



Technical Workshop

Mentoring: Training by Doing on Applying the EB-ICZM-DSS

Target area: Tyre Coast Nature Reserve

15 - 20 March 2022

Tyre Coast Nature Reserve, Blvd. N. Berri, Tyre, Lebanon



MED4EBM project: PROGES-ISP for the implementation of the Ecosystem-Based Integrated Coastal Zone Management (EB-ICZM)

Background

The MED4EBM Project aims at enhancing capacities of various stakeholders and institutional actors involved in the management of coastal and marine areas, and at establishing a cooperation and coordination platform for them to effectively implement Ecosystem-Based Integrated Coastal Zone Management (EB-ICZM). MED4EBM proposes the use of innovative tools in establishing one Ecosystem-Based ICZM Decision Support System (EB-ICZM-DSS) in each of the project's target areas to address the main issues that often limit the effective application of EB-ICZM. This innovative tool developed by PROGES and called Integrated Spatial Planning (PROGES-ISP), is based on specific analytical methods and software, which make EB-ICZM much easier for the professional team, interested parties and institutional decision makers involved. PROGES-ISP involves the use of specific software and a series of methodological, procedural and organizational tools, to plan, implement and monitor the dynamics of Ecosystem Management through a participatory and evidence-based approach supported by objective data. It allows the real-time analysis of a large amount of spatial and tabular data and the redaction of advanced reports, through an interface that facilitates the visualisation and the management of large amounts of data, that they could differ from each other by type, time scale and geographical extension. The methods and procedural and organizational tools proposed, make it possible to manage analytical processes with a multi-stakeholder approach to Integrated Ecosystem Management of coastal areas, through a step-by step procedures based on deterministic methods, ecological analyses, and socio-economic assessments. This approach allows project managers and stakeholders to quantitatively assess the relationships between ecosystem components, functions, and services, along with associated human activities.

The technical workshop "Mentoring: training by doing on applying the EB-ICZM-DSS" is executed in the framework of "**Mediterranean Forum For Applied Ecosystem-Based Management, MED4EBM**" project, more specifically, it is part of the activities of WP5 "**Capacity and competence building**" which aims to enhance the capacities and technical skills of Integrated Coastal Zone Management (ICZM) actors. During this technical workshop, the EB-ICZM Technical experts will train and assist the EB-ICZM Local Technical Team in the development and use of the EB-ICZM-DSS application for Tyre Coast Nature Reserve.

Objectives:

The main objectives of the workshop are to:

- Review the Tyre Coast Nature Reserve's System-Diagram (components, sub-components and indicators)
- Integrate the newly collected datasets related to TCNR on the ISP software database.

Program:

Day 1 / 15 March 2022	Review of the system diagram and the data collected from studies and reports in the previous workshops (online & by experts)
Day 2 / 16 March 2022	Entry and integration of data from the water quality assessment under the agricultural land use, and the survey of Ras El Ain agricultural zone and its farming activities.
Day 3 / 17 March 2022	Entry and integration of data about the marine ecosystem of TCNR
Day 4 / 18 March 2022	Entry and integration of data from the "Socio-Economic assessment of Tyre" and the "Valuation of TCNR ecosystems" conducted by SPA RAC
Day 5 / 19 March 2022	Entry and integration data about the birds and sea turtles at TCNR; continue data entry from the survey of Ras El Ain (farming activities)
Day 6 / 20 March 2022	Entry and integration of other available data.
Day 7 / 21 March 2022	LB mission to Lebanon: Meeting with TCNR stakeholders

Participants:

MED4EBM PP5 - Tyre Coast Nature Reserve			
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