



Istituto Nazionale  
di Oceanografia e di Geofisica Sperimentale



# **OGS Blue Growth Initiative: building capacities and developing skills in the Mediterranean**

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and Strategic Partnerships

# Blue Growth

**How inappropriate to call  
this planet Earth when it is  
quite clearly Ocean.**

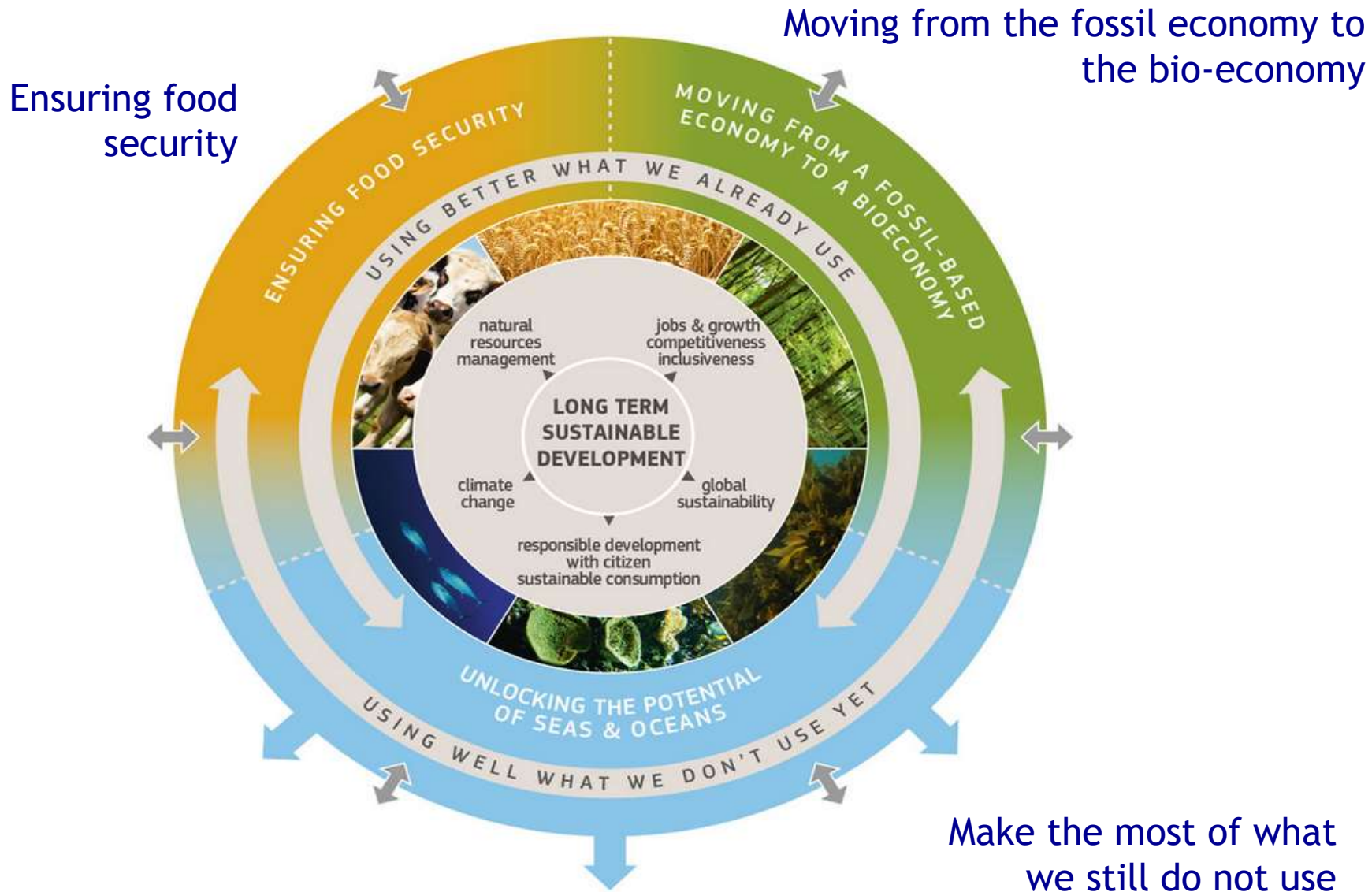
Arthur C. Clarke

# Smart, sustainable and inclusive growth

The challenge is to make full use of the potential of the blue economy.



