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

**Agencies Involved**

ABI - Association for Biodiversity Information

Alfred Wegener Institute

AMNH - American Museum of Natural History

AMS - Australian Museum

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’Histoire Naturelle

Museo Nacional de Ciencias Naturales

Nationaal Natuurhistorisch Museum

National and Capodistrian University of Athens

National University of Ireland

NBII - National Biological Information Infrastructure
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
Universita degli studi di Padova
Université de la Mediterranée - 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
GBMIS - 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