

Global Biodiversity Information Facility

www.gbif.org

GBIF and its many partners work to mobilise data and put it to use, and to improve search mechanisms, data and metadata standards, web services, and the other components of an Internet-based information infrastructure for biodiversity. This work is complementary among the partners; none duplicates the work of others. The data and services provided by GBIF have become essential to and integrated into the products of many other initiatives, as well as being of direct benefit to users and data providers. GBIF also facilitates networking (both IT and sociological) among its Participants, partners and the public.



free and open access to biodiversity data

Photo © 2007 Deep Green Photography
Ara ararauna L.



GLOBAL
BIODIVERSITY
INFORMATION
FACILITY

www.gbif.org

Secretariat
Universitetsparken 15
DK-2100 Copenhagen Ø
Denmark

Tel.: +45 35 32 14 70
Fax: +45 35 32 14 80
Email: info@gbif.org

GBIF partnerships

www.gbif.org

Data Providers

GBIF was instituted to enable individuals and institutions that hold biodiversity datasets to share them on the Internet. Data Providers, while retaining ownership of their own data, through GBIF gain access to helpdesk services and free, regularly updated software that utilises internationally agreed exchange standards developed by Biodiversity Information Standards (TDWG). GBIF Data Providers include those who share species occurrence data (based on specimens and observations) and those who share data on scientific names and classifications, such as the Catalogue of Life partnership www.sp2000.org and ZooBank www.zoobank.org.

Data Providers



TDWG Standards

Biodiversity Information Standards (TDWG)

GBIF works closely with Biodiversity Information Standards www.tdwg.org, helping them promote the use of standards and guidelines for the recording and exchange of data about organisms. Biodiversity Information Standards (TDWG) is affiliated with the International Union of Biological Sciences. Its work to develop agreed standards for data exchange is of great benefit to GBIF in building a worldwide information infrastructure for access to biodiversity data by all.

Encyclopedia of Life www.eol.org

Biodiversity Heritage Library www.biodiversitylibrary.org

GBIF's web-services based information infrastructure will be heavily drawn upon by the Encyclopedia of Life (EOL) and the Biodiversity Heritage Library (BHL) as they carry out their work. EOL is a recently launched initiative designed to produce, for every species, a website that will draw together all information on that species that is available on the Internet. This information will include literature from the BHL, and occurrence and names data from GBIF, among other data.

Encyclopedia of Life
Biodiversity Heritage Library
Bioversity International
Convention on Biological Diversity
GeneBank ILTER
Conservation Commons
Barcode of Life
many others.....

Convention on Biological Diversity
www.cbd.int

GBIF data and services support the biodiversity-related Conventions. GBIF products support countries' efforts to address the CBD's 2010 Target, the Global Strategy for Plant Conservation, and the Global Taxonomy Initiative, particularly through repatriation of data to countries of origin. GBIF Data Providers openly share their biodiversity data for use by countries of origin, and GBIF web services make the retrieval of those data quick and easy.

Bioversity International www.bioversityinternational.org
Barcode of Life www.dnabarcodes.org or barcoding.si.edu
GenBank www.ncbi.nlm.nih.gov/Genbank
ILTER www.ilternet.edu
Conservation Commons www.conservationcommons.org

GBIF collaborates with a number of partners (not limited to those shown here) that work with genes and gene sequences to handle scientific names and classifications as keys to information retrieval. GBIF's network structure also facilitates and enhances existing networks among research centers, and between those networks and others in different disciplines, such as ecology and conservation. retrieval of those data quick and easy.