

CIESM –The Mediterranean Science Commission

**Actions of possible interest to
MBSHC**



21st Conference of the Mediterranean and Black Seas Hydrographic Commission
(MBSHC) Cádiz, España (Spain), 11 – 13 June 2019

A century of history



1917

From 7...

Founders: *Egypt, France, Greece, Italy, Monaco, Spain, Tunisia*



2019

...to 23 Member Countries

A century of history



1917

2019

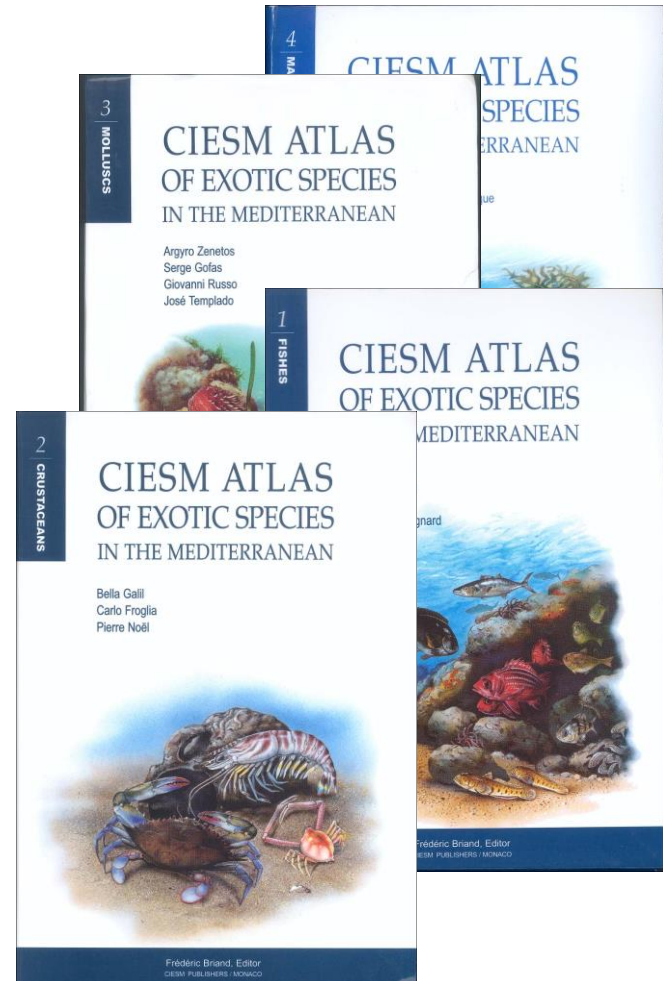
From 7...

