



Centro de Investigación en Ciencias del Mar y Limnología I UCR

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Funded by
the European Union



2021
2030 United Nations Decade
of Ocean Science
for Sustainable Development



**MERCATOR
OCEAN**
INTERNATIONAL



CENTRO DE INVESTIGACIÓN EN
CIENCIAS DEL MAR
Y LIMNOLOGÍA

University of Costa Rica

*“46 years of aquatic research”
1979-2025*

UCR

For what we researching?

We generate knowledge for the conservation, protection and rational use of aquatic resources



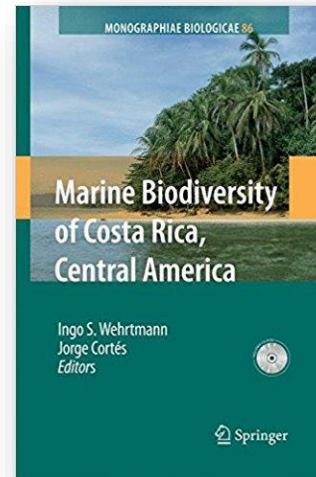
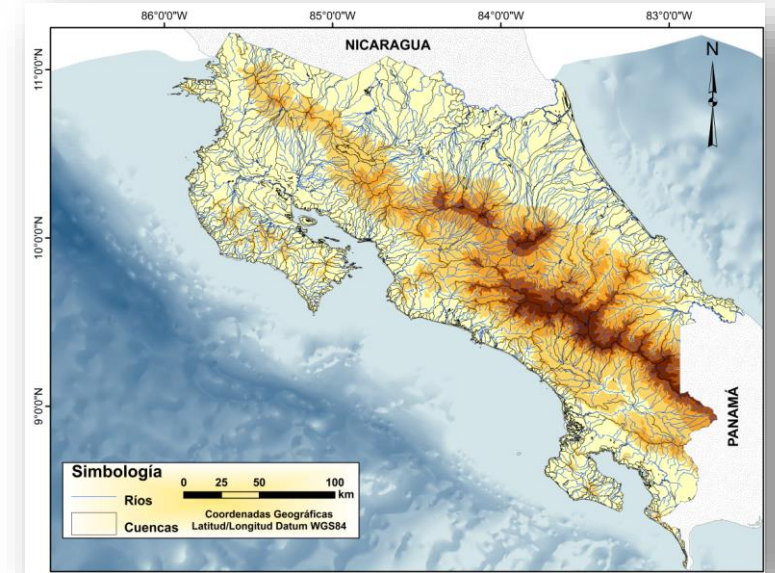
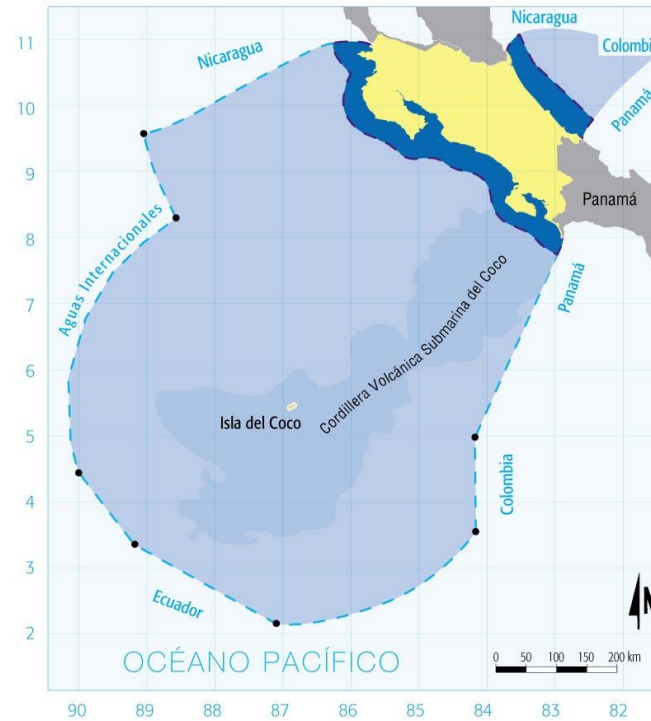


