



Think Tank #1: **Management solutions for Small Scale fisheries main challenges**

Magali Mabari – MedPAN Secretariat



Objective of the management solutions Think Tank

- ↴ Present the management solutions included in the FishMPABlue2 Toolkit
- ↴ Collect additional best practices
- ↴ Identify future common actions on the theme

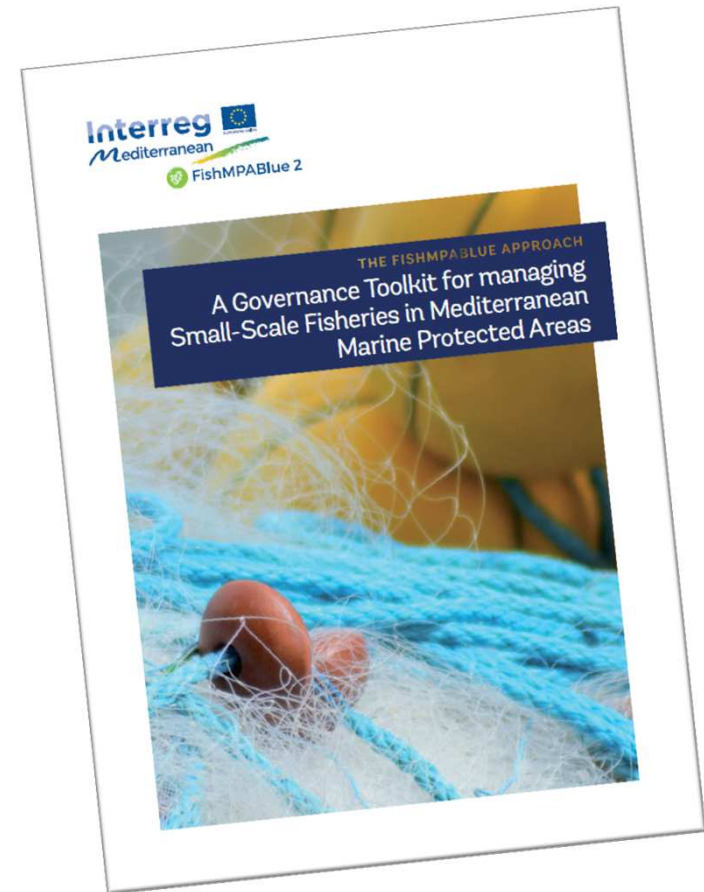
How the FishMPABlue2 toolkit was developed

- ↓ Stems from the FishMPABlue1 project
- ↓ From lessons learned by experienced MPAs around the Mediterranean
- ↓ From previous studies such as the "*Fishermen engagement in Mediterranean Marine Protected Areas*", MedPAN North project 2014



So what is this toolkit?

- ↴ 12 tested measures to address specific SSF issues
- ↴ Spread across 5 themes
- ↴ An indication of implementation difficulty and perceived effectiveness
- ↴ The potential to be beneficial to other MPAs beyond the project



