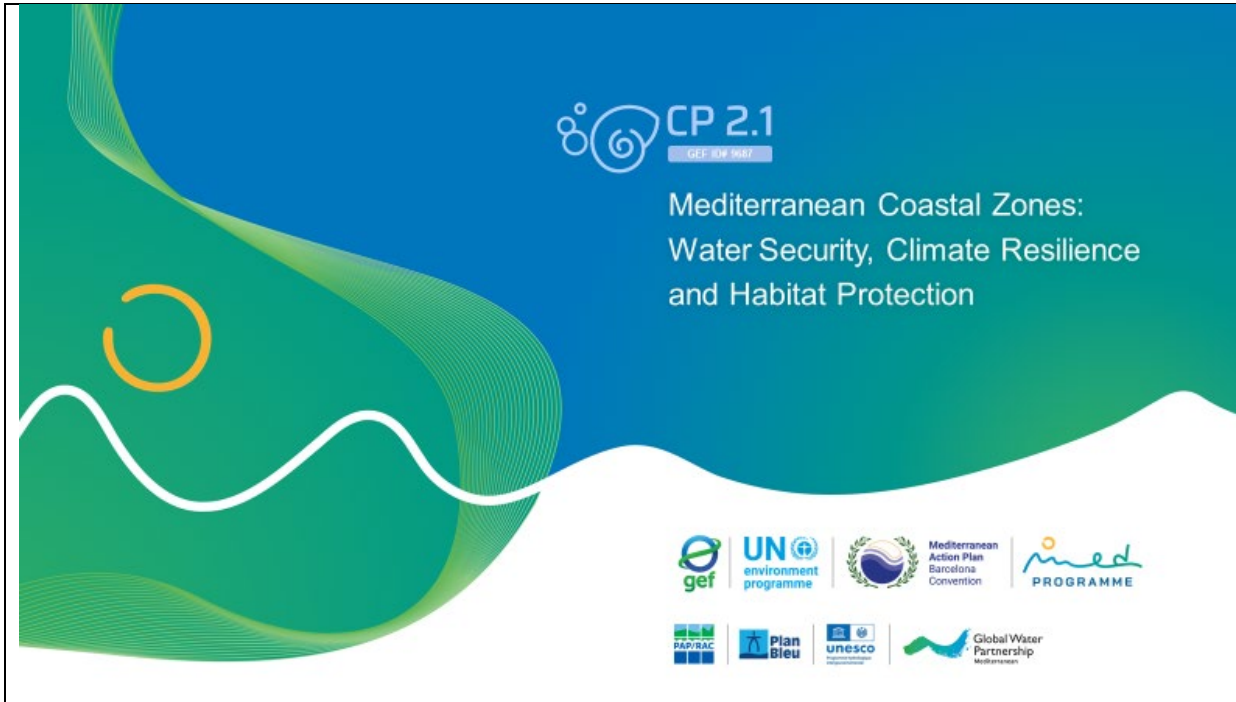
Thanks for your attention!



Daria Povh Škugor, PAP/RAC  
Michael Kraner, Plan Bleu  
Dimitris Faloutsos, GWP-Med  
Jose Luis Martin-Bordes, UNESCO IHP



**Annex V**  
**Presentations on Work Plan (2024 – 2025)**



 CP 2.1  
COP 19/18/18



# Overview of the Component 1

- Main objective of the component: Strengthening and expanding ICZM in the Mediterranean region: reaching a total of 12,500,000 hectares of coastal landscapes and seascapes under improved management by implementing comprehensive ICZM planning and approaches in 4 project Countries, reinforcing the capacity of at least 300 Country experts and administrators in the implementation of ICZM practices and involving coastal populations in awareness-raising activities.

 CP 2.1  
COP 19/18/18COMPONENT 1 WORKPLAN



**1.1** Multi-stakeholders' consultations on ICZM Protocol ratification and implementation



*Governance*

**1.2** Inter-Ministerial Coordination mechanisms for coastal management




**1.3** ICZM Strategies/plans developed and adopted



**1.4** A series of training events in ICZM, MSP and CVC adaptation developed and implemented



**1.5** Raised awareness on the approaches promoted by the project



## 1.1 MULTI-STAKEHOLDERS' CONSULTATIONS ON ICZM PROTOCOL RATIFICATION AND IMPLEMENTATION

### 1.1.1 DEVELOPMENT OF THE MATERIALS FOR THE CONSULTATIONS IN SUPPORT OF ICZM PROTOCOL RATIFICATION/IMPLEMENTATION



Milestones	Timeline
Land cover change assessment finalized for Tunisia and Libya	Q3 2024
Finalizing Manual for land cover change assessment	Q4 2024
Training workshops for Tunisia and on-line for all countries implemented	Q4 2024

