



Centro de Investigación en Ciencias del Mar y Limnología | UCR

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Profesor catedrático y Subdirector



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



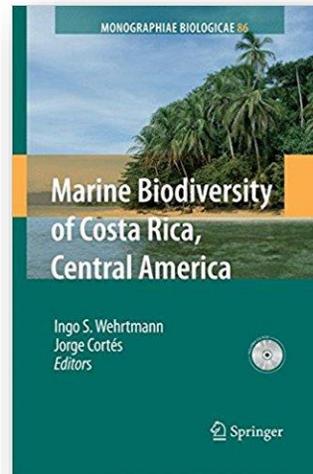
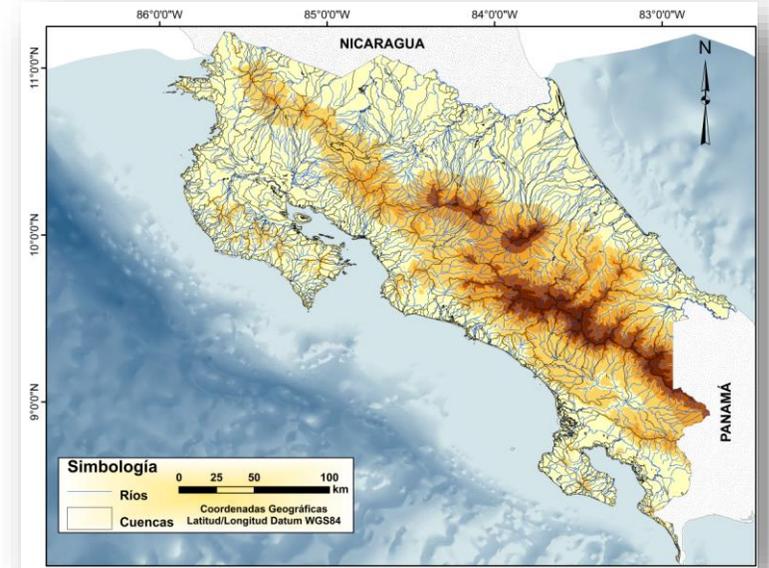
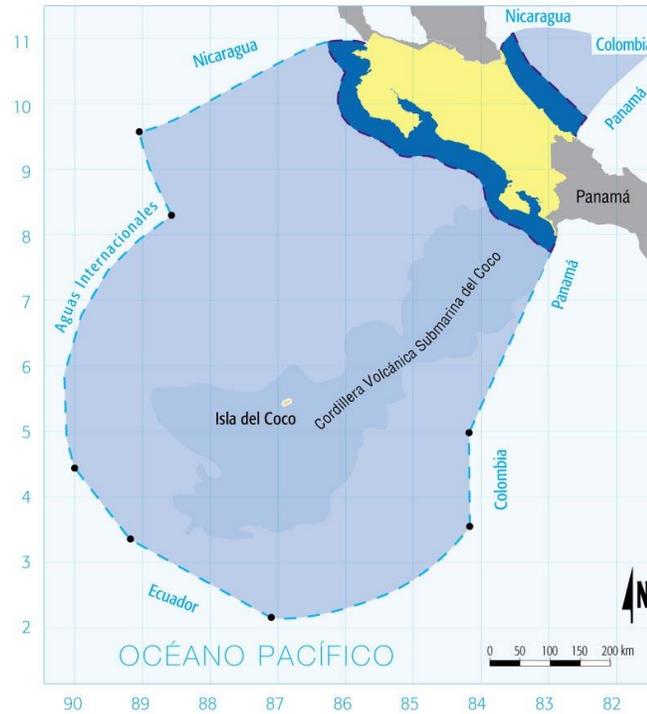


598,000km² sea surface in the Pacific ocean and Caribbean Sea (92% total surface)

