

### THE FISHMPABLUE APPROACH Adopting a Governance Toolkit for Small-Scale Fisheries in Mediterranean MPAs

Kate Hogg & Nathan Bennett Webinar 9<sup>th</sup> Oct 2019



### Welcome



#### Speakers:



**Kate Hogg** is a consultant joining us from Italy. Kate is a specialist in marine protected area governance and small-scale fisheries management. Contact: <u>kehogg@gmail.com</u>



Nathan Bennett is joining us from Vancouver Canada where he works as a social scientist at the University of British Columbia. He is a leading specialist in ocean governance and small scale fisheries management Contact: <u>Nathan.bennett@ubc.ca</u>

Both Kate & Nathan have been directly part of the FishMPABlue project team.

#### Interaction:

We would like this to be as interactive as possible and will end the session with a Q&A session. Please type your questions in the Q&A box. Any other issues please make use of the chat box or raise your hand.

### Mediterranean

### Aim

#### Aim:

We would like you to be familiar with:

- the concepts of marine governance and management
- how governance thinking can be applied to understand and improve MPAs
- the FishMPABlue approach and governance toolkit that you can adopt in your MPAs to strengthen your management of small scale fisheries
- with some lessons learned from case studies



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### **Overview of Webinar**



- Introduction to the FishMPABlue Project
- What is environmental governance?
- How can governance thinking be applied to improve MPAs?
- What is the FishMPABlue2 Governance Toolkit?
- What lessons have we learned and how can you use it?
- Questions? Comments? Debate?



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### What is FishMPABlue2?

### FishMPABlue2 Project



#### FishMPABlue2:

Is the follow on to FishMPABlue. It has been running for the last 36 months and is reaching its conclusion at the end of October.

#### **Partners:**

8 partners - Federparchi, MedPAN, CoNISMa, WWF Adria, ECOMERS University of Nice, WWF-Med, APAM & IUCN

7 Associates – GFCM/FAO, Croatian and Spanish Ministry of Environment, Slovenia Institute for Conservation, MedWet, French MPAs Agency, RACSPA



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### FishMPABlue2 Project



The Objectives:

The overarching goal was to understand the relationship between SSF and MPAs in the Mediterranean Sea

To apply and test a governance toolkit in Mediterranean MPAs to demonstrate the effectiveness of these governance tools to help strengthen the management capacities and networks of MPAs

Testing in different MPAs they aimed to generate lessons learnt and refine these tools:

- allowing the toolkit to be shared with other MPAs in the Mediterranean and beyond
- and for the recommendations yielded to be adopted into national and international fisheries and MPA policy

### Project pilot sites





- 1. Cabo de Palos Islas Hormigas Marine Reserve (Spain)
- 2. Es Freus Marine Reserve of Ibiza and Formentera (Spain)
- 3. Côte Bleue Marine Park (France)
- 4. Cantonnement de Pêche of Cap Roux (France)
- 5. Bonifacio Strait Natural Reserve (France)
- 6. Portofino MPA (Italy)
- 7. Egadi Islands MPA (Italy)
- 8. Torre Guaceto MPA (Italy)
- 9. Strunjan Lanscape Park (Slovenia)
- 10. Telašćica Nature Park (Croatia)
- 11. National Marine Park of Zakynthos (Greece)



### What is environmental governance?

### **Environmental Governance**



The aim of environmental governance is to shape individual behaviors or societal actions to produce beneficial outcomes for the environment and for society.

Environmental governance is the institutions, structures and processes that determine who makes decisions, how and for whom decisions are made, how and what actions are taken and by whom to manage the environment.



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### **Environmental Governance**



#### Elements of Governance

#### Institutions

Laws, Policies, Rules, Norms

#### **Structures**

Governance structures: Top down, Comanagement, Bottom Up

Network Structures: networks, organizations & actors

#### Processes

Planning, rule- making, negotiating, collaborating, conflict resolution

Who, how,	for whom, what,	by
	whom	

Who

Who makes decisions?

How

How and for whom are decisions made?

#### What

How and what actions are taken to manage the environment?

#### By whom

Who is responsible and to be held accountable for taking actions?



**Governance** ....is about... the <u>structures</u>, <u>institutions</u> and <u>processes</u> that determine **who** makes decisions, **how and for whom** decisions are made, **how and what** actions are to be taken and **by whom** to manage the environment.