# Greening the blue economy



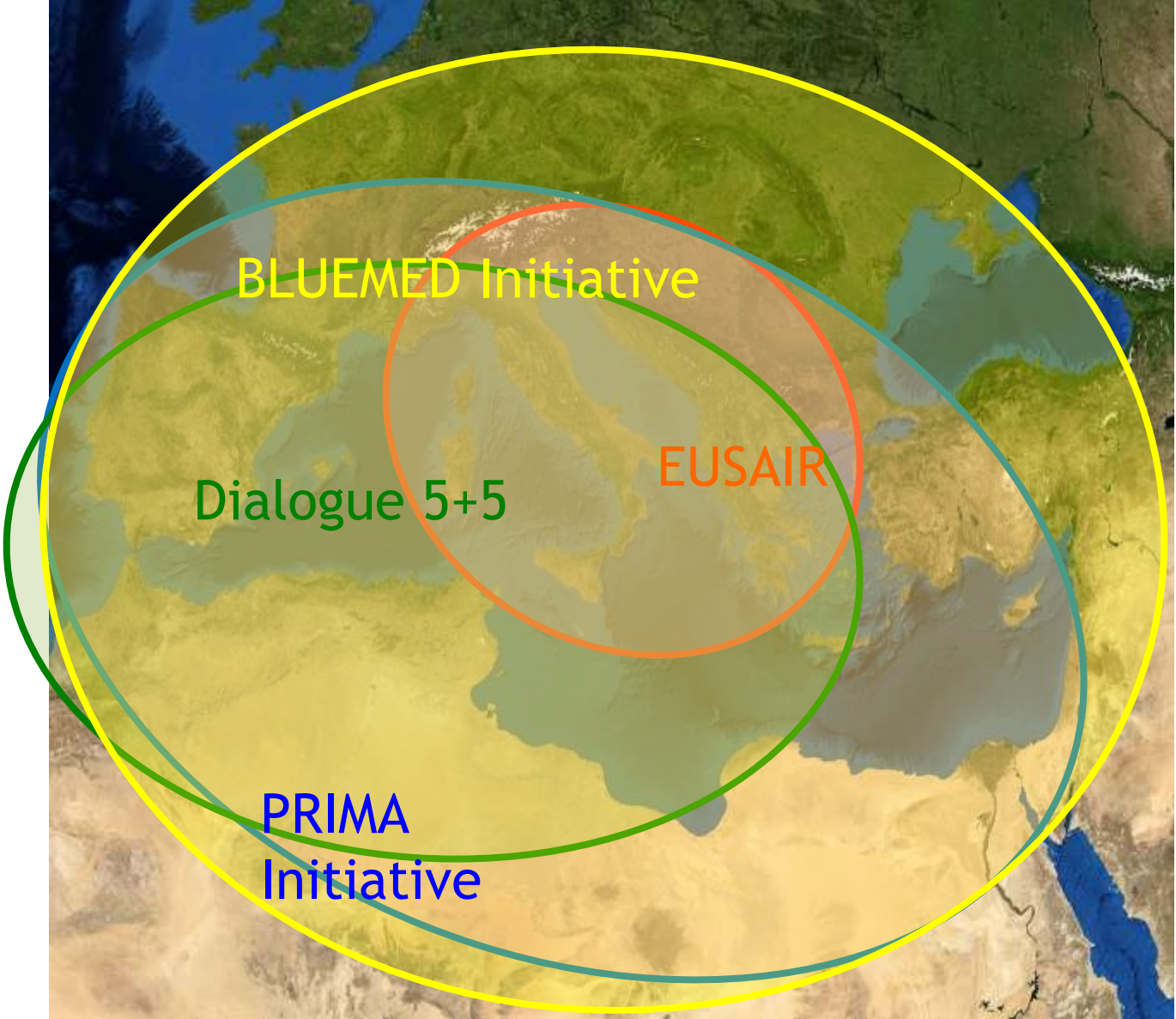
# No need to over exploit our planet



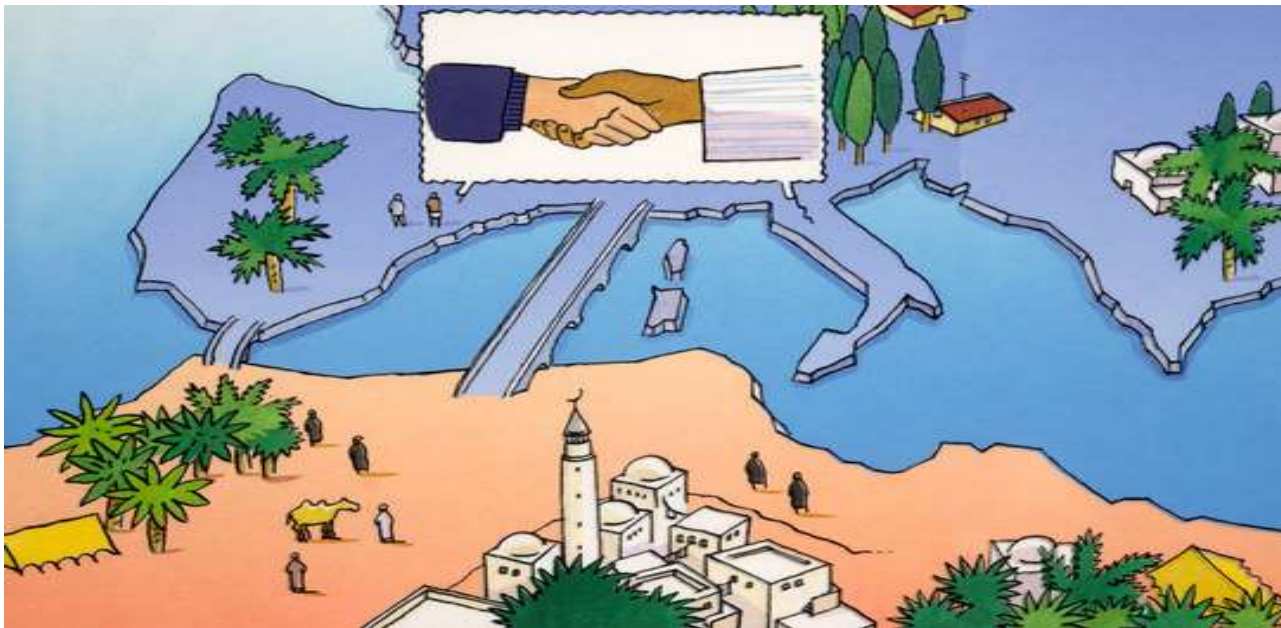
# But we use resources in a sustainable way



# A series of initiatives in the Mediterranean area



# The Western Mediterranean Intergovernmental Geopolitical Forum





✧ 1st Meeting: Rabat, 19-20 September 2013

✧ 2nd meeting: Madrid, 23-24 March 2015

✧ 3rd meeting: Tunis, 30-31 March 2017

✧ Next ministerial conference in Rome, March 2019.