+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

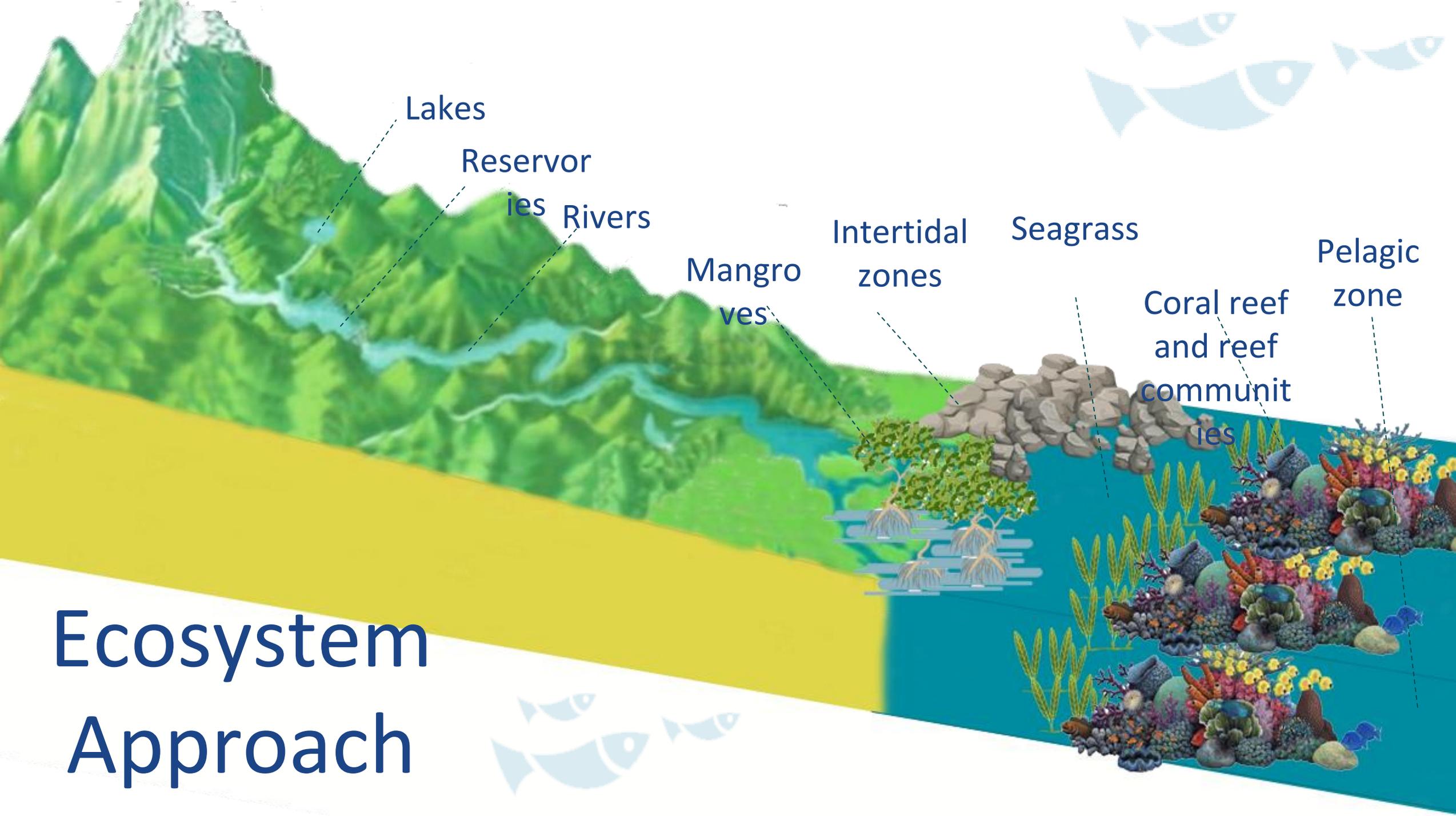
22 Researchers

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 (EEUU)

