

BLUEMED initiative for a healthier and more productive Mediterranean sea

Fabio Fava

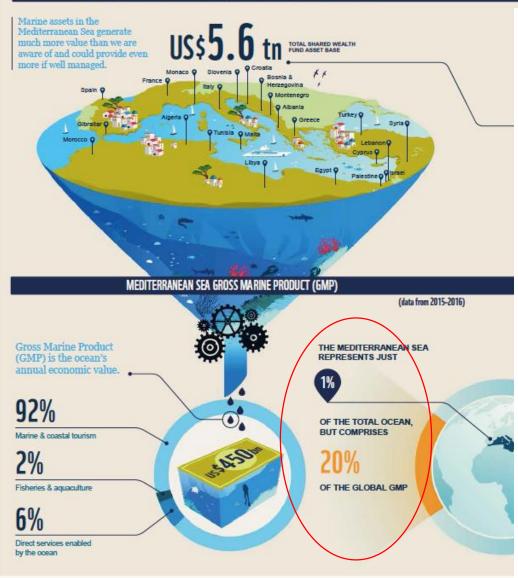
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The Blue Economy in the Mediterranean Sea





The Mediterranean Sea represents 1% of total ocean surface but produces € 415 Bln/y, e.g., 20% global Gross Marine Product. It hosts 30% of global sea-borne trade, 450 ports/terminals, the 2nd World's largest market for cruise ships, half of the EU's fishing fleet, 400 UNESCO sites and 265 protected areas.

blue

It is facing relevant environmental challenges (associated with climate change, pollution, overfishing, etc.) and it does not efficiently exploit local biodiversity, deep sea resources, renewable energy, etc. Such challenges/opportunities cannot be addressed/implemented by any EU MS or local Country individually, but require a common/shared Vision and R&I Agenda.