# Research, Innovation and Higher Education



Ministerial Conference, Tunis, 30-31 March 2017





Najat Belkacem

@najatvb



À Tunis pour la réunion du dialogue 5+5  
@sup\_recherche et innovation et la signature  
de la déclaration ministérielle commune  
#Coopération



Carlos Moedas

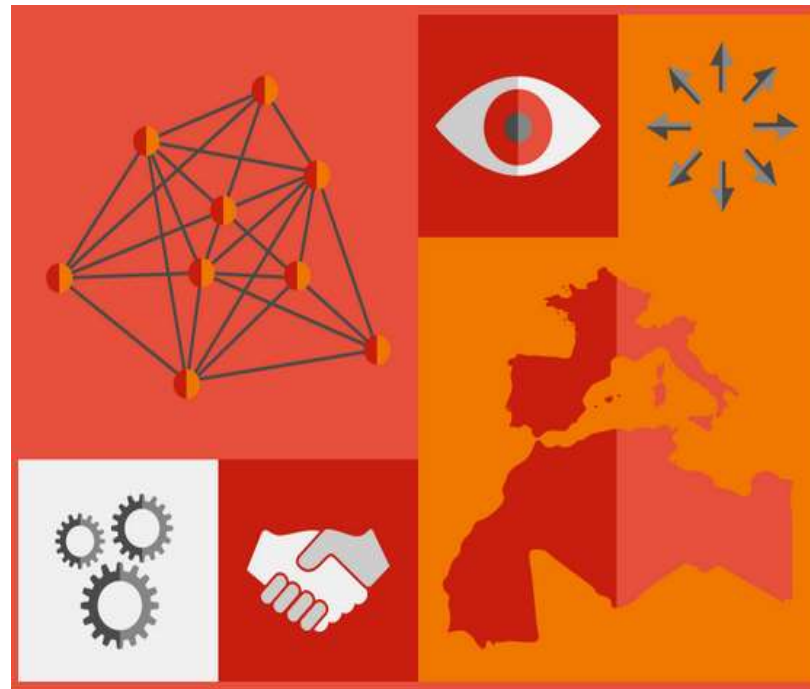
@Moedas



Ravi d'être en  pour la réunion ministérielle  
5+5 #UEMed. #H2020 est ouvert au monde.  
#PRIMA\_EU en est l'exemple parfait.  
#Opentotheworld



