



2021 United Nations Decade
2030 of Ocean Science
for Sustainable Development

Building global knowledge of marine life for local action



Marine Life Family of Programmes:
Marine Life 2030, SUPREME,
OBON, OARS, SMARTNET, DOOS,
Challenger150, ECOPS,
Maritime Acoustic Environment...

<https://MarineLife2030.org>

Why Marine Life 2030?

People depend on biodiversity —
It is the heart of healthy ecosystems

\$373 billion

Contributed by ocean industries
to world economy in 2018

1 billion people

In developing countries depend
on fish for their primary source
of protein

350 million jobs

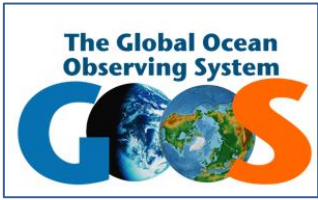
Are linked to the ocean



Why Marine Life 2030?

... yet marine life
is the missing link in Ocean Observing and is one of
the hardest things to forecast

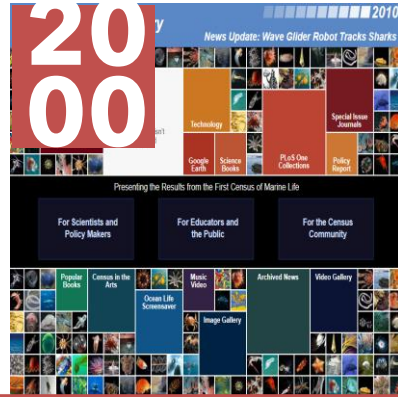
(...biodiversity, abundance, distribution, productivity,
species interactions, ecosystem services...)



GOOS

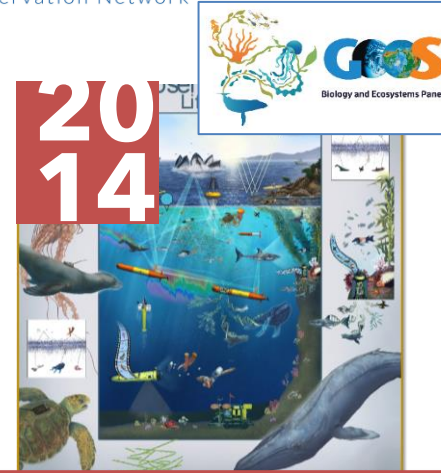


IOC, WMO, UNEP, ISC
Deliver information essential for sustainable development, safety, wellbeing and prosperity



CoML

A DECADE OF DISCOVERY
2,700 scientists, 80+ nations
540 expeditions
US\$ 650 million (AP Sloan Fn)
6,000+ potential new species
47 million distribution records



MBON



GEO, GEO BON, GEO Blue Planet, NOAA/IOOS, NASA, BOEM, NOPP
To standardize and integrate data to understand marine biodiversity and ecosystem functions

GOOS Biology and Ecosystems



ML2030

Partnership: MBON, GOOS/IOOS, OBIS, WCMC, others. **Vision:** Transform observation and forecasting of marine life for the benefit of all people

OBON, OARS, SMARTNET, DOOS, SUPREME, ECOPS, Challenger150, Maritime Acoustic Environment, ForeSea,...



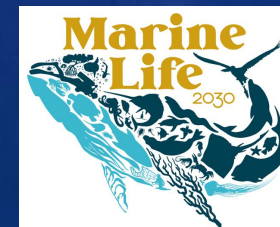
GOALS OF MARINE LIFE 2030

- Network people to deliver knowledge of ocean life
 - Including Ocean Decade programs, projects, activities (SUPREME, ForeSea, OBON, OARS, SMARTNET, DOOS, ECOPS, Challenger150, Maritime Acoustic Environment,...)
- Link to and build on GOOS, MBON, OBIS, Ocean KAN, other programs
- Address Ocean Decade Challenges 2, 9, 10
 - (2) Understand ecosystem stressors, develop solutions
 - (9) Capacity development
 - (10) Understand value and ecosystem services
- Provide opportunities for engagement in the Ocean Decade



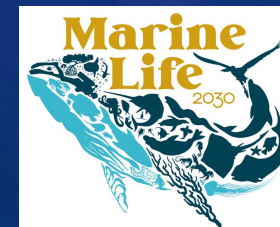
ACTIVITIES

- Co-design with stakeholders
- 17 endorsed projects (<https://marinelife2030.org/affiliated-projects/>)
- Over 160 volunteers
- Links to Ocean Decade programs
 - ForeSea, DITTO, GOOS co-design, OARS, OBON, SUPREME, etc.
- Coordination with Ocean KAN, MBON, NOAA, international partners
- Organize meetings
 - e.g., World Conference on Marine Biodiversity: 2-5 July Malaysia



Marine Life 2030 *and* ForeSea/OceanPredict Collaborations

- Explain benefits of forecasting marine life
- Define data requirements
- Define data formatting, data management requirements
- Define model requirements
- Implement models to solve particular problems (science, management)



Join us

<https://MarineLife2030.org>

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[Marine Life 2030 - YouTube](#)

