

MED4EBM-Mediterranean Forum For Applied Ecosystem-Based Management

Work Package 5. Technical Report on activities executed

**Output 5.1: Training package delivered to selected managers and officers of
relevant Institutions**

Activity 5.1.1 (A 5.1.1): Design and execution of full-fledged training packages

Training on the Ecosystem Approach to Fisheries (EAF)





Introduction:

The present document constitutes the report of the training on " **The Ecosystem Approach to Fisheries (EAF)**" carried out within the framework of the partnership project " **Mediterranean Forum for Applied Ecosystem-Based Management, MED4EBM**". More specifically, this training is a part of the activities of Work Package 5 (WP5) entitled " **Capacity and competence building**" which aims to enhance the capacities and technical skills of Integrated Coastal Zone Management (ICZM) actors and stakeholders in implementing and developing the Ecosystem-Based ICZM (EB-ICZM) tools and governance protocol.

Trainer: Yessine Ben Arfa, Fisheries Economy Expert (yessine.benarfa@instm.rnr.tn)

Date: 25th, 26th & 27th January 2022

Location: Palais Royal Hotel Sfax - Tunisia

Google Maps Link:

https://www.google.com/maps/place/HOTEL+PALAIS+ROYAL/@34.7498218,10.7666724,15z/data=!4m2!3m1!1s0x0:0xab52f11a831aef03?sa=X&ved=2ahUKEwjVyf6Xvob2AhWUa8AKHW-yAisQ_BJ6BAgkEAU

List of Participants:

The stakeholders of Kneiss islands and Researchers from INSTM attended the training. The table below includes the name, surname, organization, function, and e-mail of the participants ([Annex 1: Attendance sheets](#))





Participants				
Organisation	Name	Surname	Role and function performed	E-mail
MINISTRY OF AGRICULTURE, HYDRAULIC RESOURCES AND MARITIME FISHING				
INSTM (National Institute of Marine Sciences and Technologies)	Amel	Bellaaj Zouari	Researcher, MED4EBM Project Coordinator	zouari_amel@yahoo.fr
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APIP (Agency of the Harbours and Fishing Facilities)	Mohamed	Nouri	Responsible of Zabboussa, Skhira and Mahares Harbors	Nourimohamed1010@gmail.com
MINISTRY OF LOCAL AFFAIRS AND THE ENVIRONMENT				
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MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCH				
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	Imed	Jribi	Faculty of Sciences of Sfax, Department of Biology/Assistant Professor	imed.jribi@gmail.com





NON-GOVERNMENTAL ORGANISATIONS				
(ACG) Association of Continuity of Generation	Nedia	Dziri	ACG/ Member	nedia.dziri@gmail.com
(UTAP) Tunisian Union of Agriculture and Fishing	Chokri	Khebour	Vice-President of UTAP Sfax	khebourmaritime@yahoo.fr





Objectives and expected outcomes:

This training aimed to provide participants with different methods and management tools for EAF planning and implementation. The goal is to become familiarized with the various definitions of EAF, the significance of the human dimension, and the information system required in this management process.

Methodology:

This training consisted of three dependent sessions carried out over three days. The first session focused on the human dimension and the EAF's information system. The second session concentrated on the EAF's management methodologies and tools. The third session focused on EAF planning and implementation.

Training description:

Session 1 (25/01/2022): Human dimension and information system in the Ecosystem Approach to Fisheries (EAF).

To achieve the objective of this session, participants have completed the following steps:

- Introduction to the context of the fishery and the awareness about the sector issues through practical exercise (nut game). This activity introduced participants to the definition of the ecosystem approach.
- Presentation of the history of the different fishing international agreements and conventions (UNCLOS, CBD, FAO code of conduct, WSSD, COFI,...)
- A review of the fundamental concepts of the fisheries system, as well as the various management methods used around the world.
- Presentation of the various paradigms of the ecosystem approach to fisheries.
- Presentation of the definition of ecosystem approach to fisheries and the steps needed for its implementation.





