

Glossary of Terms

- BioBot - a biological search engine that facilitates retrieval and profiling of information on the internet
- cladogram - a branching diagrammatic tree used in cladistic classification to illustrate phylogenetic relationships
- data streams - units of data aggregation
- echogram - the graphic record made by an echo sounder in the form of a continuous profile
- graphical user interface - a computer program designed to allow a computer user to interact easily with computers typically by using a mouse to make choices from menus or groups of icons
- holotype - single specimen designated by an author as the type of a species or lesser taxon at the time of establishing a group
- interoperability - ability of a system to use the parts or equipment of another system
- metadata - information about data
- seismic profile - subbottom profile of stratigraphic information, sediment composition, and physical properties of sediment based on reflection and adsorption of sound generated and received from an underwater survey instrument
- single-beam data - single-beam acoustic systems transmit and receive on only one transducer. They give only limited information on the strength of individual targets (e.g. fish) since they provide no information on the position of the target in the transducer beam and the beam gets weaker towards the edges, somewhat like a flashlight beam.
- split-beam data - split-beam acoustic systems typically use a transducer that is divided into 4 segments. By comparing the time of arrival of the signals on the 4 segments it is possible to accurately determine the position of a target (fish) in the beam. Knowing the position of the fish in the beam enables a much more accurate estimate of the acoustic strength of the target to be made as it is possible to compensate for the fall-off in intensity of the beam toward the beam edges.
- swath mapping - two dimensional description of seafloor produced by a sonar device mounted under a ship
- syntype - a member of a taxonomic type series when no holotype is designated
- type specimen - a specimen or individual designated as type of a species or lesser group and serving as the final criterion of the characteristics of that group
- ANSP - Academy of Natural Sciences, Philadelphia
- ANZLIC - Australia and New Zealand Land Information Council
- BPBM - Bernice P. Bishop Museum
- CERES - California Environmental Resources Evaluation System
- Conabio - National Commission for the Knowledge and Use of Biodiversity
- CU - Cornell University Ichthyology Collection
- DIVERSITAS - joint programme launched by IUBS, SCOPE, and UNESCO in 1991 in response to scientific questions that had been raised about the functional importance of biological diversity
- EcoServe - Ecological Consultancy Services Limited
- ERIN - Environmental Resources Information Network
- ETI - Expert Center for Taxonomic Identification at the University of Amsterdam
- FAO - United Nations Food and Agriculture Organization
- FMNH - Field Museum of Natural History
- GBIF - Global Biodiversity Information Facility
- GCRL - Gulf Coast Research Laboratory Museum, University of Southern Mississippi
- ICLARM - International Center for Living Aquatic Resources Mgmt.
- ICSU - International Council of Scientific Unions
- IFREMER - French Institute for Exploitation of the Sea
- INBio - Instituto Nacional de Biodiversidad, Costa Rica
- IOC - Intergovernmental Oceanographic Commission
- IUBS - International Union for Biological Sciences
- IUCN - International Union for Conservation of Nature and Natural Resources
- IUMS - International Union of Microbiological Societies
- KU - University of Kansas
- LACM - Natural History Museum of Los Angeles County
- Marine Information Team, Joint Nature Conservation Committee
- MCZ - Harvard University Museum of Comparative Zoology
- MNHN - Museum Nationale d'Historie Naturelle
- Museo Nacional de Ciencias Naturales
- Nationaal Natuurhistorisch Museum
- National and Capodistrian University of Athens
- National University of Ireland
- NBII - National Biological Information Infrastructure

Agencies Involved

- ABI - Association for Biodiversity Information
- Alfred Wegener Institute
- AMNH - American Museum of Natural History
- AMS - Australian Museum

Nederlands Instituut voor Oecologisch Onderzoek
NGDC - National Geophysical Data Center
NESDIS - National Environmental Satellite, Data and Information Service
NHM - Natural History Museum
NMC - Canadian Museum of Nature
NMNH - National Museum of Natural History, Smithsonian Inst.
NOAA - National Oceanic and Atmospheric Administration
Norwegian University of Science & Technology, Biologiske Stasjon
NRM - Swedish Museum of Natural History
OECD - Organization for Economic Cooperation and Development
Plymouth Marine Laboratory
P.P. Shirshov Oceanology Institute
Royal Ontario Museum
SIO - Scripps Institution of Oceanography
Southampton Oceanographic Centre
SPREP - South Pacific Regional Environment Programme
The University of Reading
TNC - The Nature Conservancy
TNHC - Texas Memorial Museum
TU - Tulane University Natural History Museum
UAIC - University of Alabama Ichthyology Collection
UF - Florida Museum of Natural History
UMMZ - University of Michigan Museum of Zoology
UNESCO - United Nations Educational, Scientific and Cultural Org.
Universita degli studi di Padova
Université de la Méditerranée - Aix-Marseille II, Centre d'Océanologie
University of Amsterdam
University of Bergen
University of Southampton
URMO - UNESCO-IOC Register of Marine Organisms

Acronyms

AIS - Archival Information System
ARC - Atlantic Reference Center
BCIS - Biodiversity Conservation Information System
CAAB - Codes for Australian Aquatic Biota
CalCOFI - California Co-operative Fisheries Investigation program
CHM - Clearing-House Mechanism of the Convention on Biological Diversity
CIMI - Computer Interchange of Museum Information
CLEMAM - Check List of European Marine Mollusca

CoML - Census of Marine Life
CSIRO - Commonwealth Scientific and Industrial Research Organization
EASy - Environmental Analysis System
EEZ (A) - European Economic Zone (Area) or Exclusive Economic Zone
ERMS - European Register of Marine Species
ETL tools - Extraction, Transformation, and Loading tools
FishBase, FishGopher, FishNet - searchable fish databases managed by multiple organizations
GAP - Gap Analysis Program
GARP - Genetic Algorithm for Rule-set Production
GMBIS - Gulf of Maine Biogeographic Information System
IABIN - Inter-American Biodiversity Information Network
ICM - Integrated Coastal Management
ICZN - International Code of Zoological Nomenclature
IGBP - International Geosphere-Biosphere Program
IODE - International Oceanographic Data and Information Exchange
ITIS - Integrated Taxonomic Information System
WOOD - World-wide Oceans Optics Database
GUI - Graphical User Interface
HMAP - History of Marine Animal Populations
JDBC - Java Database Connectivity
MABNET - Man and the Biosphere Network
MARBID - Marine Biodiversity Database
MarLIN - Marine Laboratories Information Network
MAST - Marine Science and Technology
NABIN - North American Biodiversity Information Network
NABIS - National Aquatic Biodiversity Information Strategy
NEODAT - Inter-Institutional Database of Fish Biodiversity in the Neotropics
NIWA - National Institute of Water and Atmospheric Research
OBIS - Ocean Biogeographic Information System
PCAST - President's Committee of Advisors on Science and Technology
RDP - Ribosomal Database Project
RMI - Remote Method Invocation
SCAMIT - Southern California Association of Marine Invertebrate Taxonomists
SCOPE - Scientific Committee on Problems of the Environment
SQuID - Structured Query and Information Delivery
UNEP - United Nations Environment Program