**Management** ... is about... what is done in pursuit of environmental sustainability or conservation objectives, it can be understood as the <u>resources</u>, <u>plans</u>, and <u>actions</u> that result from the functioning of governance.

(Lockwood 2010: Bennett & Satterfield, 2018)

### **Environmental Governance Objectives**



#### **Objectives of Governance**

#### Effective

To be ecologically effective. This requires direction, coordination, sufficient capacity, well informed, and accountable

#### Equitable

To be socially equitable. This requires recognition of all stakeholders, being participatory, fair, and just

#### Responsive

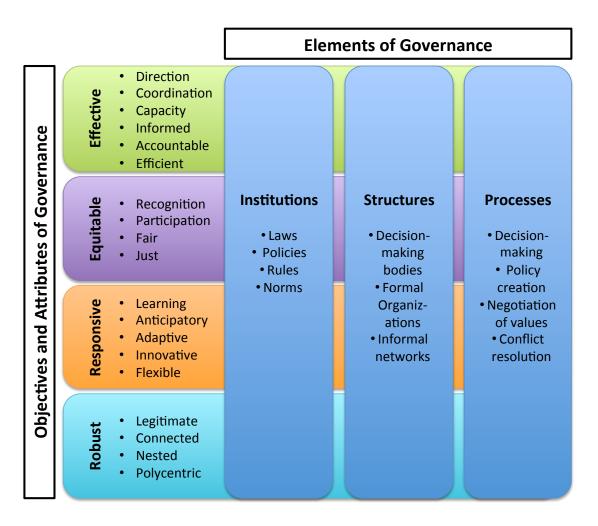
To be responsive to changing circumstances. This requires being adaptive, innovative, flexible, anticipatory, and learn through doing

#### Robust

To be robust or persist over time e.g. to be legitimate, connected, nested within and between institutions on different levels



### Bringing it All Together to Understand Environmental Governance



Bennett & Satterfield (2018). Environmental governance: A practical framework to guide design, evaluation, and analysis. Conservation Lettters. Open Access.



### Applying Governance Thinking to Understand and Improve Marine Protected Areas

### **Descriptive Governance Assessments**



Descriptive analysis of MPA governance institutions, structures, and processes

#### Institutions

- Regional directives or international agreements
- National policies (for MPAs, fisheries, marine planning, etc.)
- Local norms and rules

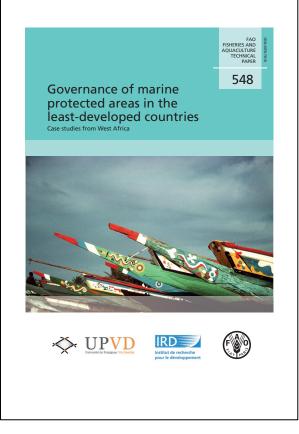
#### **Structures**

- Governance type government-led, community-led, or collaborative management
- Composition of decision-making bodies
- Networks of actors and organizations involved in decision-making

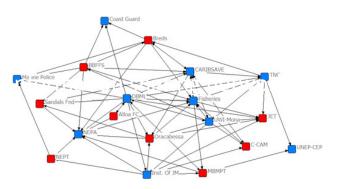
#### Processes

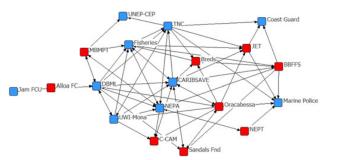
- Planning, implementation and management phases
- Decision- and rule-making processes
- Negotiation and conflict resolution processes
- Coordination and collaboration processes

## Examples: Understanding Governance of MPAs



(Weigel et al, 2011)





Received: 22 August 2016 Revised: 22 February 2017 Accepted: 3 March 2017 DOI: 10.1002/aqc.2775

RESEARCH ARTICLE

WILEY

Interreg

Mediterranean

FishMPABlue 2

Examining horizontal and vertical social ties to achieve social-ecological fit in an emerging marine reserve network

Steven M. Alexander<sup>1,2</sup> I Derek Armitage<sup>3</sup> Peter J. Carrington<sup>4</sup> Örjan Bodin<sup>2</sup>

### **Evaluative Governance Assessments**



Evaluation against normative criteria for governance processes



#### CHAPTER 7 GOVERNANCE FOR THE CONSERVATION OF NATURE

Principal authors: Grazia Borrini-Feyerabend and Rosemany Hil Grazia Borrini-Feyerabend and Rosemany Hil Hete Con The Con Refe

- Public participation
- Consensus orientation
- Strategic vision
- Responsiveness
- Effectiveness
- Efficiency
- Accountability
- Transparency
- Equity
- Rule of Law

(IUCN, 2015)

### **Example: Degree of Participation**



#### INFORMATION

Explanation to stakeholders.