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...to 23 Member Countries

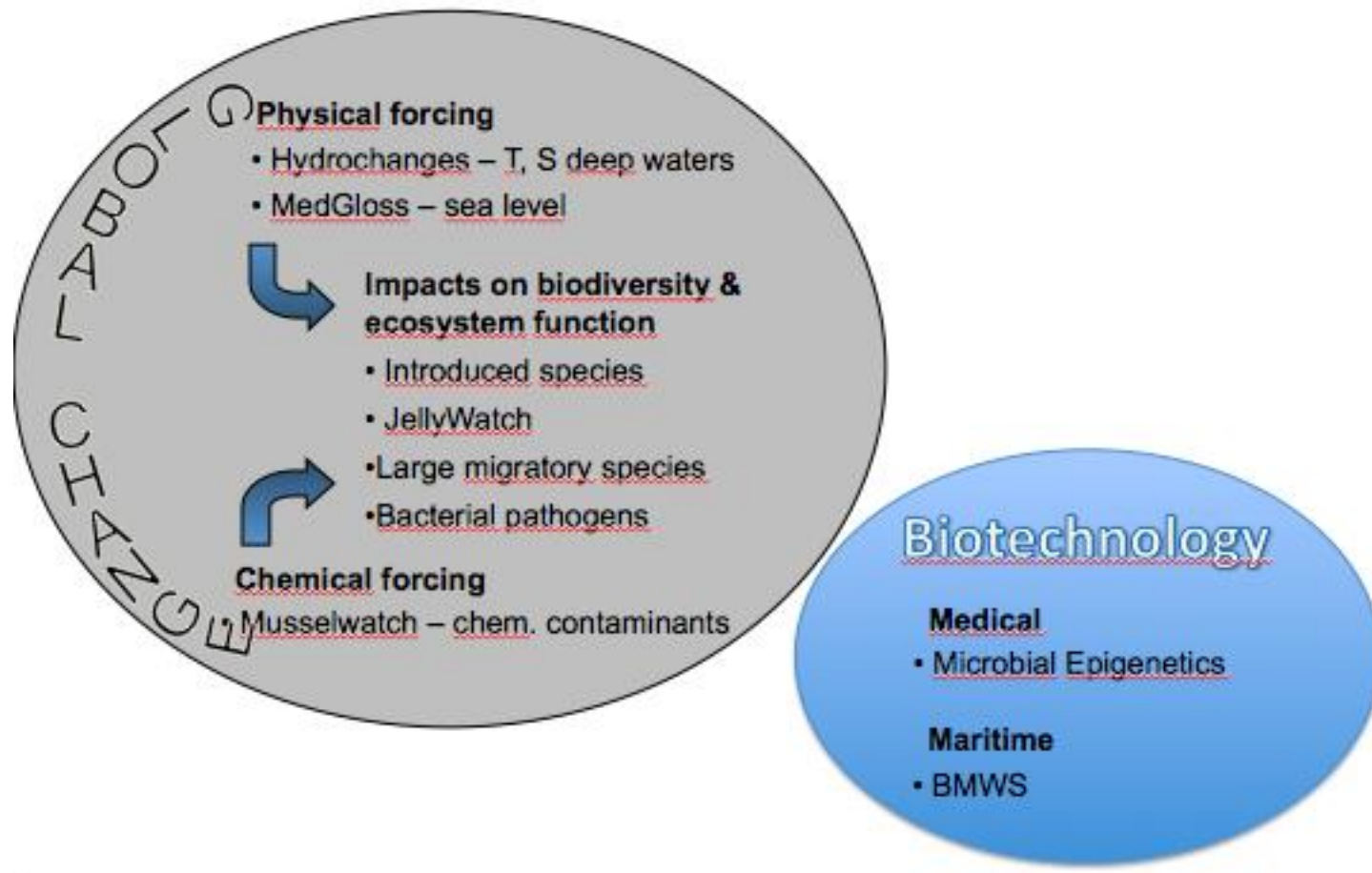


Guidelines/Products





Research programs





Marine Research cross-roads

2013

Marine Research Crossroads



CIESM
The Mediterranean
Science Commission

Marine Governance

The tragedy of commons

Trans-Frontiers MPAs

CIESM Marine Peace Parks

The value of oceans

A green-blue economy

Marine Genetic Resources

The role of research sector in ABS governance

Cross-Sector Partnership

Challenges and opportunities

Innovative Communication Approaches

To make marine research count



Marine Research cross-roads