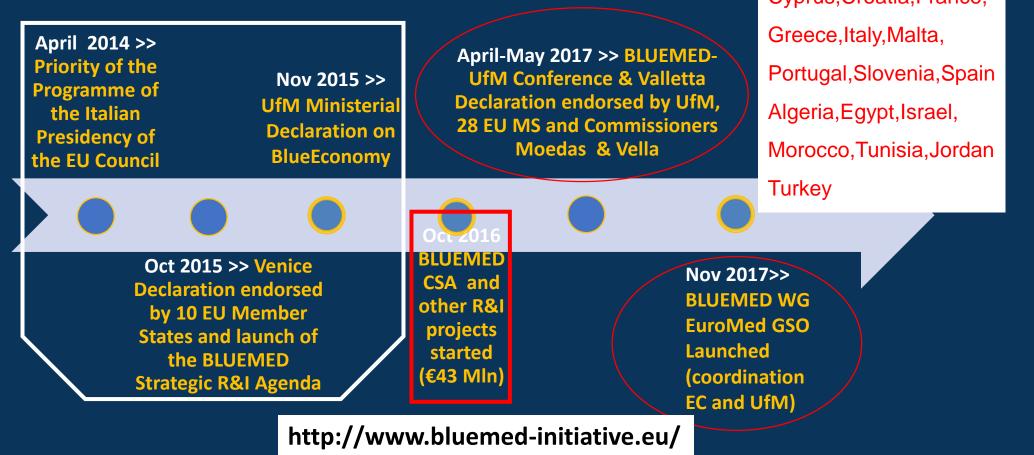


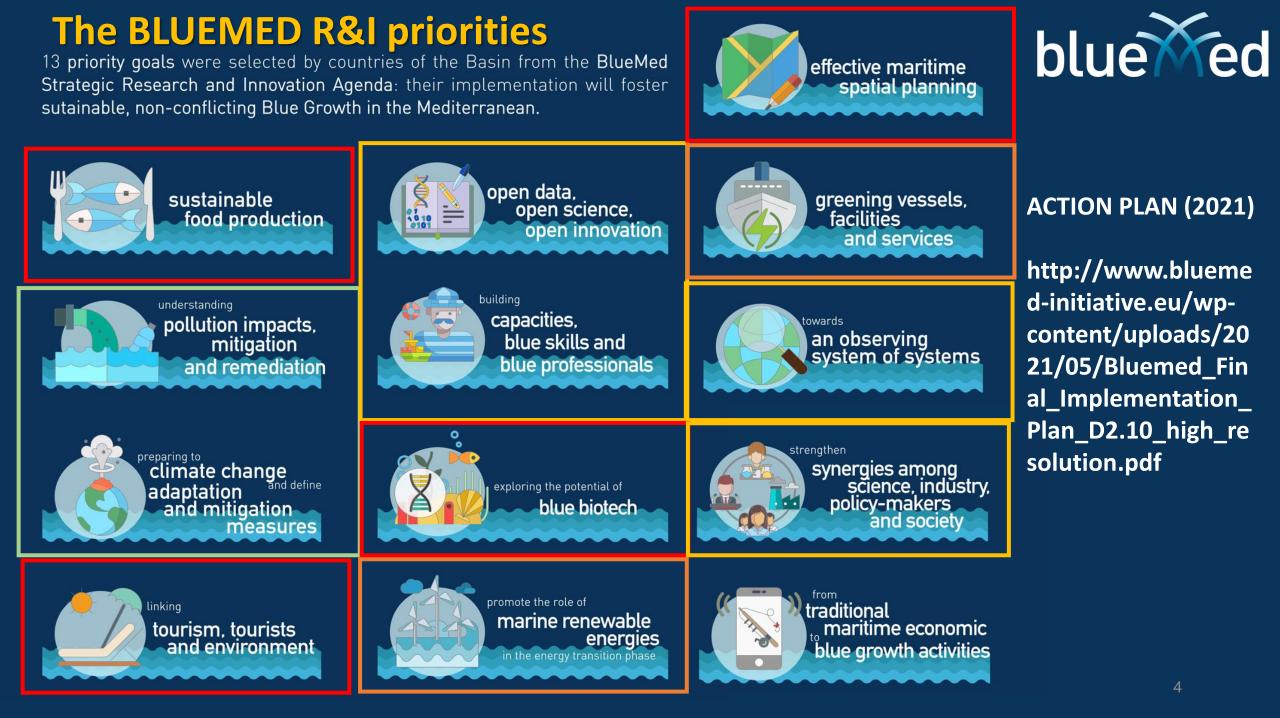
The BLUEMED initiative: aims and actions



The R&I BLUEMED Initiative fosters integration of knowledge and efforts of Countries of the Mediterranean for a more sustainable blue growth in the area.

It was **launched and implemented by the EU MS of the area in close cooperation with the EU commission (**DG RTD, DG MARE). It was then **open to all Countries of the area** interested in joining it.