#### CONSULTATION

Presentation to stakeholders and collection of their suggestions. Decision making takes place with or without taking into account stakeholders input.

#### COLLABORATION

Presentation to stakeholders and collection of their suggestions. Decision making, takes into account stakeholders input.

#### CO-DECISION

Cooperation with stakeholders towards an agreement for solution and implementation.

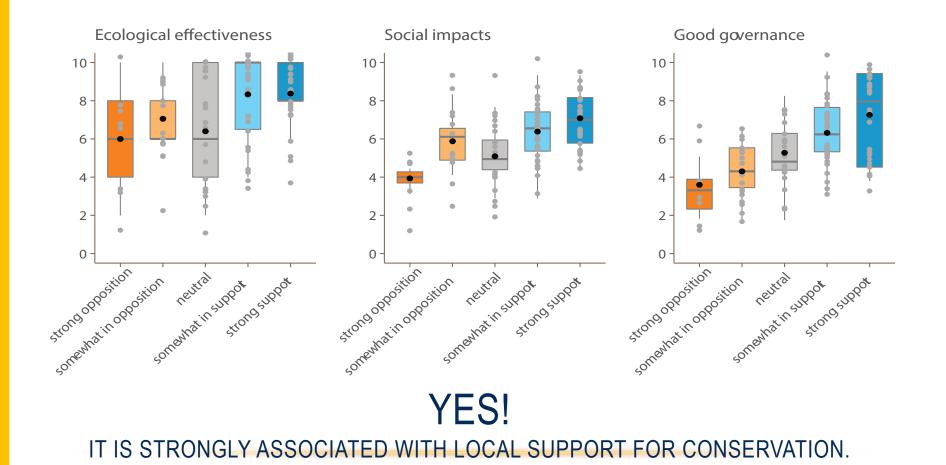
#### EMPOWERMENT

Delegation of decision-making power to stakeholders.

INFORMATION -Less Effort-Weak Stakeholder Engagement **EMPOWERMENT** -Great Effort-Strong Stakeholder Engagement



## Example: Does Good Governance Matter for Conservation?



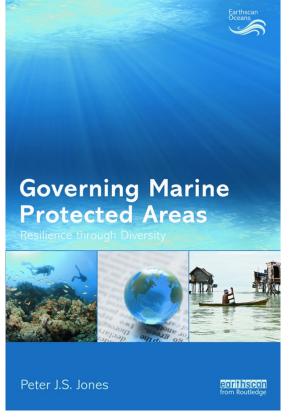
(Bennett et al, 2019)

### Analysis of Outcomes of Governance



Analysis of substantive ecological or social outcomes of different governance configurations

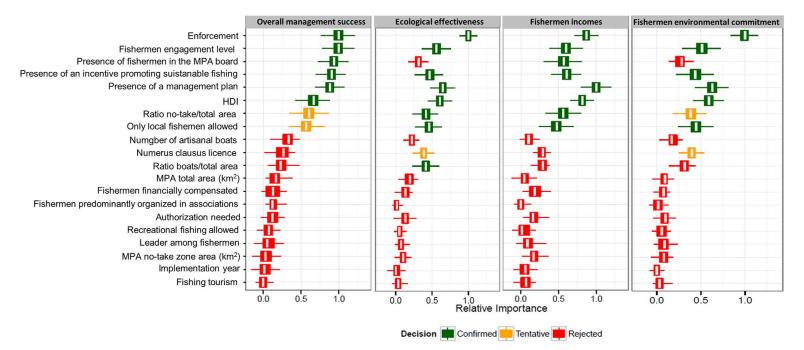
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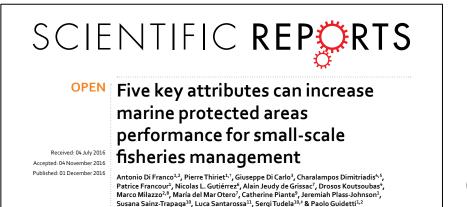


