

Marine Biology Research & Data Hubs

1. NOAA Coral Reef Watch

Link: <https://coralreefwatch.noaa.gov/>

Offers near-real-time satellite data on coral bleaching risk, sea surface temperatures, and other climate stressors to coral reefs worldwide.

2. Smithsonian Ocean Portal

Link: <https://ocean.si.edu>

A beautifully designed, educational site by the Smithsonian Institution covering marine science topics, ocean ecosystems, and current research.

3. PeerJ – Marine Biology Collection

Link: <https://peerj.com/collections/58-marine-biology/>

An open-access journal that publishes peer-reviewed marine biology studies across disciplines, from ecology to genetics

4. PLOS ONE – Marine Section

Link: https://journals.plos.org/plosone/browse/marine_and_freshwater_biology

A high-quality, open-access scientific journal with a rich collection of marine and freshwater research.

5. Ocean Biodiversity Information System (OBIS)

Link: <https://obis.org/>

The world's largest open-access database of marine species distribution, hosted by UNESCO's Intergovernmental Oceanographic Commission.

6. Global Biodiversity Information Facility (GBIF)

Link: <https://www.gbif.org/>

A global database that includes marine species occurrence data, useful for biogeography, species range mapping, and conservation planning.

7. NOAA National Centers for Environmental Information (NCEI)

Link: <https://www.ncei.noaa.gov/>

Massive archive of oceanographic and climate data sets, including temperature, salinity, and nutrient data.

8. UNEP World Conservation Monitoring Centre (UNEP-WCMC): Ocean+

Link: <https://www.oceanplus.org/>

Provides spatial data, ocean indicators, and marine protected area stats in an easy-to-use interface.

9. Marine Species Identification Portal (by Naturalis)

Link: <http://species-identification.org/>

Detailed descriptions and ID tools for fish, invertebrates, corals, and more—great for field use or classrooms.

10. ReefBase (Archived)

Link: <https://www.worldfishcenter.org/reefbase/>

Although no longer updated, this historic database still provides maps, images, and data on coral reefs around the world.