598,000km² sea surface in
the Pacific ocean and
Caribbean Sea (92% total
surface)

+6.778 marine species :

+4,745 Pacific - **+2,321**
Caribbean

3.5% of the world marine
biodiversity



18 watersheds

600 Bodies of water and reservoirs

+ 8000 aquatic species

CIMAR

2025

90 projects

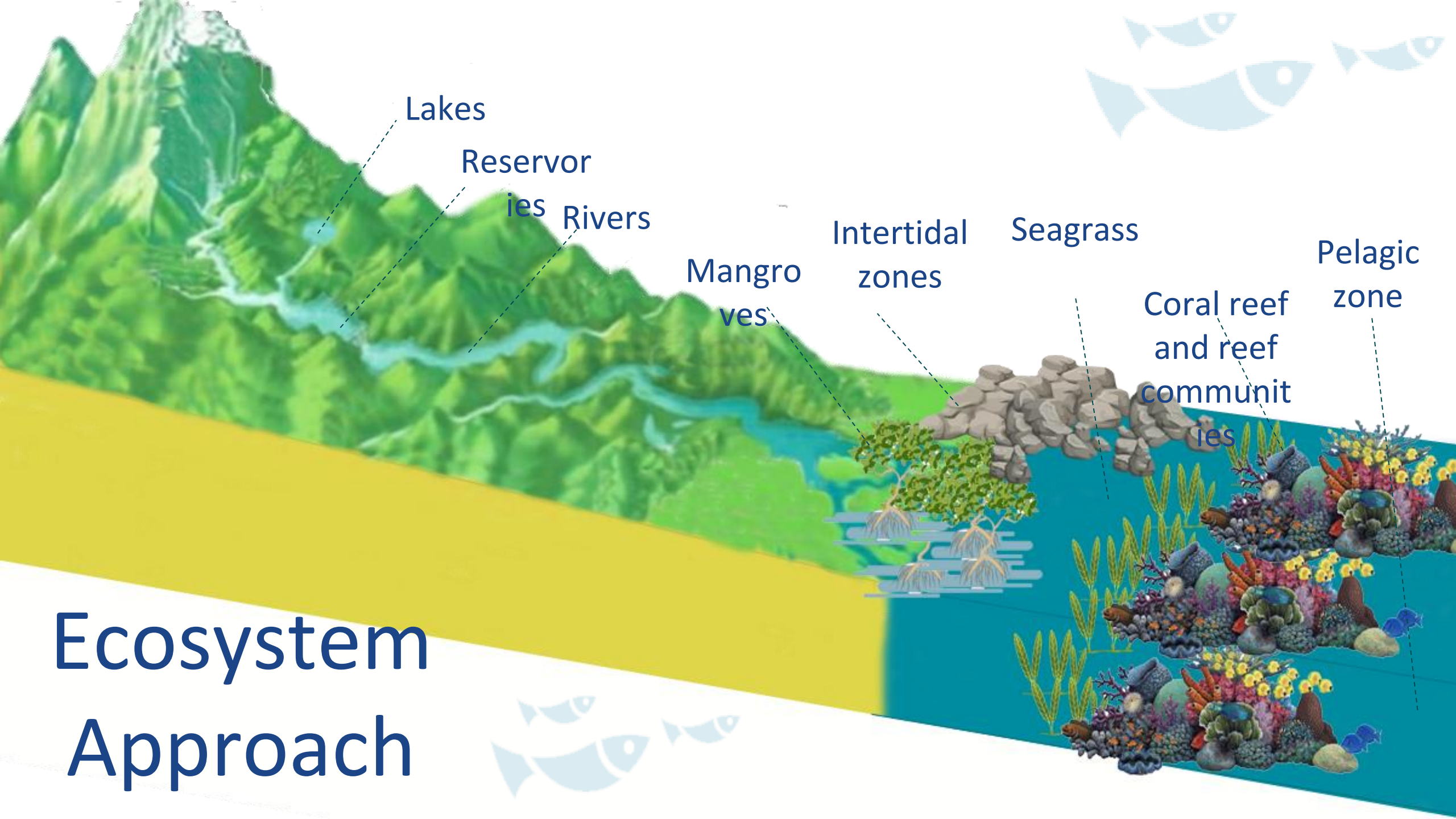
22 Researchers

50 Research assistants

8 Administrative staff

4 vehicles, 6 inflatable boats – 1
embarcation





Lakes

Reservoirs

Rivers

Mangroves

Intertidal zones

Seagrass

Coral reef and reef communities

Pelagic zone

Ecosystem Approach

International Cooperation:

Priority action for
CIMAR since its
foundation

^ U. Delaware / U. Maryland

^ U. Washington / U. Rhode Island

^ U. Southern California / U. Miami

^ U. Oregon / U. Toledo

^ UNAM / CIBNOR / ECOSUR

^ U. de la Rochelle – Niza-Brest- Francia ^ Marine Station of Coiba -Panamá

^ U. Bremen - Alemania

^ Scripps Institution of Oceanography (EEU)

^ Politechnic University of California

^ Academy of Sciences of California

^ STRI (Smithsonian Institution)

^ País Vasco - Cádiz – Valencia – Barcelona

^ Italy/ National Council for Research,



International Cooperation:

Priority action for
CIMAR since its
foundation

Agencies, NGO, Foundations

Λ JICA - Japon
EEUU

Λ Jans Foundation -

Λ SIDA / SAREC – Sweden
Grant - EEUU

Λ International Sea

Λ COI - UNESCO

Λ CRUSA

Λ IOCARIBE - COI

Λ CYTED

Λ CARICOMP

Λ AECID

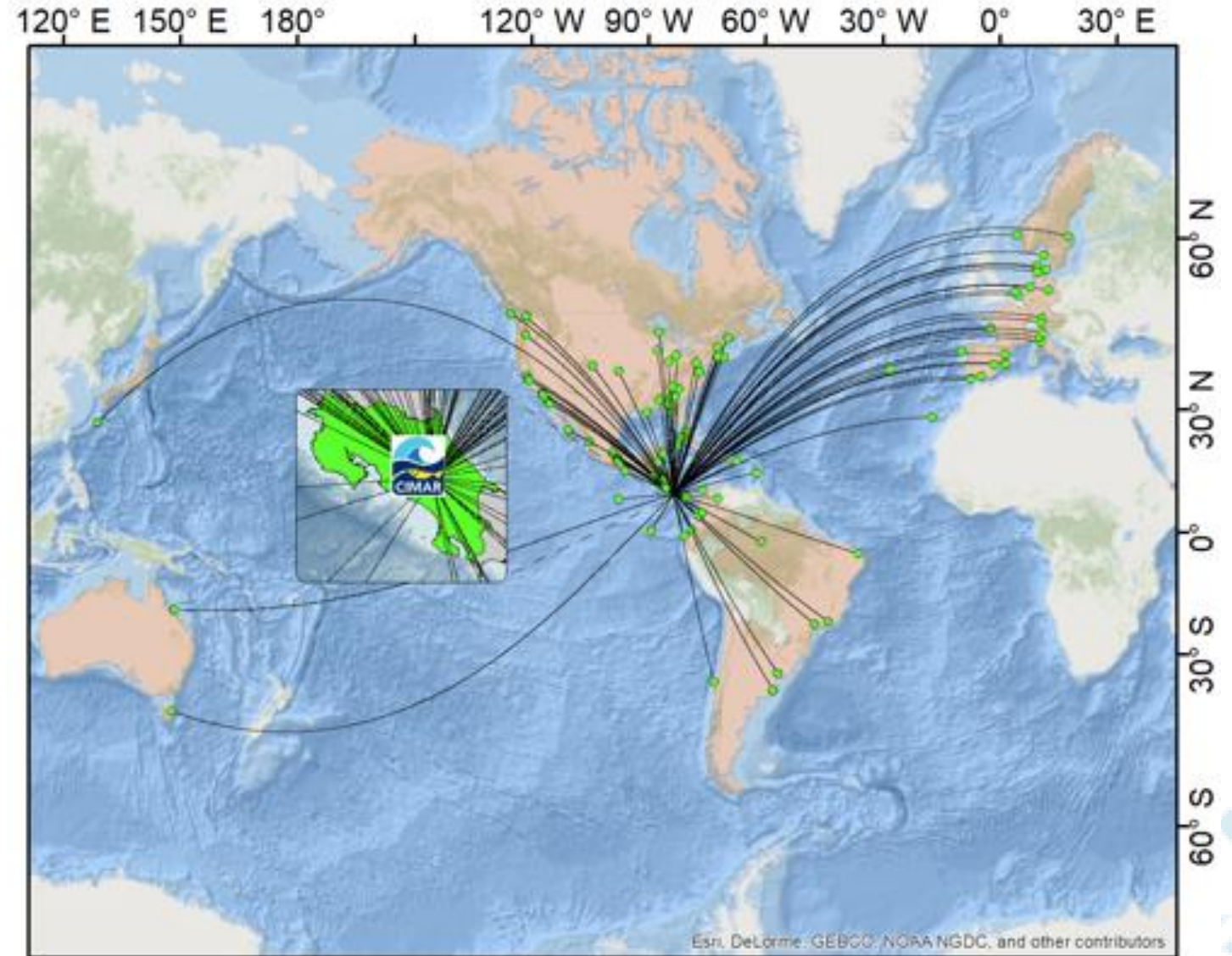
Λ AID - NSF - EEUU
Agency for Atom Energy

