CIESM history

100 years of research and capacity building

From 7...
Founders: Egypt, France, Greece, Italy, Monaco, Spain, Tunisia

...to 23 Member Countries
CIESM structure & governance

Over 500 Institutes from 32 Countries

- Board
- Advisory Committee
- CIESM HQ
- Science Council
- Programs coordinators

C1 - MARINE GEOSCIENCES
- human records of geological evolution
- turbidite systems - deep sea fans
- mud volcanoes
- erosion Rittorale
- impact of small Med rivers
- gelatinous zooplankton outbreaks
- scientific design MPAs

C2 - PHYSICS & CLIMATE OF THE OCEAN
- Mesoscale processes
- East Mediterranean Transient

C3 - MARINE BIOGEOCHEMISTRY
- metal & radionuclides bioaccumulation
- surface microlayer
- contaminants & pathogens
- ecology of marine viruses
- fate of DOM

C4 - MARINE MICROBIOLOGY
- exploring Med. deep-sea biology
- Med. biological time series
- alien marine organisms
- investigating migratory spp

C5 - LIVING RESOURCES & MARINE ECOSYSTEMS
- exploring Med. deep-sea biology
- Med. biological time series
- alien marine organisms
- investigating migratory spp
CIESM (triennial) Congress
Meeting science

Trends in the gender ratio of participants


5% 21% 34% 51% 52% 58%

Last (the 42nd), Portugal, October 2019
CIESM Research Programs

Physical forcing
- Hydrochanges – T, S deep waters
- MedGloss – sea level

Impacts on biodiversity & ecosystem function
- Introduced species
- JellyWatch
- Large migratory species
- Bacterial pathogens

Chemical forcing
- Musselwatch – chem. contaminants

Biotechnology
- Medical
  - Microbial Epigenetics
- Maritime
  - BMWS
HYDROLOGICAL DATA

CIESM temporal series (22 years)

Up to 10X higher than the global ones

Affecting the whole water column

http://www.ciesm.org/marine/programs/hydrochanges.htm
Among the highest rates of exotic species invasions worldwide

Growing impact on endemic species

http://www.ciesm.org/online/atlas/index.htm
More and more diversified and persisting jelly blooms

http://www.ciesm.org/marine/programs/jellywatch.htm
CIESM contribution to knowledge

Sharing scientific information
Free-access to data (under demand) for CIESM Member States
Facilitating science-policy exercises
Gathering MED marine researchers around joint observation efforts