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## Latest News and Resources for Ocean Planners and Managers

- [Study shows few downsides to incorporating climate change in ocean planning](#)
- [Researchers map ocean areas that can protect biodiversity, help fisheries, AND provide carbon benefits](#)
- [Most ocean use revenues go to small number of corporations](#)
- [New satellites will track global carbon and methane emissions](#)
- [Climate change already making equator too warm for many marine species](#)
- [In ~2025, lunar cycle will start accelerating sea level rise](#)
- [Scientists using dynamic modeling to forecast marine heatwaves](#)
- [Carbon emissions from bottom trawling similar to those of aviation industry](#)
- [Special issue of Parks Journal on protected area and COVID-19 pandemic](#)
- [Lack of thiamine disrupting some marine ecosystems](#)
- [Darkening of coastal waters could alter ecosystems](#)
- [Surface slicks provide critical nursery habitat for marine invertebrates and fish](#)
- [IUCN reclassifies additional 39 shark and ray species as threatened](#)
- [US NOAA launching model to predict rip currents up to six days in advance](#)
- [Scotland's floating wind farm outperforming wind farms closer to shore](#)
- [US approves first large-scale offshore wind project; other major US projects in the works](#)
- [Ocean data coalition launches "ocean avatar" for research and management](#)
- [UN releases integrated assessment of global ocean environment, economy, society](#)
- [Coral atlases for Central Indian Ocean, Great Barrier Reef, Torres Strait, Western Australia, Southeastern Asia, the Philippines, South China Sea available](#)

Some more fisheries-related news and resources:

- [Seawater DNA analysis offers cheaper, quicker, noninvasive assessment of fish stocks](#)
- [Satellites help determine extent of forced labor in world's fishing fleet](#)
- [New toolkit helps managers and practitioners make good decisions for finfish aquaculture](#)
- [New toolkit helps strengthen small-scale fishery governance](#)
- [Environmental DNA in sea floor sediments can help chart fish populations over centuries](#)

Some more plastic pollution-related news and resources:

- [Plastic consumption of marine fish doubled in last decade](#)
- [Study suggests 1,000+ rivers - not just handful - sending significant plastic to ocean](#)
- [Report documents "hidden" impacts of chemical and plastic pollution on marine life](#)
- [New report examines environmental justice impacts of plastic pollution](#)
- [Plastic industry project to clean up ocean waste fails to meet goals and shuts down](#)
- [High levels of microplastics found in Antarctic/Southern Ocean deep sea sediments](#)
- [Study suggests oceans may be launching microplastics into atmosphere](#)

Some more deep sea-related news and resources:

- [Ecosystem and biodiversity risks of deep seabed mining outlined](#)
- [Human immune systems do not detect many deep sea microbes](#)
- [Three companies dominate deep sea exploration contracts with lax oversight](#)
- [Biomimicking "soft" robot navigates Marianas Trench, shows future of deep sea exploration](#)
- [Deep sea plastic provides habitat for benthic organisms](#)
- [Deep sea trails provide strong evidence that adult sea sponges are motile](#)
- [Deep waters in Southern Ocean warming fast, threaten Antarctica ice sheet](#)

And some other recent news articles that caught our attention:

- [Report recommends aquaculture of seaweeds, bivalves to improve welfare, reduce risk](#)
- [Animal welfare movement increasingly looking at treatment of fish in aquaculture](#)
- [Video depicts dangers of shipping for blue whales](#)
- [Climate change causing earth's poles to shift more rapidly](#)
- [Scientists get rare glimpse at ecosystems under Antarctic ice shelves](#)
- [Ten remarkable marine species discovered in 2020](#)