2013

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IHO/CIESM Science Agreement

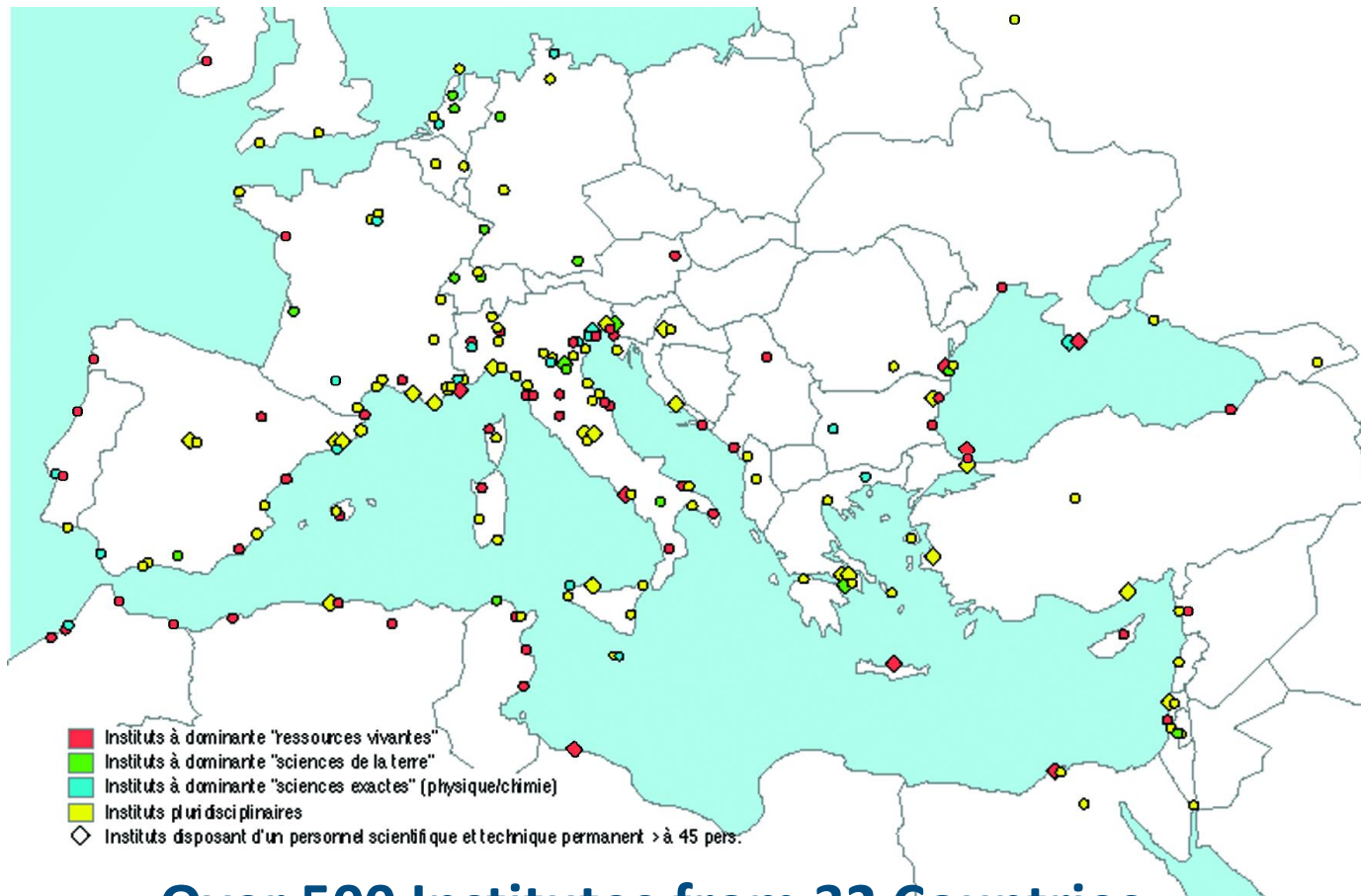


Robert Ward (Secretary General of IHO) and Frédéric Briand (Director General of CIESM)

Monaco, Principality - 27 May 2017



A Network of Marine Researchers



Over 500 Institutes from 32 Countries

Physical Oceanography

Erasmus Mundus Master
Marine Environment+ (MER+)

combination of theoretical courses and
practical training in all aspects of the Earth's
climate



CIESM WK 34 - Towards an integrated system
of Mediterranean marine observatories
La Spezia, January 2008 - 144 pages