During this session participants were also initiated to the EAF process which included:

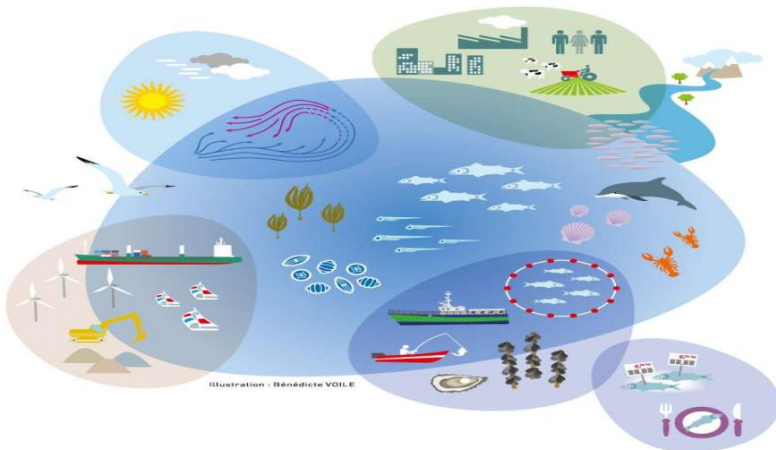
- **The explanation of the concept of the boundaries and scales of the EAF.**
- **The Identification of key stakeholders:** at this level, three different methods were used to identify Kneiss Islands stakeholders: the rich picture, the checklist, and the institutional analysis. The participants are therefore divided into 3 groups, and each group chooses a single method to carry out this identification.





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Rich picture



Task analysis chek list

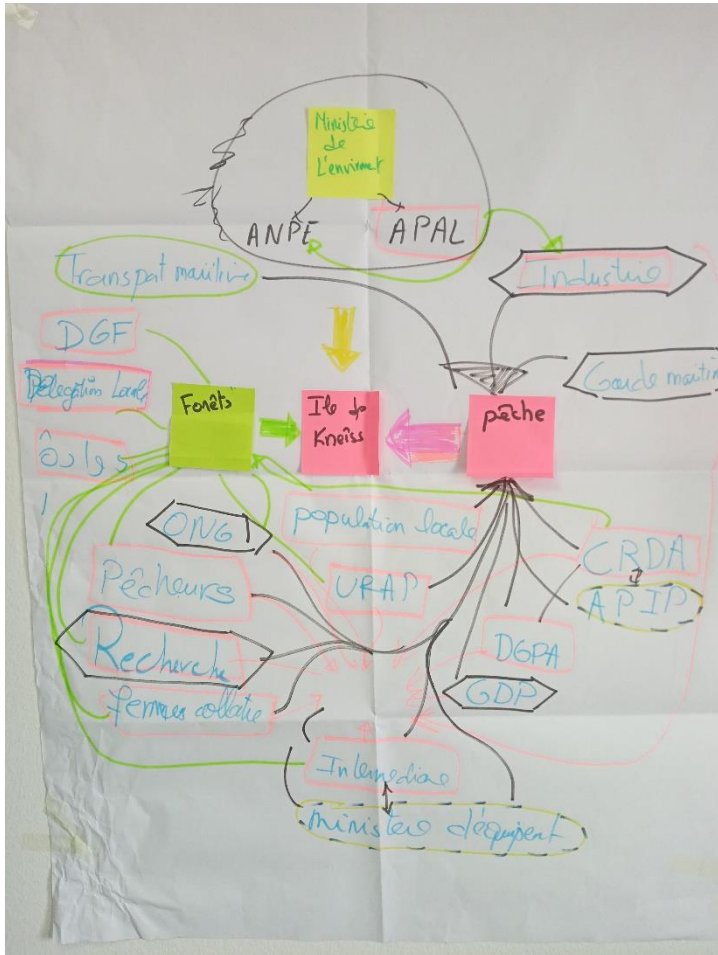


	1	2	3	10
1- DGPA	x	x			x
2-.....		x			
3-.....			x		
.					
.					
.					
10-.....					