Five main areas of action



Involvement in decision making



Strengthening enforcement



Knowledge and ownership



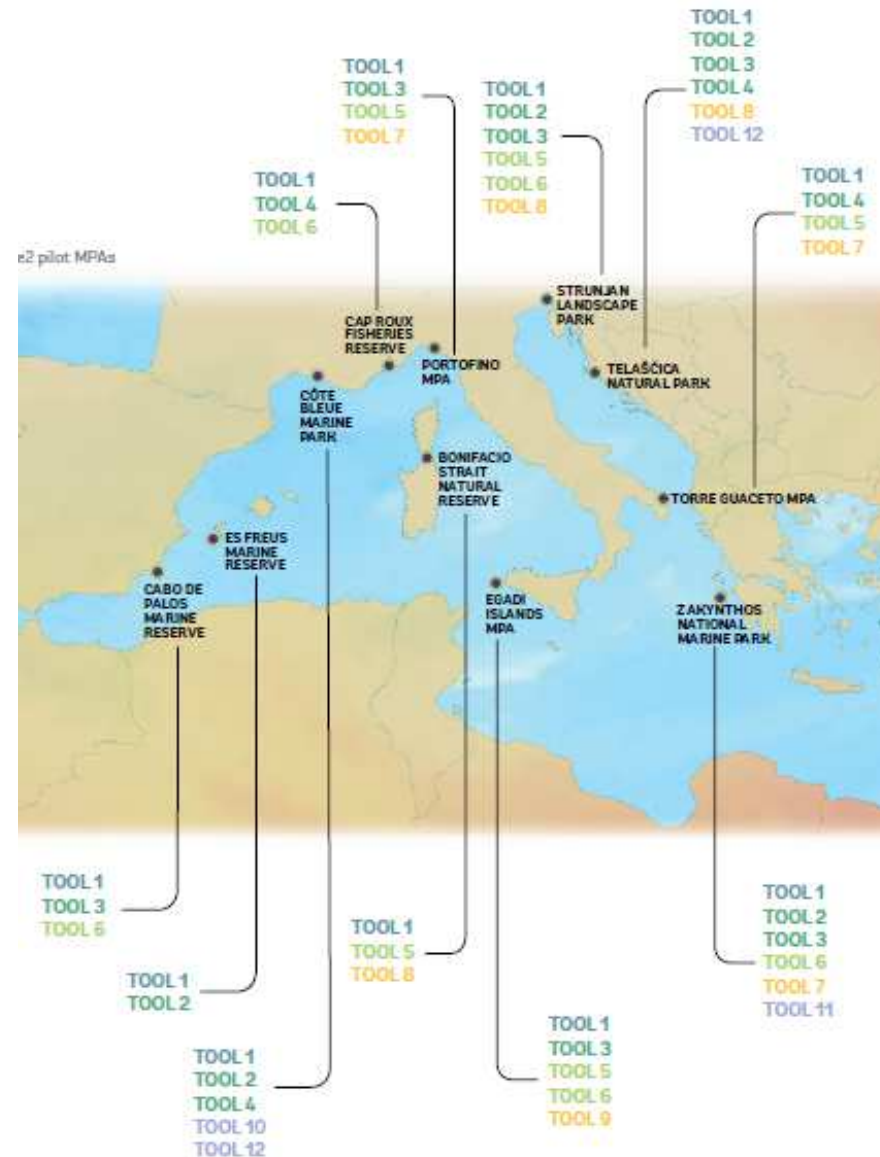
Improvement of SSF sustainability



Improvement of SSF profitability

Specific activities

- ↴ 12 tools spread across these themes
- ↴ Tested in 11 MPAs





CREATE A PERMANENT AND FORMAL COOPERATION PLATFORM TO ENGAGE FISHERS IN DECISION MAKING

a

- ↴ Engaging fishers in MPA decision making can take several forms
- ↴ Fishers engagement is recognised as a key element of the success of SSF management
- ↴ Many MPAs around the Mediterranean are engaged in this process
- ↴ The project helped strengthen existing collaborative relationships
- ↴ All pilot projects tested this tool



© J. Grbin



INCREASE SURVEILLANCE BY MPA STAFF
AND IMPROVED INFRASTRUCTURE



INCREASE SURVEILLANCE THROUGH COOPERATION
WITH RELEVANT AUTHORITIES



INCREASE SURVEILLANCE THROUGH
FISHERS' DIRECT INVOLVEMENT

b

- ↵ Enforcement of regulations is key to ensuring the ecological effectiveness of an MPA
- ↵ Non-compliance can take many forms: illegal fishing is a top priority
- ↵ Several approaches to increase enforcement
 - ↪ Dedicate more MPA management means to increasing surveillance
 - ↪ Strengthen relations with sanction issuing authorities
 - ↪ Involve fishers in the surveillance of the MPA



© M. Mabari / MedPAN



INCREASE SURVEILLANCE BY MPA STAFF
AND IMPROVED INFRASTRUCTURE



DIRECTLY ENGAGE FISHERS IN MONITORING



RAISE THE AWARENESS OF FISHERS,
MPA MANAGERS AND THE LOCAL COMMUNITY



- ↴ Drawing on all forms of knowledge and information ensures management decisions are sound
- ↴ Involving fishers in monitoring or awareness-raising activities benefits science and buy-in
- ↴ 8/11 MPAs chose to test these measures
- ↴ Reporting catches, sightings of endangered, invasive species or marine litter, photo competition, outreach video