# Ensure closer cooperation between the five EU Member States and the five Maghreb countries

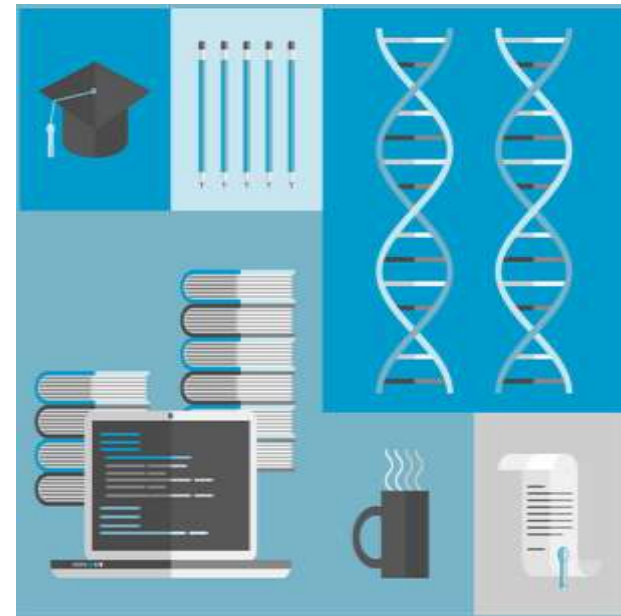


# Technical preparatory meeting, Tunis 2016





Promote and improve job creation in line with international labour standards throughout the creation of new job profiles able to meet the needs of the market.



Type of activity	Ocean service	Established industries	Emerging industries	New industries	Drivers of future growth
Harvesting of living resources	Seafood	Fisheries	Sustainable fisheries		Food security
			Aquaculture	Multi-species aquaculture	Demand for protein
Extraction of non-living resources, generation of new resources	Marine bio-technology		Pharmaceuticals, chemicals		R&D in healthcare and industry
	Minerals	Seabed mining			Demand for minerals
			Deep seabed mining		
	Energy	Oil and gas			Demand for alternative energy sources
			Renewables		
	Fresh water		Desalination		Freshwater shortages
Commerce and trade in and around the ocean	Transport and trade	Shipping			Growth in seaborne trade
		Port infrastructure and services			International regulations
	Tourism and recreation	Tourism			Growth of global tourism
		Coastal development			Coastal urbanisation
			Eco-tourism		Domestic regulations
Response to ocean health challenges	Ocean monitoring and surveillance		Technology and R&D		R&D in ocean technologies
	Carbon sequestration		Blue carbon (i.e. coastal vegetated habitats)		Growth in coastal and ocean protection and conservation activities
	Coastal protection		Habitat protection, restoration		
	Waste disposal			Assimilation of nutrients, solid waste	

Activities that can contribute to restoring ocean health



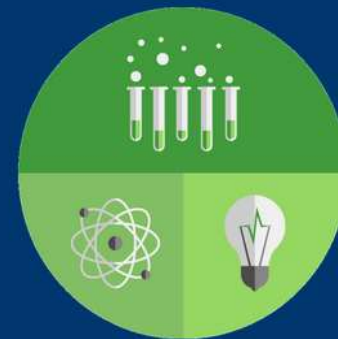
# Specific instruments



Networking



Higher Education



Research and Innovation







# The contribution of Italy

Western Mediterranean  
Forum Meeting  
(Dialogue 5 +5),  
Barcelona, 28-29  
January 2015





**Madrid, 24 March 2015.** A high-level delegation of the UfM Secretariat headed by the Secretary General Fathallah Sijilmassi participated in the 2<sup>nd</sup> Dialogue 5+5 Ministerial Conference on Research, Innovation and Higher Education conveyed by Spain on 23-24 March 2015 in Madrid.



Ministero



Istruzione



Università



Ricerca

## Ufficio Stampa

Roma, 23 marzo 2015

**Ricerca, Giannini oggi e domani a Madrid per conferenza Ministri del Dialogo euro-Mediterraneo 5+5**

Il Ministro dell'Istruzione, dell'Università e della Ricerca Stefania Giannini oggi e domani sarà a Madrid per l'incontro dei Ministri del Dialogo euro-Mediterraneo 5+5 sui temi della Ricerca e dell'Innovazione.