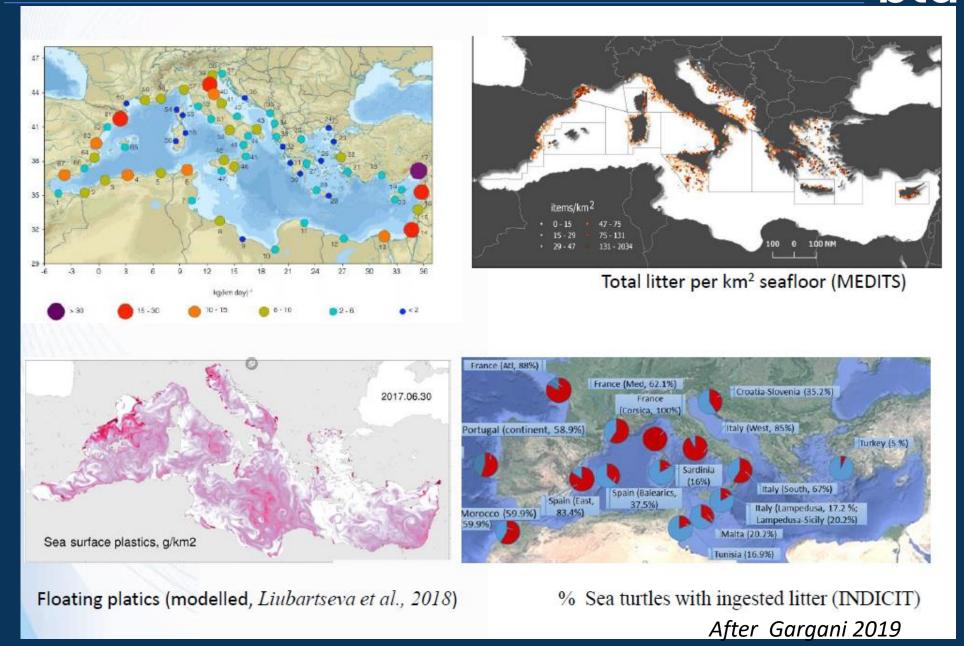




The marine litter sources in the Mediterranean blue fed



The marine litter distribution in the Mediterraneanblue red





Pilot Action for a plastic-free, healthy Mediterranean Sea

Joining forces to address marine litter in the Mediterranean

The BlueMed Pilot Action consists in mapping and assessing the actions on place regarding marine plastic pollution in the EU and non EU countries of the Mediterranean in order to share of good practices, R&I actions but also demonstration, communication and education activities.



bluered

Mediterranean sea: 1% of the world water with 7% of the global microplastics detected so far in marine habitats.

BLUEMED Countries launched (April 2018) a **Pilot for a plastic-free, healthy Mediterranean Sea** with the actions:

Mapping in all Countries ongoing actions and initiatives with clear technological, business, policy, educational and social impacts (2019);

Set up a joint **digital platform to share the mapped initiatives/projects and the best experiences** (2020);

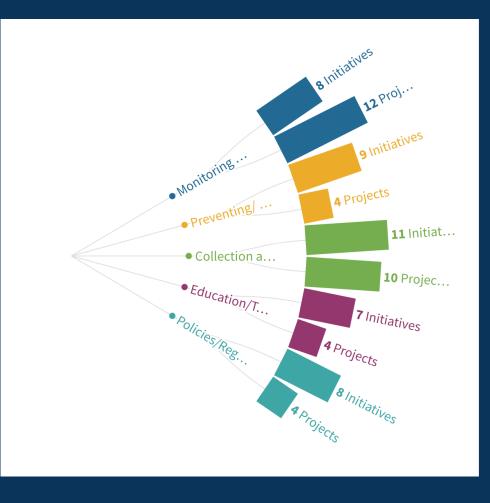
Building a **broad partnership** to implement **joint concrete actions to remarkably reduce marine litter** in the Mediterranean sea (2021-). 7



Example#1: the BlueMed Pilot Italian Hub – **blue** mapped projects and initiatives

Actions identified and mapped:

- Monitoring and Assessment
- Preventing/ Recycling / Circular thinking
- Collection and Valorization
- Education/Training/Communication
- Policies/Regulatory framework/Financing





Example#1: the BlueMed Pilot Italian Hub – **blue** mapped projects and initiatives



> more than 70 among full/pilot scale initiatives and prominent R&I projects (EU/national/regional)

13 University/ Research Center

1 National association of Fishery sector

3 National Environmental Associations

1 Public health institution





The Italian HUB for the BLUEMED initiative Pilot "Towards a Healthy plastic-free Mediterranean Sea"

(web meeting organized by the BLUEMED GSO and CSA; hosted by CLUSTER BIG)



Agenda Naples, October 9, 2020

Participation link https://conference.wildix.com/conf/c48ffcd6-8391257

Dial-in number <u>+390689960403</u> ID: 8391257



1 National Cluster (Blue Growth)

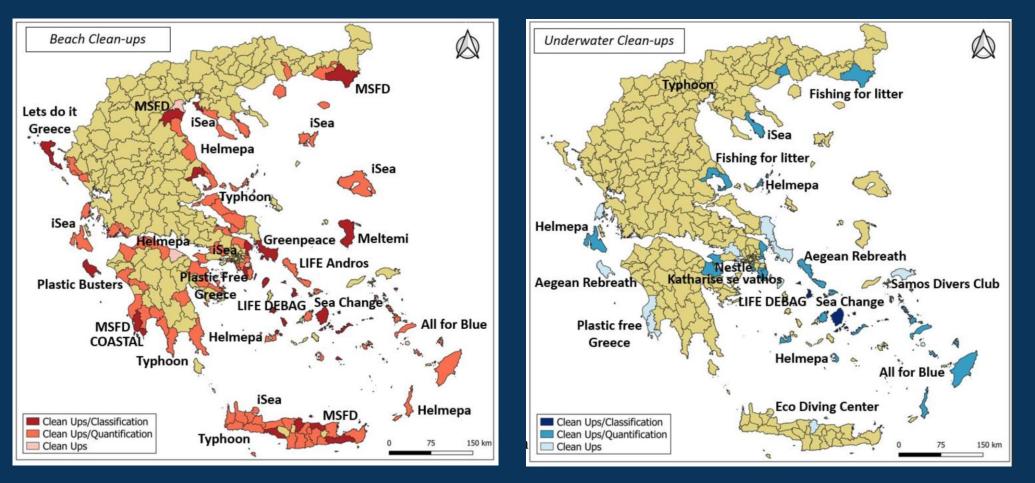
1 National Consortium for the collection and recycling of plastic packaging