(Stafford, 2018)

(Jones, 2014)

## Example: Understanding Key Features of MPA Success





(Di Franco et al, 2016)

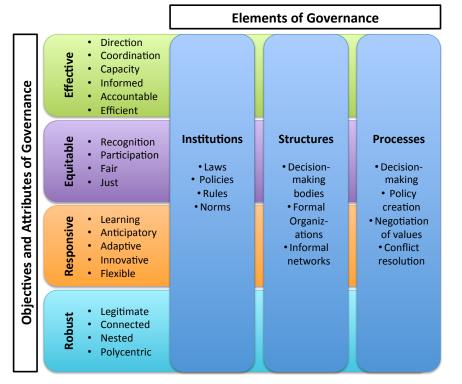
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FishMPABlue 2

### Take away messages





A better understanding of governance can improve MPAs.

Governance and management are different!

Governance thinking can be applied to MPAs in three ways:

- descriptive assessments of current governance practice,
- evaluations of the achievement of different objectives and attributes of governance,
- analysis of the relationship between governance and environmental and/or social outcomes.

(Bennett & Satterfield, 2018)

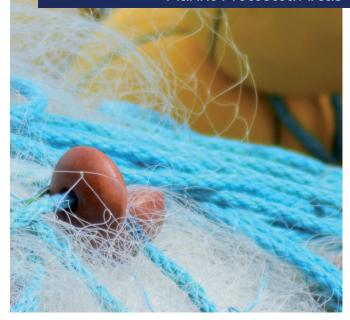


## What is the FishMPABlue2 governance toolkit?





THE FISHMPABLUE APPROACH A Governance Toolkit for managing Small-Scale Fisheries in Mediterranean Marine Protected Areas



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### Download your copy of the toolkit here: <u>https://bit.ly/2Tt9Vja</u>

### The FishMPABlue Approach



During the first phase of FishMPABlue a list of measures and interventions were identified that could improve SSF management in MPAs

In FishMPABlue2 the first step was for each participating MPA to establish a **Local Governance Group** creating a stable cooperation platform including MPA management and local professional fishers (or their representatives)

These Local Governance Groups were responsible for working together to identify the particular needs of their MPA and SSF sector and select which tools from the toolkit to implement and test in order to address the local issues

The FishMPABlue2 team worked in parallel to the Local Governance Cluster to test these measures in the 11 MPAs – assessing their effectiveness ecologically, economically and socially

The key thing to note is that in some cases this was the first time fishers were formally engaged in taking management decisions to improve their situations'- representing a positive step towards **co-management** 

After testing the toolkit has been refined and updated



INVOLVEMENT IN DECISION MAKING;

**b** ENFORCEMENT STRENGTHENING;

**O KNOWLEDGE AND OWNERSHIP;** 

**(i)** IMPROVE SSF ENVIRONMENTAL SUSTAINABILITY;

**G** IMPROVEMENT OF SSF PROFITABILITY.



#### ACTIVITIES SELECTED BY THEME by the 11 Local Governance Cluster in the framework of the FishMPABlue2 project

	a	6	C	0	e
MPA	INVOLVE- MENT IN DECISION MAKING	ENFORCE- MENT STREN- GTHENING	KNOWLEDGE & OWNERSHIP	TAL SUSTAI-	IMPROVEMENT OF SSF PROFI- TABILITY
EGADI ISLANDS MPA					
TORRE GUACETO MPA					
PORTOFINO MPA					
ZAKYNTHOS NATIONAL MARINE PARK					
ES FREUS MARINE RESERVE					
CABO DE PALOS MARINE RESERVE					
<b>CAP ROUX</b> FISHERIES RESERVE					
CÔTE BLEUE MARINE PARK					
BONIFACIO STRAIT NATURAL RESERVE					
STRUNJAN LANDSCAPE PARK					
<b>TELAŠĆICA</b> NATURAL PARK					



