

Interreg 
Mediterranean

 **MPA Engage**

 @MPAEngage

MPA ENGAGE

Engaging Mediterranean key actors in Ecosystem Approach to manage Marine Protected Areas to face Climate Change Impacts

The MPA ENGAGE Citizen Science actions

Carlo Cerrano

Capitalization Event 18th June 2021

Programme co-financed by the European
Regional Development Fund

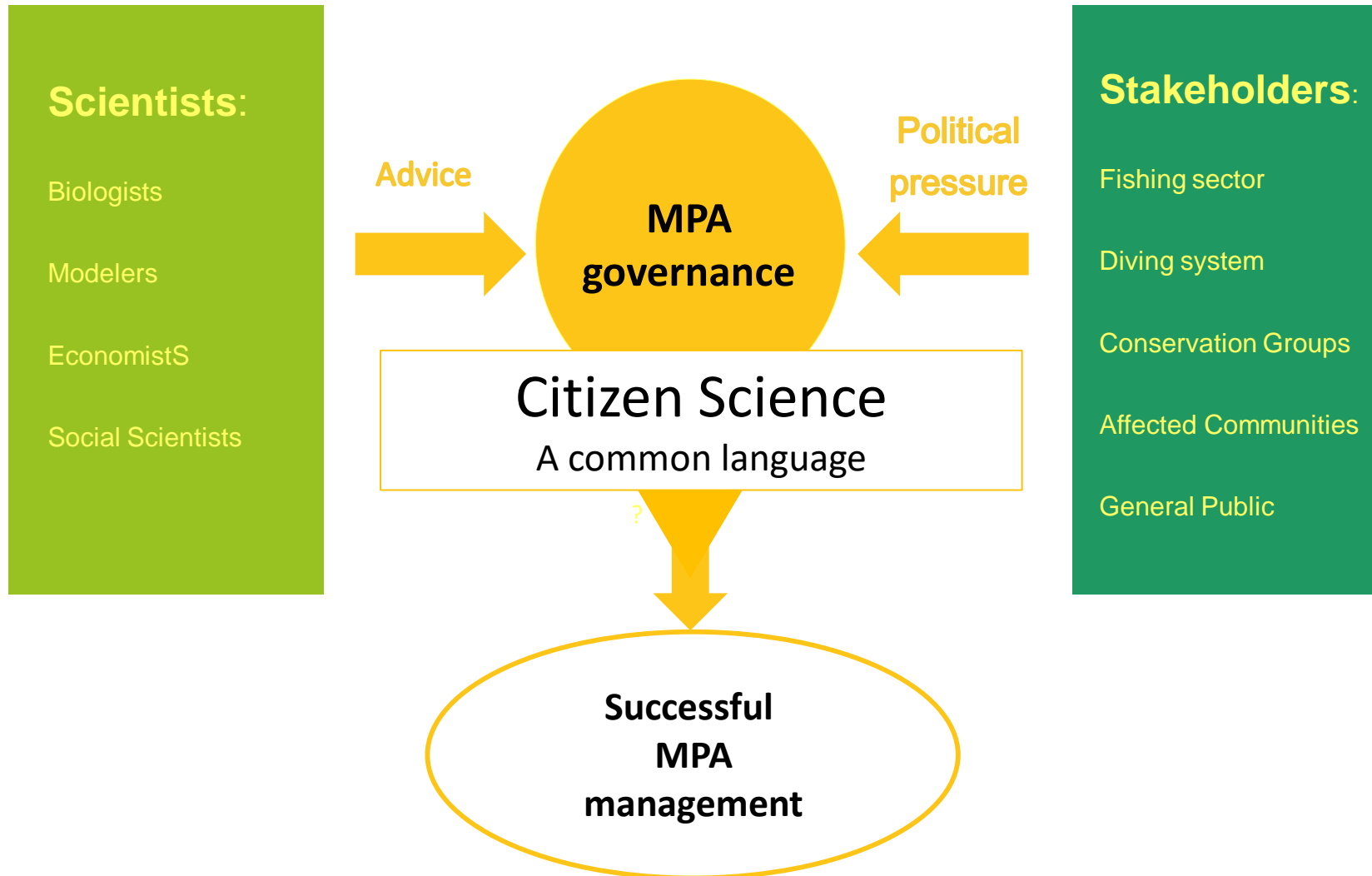
- How can CS support MPAs to face the CC challenge?
- How to implement CS actions in your MPA?
- MPA Engage CS actions



