



# The Ocean Genome Legacy

*dedicated to preserving the biological  
diversity of the sea*

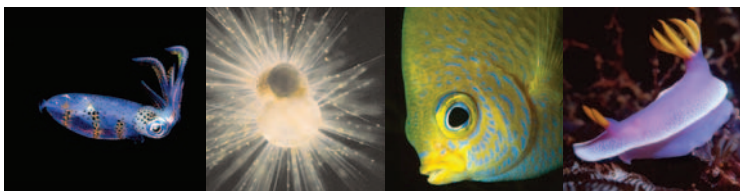


Discovery. Conservation. Research. Education.

# Ocean Genome Legacy

The Oceans contain a universe of strange, remarkable and beautiful creatures. Hidden in this biodiversity is a vast wealth of undiscovered knowledge; a legacy of genomic information that can help cure disease, improve the sustainability of global food and energy supplies and protect the environment. Unfortunately, pollution, habitat destruction and over-exploitation are rapidly depleting this precious resource, even before its beauty and value can be fully explored.

The Ocean Genome Legacy (OGL) is taking a new approach toward exploring and protecting the the biological heritage of the sea. The mission of OGL is to collect, study, describe and preserve genomic materials from marine organisms and to make these materials widely available for scientific research. By doing this, OGL supports research critical to species conservation, environmental protection and betterment of the human condition.



Top: M.Boyer, O.R. Anderson; Bottom: Roberto Sozzani



# OGL's Mission

- To create a permanent public archive of genomic materials for preservation and research.
- To perform basic research exploring marine diversity and conservation.
- To promote public awareness and action to protect the precious bioresources of the sea.



Photograph courtesy of NOAA Photo Library

## The Ocean Genome Resource

To accomplish its mission, OGL is building the Ocean Genome Resource, the nation's first marine-dedicated public genome bank. The Ocean Genome Resource is a central public repository for genomic materials, including tissue, DNA, RNA, DNA libraries and amplified DNA products exactly prepared from expertly identified and documented specimens. The genomic materials are DNA-barcoded (by sequencing diagnostic genes), referenced to museum (voucher) specimens and maintained under optimal conditions for long-term preservation in OGL's secure state-of-the-art storage facility. Finally, detailed data describing each specimen are made available in a public on-line database.



Specimens and materials may be deposited to, or requested from, the Ocean Genome Resource by any researcher. There is no charge for depositing materials and requested materials are provided at cost. OGL operates under a policy of fair and ethical trade and use (described in detail on the OGL website [www.oglf.org](http://www.oglf.org)) in keeping with principles established by the Convention on Biological Diversity (Rio Earth Summit, 1992).



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OGL is a member of:

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The Consortium for  
the Barcode of Life



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For more information or to find out how  
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