## 1.1 MULTI-STAKEHOLDERS' CONSULTATIONS ON ICZM PROTOCOL RATIFICATION AND IMPLEMENTATION

### 1.1.2 SUPPORT FOR THE IMPLEMENTATION/RATIFICATION OF THE ICZM PROTOCOL



Milestones	Timeline
Design and dissemination of Recommendations on Coastal Legislation	Q3 2024
Finalisation of the NBS for adaptation to CC in Different Coastal Typologies of the Mediterranean	Q4 2024
Design/Dissemination of the NBS for adaptation to CC in Different Coastal Typologies of the Mediterranean	Q1 2024
Methodology for Coastal plans	Q1 2025

## 1.2 INTER-MINISTERIAL COORDINATION MECHANISMS FOR COASTAL MANAGEMENT



Milestones	Timeline
Support in organizing IMC meeting in Morocco	Q3 2024
Support in organizing IMC meeting in Lebanon	Q4 2024
Support in organizing IMC meeting in Tunisia	Q4 2024

## 1.3 ICZM STRATEGIES/PLANS DEVELOPED AND ADOPTED



Milestones	Timeline
Draft ICZM Strategy in Lebanon	Q4 2024
Stakeholder consultations held	Q4 2024
Draft ICZM Law for Lebanon	Q4 2024

IMP Plan in Damour - contributions	Q4 2023
Inception meeting held	Q4 2023

### 1.3 ICZM STRATEGIES/PLANS DEVELOPED AND ADOPTED



Milestones	Timeline
Meeting to present draft Coastal management plan for Boka Kotorska Bay to the IMC	Q2 2023
Final Conference for the Coastal management plan for Boka Kotorska Bay	Q4 2024
Final conference for Coastal plan/SRL for Tanger-Tetouan-Al Hoceima (Morocco)	Q4 2024
Meeting to present draft SRL/Coastal plan	Q1 2025
Vulnerability studies for 2 regions in Algeria drafted	Q1 2025
Diagnostic meeting held in Algiers	Q1 2025

### 1.4 A SERIES OF TRAINING EVENTS IN ICZM, MSP AND CVC ADAPTATION DEVELOPED AND IMPLEMENTED



Milestones	Timeline
MedOpen On-line training course on land cover change assessment implemented	Q1 2025
MedOpen On-line training course on adaptation to climate change developed	Q4 2024
MedOpen On-line training course on adaptation to climate change implemented	Q1 2025

## 1.5 RAISED AWARENESS ON THE APPROACHES PROMOTED BY THE PROJECT



Milestones	Timeline
Coast Day celebration on the topic of role of woman in coastal management prepared	Q3 2024
Coast Day celebration implemented	Q3 2023




Child Project 2.1 Work Plan (2022 – 2023 Q1)		2021			2022				2023				2024				2025				2026	
Activity/Quarter	Responsible	Q1	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	
Output 1.2 Inter-Ministerial Coordination mechanisms for coastal management in place																						
1.2.1 Establishment or enhancement of Inter-Ministerial Coordination (IMC) frameworks																						
1.2.1.1 Analysis of stakeholders for creating IMCs	PAP/RAC, Lebanon, Tunisia																					
1.2.1.2 Development of ToRs for relevant countries	PAP/RAC, Lebanon, Tunisia, B&H																					
1.2.1.3 Organizing a preparatory meetings	PAP/RAC, Lebanon, Tunisia, B&H																					
1.2.2 Organizing national consultations to launch IMCs																						
1.2.2.1 Preparing national consultations to launch IMCs	PAP/RAC																					
1.2.2.2 Implementing national consultations to launch IMCs	PAP/RAC, Lebanon, Tunisia, B&H																					











CP 2.1  
Coastal Resilience


COMPONENT 1 WORKPLAN




  