> 2 National Associations of plastic producers

3 Large Companies/Start up



Example#2: the BlueMed Pilot Greek Hub – **bluered** mapped projects and initiatives

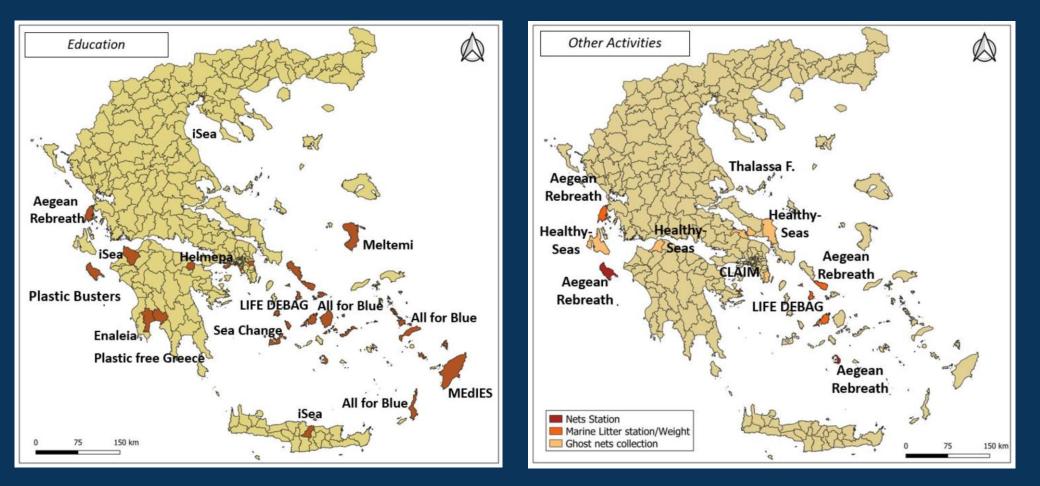


After: Kikaki A., Kastanidi E., Pagou, K., Karageorgis A.

Details and interactive mapping on: http://www.bluemed-initiative.eu/pilot-action-on-a-healthy-plastic-free-mediterranean-sea/



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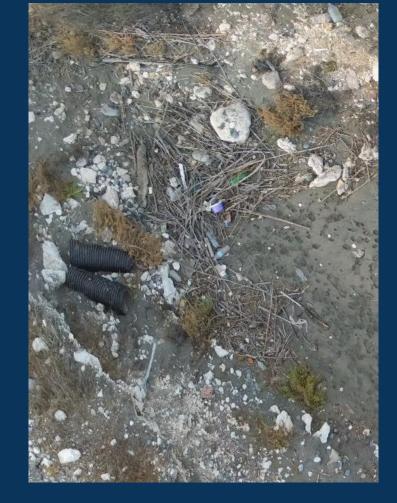


Example#3: the BlueMed Pilot Turkish Hub – **bluered** an example from the mapped projects and initiatives

Using drone technology for Marine litter monitoring in coastal areas

- High Resolution pictures
- Coverage of large areas quickly
- Machine Learning technology to classify the marine litter
- Litter Categories
- Density map





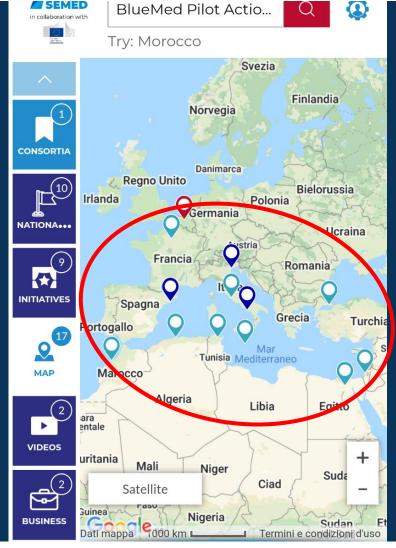
After Prof. Dr. Baris Salihoglu



The BLUEMED Pilot: main joint achievements



Countries involved: Algeria, Egypt, France, Greece, Israel, Italy, Malta, Morocco, Spain, Tunisia, Turkey



https://semed.eu/search?q=bluemed

Actions identified and mapped:

Monitoring and Assessment marine litter
Preventing/Recycling/Circular thinking
Collection and Valorization of litter
Education/Trainig/Communication
Policies/Regulatory framework/Financing

Unlocking potential of Ports and Harbours in preventing and exploiting Marine Litter Venice, Sept 2021

ECOMONDO HE GREEN TECHNOLOGY EXPO Plastic producers meeting October 26 - 29 2021

http://www.bluemed-initiative.eu/pilot-action-on-ahealthy-plastic-free-mediterranean-sea/

BlueMed Young Ambassadors







ABOUT TOOLS & ACTIONS PUBLICATIONS OUTREACH





ge credits: Legambiente, Anna Paola Montuoro)

UNDERSTANDING AND ACTING FOR A HEALTHY PLASTIC FREE MEDITERRANEAN SEA

Building a sustainable blue economy in the basin

The BlueMed Initiative presents the e-training course on Understanding and acting for a healthy plastic free Mediterranean Sea, organized in the framework of the Pilot Action Healthy Plastic-free Mediterranean Sea.

This course brings together experts working on **Marine Litter and the Blue-economy** in order to share knowledge, showcase best practices and suggest methods enabling more sustainable blue jobs in the framework of the circular economy strategy, taking into due consideration education for sustainable development and citizen science.

http://www.bluemed-initiative.eu/e-training-course/

11 lessons, 19 experts400+ registrants





11.COMMUNITY AND CITIZEN AWARENESS, OCEAN LITERACY

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July	Ζ.	st,	2020	31	-11	:00	UE2

	tizens as active players in the marine circular economy, towards shared sustainat s: marine tourism, food and water consumption, waste management, plastic reducti
etc.	
1. Intr	o on basic concepts of public engagement, community awareness, ocean literal
	science and the RRI approach;
	inar with experiences of citizens engagement in marine-based projects.

AGENDA:

11:00: Welcome address (Erasmia Kastanidi, BlueMed and HCMR)

1:05: Introduction to the session and key concepts [Alba L'Astorina and Rita Giuffred], BlueMed and CNF	nd CNR)
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1:25	Panel: Sharing and discus	sing experiences of	citizens' engagement in	marine-based projects

Speaker	Engagement mode	Marine issues	Experience
Francesca Ronchi (ISPRA, Italy)	Stakeholders engagement / RRI	Fishing/plastics	RRI-MARINA, DeFishGear ML-REPAIR, Fishing for litter
Lucía Fraga (CETMAR, Spain)	Ocean Literacy	Marine litter	CleanAtlantic project
Mihaela Mirea Cândea (Mare Nostrum NGO, Romania)	Community engagement	Single use plastics	Anemane project
Macarena Marambio (CSIC, Barcelona)	Citizen science	Monitoring/global warming	Observadores del Mar / Sea Watchers
Inès Boujmil (INSTM, Tunisia) and Badr El Mahrad Mohammed V University of Rabat Morocco and CIMA, Portugal]	Citizens' engagement Young Communication	in non-EU countries: the p n Ambassadors	erspectives of the BlueMed
2:15: Questions & answers 2:25: Conclusions and session	wrap up		
Desistantian has	a https://dominter.asteur	binar.com/rt/614794276353	7001005



Ideas and Solutions for a Healthy Plastic Free Mediterranean Sea



Do you care about **marine pollution**? Apply now! Registrations open until May 10th 2021

bluemed HACKATHON

Ideas and solutions for a Healthy Plastic Free Mediterranean Sea

Are you a passionate young MSc and PhD graduate in STEM disciplines, a creative or a marine sciences young professional?

Join the BlueMed Hackathon to contribute solving plastic pollution challenges!

> Info and registrations: https://semed.eu/search?q=bluemed http://www.bluemed-initiative.eu/bluemed-hackhaton/



Thank you

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www.italy-croatia.eu/acronym