université
de BORDEAUX

cei·mar
campus de excelencia internacional del mar



L-Università
ta' Malta

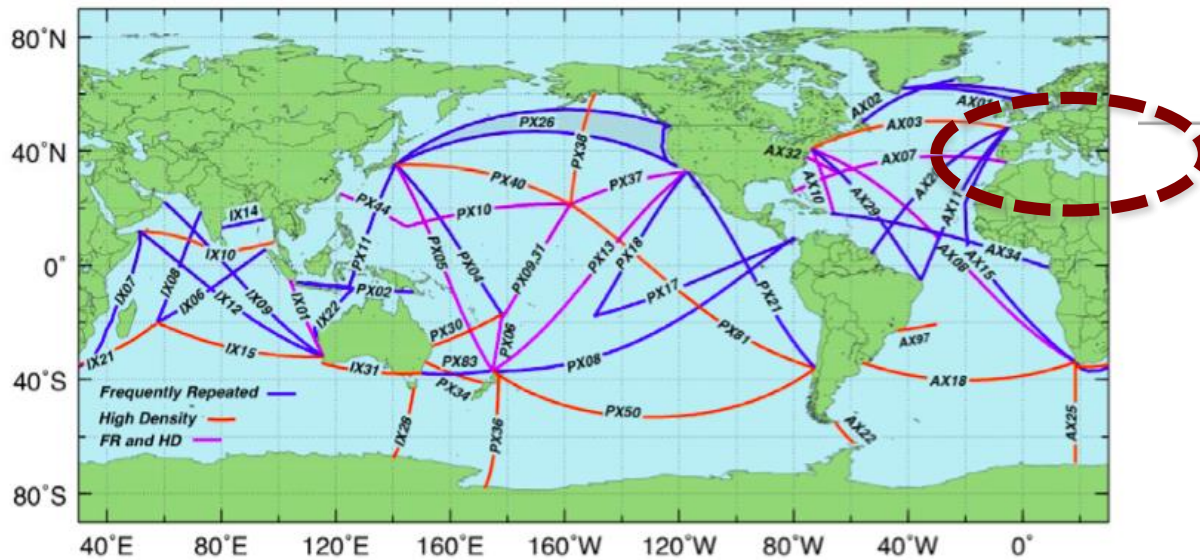
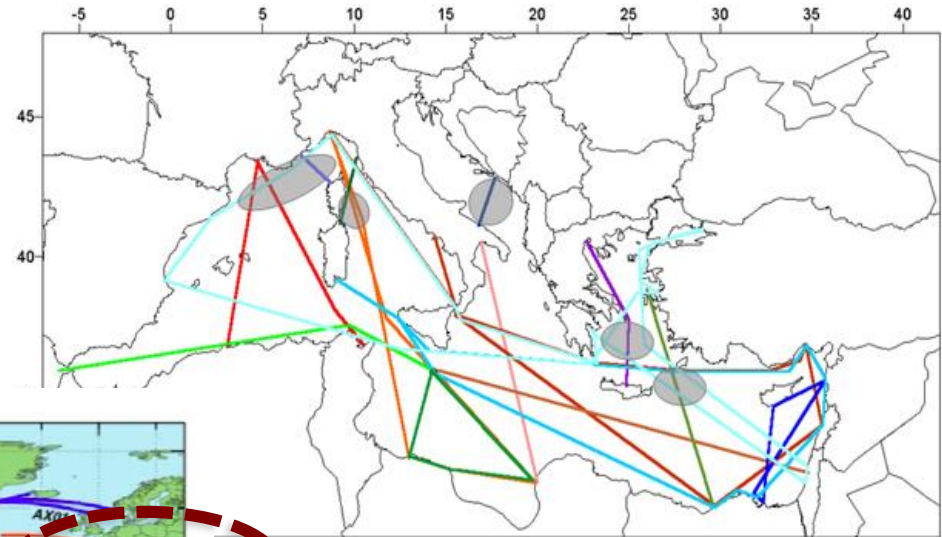
SEA
CHANGE
OUR OCEAN | OUR HEALTH



TransMED program



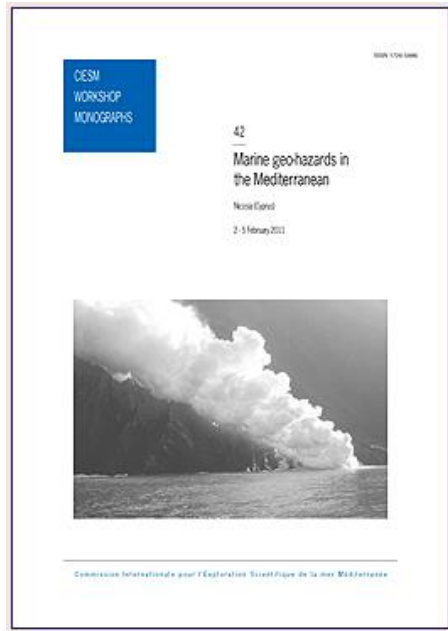
The Global Temperature and Salinity Profile Program (NOAA)



Automated and constant collection of data (every minute) using a sensor, and periodical transmission of data.



