Table of Contents

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title = {The GEF and Oceans: Sustaining Healthy Marine Ecosystems},
journal = {theGEF},
volume = {},
issue = {},
pages = {24},
year = {2025},
isbn = {978-1-959919-02-5},
doi = {},
url = {https://www.thegef.org/newsroom/publications/gef-and-oceans-sustaining-healthy-marine-ecosystems},
author = {},
keywords = {},
abstract = {The GEF includes several multilateral funds working together to address the planet’s most pressing challenges in an integrated way. GEF financing helps developing countries address complex challenges and work toward meeting international environmental goals. Since its inception, the GEF has mobilized the strength of its partnership to drive and support the conservation and sustainable use of the ocean.
The GEF is playing an important role in advancing innovative financial tools to bolster the resilience of marine environments and the communities that rely on them. For example, through its Least Developed Countries Fund and Special Climate Change Fund, the GEF is providing essential seed financing to develop nature insurance products aimed at protecting and restoring vital marine ecosystems like coral reefs and mangroves.
All five of the GEF’s focal areas—international waters, biodiversity, chemicals and waste, climate change, and land degradation—are involved in sustaining healthy marine ecosystems. The diverse GEF projects and initiatives that impact the ocean contribute to innovation and lasting success.
This publication presents a snapshot of a large and successful portfolio of projects supported by the Global Environment Facility that employ nature-based solutions, foster sustainable coastal livelihoods, protect marine
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@article{UNOCM,
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issue = {},
pages = {1-10},
year = {2016},
issn = {0964-5691},
doi = {https://doi.org/10.1016/j.ocecoaman.2016.09.001},
url =
{https://www.sciencedirect.com/science/article/pii/S0964569116301880?via%3Di
hub},
author = {Marta Pascual, Marisa Rossetto, Elena Ojea, Nataliya Milchakova,
Sylvaine Giakoumi, Salit Kark, Darya Korolesova, Paco Melia},
keywords = {Impact assessment, Marine Protected Areas (MPAs), Mediterranean
Sea, Black Sea, Social perceptions},
abstract = {The socioeconomic implications of Marine Protected Areas (MPAs)
and perceptions of stakeholders on
MPA impacts are important to consider when designing, implementing, and
managing MPAs. However,
the currently available knowledge about these areas and especially of
stakeholder perceptions is scarce
and limited to restricted geographic areas. The present study aims to
address this gap by examining these
factors in the Mediterranean and Black Seas using an extensive literature
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review and an online survey
approach. We collated and examined a total of 208 published studies on
socioeconomic impacts of MPAs
and marine uses. We found that for fishing, the socioeconomic impacts of
MPAs were generally perceived
as negative for industrial fishing and positive for artisanal fishing. In
the online survey, we collected ca.
100 responses and found that stakeholder perceptions on the impacts of MPAs
differ across sectors and
regions. Industrial fishing was perceived as being negatively impacted in
the Black Sea, while most respondents from the Mediterranean Sea were
neutral in their responses relating industrial fishing and
MPAs. The impact of MPAs on artisanal and recreational fishing was generally
viewed as neutral by
respondents from the Black Sea, whereas most Mediterranean respondents
indicated a positive impact of
MPAs. We also found that perceptions of the major threats to MPAs differed
across the Mediterranean
and the Black Sea. Responses from the Black Sea were systematically shifted
towards a more negative
perception of threats to MPAs compared to those from the Mediterranean Sea.
Illegal fishing and other
illegal activities were considered to be the most relevant threats to MPAs
by stakeholders in both regions.
The mismatch found between evidence of MPA effectiveness and impacts from
the scientific literature
and the results of our survey suggests that within the framework of maritime
spatial planning and
ecosystem-based management, effective MPA planning should be informed by
multiple sources across
regions.}
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title = {Guidelines for conserving connectivity through ecological networks
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isbn = {978-2-8317-2052-4},
doi = {https://doi.org/10.2305/IUCN.CH.2020.PAG.30.en},
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author = {Jodi Hilty and Graeme L. Worboys and Annika Keeley and Stephen
Woodley and Barbara Lausche and Harvey Locke and Mark Carr and Ian Pulsford
and James Pittock and J. Wilson White and David M. Theobald and Jessica
Levine and Melly Reuling and James E.M. Watson and Rob Ament and Gary M.
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@misc{FOLPP2013,
  author = {{H Folpp}},
  title = {MEETING THE NEEDS OF FISHERIES ENHANCEMENT ECOLOGY WITH NOVEL MARINE ENGINEERING - A NEW APPROACH TO ARTIFICIAL REEFS},
  year = {2013},
  url = {https://www.coastalconference.com/2013/papers2013/Heath%20Folpp.pdf},
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@misc{FTCGreenGuides,
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  title = {{Green Guides}},
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  title = {{Environmental Claims: Findings and Conclusions of the OECD
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  title = {{What is the Blue Economy?}},
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@article{BRACHO2023,
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  author = {Bracho-Villavicencio, Carolina and Matthews-Cascon, Helena and
Rossi, Sergio},
  title = {{Artificial Reefs around the World: A Review of the State of the
Art and a Meta-Analysis of Its Effectiveness for the Restoration of Marine
Ecosystems}},
  journal = {Environments},
  volume = {10},
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  pages = {121},
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  url = {https://doi.org/10.3390/environments10070121}
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@article{BarXT,
author = {Bluerobotics},
title = {Bluerobotics BarXT},
url =
{https://bluerobotics.com/store/sensors-cameras/sensors/barxt-extended-subme
rsion-depth-pressure-sensors/},
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@article{PhProbe,
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title = {Atlas Scientific Ph Module},
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{https://atlas-scientific.com/embedded-solutions/surveryor-analog-ph-sensor-
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  author = {{NANUK}},
  title = {{NANUK-R 935 Pro Photo Kit}},
  year = {2026},
  url = {https://nanuk.com/products/nanuk-935-camera-case-pro-photo-kit},
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@misc{eva_foam,
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  title = {{What is EVA Foam and What Are Its Common Applications?}},
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{https://foamcreations.com/en/news/what-is-eva-foam-and-what-are-its-common-
applications},
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  author = {{Reef Ball Foundation}},
  title = {{Reefballorg, Curaçao Reef Ball Projects and Photos}},
  year = {n.d.},
  url = {https://www.reefball.org/album/curacao/slides/Reefballorg.html},
  note = {Accessed: 2026-05-14}
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@misc{biorockreef_indonesia,
  author = {{U.S. Fish and Wildlife Service Headquarters}},
  title = {{Biorock Reef Indonesia.jpg}},
  year = {2008},
  url =
{https://commons.wikimedia.org/wiki/File:Biorock_Reef_Indonesia.jpg},
  note = {Wikimedia Commons. Licensed under Creative Commons Attribution 2.0
Generic. Accessed: 2026-05-14}
}

@article{BioRocks,
  author = {Munandar and Mahendra and Rizal, Muhammad and Rani, Chair and
Faizal, Ahmad},
  title = {The escalation of coral growth by biorock technology applied in
Sabang marine ecotourism},
  journal = {AACL Bioflux},
  year = {2018},
  volume = {11},
  number = {5},
  pages = {1633--1647},
  url = {http://www.bioflux.com.ro/aacl},
  note = {Accessed: 2026-05-14}
}

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  author = {{Living Seawalls}},
  title = {{Design and Manufacturing}},
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  note = {Accessed: 2026-05-14}
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