 @MPAEngage

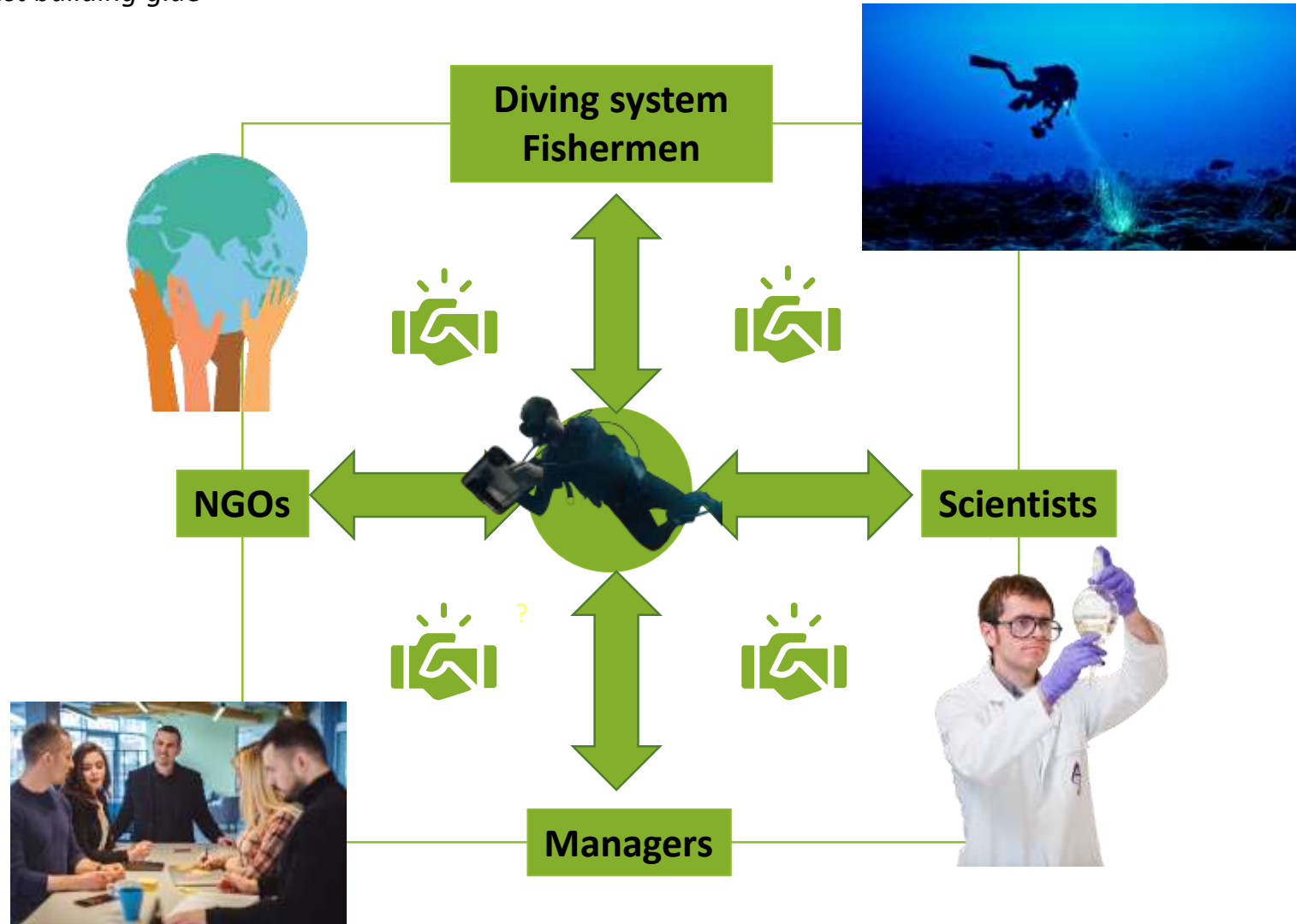
How can CS support MPAs to face the CC challenge?

Different languages can compromise reciprocal understanding



How can CS support MPAs to face the CC challenge?

Around CS most of the categories generally involved in MPAs dynamics can find a «*trust building glue*»

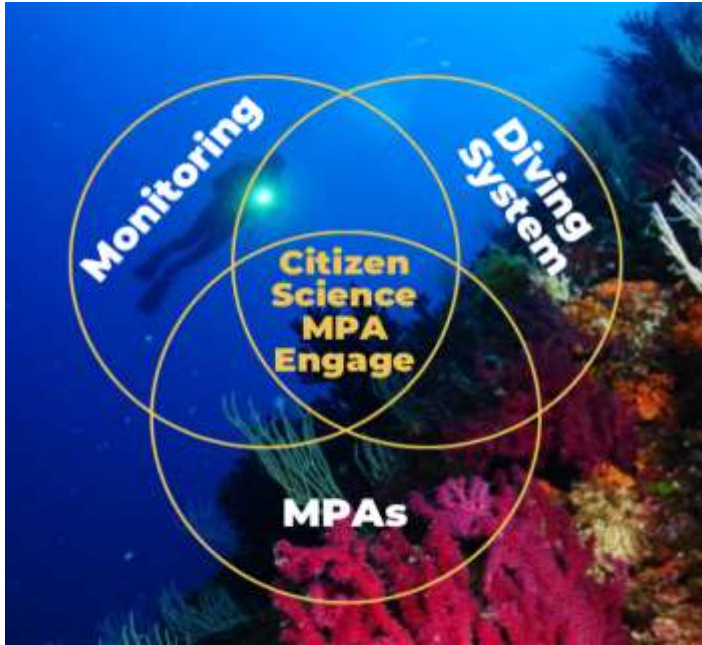


How to implement CS actions in your MPA?