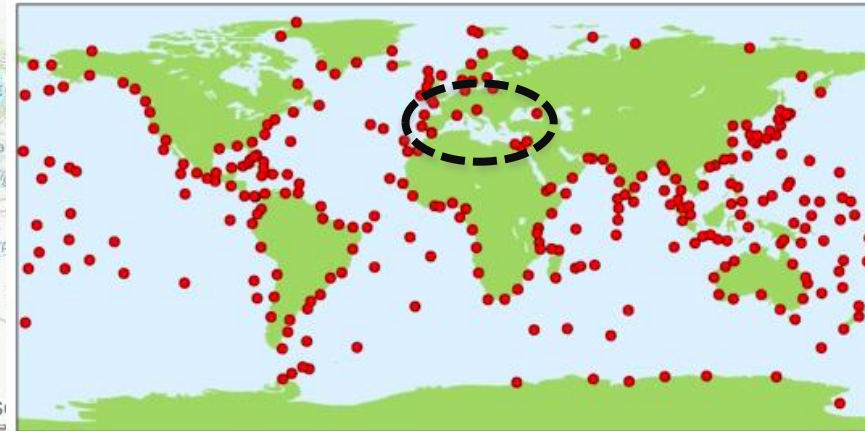
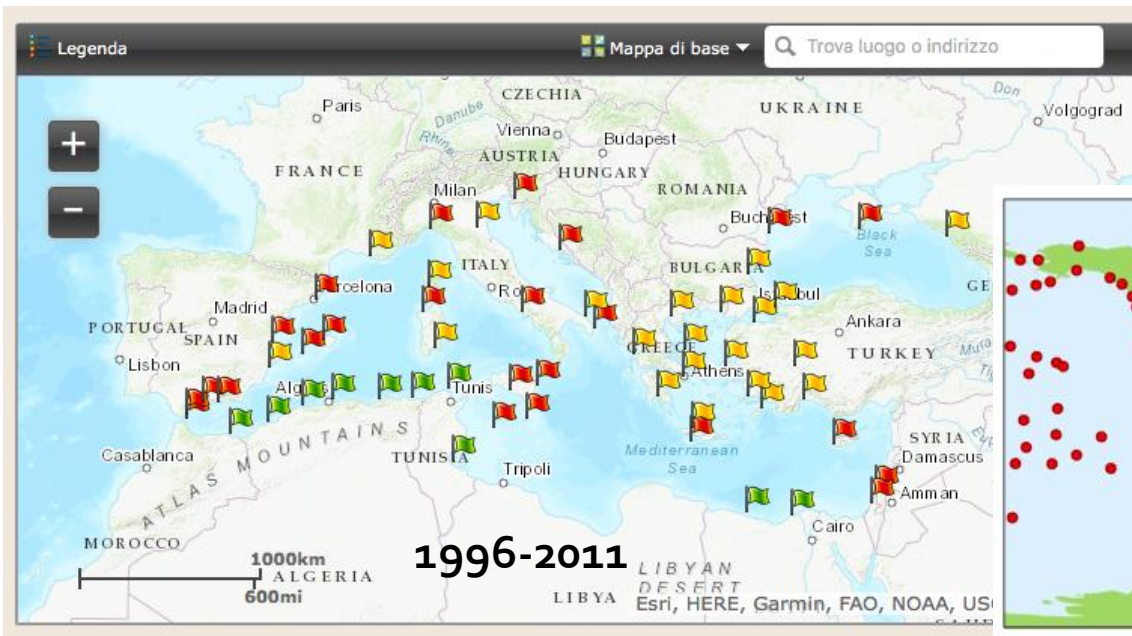
Sea level change



CIESM WK 42 – Marine Geohazard
in the Mediterranean
Nicosia, February 2011 - 192 pages