Child Project 2.1 Work Plan (2022 – 2023 Q1)	Activity/Quarter	Responsible	2021			2022			2023			2024			2025			2026
			Q1	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
<b>Output 1.5 Raised awareness on the approaches promoted by the project (with attention to the engagement of private sector)</b>																		
<b>1.5.1 Producing materials for awareness raising campaigns</b>																		
	1.5.1.1 Review and update of the awareness raising strategy and action plan	PAP/RAC																
	1.5.1.2 Developing dissemination materials	PAP/RAC																
	1.5.1.3 Printing and producing dissemination materials	PAP/RAC																
<b>1.5.2 Implementing three awareness raising campaigns with the central themes of Coastal Resilience, Coastal Aquifers and Women in Coastal Management</b>																		
	1.5.2.1 Establishing campaign partnerships	PAP/RAC, Morocco, Albania, Algeria																
	1.5.2.2 Implementing campaign activities	PAP/RAC, Morocco, Albania, Algeria																
<b>1.5.3 Participation in dissemination and awareness raising activities at the regional and global levels.</b>																		
	1.5.3.1 Participation in dissemination and awareness raising activities at the regional and global level	PAP/RAC																









CP 2.1  
Coastal Resilience






## Thanks for your attention!


Daria Povh Škugor, Ivan Sekovski,  
Veronique Evers, Ante Ivčević, Tea Marasović  
**PAP/RAC**





**CP 2.1**  
COASTAL MANAGEMENT

**Component 1: Coastal Management**




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**Output 1.3 ICZM Strategies/Plans developed and adopted**


**Activity 1.3.3 Implementing the participatory methodology Climagine as a support to the development of the National ICZM Strategies and ICZM Plans: Lebanon**

Milestones	Timeline
First participatory foresight workshop in support of the draft ICZM National Strategy	tbd, in collaboration with PAP/RAC - 2024
Second participatory foresight workshop in support of the draft ICZM National Strategy and Report	2024




- Application of the Climagine methodology at the national level to support the process, with a focus on participatory engagement and the production of Sustainability Indicators to serve as a scenario-based dashboard to monitor progress towards sustainability.
- In total, organisation of three participatory workshops in support of the drafting of the new National ICZM Strategy and Law

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**CP 2.1**  
COASTAL MANAGEMENT

**Component 1: Coastal Management**




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**Output 1.3 ICZM Strategies/Plans developed and adopted**

**1.3.4 One Integrated Management Plan (IMP) to be prepared in collaboration with all partners, according to the IMF methodology (Damour, Lebanon)**

Milestones	Timeline
First Damour Local Dialogue	2024, date tbd in collaboration with project partners
Second Damour Local Dialogue	2024, date tbd in collaboration with project partners




- In total, organisation of three “Local Dialogue” workshops in support of the elaboration of the Damour Integrated Management Plan.
- Plan Bleu will implement the Climagine methodology to support participatory processes in the Damour area, with a focus on Sustainability Indicators, to be developed in support the Damour Integrated Management Plan.



CP 2.1  
Coastal Management


**Component 1: Coastal Management**



**Output 1.3 ICZM Strategies/plans developed and adopted**


**Activity 1.3.3 Implementing the participatory methodology Climagine as a support to the development of the National ICZM Strategies and ICZM Plans**

- 1.3.3.4 Drafting of Climagine Guide for practitioners




Milestones	Timeline
Drafting period	November 2024-April 2025
Publication of Climagine Guide for ICZM Practitioners	September 2025
Technical workshop on the Climagine methodology - Marseille	November 2025

*This final deliverable will build on the MedProgramme (and MedPartnership” Climagine experiences to update the methodology.*



CP 2.1  
Coastal Management

**Component 1: Coastal Management**



**Justification of the request for an extension of Child Project 2.1**

- Plan Bleu’s remaining activities under MedProgramme Child Project 2.1 are designed to support those of the other project partners, and therefore depend on the work plans established by the latter in Lebanon.
- Plan Bleu’s “Climagine Guide for ICZM Practitioners” aims to capitalize on the implementation of Climagine in all of the MedPartnership and MedProgramme pilot sites, including Lebanon.
- Plan Bleu therefore request an extension in order to deliver the Climagine methodology activities in Lebanon in support of the revision of:
  - the National ICZM Strategy (led by PAP/RAC)
  - the elaboration of the Damour Integrated Management Plan (with GWP-Med, PAP/RAC and UNESCO-IHP).

 **CP 2.1**  
GEF ID# 9687

Mediterranean Coastal Zones:  
Water Security, Climate Resilience  
and Habitat Protection

 **CP 2.1**  
GEF ID# 9687



 **3rd Steering Committee Meeting**

11 June 2024 – Athens, Greece

Agenda item 4: CP 2.1 Workplan (2024-2025)

Presented by

Mr. Dimitris Faloutsos  
Deputy Regional Coordinator, GWP-Med










## Overview of the Component 1

- Main objective of the component: Strengthening and expanding ICZM in the Mediterranean region: reaching a total of 12,500,000 hectares of coastal landscapes and seascapes under improved management by implementing comprehensive ICZM planning and approaches in 4 project Countries, reinforcing the capacity of at least 300 Country experts and administrators in the implementation of ICZM practices and involving coastal populations in awareness-raising activities.