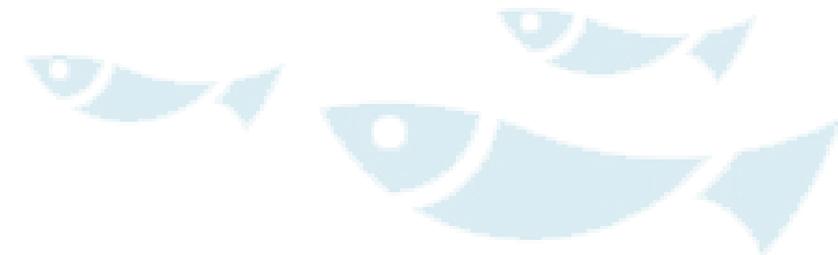
^ Politecni University of California

^ Academy of Sciencis 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

^ JICA - Japon
EEUU

^ SIDA / SAREC – Sweden
Grant - EEUU

^ COI - UNESCO

^ IOCARIBE - COI

^ CARICOMP

^ AID - NSF - EEUU
Agency for Atom Energy

^ Internacional Conservation

^ Jans Foundation -

^ International Sea

^ CRUSA

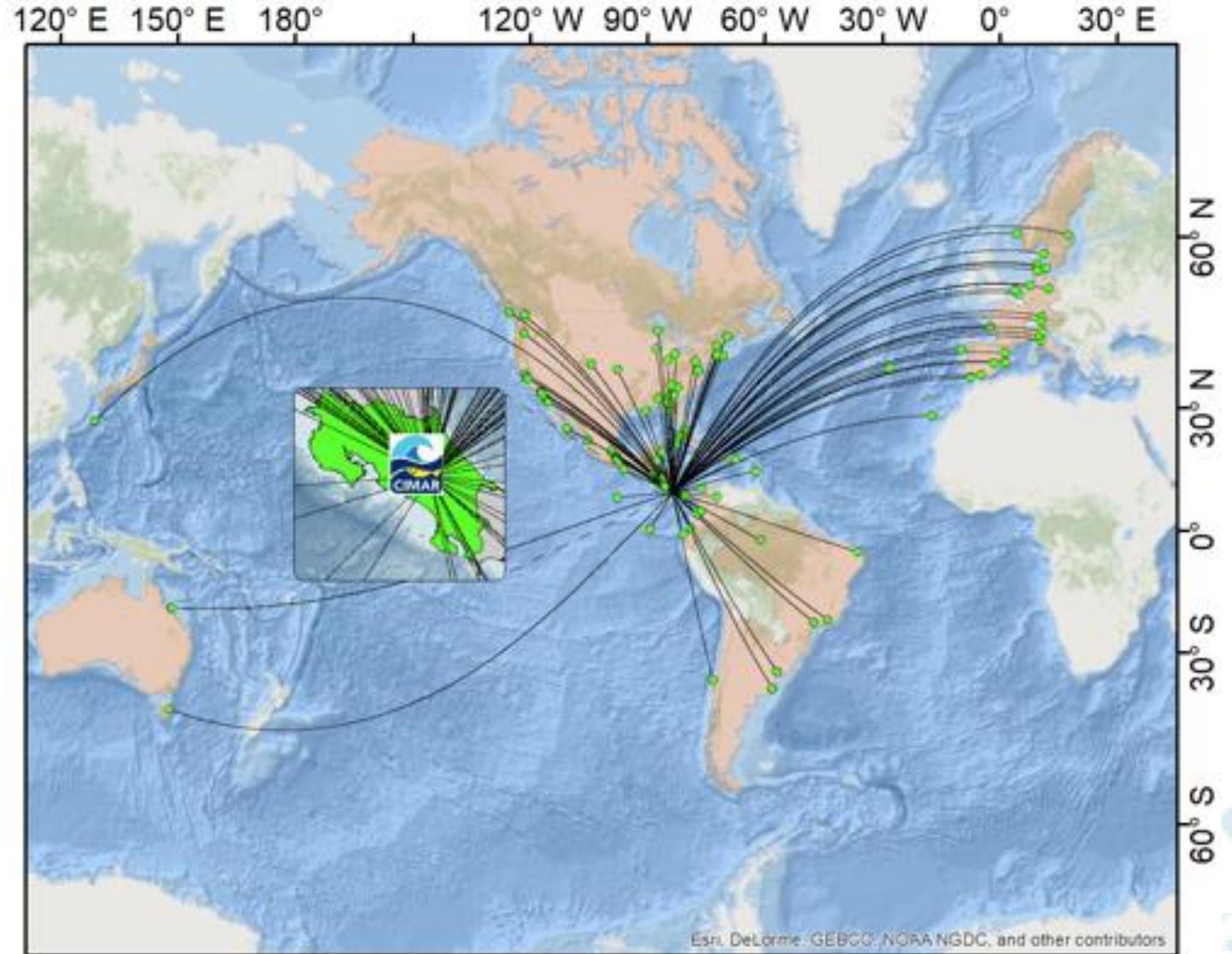
^ CYTED

^ AECID

^ International

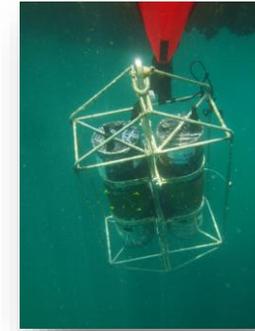


International Cooperation: Academic visitors network

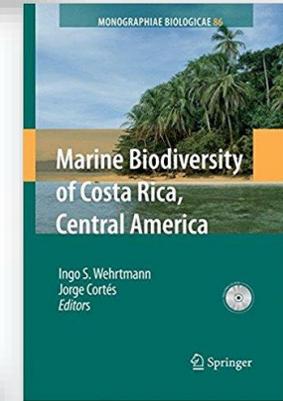


Research Fields

Global Change **Ocean Acidification**



Integrated Coastal Management

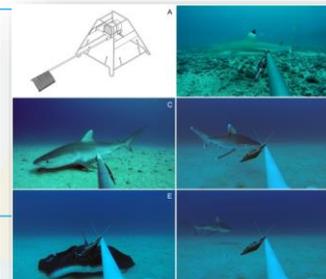


Aquatic Biodiversity



Coastal Pollution: Microplastics,