I paesi coinvolti sono Italia, Francia, Spagna, Portogallo, Malta, Algeria, Tunisia, Marocco, Libia e Mauritania.

La riunione sarà dedicata alle sinergie nel campo della ricerca, dell'alta formazione e dell'innovazione (il cosiddetto triangolo della conoscenza) nell'area del Mediterraneo. Sono previste la firma di una Dichiarazione comune e l'approvazione di un Programma di lavoro per il 2015-2016. L'Italia contribuirà al Programma con scuole di formazione su Blue growth (organizzata dall'Istituto Nazionale di Oceanografia e di Geofisica Sperimentale - Ogs - di Trieste) e sostenibilità agroalimentare (organizzata dall'Università di Siena).

Inoltre, l'Italia coordinerà due "Cost Action" europee per favorire il networking nel settore Scienza e Innovazione e un progetto nel settore della prevenzione e gestione dei rischi sismici nel Mediterraneo.

Il Ministro incontrerà a Madrid, durante la sua visita, accademici, ricercatori e studenti italiani.

[← Indietro](#)[↑ Torna su](#)

“Italy will contribute to the program with training schools on Blue Growth (organized by the National Institute of Oceanography and Experimental Geophysics - OGS - Trieste)” *Minister Giannini*

## Comunicati 2016

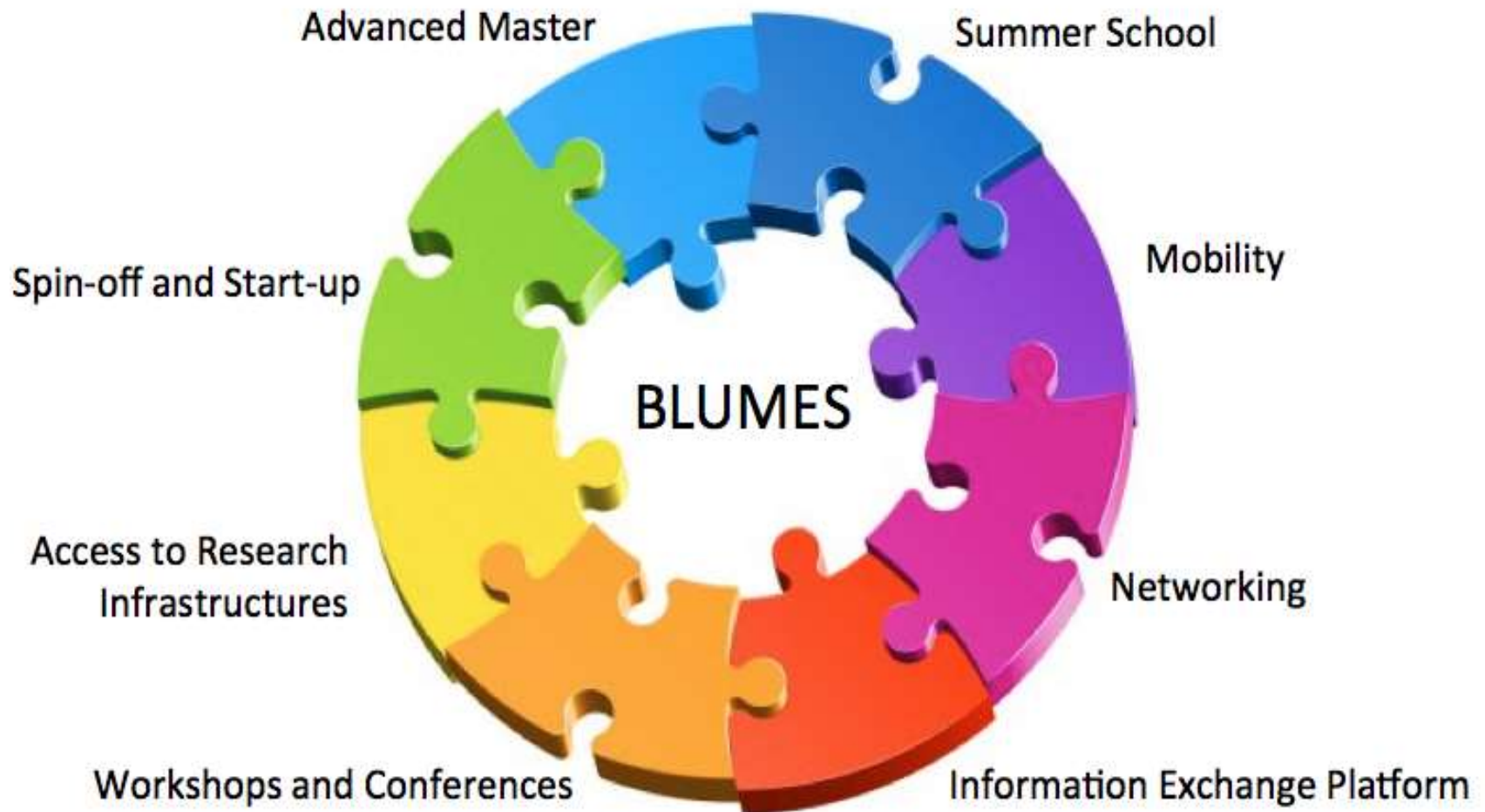
- [→ Maggio](#)
- [→ Aprile](#)
- [→ Marzo](#)
- [→ Febbraio](#)
- [→ Gennaio](#)