CIESM /IOC MEDGLOSS Program

<http://ciesm.org/marine/programs/medgloss.htm>



Data linked to:

- data from real time CGPS stations near them (for monitoring of the bench marks elevation or subsidence with time)
- wave data (incl. direction)
- wind data
- atmospheric pressure data



CIESM / MBSHC possible cross actions

Types of data

Ongoing presence/absence reporting

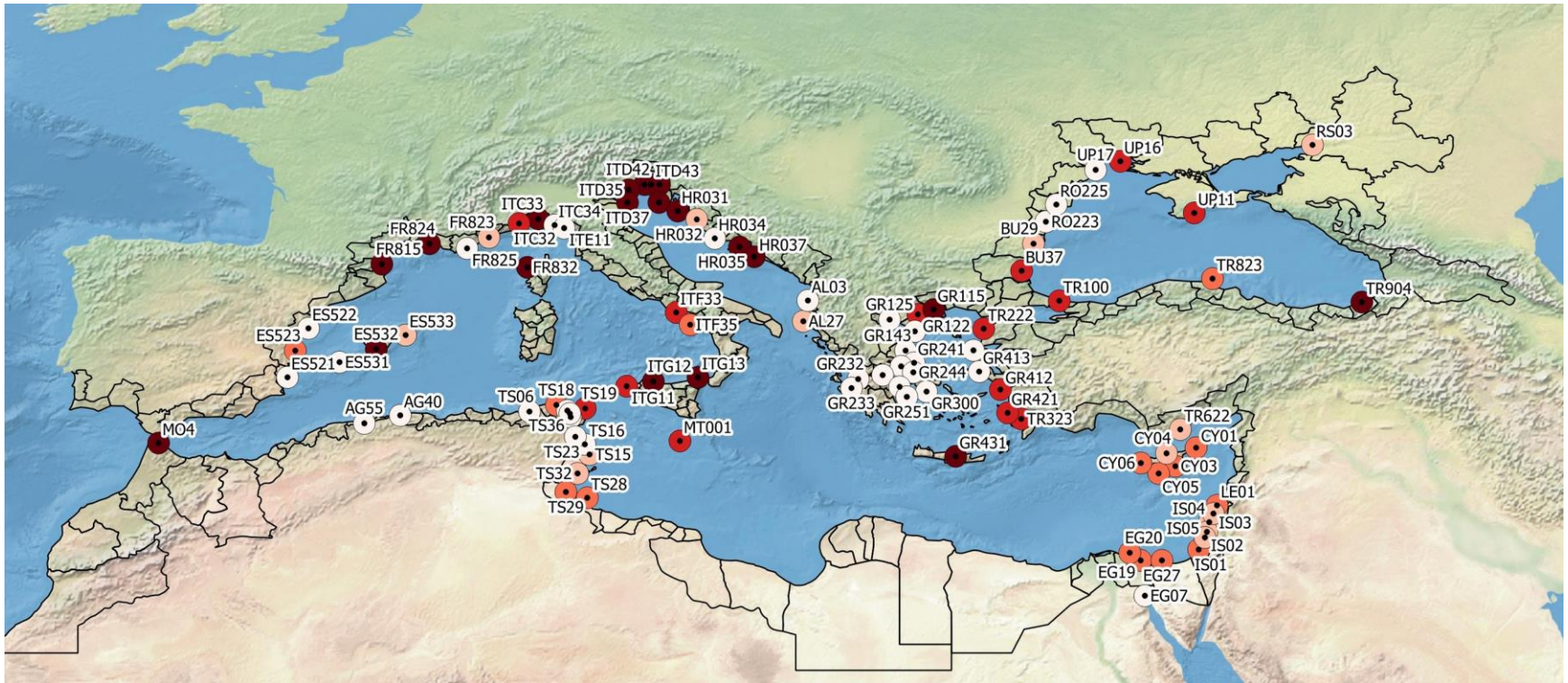
Organised snapshot records at set times and in set format