ТНЕМЕ	TOOL	MPAs THAT IMPLEMENTED THE TOOL		
a INVOLVEMENT IN DECISION MAKING	<b>TOOL 1:</b> Create collaborative platforms to engage fishers in decision making	<b>11</b> Bonifacio Strait Natural Reserve, Cabo de Palos Marine Reserve, Cap Roux Fisheries Reserve, Côte Bleue Marine Park, Egadi Islands MPA, Portofino MPA, Es Freus Marine Reserve, Strunjan Landscape Park, Telašćica Nature Reserve, Torre Guaceto MPA and Zakynthos National Marine Park		
0	<b>TOOL 2:</b> Increase surveillance by MPA staff and improved infrastructure	<b>5</b> Côte Bleue Marine Park, Es Freus Marine Reserve, Strunjan Landscape Park, Telašćica Nature Reserve, Zakynthos National Marine Park		
ENFORCEMENT STRENGTHENING	<b>TOOL 3:</b> Increase surveillance through fishers' direct involvement	6 Cabo de Palos Marine Reserve, Egadi Islands MPA, Portofino MPA, Strunjan Landscape Park, Telašćica Nature Reserve, Zakynthos National Marine Park		
	<b>TOOL 4:</b> Increase surveillance through the cooperation with relevant authorities	4 Cap Roux Fisheries Reserve, Côte Bleue Marine Park, Telašćica Nature Reserve, Torre Guaceto MPA		
Θ	<b>TOOL 5:</b> Engage fishers in monitoring activities	5 Bonifacio Strait Natural Reserve, Egadi Islands MPA, Portofino MPA, Strunjan Landscape Park, Torre Guaceto MPA		
KNOWLEDGE & OWNERSHIP	<b>TOOL 6:</b> Raise the awareness of fishers, MPA managers and the local community	5 Egadi Islands MPA, Zakynthos National Marine Park, Cabo de Palos Marine Reserve, Strunjan Landscape Park, Cap Roux Fisheries Reserve		
6	TOOL 7: Reduce fishing effort	3 Portofino MPA, Torre Guaceto MPA, Zakynthos National Marine Park		
IMPROVE SSF ENVIRONMENTAL SUSTAINABILITY	TOOL 8: Modify/substitute fishing gear	3 Bonifacio Strait Natural Reserve, Strunjan Landscape Park, Telašćica Nature Reserve		
	TOOL 9: Set-up SSF Code of conduct	📍 Egadi Islands MPA		
A	<b>TOOL 10:</b> Add value to local fisheries products	1 Côte Bleue Marine Park		
IMPROVEMENT OF SSF PROFITABILITY	<b>TOOL 11:</b> Promote new commercial species	Zakynthos National Marine Park		
	TOOL 12: Support Pescatourism	1 Telašćica Nature Reserve		





#### Involvement in decision making

The level of uncertainty in managing natural resources is a real and permanent issue that all MPA managers face. It is necessary to examine conservation problems hand-in-hand with the societal contexts in which they are found. To do this successfully requires giving consideration to the local interests of resource users and wider community and also their perceptions and knowledge of natural resources and how they should be managed. Engaging stakeholders, primarily fishers, in the management of marine resources and MPAs is extremely beneficial as it facilitates representation of diverse views and values; provides local knowledge and solutions tailored to specific contexts; prepares the ground for more effective implementation of policies for long-term management; and helps legitimise MPA governance in the eyes of all involved.

Participative processes: provide different stakeholders and interest groups the opportunity to participate in and influence decision making; encourage ownership of the MPA; and assure cooperation in the implementation of decisions and management.

Good communication channels and open on-going dialogue are necessary to overcome distrust between stakeholders. Creating platforms and channels for communication offers an opportunity for a much needed two-way dialogue: helping fishers feed their experiential knowledge into management decision making; and allowing managers to explain decisions taken and how fishers' information has been used to make the decisions. In addition these stable platforms can be taken one step further and developed into formalised co-management committees where fishers can be empowered and along with other actors share decision-making power

ange visit is to allow MPA managers and other stakeholders to benefit from lessons learn





#### TESTED IN:

Bonifacio Strait Natural Reserve, Cabo de Palos Marine Reserve, Cap Roux Fisheries Reserve, Côte Bleue Marine Park, Egadi Islands MPA, Es Freus Marine Reserve, Strunjan Landscape Park, Telaščica Nature Park, Torre Guaceto MPA and Zakvnthos National Marine Park

#### COST:

TIME NEEDED: Medium

STAKEHOLDER INVOLVEMENT:

Medium

High impact

PERCEIVED EFFECTIVENESS:

#### TEST AND OUTCOMES:

There are several ways to set up a collaborative platform depending on the overall objective, with varying levels of participation and legitimacy. For example: working groups that unite to discuss specific needs of an MPA, or legally recognised co-management bodies where all participants play an equal role in the decision-making process. The demand and desire for increased involvement in decision making processes is evident as all 11 pilot sites within the FishMPABlue2 project selected to implement governance tools and measures within the "Increase fishers' engagement" theme. This theme included tools/measures discussed in other sections of this report, such as fishers engaged in surveillance and in monitoring activities. The main method chosen to increase the involvement of fishers in the decision-making process was the creation of collaborative platforms.

In the FishMPABlue2 project, all MPAs were already engaging fishers to some degree, yet through the initiative they took an additional step to better engage fishers in decision making through the formal establishment of a LGC. The LGC was a formalised joint committee composed mainly of MPA managing bodies and local fishers' representatives who were responsible for the main decisions concerning the implementation of the FishMPABlue2 project pilot action. In some cases, this was the first time fishers had been involved beyond just being informed while attending meetings and were actively engaged in decision making.

Eight of the 11 MPAs opted to take the LGC a step further and implement governance tools focused on increasing fishers' engagement through the strengthening of existing and development of new cooperation platforms that would permit improved two-way dialogue, following different strategies:

Regular meetings: in 7 MPAs<sup>1</sup>, these platforms were used to ensure regular meetings with all relevant stakeholders, allowing fishers to have greater involvement in the management of the MPAs and to discuss and decide upon several new strategies to improve governance, including territorial rights, and introduction of an agreed upon and formalised SSF "Code of conduct". In some of the cases where committees existed but were no longer meeting or only infrequently, specific support was offered to strengthen their role through the organisation of more regular meetings with clearly defined objectives.

#### Strengthening fishers' organisations:

in Telaščica Natural Park, efforts were made to strengthen an existing fisheries organisation (a Fisheries Local Action Group - FLAG) through actions that increased the capacity of fishers and representatives, supporting these organisations in the application for relevant funds (e.g. European Maritime and Fisheries Fund - EMFF), and offering support to fishers to participate in or contribute to other SSF-related organisations such as the Low Impact Fishers of Europe - LIFE network.

These regular meetings have helped build relationships and trust and also developed a shared vision for the MPAs in question, and the fishers reported that they perceived a much better relationship with the management bodies and the decision taken.

1 Es Freus Marine Reserve, Cabo de Palos Marine Reserve, Côte Bleue Marine Park, Bonifacio Strait Natural Reserve, Torre Guaceto MPA, Egadi islands MPA, Zakynthos National Marine Park

they agreed to participate in and

to meet the expectations of the

committee. The next step after

signing the formal commitment

begin a participatory process to

assess the needs of the MPA and

the local community. By involving

all the actors it was assured that

were well understood. The LCG

toolkit would best help address

local community. Once identified,

the LGC committed to finding

the issues identified and meet the interests and needs of the

then followed a process to assess which of the tools in the governance

the actual needs of the community

Cluster (LGC) to meet regularly and

was for the Local Governance





CASE STUDY

The analysis of the specific interests and needs of each stakeholder group allowed managers to plan strategies that can be adopted to work with stakeholders in other MPAs throughout the Mediterranean. The MPA managers were advised to take some time analysing the stakeholders to ensure that those people invited to participate really were the most appropriate representatives possible, and that these people were willing and committed to acting as a communication channel between their sector and the committee. Each MPA created a committee that included representatives from the MPA management bodies and local fisheries sector. In some cases, where appropriate, other actors were incorporated in the committee, including researchers, local NGOS, and representatives of other business sectors such as scuba diving or tourism. Once all the actors were identified, they agreed to sign a formal commitment to say that

CREATING FORMALISED LOCAL GOVERNANCE CLUSTERS

> suitable ways to implement and test the tools. The analysis of the specific interests and needs of each stakeholder group allowed the MPA to plan better strategies that could improve the effectiveness of the MPA whilst at the same time ensuring greater support for the MPA and compliance with the newly agreed upon initiatives.