Λ International

Λ Internacional Conservation



International Cooperation: Academic visitors network



Research Fields

Global Change **Ocean Acidification**

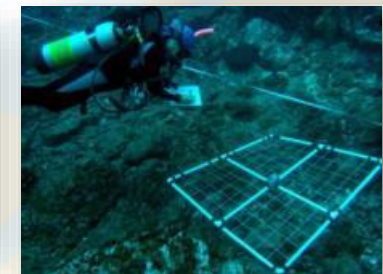
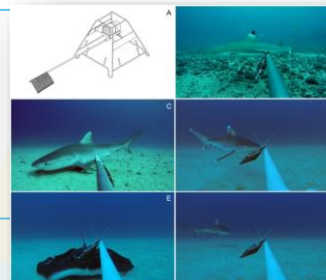
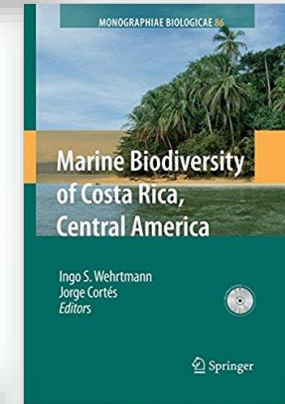
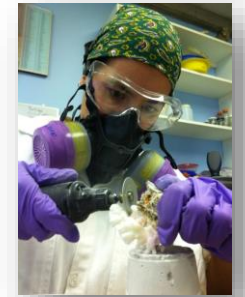
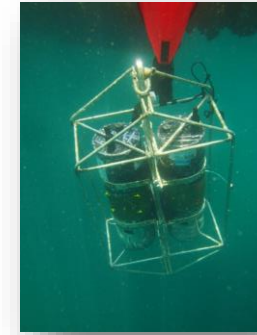
Integrated Coastal Management