Chance sightings ideally with photographic evidence

Toward an increased spatial and temporal transect-based sampling



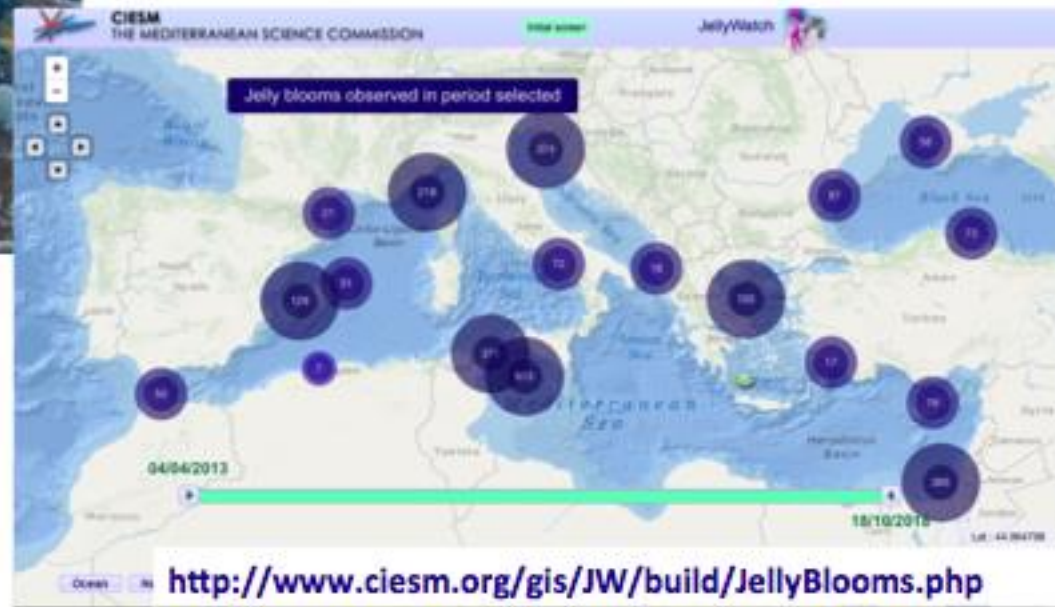
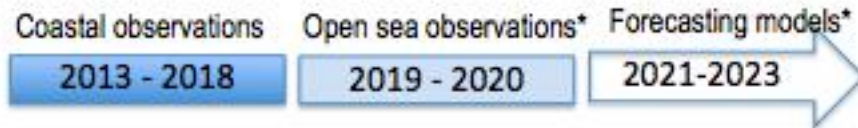
JellyWatch network