The process

PHASES	ACTIONS
Before starting	Define a research question
	Define a protocol
Development phase	Define project team and aims
	Check economic sustainability
	Identify participant expectations
Active phase	Sampling design
	Training of volunteers
	Supporting material
	Protocol adaptation
	Communication strategy/Feedback to volunteers
Data analysis and reporting phase	Effective Data Repository
	Report for management purposes

How to implement CS actions in your MPA?



- Large scale temporal and spatial data sets
- Increase awareness
- Contribute to the routine monitoring of the MPA staff

	Process & Feasibility	Outcome & Impact
Scientific	<ul style="list-style-type: none"> • Scientific objectives • Data and systems • Evaluation and adaptation • Cooperation and synergies 	<ul style="list-style-type: none"> • Scientific knowledge and publications • New research fields and structures • New knowledge resources
Participant	<ul style="list-style-type: none"> • Target group alignment • Degree of involvement • Facilitation & communication 	<ul style="list-style-type: none"> • Knowledge and science literacy • Behaviour and ownership • Motivation and engagement
Socio-ecological and economic	<ul style="list-style-type: none"> • Target group alignment • Active involvement • Collaboration and synergies 	<ul style="list-style-type: none"> • Societal impact • Ecological impact • Wider innovation potential



Fig. 25.2 Citizen science evaluation framework, by Kieslinger et al. 2018

Strengthen

- Clear objectives and organization
- Good website
- Networking among CS projects
- Sponsors

Weakness

- Scarce motivation
- Non scientists leading CS projects
- Lack of adequate economic resources
- Low gratification. The website or social network are little effective to give feedback to the volunteers/funders
- Little official recognition. Lack of trust in the scientific value of data

Opportunities

- Engage people with adequate degrees
- Develop timely and opportune proposals with local or international interests
- Increase the level of participation of volunteers in the different phases of the CS project
- Demonstration at institutional level of the scientific validity of the data and their exploitation for conservation purposes

Threats

- Confusing objectives
- Low number of participants
- Few data
- Wrong participation strategies (occasional engagement, no feedback)

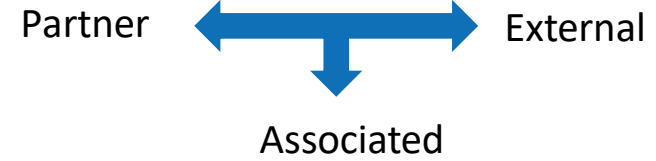
MPA Engage CS actions



ACTIVITIES & ACHIEVEMENTS



12 MPAs



3 PROTOCOLS IMPLEMENTED WITH CS



40 DIVING CENTERS

73 BRO Instructors



4 BRO Instructors Trainers

16 BRO Students





PADI/DAN «Climate Change Day Tour 2021»



Sailing for Blue Life

E' un progetto sviluppato da:

Moana60 Spirit of sailing
(associazione sportiva dilettantistica)

Aganoor
(associazione di promozione sociale)

Fondazione Cetacea Onlus

nell'ambito del laboratorio per l'innovazione sociale e tutela dell'ambiente marino

è un progetto in collaborazione con:

Fondazione Cetacea Onlus
Centro di recupero cura e riabilitazione delle tartarughe marine e tutela dei cetacei

Rete Adrionet
Rete adriatica dei Centri di recupero tartarughe marine

Ai CS Emilia Romagna - Settore ambiente

Prof. Carlo Cerrano
Reef Check Italia onlus - MPA Engage
Dipartimento di Scienze della Vita e dell'Ambiente
Università Politecnica delle Marche

Prof.ssa Elena Vaisecchi - MeD for Med
Dipartimento di Scienze dell'Ambiente e della Terra
Università Bicocca di Milano

Prof. Paolo Luschi - Isla Meta
Dipartimento di Biologia
Università di Pisa

RADAR Magazine - Media Partner
rivista italiana online che racconta storie di ambiente, natura, geografia e culture. Offre contenuti di giornalismo lento, in cui la profondità conta più della velocità.

PADI
Professional Association of Diving Instructors

DAN Europe - MPA Engage
Diving Alerts Network Europe

SEEK ADVENTURE. SAVE THE OCEAN.



Itinerario da aprile al 2 giugno 2021

1[^] Lampedusa 2[^] Malta 3[^] Piemmirio

Itinerario dal 9 giugno al 25 settembre 2021

4[^] Ustica 5[^] Marettimo



PADI/DAN «Climate Change Day Tour 2021»

2021 TOUR

CLIMATE CHANGE DAYS

Interreg Mediterranean
MPA Engage

Project co-financed by the European Regional Development Fund

DAN
DIVERS ALERT NETWORK EUROPE

PADI

The interest in CS is rapidly growing from all the actors. Divers are highly committed in ocean conservation and the diving system is actually considering this as an opportunity for promoting and achieving sustainable development.



Interreg
Mediterranean



MPA Engage



@MPAEngage



Thank You

Interreg
Mediterranean



EUROPEAN UNION



MPA Engage