Las tareas de guardia

las partes presentes	1	2	3	4	5	6	7	8	9	10	11	12	13/14
DGPA	x			x	x	x						x	
CRDA	x			x	x	x						x	
DGF	x	x	x					x				x	
APAL	x		x				x	x					
APTA										x			
ANFP													
UNIVERSITAT							x					x	x
INSTM					x							x	x

The institutional analysis

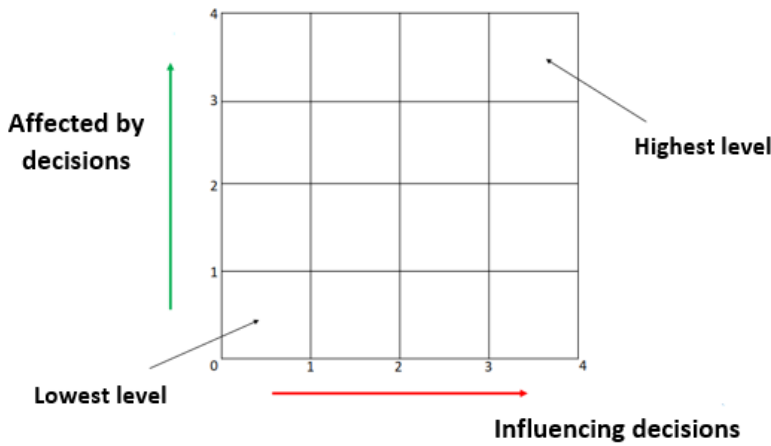


- **Key Stakeholder Analysis:** Following the stakeholder's identification, participants analyzed Stakeholder position. The exercise focused on arranging the stakeholders in a grid (matrix), revealing both their decision's influence and the decision's affection.



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Stakeholders Matrix



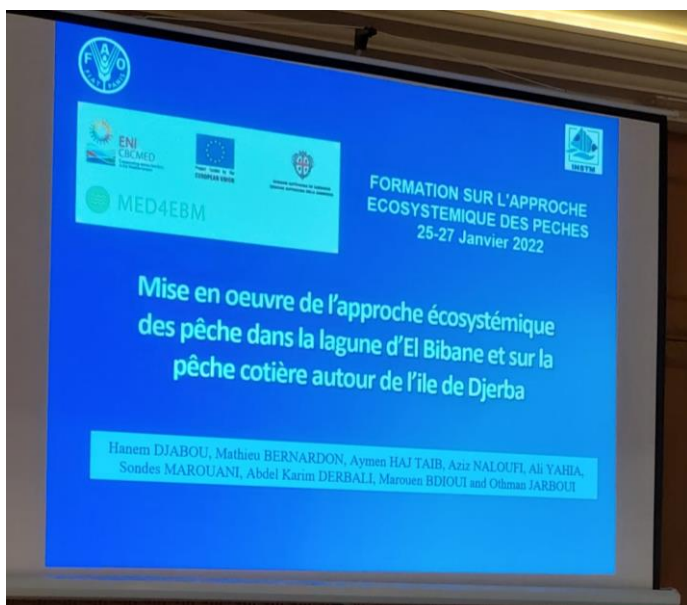


Before starting the second session of the training, which will focus on management tools and methodologies, Ms. Hanem Djabou, researcher at INSTM, presented brief feedback on experience in the implementation of Ecosystem Approach to Fisheries in the lagoon of El Bibane and around the Djerba island.

The presentation included:

- 1 - The key factors that have led to the adoption of such approach in this area.
- 2 - The adopted strategic guidelines.
- 3 - The steps and realized measures.
- 4 - The main achievements through this approach.

This intervention allowed participants and stakeholders to clearly visualize the execution and the importance of such approach on a comparable ecosystem to kneiss island area.