[Anno 2015 ↓](#)[Anno 2014 ↓](#)[Anno 2013 ↓](#)[Anno 2012 ↓](#)[Anno 2011 ↓](#)[Anno 2010 ↓](#)[Anno 2009 ↓](#)[Anno 2008 ↓](#)

Comunicati precedenti al  
21/05/2008



# The Blue Mission: Enhancing Skills in the Mediterranean Area



# Summer Schools

Trieste, 14-18 July 2014



Trieste, 20-24 July 2015



Trieste, 4-8 July 2016





Trieste, 10-19 July 2017





# workshops



# Knowledge exchange and Scientific networking

Mobility





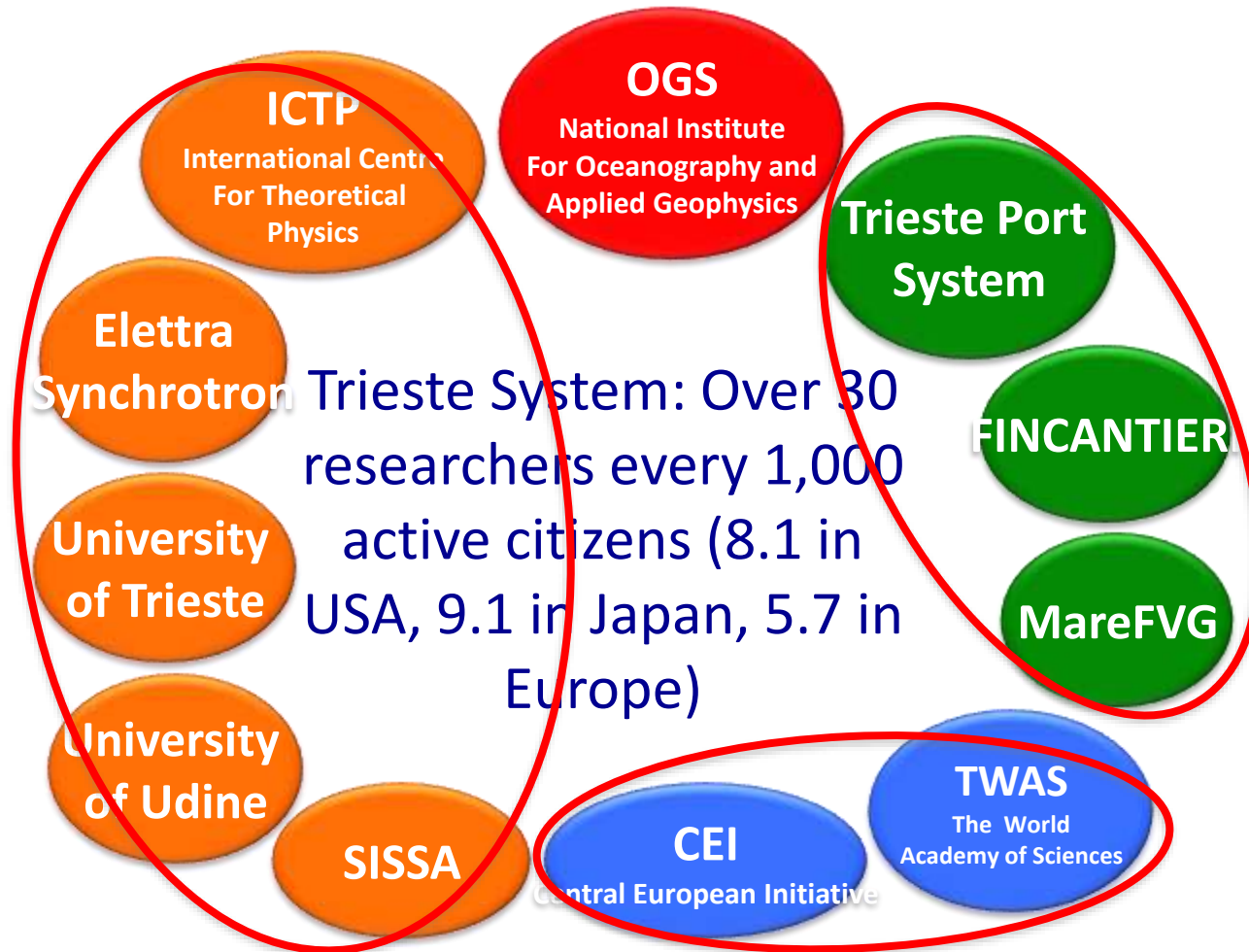
Marie Skłodowska-Curie  
Actions

“YOU CANNOT HOPE TO BUILD A BETTER WORLD  
WITHOUT IMPROVING THE INDIVIDUALS.”

MARIE SKŁODOWSKA-CURIE