Eutrophication, HAB's
Geographic Information



Systems
Marine Ecology and





Research fields



Assessment, management and modeling fish stocks

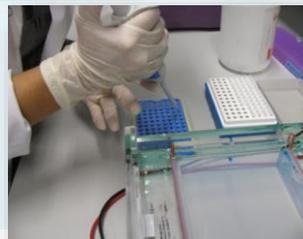
Limnology and Biomonitoring



Ocean-atmosphere dynamic



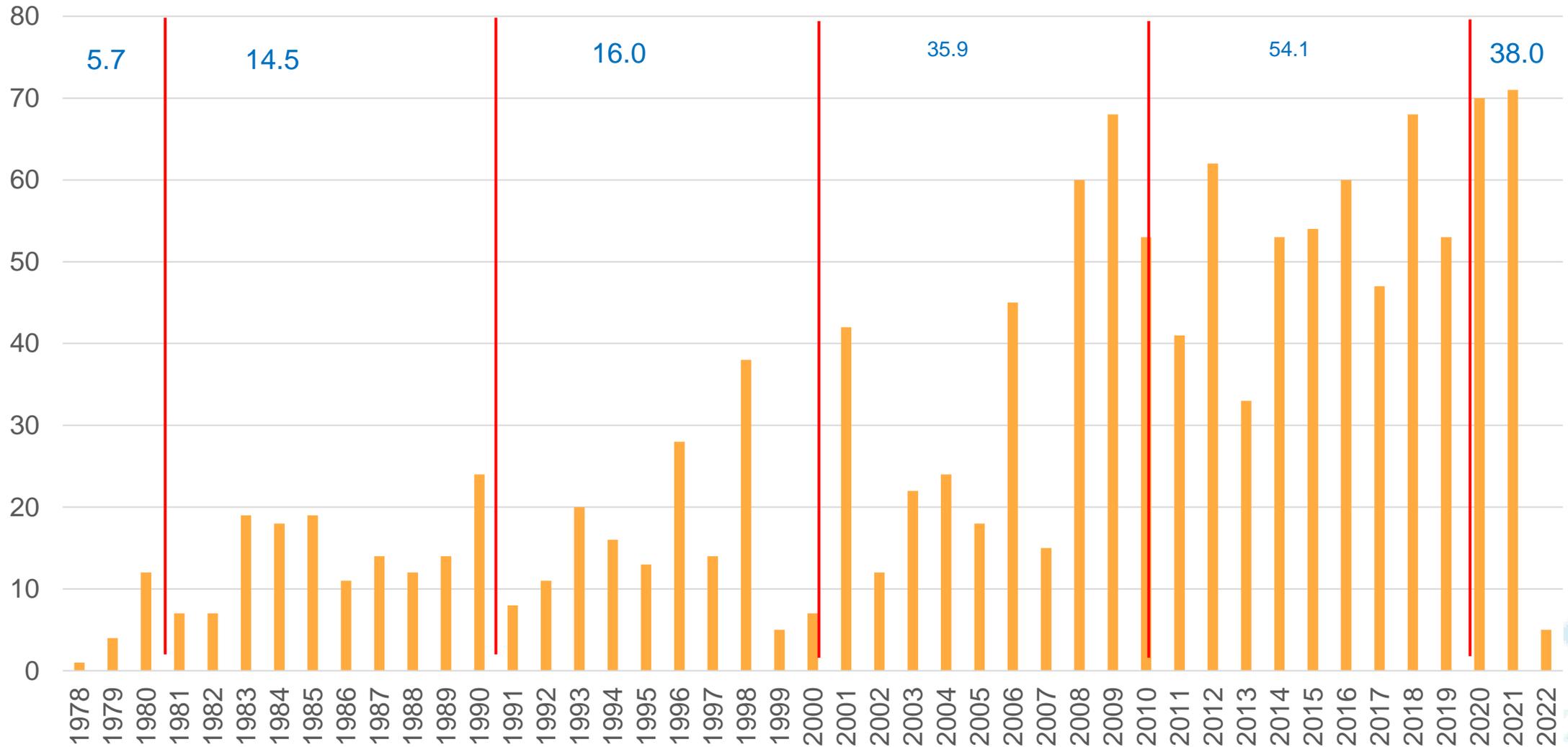
Microalgae biotechnology



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)

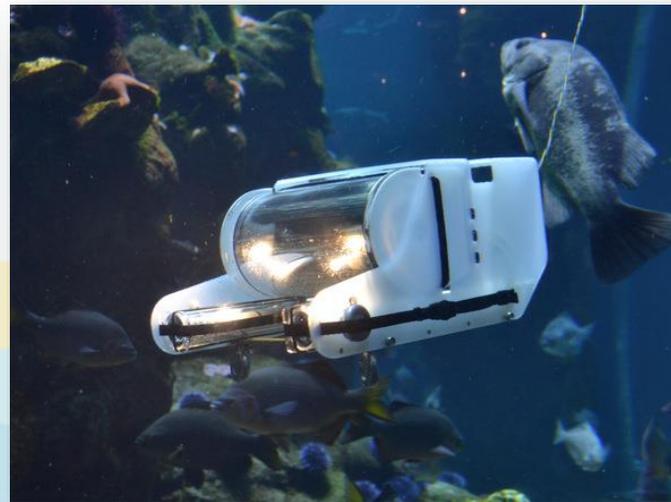


Foto: T. Villalobos



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@CIMARUCR

The screenshot shows the Facebook page for CIMAR, UCR. The page header includes navigation links: Página, Mensajes, Notificaciones, Estadísticas, Herramientas de publicación, Configuración, and Ayuda. The main content area features a post with a video thumbnail showing coral reefs and a sign that reads "FAVOR NO TOCAR" (Please do not touch). The post has 20,620 people reached and 249 likes. The left sidebar contains a menu with options: Inicio, Información, Fotos, Me gusta, Eventos, Videos, Publicaciones, Servicios, Tienda, Grupos, Notas, and Ofertas. The right sidebar shows a list of pages that like this page, including Asociación PRETOMA, Mission Blue, NOAA Ocean Acidification Pr..., Undersea Hunter Group, Fundación UCR, and Bocas del Toro Research Station. The bottom of the page includes a footer with language options (Español, English (US), Português (Brasil), Français (France), Deutsch) and a copyright notice for Facebook © 2017.



Predicción Oceánica para Costa Rica
MUCHAS GRACIAS



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