## Overview of the Component 2

- Support the implementation of actions foreseen in the two **Sub-Regional Action Plans** developed under the MedPartnership (Adriatic Basin; and South, Central and Levantine Basin) on the sustainable management of coastal aquifers and groundwater-related ecosystems agreed upon by the countries as part of MedPartnership.
- Implement sustainable management policies and practices in the **Five Coastal Aquifers** considered of priority importance by the countries

 CP 2.1 Gulf of Aden	TITLE	
 Knowledge management platform in place	 Communication, Outreach and Awareness Raising Products and Activities Produced	 Mechanisms to promote the broader adoption and replication of successful policies, practices and technologies implemented
 CP 2.1 Gulf of Aden	<b>COMPONENT 1 COASTAL ZONE MANAGEMENT</b>	
<b>1.3 ICZM STRATEGIES/PLANS DEVELOPED AND ADOPTED</b>		



### 1.3.1 TWO NATIONAL ICZM STRATEGIES DEVELOPED AND SUBMITTED FOR ADOPTION (LEBANON)

Activity	Timeline
Regular Meetings of the WEFE Inter-Ministerial Group	on-going activity
Phase I WEFE Nexus Assessment Lebanon (Draft)	Q3 2023
Phase II WEFE Nexus Assessment: Agreement with Consultants	- Q2/2024 (evaluation ongoing)
- Implementation	- Q3/2024 (planned start)
- 3 <sup>rd</sup> Multi-stakeholder Consultation	- Q1/2025
WEFE Nexus Action Plan	Q1/2025



### 1.3.4 ONE INTEGRATED MANAGEMENT PLAN (IMP) TO BE PREPARED IN COLLABORATION WITH ALL PARTNERS, ACCORDING TO THE IMF METHODOLOGY (DAMOUR, LEBANON).

Activity	Timeline
Table of Contents for the IMP in collaboration with the other Executing Partners	Q3 2023
Preparation of ToRs for the assignment and procurement (2 rounds)	Q3 2023 (1 <sup>st</sup> procurement Round) Q1 2024 (2 <sup>nd</sup> procurement round)
Implementation of the assessment	Q2 2024 (planned start)







### 1.3.2 ONE ICZM PLAN DEVELOPED AND SUBMITTED FOR ADOPTION (MOROCCO)

Activity	Timeline
Draft Nexus Assessment Phase I Deliverables shared with Focal Point (DRE) and PAP/RAC and coordination	Q2 2024
Integration of comments and presentation of advanced draft to Moroccan institutions and administrations	Q3 2024
Final Draft Phase I Nexus Assessment	Q4 2024



### 1.3.2 ONE ICZM PLAN DEVELOPED AND SUBMITTED FOR ADOPTION (MOROCCO)

Activity	Timeline
WEFE Nexus Assessment Phase II: Coordination with DRE and PAP/RAC to ensure that the outcomes support ICZM planning at regional level	Q2 2024
Procurement process and start of implementation	Q3 2024 (planned start)
3 <sup>rd</sup> multistakeholder consultation	Q1 2025





Thanks for your attention!



Daria Povh Škugor, PAP/RAC  
Michael Kraner, Plan Bleu  
Dimitris Faloutsos, GWP-Med  
Jose Luis Martin-Bordes, UNESCO IHP

## **UNESCO-IHP Component 2 on “Management of Coastal Aquifers and Related Ecosystems”**

GEF UNEP MedProgramme Child Project 2.1 “Mediterranean Coastal Zones, Water Security, Climate Resilience and Habitat Protection”

### **Workplan for Q2 2024 – Q1 2025**

This report presents a narrative for the planned activities at output level of UNESCO’s Component 2 of the CP 2.1 UNEP/GEF MedProgramme for the period Q2 2024 to Q1 2025.