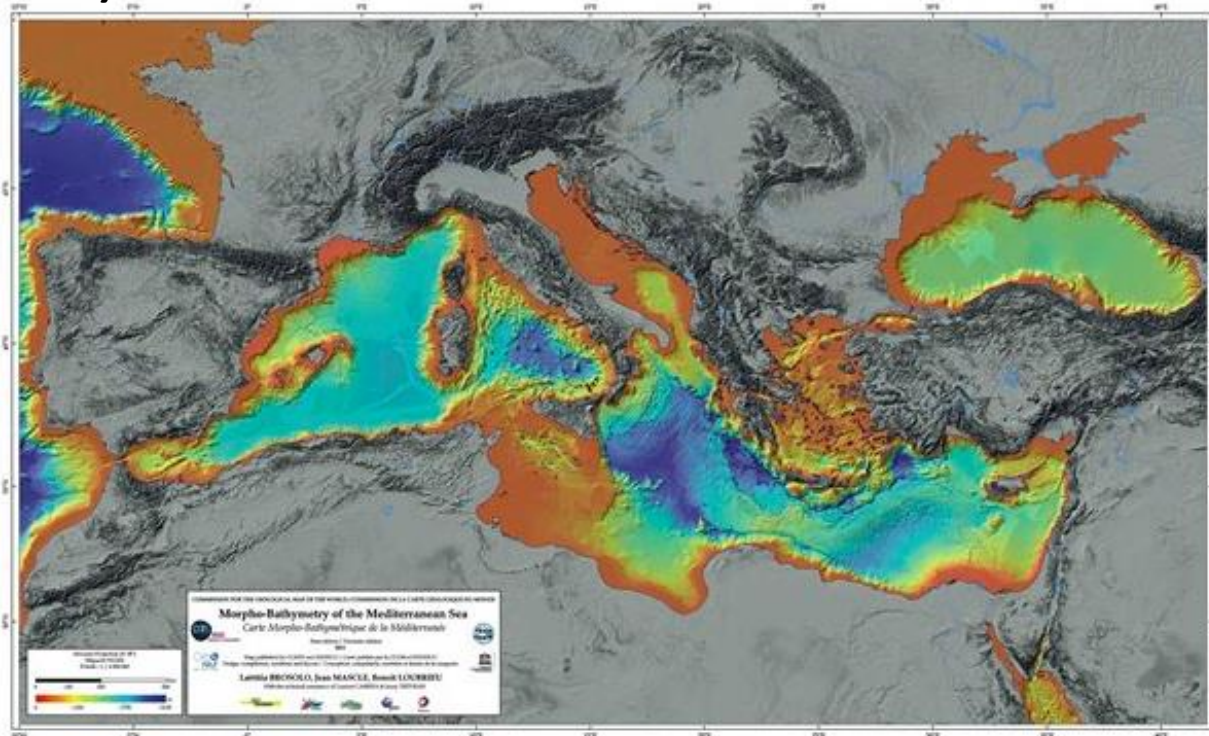
JellyWatch program

Towards '*Jelly bloom*' forecast



CIESM morpho-bathymetric map

1 / 4 000 000 scale



CIESM & CCGM/CGMW (UNESCO)

(1) Unpublished records from various sources, *incl.* 3D seismic data from oil industry

(2) Bathymetric compilation of the Gulf of Cadiz

(3) EMODNET complementary data

(4) Back Sea data (EEC project Assemblages).

The resulting DTM, at 500 m, has been mixed with a DTM at 1500 m from the GEBCO, and the onshore surrounding topography as extracted from SRTM 33'' (Shuttle Radar Topography Mission, NASA) with a DTM at 90 m.

MSR and UNCLOS in the Med

Consent in normal circumstances



MSR and UNCLOS in the Med

25 Consent in normal circumstances vs. jurisdictional dispute over specific areas



MSR and UNCLOS in the Med

25

Consent in normal circumstances vs. jurisdictional dispute over specific areas



WHICH ADDRESS?

MSR and UNCLOS in the Med

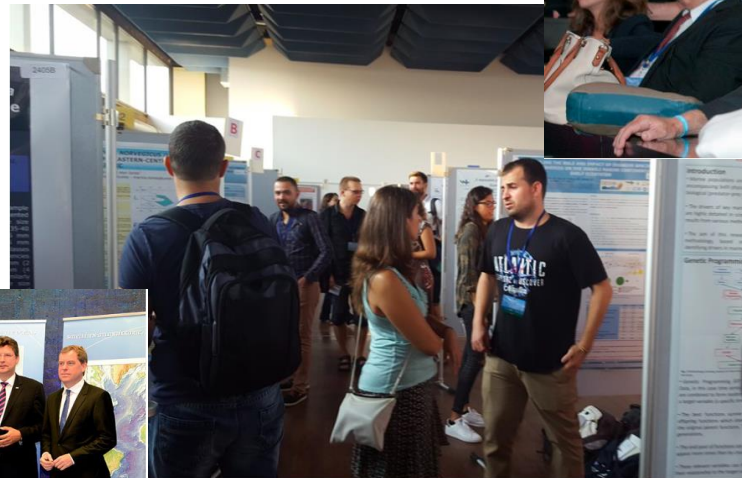
MSR NEED: Nautical charts of “areas under jurisdictional dispute”





CIESM Congress

Meeting science





CIESM Congress – the next edition

Cascais (PT), 7-11 October 2019



Marine Exploration and
New Science Frontiers

Friday, 11 October : 14h45 – 17h00

From Magellan to the new marine cartographic frontiers

Exploration of the future hydrographic goals

Rear Admiral Luigi Sinapi

Istituto Idrografico della Marina, Genova, Italy