© M. Mabari / MedPAN



REDUCE FISHING EFFORTS



MODIFY/SUBSTITUTE FISHING GEAR



SET-UP SMALL-SCALE FISHERY CODES OF CONDUCT

- ↵ Sustainable SSF can be much less impacting on the resources and habitats than other types of fishing
- ↵ SSF environmental sustainability can be pursued with actions on different levels :
 - ↵ Reduce the fishing effort
 - ↵ Change in fishing gear
 - ↵ Adopt behaviour that supports sustainability
- ↵ Fishing time restrictions, area restrictions/closure, larger mesh size, alternative gear, code of conduct





REDUCE FISHING EFFORTS



















































ADD VALUE TO LOCAL FISH AND PROMOTE NEW COMMERCIAL SPECIES

- ↴ A happy fisher is one that makes a living through his/her activities
- ↴ Improving profitability is a key factor for making co-management schemes sustainable
- ↴ The promise of a fair income can contribute to attracting the next generation to the profession
- ↴ Adding value to local fish and developing alternative activities are among the solutions tested
- ↴ Increase consumer knowledge, campaigns to eat local, to eat invasive species, improved infrastructure for better quality fish, support pescatourism development



Tools evaluation

	THEME	TOOL	COST	TIME NEEDED	LOCAL STAKEHOLDERS INVOLVEMENT	PERCEIVED EFFECTIVENESS	MPAS THAT IMPLEMENTED THE TOOL
a	INVOLVEMENT IN DECISION MAKING	Create collaborative platforms to engage fishers in decision making	 LOW COST	 MEDIUM TIME	 MEDIUM STAKEHOLDERS INVOLVEMENT	 HIGH IMPACT	11 RNBB, Cabo, Cap Roux, PMCB, Egadi, Portofino, Es Freus, Strunjan, Telašćica, Torre Guaceto and Zakynthos
b	ENFORCEMENT STRENGTHENING	Increase surveillance by MPA staff and improved infrastructure	 MEDIUM COST	 LONG TIME	 MEDIUM STAKEHOLDERS INVOLVEMENT	 HIGH IMPACT	5 PMCB, Es Freus, Strunjan, Telašćica and Zakynthos
		Increase surveillance through fishers' direct involvement	 MEDIUM COST	 LONG TIME	 HIGH STAKEHOLDERS INVOLVEMENT	 HIGH IMPACT	6 Cabo, Egadi, Portofino, Strunjan, Telašćica, Zakynthos
		Increase surveillance through the cooperation with relevant authorities	 MEDIUM COST	 LONG TIME	 MEDIUM STAKEHOLDERS INVOLVEMENT	 HIGH IMPACT	4 Cap Roux, PMCB, Telašćica, Torre Guaceto
c	KNOWLEDGE & OWNERSHIP	Engage fishers in monitoring activities	 MEDIUM COST	 MEDIUM TIME	 HIGH STAKEHOLDERS INVOLVEMENT	 MEDIUM IMPACT	5 RNBB, Egadi, Portofino, Strunjan, Torre Guaceto
		Raise the awareness of fishers, MPA managers and the local community	 MEDIUM COST	 MEDIUM TIME	 MEDIUM STAKEHOLDERS INVOLVEMENT	 MEDIUM IMPACT	5 Egadi, Zakynthos, Cabo, Strunjan, Cap Roux
d	IMPROVES SF ENVIRONMENTAL SUSTAINABILITY	Reduce fishing effort	 MEDIUM COST	 LONG TIME	 HIGH STAKEHOLDERS INVOLVEMENT	 MEDIUM IMPACT	3 Portofino, Torre Guaceto, Zakynthos
		Modify/substitute fishing gear	 MEDIUM COST	 LONG TIME	 HIGH STAKEHOLDERS INVOLVEMENT	 MEDIUM IMPACT	3 RNBB, Strunjan, Telašćica
		Set-up SSF Code of conduct	 MEDIUM COST	 LONG TIME	 HIGH STAKEHOLDERS INVOLVEMENT	 MEDIUM IMPACT	1 Egadi
e	IMPROVE SSF PROFITABILITY	Add value to local fisheries products	 LOW COST	 MEDIUM TIME	 HIGH STAKEHOLDERS INVOLVEMENT	 MEDIUM IMPACT	1 PMCB
		Promote new commercial species	 LOW COST	 SHORT TIME	 LOW STAKEHOLDERS INVOLVEMENT	 MEDIUM IMPACT	1 Zakynthos
		Support Pescatourism	 MEDIUM COST	 LONG TIME	 HIGH STAKEHOLDERS INVOLVEMENT	 MEDIUM IMPACT	1 Telašćica