REMARCO

REd de Investigación de Estresores MARinos - COsteros en Latinoamérica y El Caribe Research Network on Marine-Coastal Stressors in Latin America and the Caribbean



Leader: Dr. Eddy H. Gómez-Ramírez University of Costa Rica

Presenter: Prof. Joan-Albert Sanchez-Cabeza Institute of Marine Sciences and Limnology, UNAM





https://remarco.org/

Science and communication network, composed of 18 countries in Latin America and the Caribbean.

The Network addresses the challenges and vulnerabilities of the marine-coastal ecosystems of LAC, through the work of interdisciplinary teams made up of scientists, specialists and communicators from the different countries.







Science and communication cooperation network, composed of 18 countries in Latin America and the Caribbean.







Through the IAEA Regional Technical Cooperation Project RLA7025 "Strengthening Capacities in Marine and Coastal Environments Using Nuclear and Isotopic Techniques" the REMARCO network is strengthened,

Goals are set to improve **regional capacities** to implement science-based strategies and policies for the conservation and sustainable management of coastal zones and marine resources in LAC.



Sustainable Development Goals (SDGs)

• Target: national reports on SDG indicators 14.1.1: Index of **coastal eutrophication** (and floating plastic debris density).







Results to be achieved

Monitoring programmes with harmonized protocols

Acquisition of **equipment** for sampling and analysis



Compile **data** in a Regional Repository

Communication strategy to present results to decisionmakers and stakeholders









Regional capabilities

- Temperature, salinity, dissolved oxygen.
- Carbonate system.
- Nutrients.
- Chlorophyll-a.
- Satellite images.

Proposed pilot study sites

 C_{2}

- Argentina.
- Colombia:
 - 30 monthly stations
 - 1 buoy (2017-2019)
- Costa Rica.
- Cuba:
 - Cienfuegos Bay.
 - 25 4-month stations.
- México:
 - 10 monthly stations (since 2017)







Some data from Mexico







Profiles (station 1)

Chlorophyll-a [micro-g/L]



Transects (sea -> lagoon)

Chlorophyll-a [micro-g/L]







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