Aquatic Biodiversity

Coastal Pollution: Microplastics,

Eutrophication, HAB's
Geographic Information

Systems
Marine Ecology and





Research fields



Assessment, management and modeling fish stocks

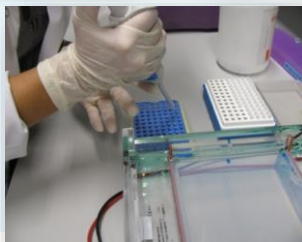
Limnology and Biomonitoring



Ocean-atmosphere dynamic



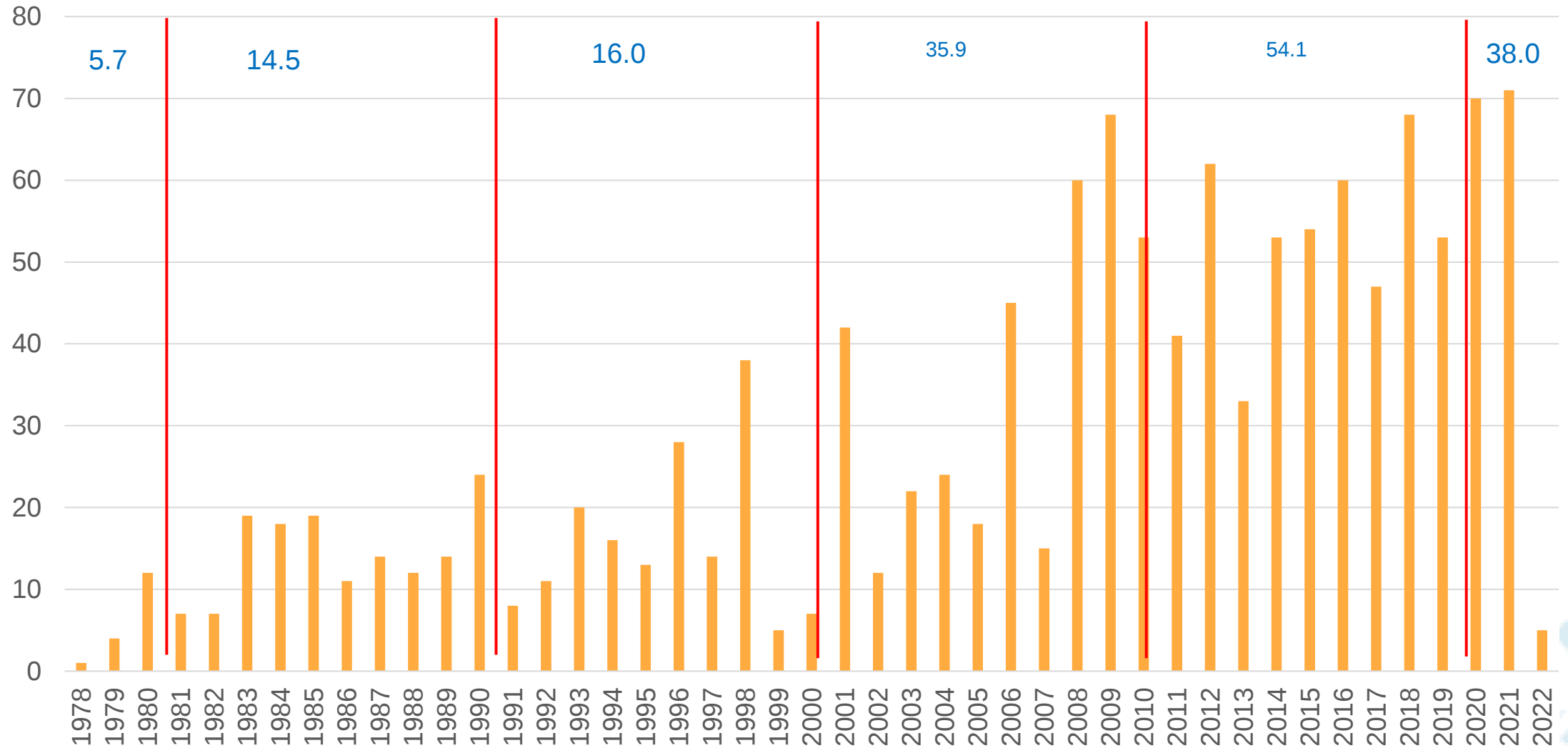
Microalgae biotechnology



Genetic and Molecular Biol. Aquatic Organisms

Publications / year

TOTAL: 1450 publications (January 2025)



Future research fields

- Deep Sea
 - Trophic relationships
 - Organisms Interactions
 - Restoration coastal marine ecosystems
-
- Acoustic Oceanographic
 - Stable Isotops
 - Marine Microbiology
 - Remotely Operated Vehicles (ROV)



Foto: T. Villalobos



CENTRO DE INVESTIGACIÓN EN CIENCIAS DEL MAR Y LIMNOLOGÍA



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Predicción Oceánica para Costa Rica

MUCHAS GRACIAS



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