Fisher in Torre Guaceto Marine Protected Area, Italy. © M. Mabari / MedPAN

#### TIPS FOR ENGAGING FISHERS IN DECISION MAKING

G must be provided with some capacity building to increase their training and experience with participatory processes that will ensure more

Capacity building. Each

stakeholder group involved

equitable participation and empowerment of the different stakeholders.

#### Invest time to identify & characterise stakeholders and ensure they are good representatives. Attention must be

given to the selection of representatives from all sectors, to ensure that they are representative of the whole sector, that they understand the responsibility of representing the views of the whole sector (not just their own interests), and that they report back any key messages, decisions and information to those they are representing. Build a foundation. A foundation built from transparent and accountable trustful relationships can create an excellent starting point for a long term working relationship between MPA management bodies and stakeholders.

Be reliable, consistent and neutral. Neutral facilitators should be used; if the MPA facilitates meetings they need to receive some facilitation training.

Encourage equal participation. Ensure that both men and women (who fish &/or are involved in satellite activities of the sector/functioning of the family fishing business) are represented and that groups that are often marginalised are given equal opportunities to participate.

Identify a common ground. Develop with the stakeholders a common and shared vision for the ideal state of the MPA, which manages stakeholders' expectations for what can realistically be achieved, but sets contextually suitable goals.



e Local Governance Cluster created in Telascica Nature Park, Croatia. © J. Grbin



### What lessons have we learned?

### Case Study 1: Voluntary Code of Conduct



Egadi Islands MPA located in Sicily, Italy. Established 1991. 540km2

Fishers are from 3 small islands and a town on Sicily creating challenges for enforcement, Significant fishing pressure and lack of cohesion and engagement

Through FishMPABlue2, the local governance group of Egadi MPA attempted to improve the cohesion of the fishing sector designing a voluntary "Code of Conduct" that included guidance for monitoring the MPA



@A. Remy / WWF Med

### Case Study 1: Voluntary Code of Conduct



On July 5<sup>th</sup> 2018 the fishers gathered to sign the code of conduct, and have been active in supporting the MPAs monitoring

Now continued effort is required from the MPA to make sure fishers are well engaged and keep the code of conduct going for the long term



@A. Remy/ WWF Med

### Case Study 2: Loving the unlovable



Zakynthos National Marine Park, Greece. Established 1999

The Marine Park has in recent years received more and more unwanted visitors in the form of invasive species, in particular, two species of rabbitfish (Siganus luridus and Siganus rivulatus)

These invasive species are outcompeting local and endemic species, overgrazing algae and altering the natural balance of the ecosystem generating concern in all stakeholders

Through FishMPABlue2 the local governance group agreed on a strategy to promote the consumption of these invasive species



@C.Amico / WWF Med

### Case Study 2: Loving the unlovable



Fishers were directly engaged and encouraged to target these species. To ensure no time and money lost for the fishers, the MPA also ran a publicity campaign, producing flyers, organising cooking events with local chefs, recipe cards

The overall verdict from the events was that these new species are desirable

Finding cunning ways to encourage consumers to start buying these species can help promote their sale

Finally they are also exploring alternative ideas for using these rabbitfish as aquaculture feed



### Feasibility & Effectiveness of tools



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

Cost, Time & Stakeholder involvement needed to implement each tool and perceived effectiveness

### Feasibility & Effectiveness of tools



Perception of the tools:

- having selected the tools themselves stakeholders had improved willingness to implement the toolkit
- felt to have potential to positively effect fish stocks, habitat health, fish catch, and fishers' income
- 67% of fishers reported that the new set of management measures had enhanced their relationship with the management board in the MPA

A positive perception can promote proenvironmental behaviour and improve support for the MPA



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### Quiz Time:

### Which tool(s) would be the most useful for meeting you MPAs needs?

PollEv.com/katiehogg622

# Which tool(s) would be most useful for meeting your MPAs needs?



### **Concluding thoughts**



The toolkit can be a useful instrument for any MPA manager wanting to improve his/ her MPA's effectiveness through better cooperation with local stakeholders

A key message is to understand the importance of honest and open dialogue with small-scale fishers and other stakeholders

FishMPABlue2 results show cooperation with local small-scale fishers can bring unexpected benefits for the MPA managing body

It is hoped that this vision is shared with all of you listening



@M.Mbari / MedPAN

### Thank you. Questions?





@M.Mbari / MedPAN

WE & THE FISHMPABLUE TEAM Thank you for joining today

