**Output 2.1 Detailed assessments of the current state of priority coastal aquifers and related coastal ecosystems, vulnerability maps and recommendations for land use planning addressing relevant stakeholders, including private sector, national and local water associations and water users.**

*Planned activities:*

- UNESCO will finalize the work of the six (6) national experts that participated in the second phase of the characterization and assessments of the priority aquifers (Morocco, Tunisia, Lebanon, Libya, Albania and Montenegro) for the period October 2023 – May 2024.
- UNESCO will organize the 2<sup>nd</sup> Coordination Meeting on the component on “Management of Coastal Aquifers and Related Ecosystems” in September 2024 in one of UNESCO’s regional offices.
- UNESCO will have regular bilateral on-line meetings with countries' focal points and the national consultants working on Output 2.1 to guide their work through until June 2024.
- UNESCO will implement an IPA with a selected external institution to support technically and build capacity in the countries for the characterization of groundwater dependent ecosystems in the five (5) priority coastal aquifers in the six (6) countries for the period May 2024 – March 2025. This activity would benefit from the extension of the component.
- A UNESCO publication on the results of the characterization and assessment of the five (5) priority aquifers is foreseen to be available towards the end of 2025.

**Output 2.2 National Dialogues identifying potential conjunctive management solutions, including stakeholders’ training modules designed and implemented.**

*Planned activities:*

- Following the success of the 1<sup>st</sup> Regional Training and the demand from the beneficiary countries, UNESCO is planning the organization of a second Regional Training on Conjunctive Management of Surface and Groundwater focusing on Governance and Policy aspects to take place in July 2024. This will be done in collaboration with MENBO through a new IPA. The Training Course will be attended by UNESCO national experts working on Output 2.2 and by governmental representatives from the participating countries of the project: Albania, Bosnia and Herzegovina, Libya, Lebanon, Montenegro, Morocco and Tunisia. The discussions that will be held in this regional training course will be enriched from the results of the National Dialogues that were organized in April 2024 (Morocco, Tunisia, Albania and Montenegro).
- The National Dialogues on Conjunctive Management in Libya is foreseen to take place in October/November 2024.
- UNESCO will organize in cooperation with UNESCO Office in Beirut the 2<sup>nd</sup> National Dialogue on conjunctive management solutions in Lebanon once the security conditions are met in the field, hopefully within 2024. This activity is part of a broader collaboration with CP 2.1 partners (GWP-Med, PAP/RAC, Plan Bleu) to contribute to the preparation of the Integrated Management Plan for the Damour area.
- UNESCO will continue to have regular bilateral on-line meetings with countries' focal points and the national consultants working on Output 2.2 to guide their work until completion in July 2024.
- A UNESCO publication on the findings and conclusions of the six (6) National Dialogues on Conjunctive Management is foreseen to be available in January 2025.

### **Output 2.3 National Assessments of Submarine Groundwater Discharges and of Marine – Freshwater Interactions**

#### *Planned activities:*

- UNESCO will continue to have regular bilateral on-line meetings with countries' focal points and the national consultants working on Output 2.3 to guide their work and with the members of the IAG-SGD until completion of their work in June 2024.
- The members of the IAG-SGD will be invited to participate as advisers in the 2<sup>nd</sup> Coordination Meeting on the component on “Management of Coastal Aquifers and Related Ecosystems” in September 2024 in a regional office of UNESCO.
- UNESCO will finalize the work of the six (6) national experts that participated in the first phase of the national assessment of SGD (Morocco, Tunisia, Lebanon, Libya, Albania and Montenegro) for the period October 2023 – May 2024. They will finalize the assessment work in view of the characterization and quantification of the priority SGD.
- UNESCO will issue an IPA with an expert institution to support technically and build capacity of the countries and national experts on modelling seawater intrusion and salinity distribution in coastal aquifers for the period May 2024 – May 2025. This activity would benefit from the extension of the component.
- UNESCO will organize an online training course on the application of methods and techniques for the characterization and quantification of SGD and seawater intrusion for the seven (7) beneficiary countries in October 2024.
- A UNESCO publication on the results of the characterization of SGD in the six (6) countries is foreseen to be available at the end of 2025.
- A UNESCO publication on the results of the 3D modeling of seawater intrusion and salinity distribution in the six (6) countries is foreseen to be available at the end of 2025.
- UNESCO will issue IPAs with expert institutions to support technically and build capacity of the countries and national experts in the characterization of Submarine Groundwater Discharges of the 5 priority coastal aquifers in the 6 countries for the period May 2024 – May 2025. This activity would benefit from the extension of the component.