# BLUE PATH



## Activities to support business development and creation of start-ups/spin-offs



# Awareness raising

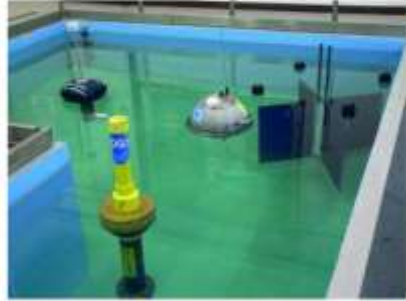
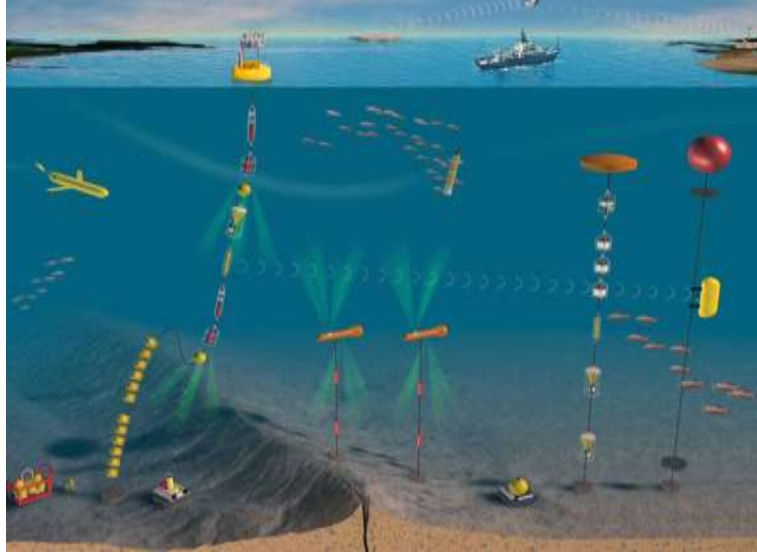
## Sensibilization campaigns



# Public outreach



# Research infrastructures









# Advanced Master in sustainable blue growth



UNIVERSITÀ  
DEGLI STUDI DI TRIESTE

Master

The objective of the Master organized by OGS in collaboration with the University of Trieste and with the support of MIUR is to strengthen skills and improve professional skills in the marine and maritime sectors.