Catégorie	Composante	Sous Composante	Problèmes	Impact	Probabilité	Valeur du Risque	
Communauté	Activité de Pêche	P. Coûts	Revenu → faible - instable	4	555	16	
			Emploi → Saisonnier - activité principale	3		12	
			Distribution → non formel / absence de marché	3		8	
		P. à profits	Coûtation/SS faible % pêcheurs affiliés à CERSA	1		4	4
			Revenu → prix faible / difficulté d'accessibilité à la zone	4		4	16
			Emploi → Saisonnier / Arrêté	2		4	8
	Sociale	Iso	Coûtation à savoir - Neant ou faible.	3	4	4	9
			Distribution → dépendance totale des intermédiaires	1	4	4	4
			Emploi → Non formel "pas de législation"	3	4	12	
		ö د ل و ا	Revenu → faible	4	4	16	
			Coûtation S.S. → Neant	4	4	4	
			Distribution → traditionnelle.	1	4	4	8
Communauté Locale Dependante	Emploi	Conflicts	→ Vulnérable qui pratique principale de pêche et d'agriculture	3	4	12	
			→ Entre pêche artisanale et autre technique locale ou externe à la Région	3	3	9	
			→ Conflits avec la pêche illégale	4	4	16	
			→ Conflits avec la pêche de loisir ou plaisance	4	4	16	
	Infrastructures	→ Pont Zabuissa. (attendu)	4	4	16		
		→ dépendance aux activités principales et la pêche	4	4	16		
		→ Subventions en regard pas assez aux besoins et difficultés administratives	4	4	16		
Economique	Coût/Frais	Autorisations	→ pas assez d'argent pour maintenir Budget d'investissement	3	3	9	
			→ pas de problème	3	3	9	
Licence de pêche	Sociale	Licence de pêche	→ pas de problème	1	1	1	
			→ pas de problème	1	1	1	

Session 3 (27/01/2022): Support for the planning and implementation of the Ecosystem Approach to Fisheries.

This session focused on the development of operational objectives and their indicators and the identification of specific management tools.

Participants created tables describing the most important issues, the specific operational objectives for these issues, and the corresponding indicators. The potential management tools were also listed and discussed.



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Information about management tools were introduced to the participant including:

- The development of an operational plan and monitoring its progress.
- Formalizing the management plan.
- Reviewing the performance of the management system.
- Reporting, communicating, and auditing performance.

A general discussion was also held explaining the implementation of the PEA approach and its feasibility in the Kneiss Islands.





Outputs:

The sessions performed during this training allowed participants to:

- integrate the significance of the ecosystem approach.
- To understand the roles of each stakeholder and define each stakeholder involvement in the EAF process.
- To recognize information to be used in the implementation of the ecosystem approach to fisheries (EAF).
- To learn about main EAF management tools.

Communication material disseminated during event





Annex 1



Amel

Programme de Coopération
ENI CBC Med 2014-2020
Projet MED4EBM (A_B.4.4_0229)
Coordinatrice du Projet
Amel Bellaaj Zouari

Fiche de présence

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25 Janvier 2022

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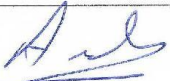

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Participation Certificate

ENI CBCMED
Cooperating across borders in the Mediterranean

Project funded by the
EUROPEAN UNION

REGIONE AUTÓNOMA DE SARDIGNA
REGIONE AUTONOMA DELLA SARDEGNA

MED4EBM

PARTICIPATION CERTIFICATE

THIS IS TO CERTIFY THAT

HAS PARTICIPATED TO THE TRAINING
« ECOSYSTEM APPROACH TO FISHERIES (EAF) »

ORGANISED FROM 25 TO 27 JANUARY 2022, WITHIN THE FRAMEWORK OF THE PROJECT
"MEDITERRANEAN FORUM FOR APPLIED ECOSYSTEM-BASED MANAGEMENT, MED4EBM"

YESSINE BEN ARFA
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