### **Output 2.4 Priority aquifers coastal management plans produced including design and field testing of aquifer monitoring multi-purpose networks and protocols.**

#### *Planned activities:*

- UNESCO will establish consultant contracts with national experts that will prepare the priority coastal management plans for the 5 priority coastal aquifers in Albania and Montenegro, Lebanon, Libya, Montenegro, Morocco and Tunisia. The consultant contracts will be start in June/July 2024 for a period of 11 months.
- UNESCO will organize (4) 1st kick-off national stakeholders' meetings for the preparation of the management plans in the second half of 2024.
- UNESCO will organize (4) final national stakeholders' meetings for the validation of the management plans in 2025.
- The technical reports on the five (5) Management Plans of the priority aquifers is foreseen to be available in 2025.
- UNESCO will make a contract with a consultant to make a market research for the procurement and purchase of telemetric stations and other piezometer equipment for the multi-purpose network.
- UNESCO will launch the procurement procedure to purchase of telemetric stations and other piezometer equipment for the multi-purpose networks for the five (5) priority aquifers.
- UNESCO will contract an international consultant for the preparation of the protocol for the multi-purpose networks in the five (5) priority aquifers building on the recommendations from the experts working on Output 2.1.
- The field testing and training of responsible personnel will be done by the commercial company/ies that will provide the telemetric stations.
- This activity is part of the analysis to be undertaken for the preparation of the management plans. It is therefore included in the description of Activity 2.4.4.

- UNESCO will issue a consultant contract for the analysis and design of GIS IMS compatible with National tools in the six (6) countries of the project.
- This activity is part of the work to be undertaken for the field testing of the telemetric stations and piezometers included in Activity 2.4.6.

**Output 2.5 Facilitation of broader adoption of approaches promoted by the project with attention on long term sustainability and engagement of private sector, national and local water associations and water users.**

*Planned activities:*

- UNESCO will decentralize funds to WWAP to initiate the gender activities and hire a consultant for the analysis of gender water disaggregated in June 2024.
- UNESCO will organize a Training Session in cooperation with WWAP and UNEP-MAP for country focal points and national experts on the principles and concepts and previous experiences on gender integration in water projects. The virtual training course is expected to take place in the third quarter of 2024.
- UNESCO will organize an International Workshop on SGD and freshwater/marine interactions towards the end of 2025.

**UNESCO's contribution to Component 1: Coastal Zone Management**

**Output 1.3 ICZM Strategies/plans developed and adopted**

***1.3.4 One Integrated Management Plan (IMP) to be prepared in collaboration with all partners, according to the IMF methodology (Damour, Lebanon)***

*Planned activities:*

- UNESCO establish a contract with a national consultant to write the groundwater/aquifer component of the IMP. The consultant will work in close collaboration with the pool of experts identified by CP 2.1 partners for the preparation of the IMP. The consultancy is expected to start in June/July 2024.
- An identification stakeholder consultation meeting will be organized in Beirut and Damour by the CP 2.1 partners. The date of this consultation will depend on the security conditions in the field. This 1<sup>st</sup> participatory meeting will also serve as National Dialogue on Conjunctive Management of Surface and Groundwater in Lebanon which is part of Activity 2.2.3. UNESCO-IHP will make a funds decentralization to the Regional Office in Beirut to handle the logistics of the meeting. GWP-Med will also support the organization of this 1<sup>st</sup> IMP stakeholder meeting.
- Four (4) other participatory meetings are foreseen by CP 2.1 Partners to take place through 2024 to gather stakeholders involved in the preparation of the IMP. Plan Bleu will be in charge of the organization of the meetings.
- A joint CP 2.1 partners' publication of the IMP for the Damour Coastal Area is foreseen in the second half of 2024.

**Annex VI**  
**Annual Budget Expenditures and Forecast**



CP 2.1  
GEF ID# 9687

Mediterranean Coastal Zones:  
Water Security, Climate Resilience  
and Habitat Protection



4<sup>th</sup> Steering Committee Meeting

11 June 2024 – Athens, UNEP/MAP

Agenda item 5: Annual Budget Expenditures and Forecast

## BUDGET EXPENDITURES 2023-2024

Code	Expenditure Areas	Total IW Budget	Total Expenditure To Date (31 March 2024)	Balance (G)= H-F	Percentage expenditures
FT30_010	PROJECT STAFF AND PERSONNEL				
	Subtotal	761,000	333,474	371,526	44
FT30_160	TRAVEL				
	Subtotal	226,000	60,903	165,097	27
FT30_140	GRANT TO IP				
	Subtotal	5,685,000	1,393,383	4,291,617	25
FT30_135	EQUIPMENT, VEHICLES AND FURNITURE				
	Subtotal	10,000		10,000	0
FT30_125	OPERATING AND OTHER DIRECT COSTS				
	Subtotal	178,000	29,918	148,082	17
	<b>TOTAL</b>	<b>6,860,000</b>	<b>1,817,677</b>	<b>4,986,323</b>	<b>26</b>