# Complexity of the marine ecosystem



# Topics



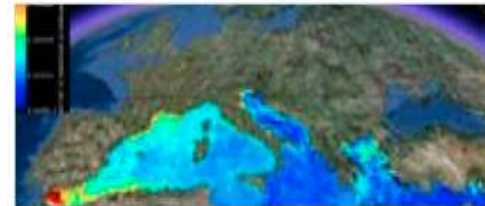
**Fishing and aquaculture**



**Marine knowledge**



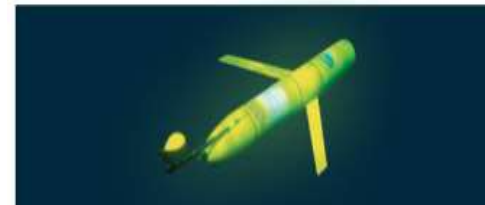
**Marine biotechnology**



**Maritime spatial planning**



**Coastal and maritime tourism**



**Integrated maritime surveillance**



**Sea-bed mining**



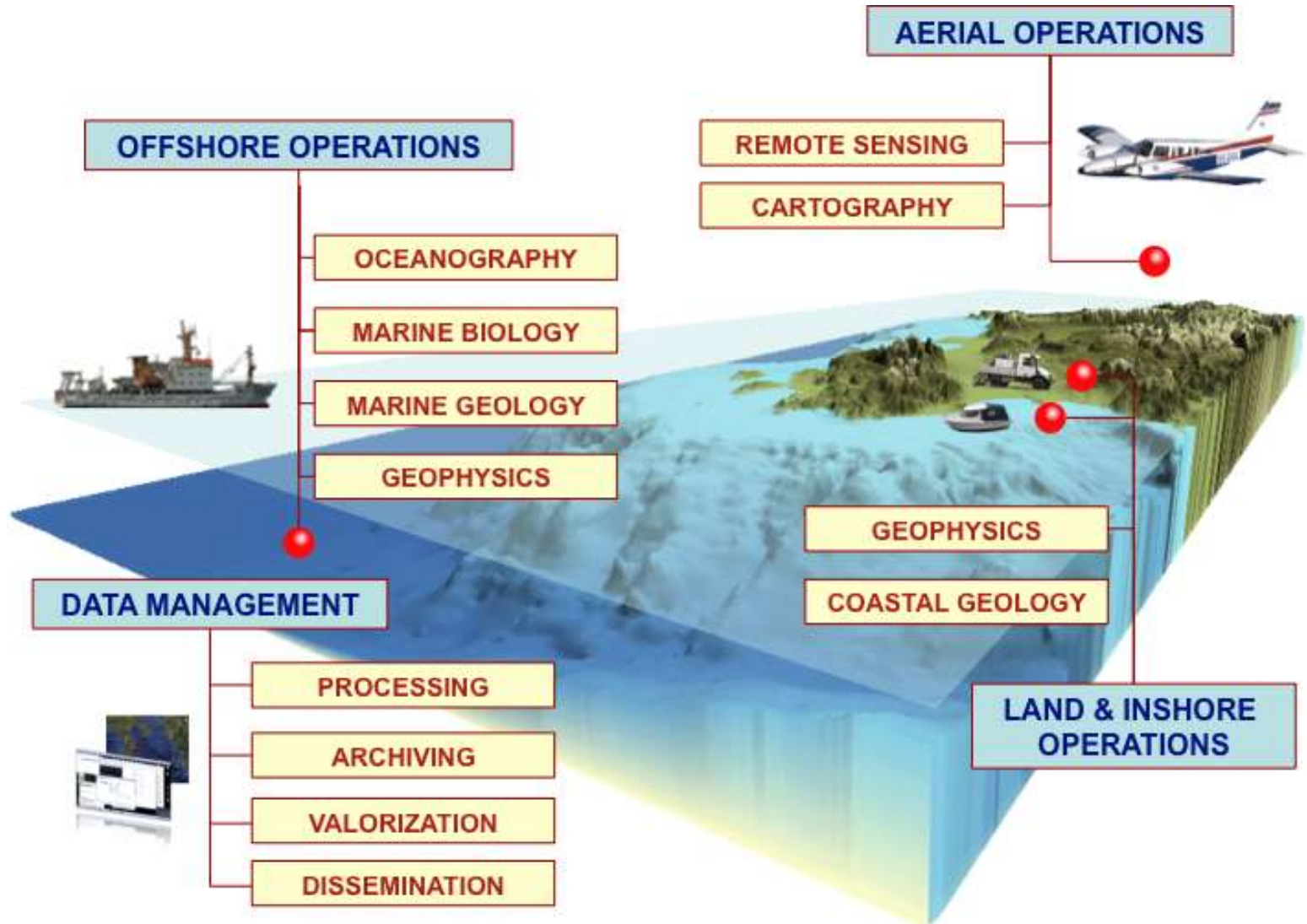
**Sea basin strategies**



**Ocean energy**



# Land-sea interaction



# 3 sessions of the Master in 2018

- ✧ March, 5-18
- ✧ June 25 to July 8
- ✧ October, 15-28



děkuji tack! faafetai lava 명. 고맙습니다 谢谢  
paldies mauruuru

Gracias Tak KIITOS Toda  
a dank dankon mahalo köszönöm cám ơn

Thank you!

सुक्रिया धन्यवाद  
Merci obrigado Danke teşekkür ederim!,  
sukriya dhanyavadalu

תודה Grazie Dank U  
спасибо σας ευχαριστώ ありがとう takk