## FORECAST IN 2023 VS EXPENDITURES IN 2024

Category	Forecasted amount in 2023	Actual expenditure in 2024	Variance
Personnel	263,500	118,546	-55%
Travel	87,500	23,728	-73%
Implementing partners	2,576,086	726,200	-72%
Equipment/furniture	2500	0	-100%
Operating and direct costs	21,000	0	-100%
<b>Total</b>	<b>2,950,486</b>	<b>868,475</b>	<b>-71%</b>





## NEEDED BUDGET REVISIONS – PAP/RAC

- Reallocation of USD 50,000 from the „International consultants on ICZM Protocol“ (consultants to sub-contractors)
  - In favour of USD 40,000 „Subcontractors on Policies and Communication products“
  - And in favour of USD 10,000 “Communication costs” (consultants to communications)
- Reallocation of USD 15,000 from “National consultants on CI LUC methodology” (consultants to sub-contractors)
  - In favour of USD 15,000 “Sub-Contractors on ICZM Protocol”
- Reallocation of USD 30,000 from “National consultants on ICZM Protocol (consultants to sub-contractors)
  - In favour of USD +30,000 “Sub-Contractors on ICZM Protocol”
- Reallocate USD 11,000 of Consultants for Translation” (consultants to sub-contractors)
  - In favour of USD 11,000 “Translation services”
- Reallocation of USD 7,000 from “Audit reports” (audit to travel)
  - In favour of USD 7,000 “Travel consultants and stakeholders”



## NEEDED BUDGET REVISIONS – PLAN BLEU

1. With the view to supporting the preparation of the Climagine Guide for ICZM Practitioners while using remaining consultancy budget from a completed activity (Conceptual Framework for Coastal Observation), the following is proposed:
  - Reallocation of \$3,439 from “1 Consultant to draft the conceptual framework for coastal observation” to “Consultants / moderators for Climagine implementation in the pilot sites”, in order to hire a consultant responsible for synthesizing the main outcomes of the Climagine processes in the pilot sites to feed into the first draft of the Guide (from “Staff Personnel and Consultants” to “Staff Personnel and Consultants”).
2. With the view to supporting the travel of the Plan Bleu project team to upcoming CP 2.1 regional meetings and the CP2.1 pilot sites in Lebanon, while using remaining budget allocated to completed activities, the following is proposed:
  - Reallocation of \$339 from “1 workshop for the identification of the needed parameters to be monitored to reach good environmental state of the coast (complement the IMAF indicators with the land part)” to “Travel to Pilot Sites”
  - Reallocation of \$4251 from “1 workshop for the elaboration of a conceptual framework for coastal observation” to “Travel to pilot sites” and “Travel to regional meetings” (“Contractual Services” to “Travel”)
3. With the view to support the organisation of participatory workshops in Lebanon (draft ICZM Strategy and Damour IMP) while using unused budgets under Output 1.1 “MoUs with supporting Organizations”, the following reallocation is proposed:
  - Reallocation of \$10,000 from Output 1.1. Output 1.3 “MoUs with supporting Organizations” is proposed (“Contractual Services” to “Contractual Services”).

## NEEDED BUDGET REVISIONS – GWP-MED

To cover costs of consultants/technical advisors, the following is proposed:

Reallocation of \$158.040 to provide sufficient funds for local technical consultants (Consultants; Output 3). The following reallocations are proposed:

- \$30.968 to Senior Technical Advisors (Staff; Output 3) that will undertake work that the Local Technical Consultants would have done for the development of the Damour management plan, and work for the strategies and strategic documents related to coastal zone management in Morocco and Lebanon.
- \$2.892 to Technical Advisors (Staff; Output 3) that will undertake work that the Local Technical Consultants would have done for the development of the Damour management, plan and work for the strategies and strategic documents related to coastal zone management in Morocco and Lebanon.
- \$124.181 out of the \$217.680 to International Technical Advisors (Consultants; Output 3) to undertake work that the Local Technical Consultants would have done for the development of the Damour management, plan and work for the strategies and strategic documents related to coastal zone management in Morocco and Lebanon.

## NEEDED BUDGET REVISIONS – GWP-MED

To cover cost of travel of consultants/technical advisors, the following is proposed:

Reallocation of \$9.900 from Output 3 to cover \$9.900 out of the \$217.680 to International Technical Advisors (Consultants; Output 3) who will undertake work that the Local Technical Consultants would have done for the development of the Damour management, plan and work for the strategies and strategic documents related to coastal zone management in Morocco and Lebanon.

To cover cost of contractual services for meetings and in relation to the work of technical advisors, the following is proposed:

Reallocation of \$79.600 from Company/Consultancy (Output 3) as follows:

- \$15.400 to Meetings (Output 3) to cover costs in relation to consultations for the strategies and strategic documents related to coastal zone management in Morocco and Lebanon.
- \$64.200 out of the \$217.680 to International Technical Advisors (Consultants; Output 3) who will undertake work that the Local Technical Consultants would have done for the development of the Damour management, plan and work for the strategies and strategic documents related to coastal zone management in Morocco and Lebanon.



## NEEDED BUDGET REVISIONS – GWP-MED

To cover cost of operational and other direct costs for information materials, the following is proposed:

Reallocation of \$9.177 from Information Material (Output 3) to cover \$9.177 out of the \$217.680 to International Technical Advisors (Consultants; Output 3) that will undertake work that the Local Technical Consultants would have done for the development of the Damour management, plan and work for the strategies and strategic documents related to coastal zone management in Morocco and Lebanon.

To cover cost of supplies and materials, the following is proposed:

Reallocation of \$10.222 from Software/Hardware (Output 3) to cover \$10.222 out of the \$217.680 to International Technical Advisors (Consultants; Output 3) that will undertake work that the Local Technical Consultants would have done for the development of the Damour management, plan and work for the strategies and strategic documents related to coastal zone management in Morocco and Lebanon.



## NEEDED BUDGET REVISIONS – UNESCO-IHP

Requests for budget revisions by the Intergovernmental Hydrological Programme of UNESCO are as follows:

1. With the aim to recruit and widen the scope of work of international consultants, the following is proposed:

➤ Reallocate USD 31,090 from Grant to IP "Support to National/Regional Institutions" to "international Consultants" (IP to personnel).

2. With the aim of providing sufficient funds for travel of staff and participants to meetings, the following is proposed:

➤ Reallocate USD 20,000 from Grant to IP "Support to National/Regional Institutions" to "participants to meetings and trainings" (IP to travel).

➤ Reallocate USD 10,000 from Grant to IP "Support to National/Regional Institutions" to "staff and consultants travel" (IP to travel).



## NEEDED BUDGET REVISIONS –MEDPCU

1. With the aim to provide sufficient funds for the procurement of services of the International Water Specialist (till March 2026), it is proposed to:
  - Reallocate USD 50,000 from the budget line on “products for KM Strategy, Publication, Translation, Dissemination...”
2. With the aim to provide funding for the procurement of services of an expert for integrating the outcomes from MedProgramme’s Child Projects (till March 2026), it is proposed to:
  - Reallocate USD 56,000 from the budget line on “products for KM Strategy, Publication, Translation, Dissemination...”
3. With the aim to provide funding for the equipping the conference room at UNEP/MAP premises for convening the MedProgramme Steering Committee Meetings as well as equipping the MedPCU offices with the appropriate furniture and IT equipment, it is proposed to:
  - Reallocate USD 14,000 from the budget line on “office supplies and consumables”
  - Reallocate USD 6000 from the budget line on “miscellaneous”
  - Reallocate USD 8520 from the budget line on “communications” to a new budget line to be created specifically for “equipping and furnishing conference room and MedPCU offices.”



## BUDGET FORECAST

MED #9687: CP 2.1 Mediterranean Coastal Zones: Water Security, Climate Resilience and Habitat Protection.						
		Annual IW Budget Forecast for 2024				
Code	Expenditure Areas	Q1	Q2	Q3	Q4	Total IW 2024 and 2025 Q1
<b>FT30_010 PROJECT STAFF AND PERSONNEL</b>						
	Subtotal	-	15,000	15,000	22,200	147,010
<b>FT30_160 TRAVEL</b>						
	Subtotal	-	-	25,000	-	77,000
<b>FT30_140 GRANT TO IP</b>						
	Subtotal	-	166,325	435,236	478,661	1,679,255
<b>FT30_135 EQUIPMENT, VEHICLES AND FURNITURE</b>						
	Subtotal	-	-	-	10,000	10,000
<b>FT30_125 OPERATING AND OTHER DIRECT COSTS</b>						
	Subtotal	-	-	-	29,000	71,000
	<b>TOTAL</b>	<b>0</b>	<b>181,325</b>	<b>475,236</b>	<b>539,861</b>	<b>1,984,265</b>