



Data Standards and Data Fields



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iDigBio
Integrated Digitized Biocollections



BiotaPhy

iDigBio: A Source for Specimen Records

The screenshot shows the homepage of the iDigBio website. At the top, there's a navigation bar with links for "About iDigBio", "Research", "Technical Information", "Education", and "Log In". Below the navigation is a search bar with the placeholder "ENHANCED BY iDigBio". The main content area features a large image of a biological specimen (a porous, yellowish-brown structure) on the left. Overlaid on this image is the text: "Making data and images of millions of biological specimens available on the web". To the right of the image are three sets of statistics: 137,571,430 Specimen Records, 52,529,865 Media Records, and 1,797 Recordsets. A green button labeled "Search the Portal" is located below these stats. To the right of the stats is a yellow sidebar with a video thumbnail titled "WHY DIGITIZE?" and a link to "Why digitization matters". The bottom section is divided into five colored boxes: green, light blue, light green, light blue, and light blue. Each box contains an icon and text: "Digitization" (camera icon), "Sharing Collections" (double arrow icon), "Working Groups" (two people icon), "Proposals" (lightbulb icon), and "Citizen Scientists" (microscope icon). Each box also has a brief description below its title.

About iDigBio | **Research** | **Technical Information** | **Education**

ENHANCED BY iDigBio

Log In

137,571,430
Specimen Records

52,529,865
Media Records

1,797
Recordsets

Search the Portal

WHY DIGITIZE?

Why digitization matters
More about what we do and why

Digitization
Learn, share and develop best practices

Sharing Collections
Documentation on data ingestion

Working Groups
Join in, contribute, be part of the community

Proposals
New tool and workshop ideas

Citizen Scientists
How can you help biological collections?

Other Data Aggregators



iDigBio
Integrated Digitized Biocollections

About iDigBio | Research | Techn...
Google Custom Search

VerNe

Global Biodiversity Information Facility

Free and Open Access to Biodiversity Data



specieslink

Repositories



TRY Plant Trait Database

PhotosyntheticPathway
Respiration LeafArea NfixationCapacity
SLA RegenerationCapacity PlantLifespan
WoodDensity GrowthForm
PhenologyType LeafN
LeafP LeafLongevity PhotosyntheticCapacity
MaxPlantHeight SeedMass

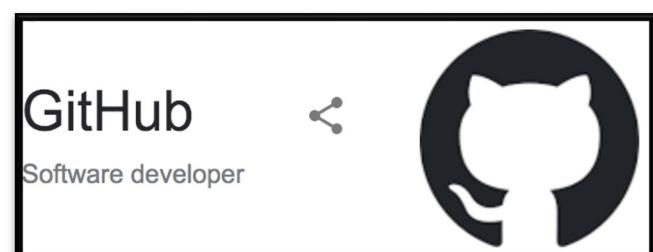
Open Traits Network



www.eFloras.org
Flora of North America

 www.eFloras.org
Flora of China

 **BHL**
Biodiversity Heritage Library



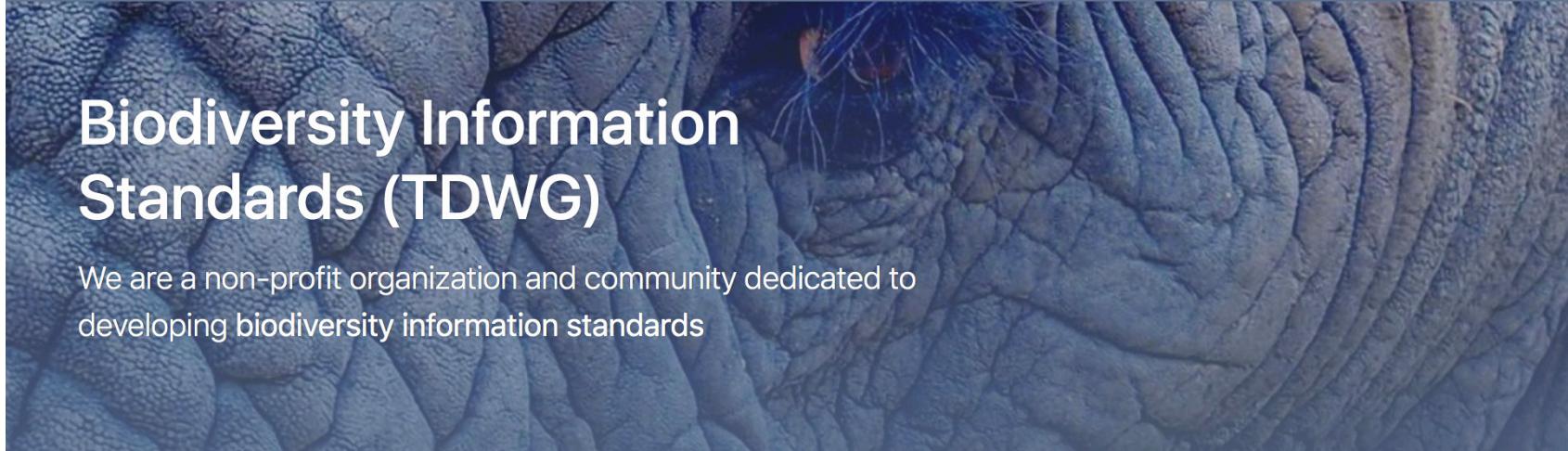
Standards



Standards – ‘Adapters’



Standards – tdwg.org



TDWG Standards Journal Community Conferences About News Search icon

Biodiversity Information Standards (TDWG)

We are a non-profit organization and community dedicated to developing biodiversity information standards

Historically known as the Taxonomic Databases Working Group, today's Biodiversity Information Standards (TDWG) is a not-for-profit, scientific and educational association formed to establish international collaboration among the creators, managers and users of biodiversity information and to promote the wider and more effective dissemination and sharing of knowledge about the world's heritage of biological organisms.

To achieve its goals, TDWG:

- develops, ratifies and promotes standards and guidelines for the recording and exchange of data about organisms;
- acts as a forum for discussing all aspects of biodiversity information management through meetings, online discussions, and publications.

See the [About](#) section to learn how TDWG operates and how you can participate. Active Interest Groups are described under [Community](#).

Our most popular standards



Audubon Core proposals: public comment opens 15 Jan.

Public comment period opens 15 January for three term-change proposals.

[Learn more...](#)

Standards – tdwg.org

Our most popular standards



Darwin Core

Darwin Core is a standard maintained by the Darwin Core maintenance group. It includes a glossary of terms intended to facilitate the sharing of information about biological diversity by providing identifiers, labels, and definitions. Darwin Core is primarily based on taxa, their occurrence in nature as documented by observations, specimens, samples, and related information.



World Geographical Scheme for Recording Plant Distributions (WGSRPD)

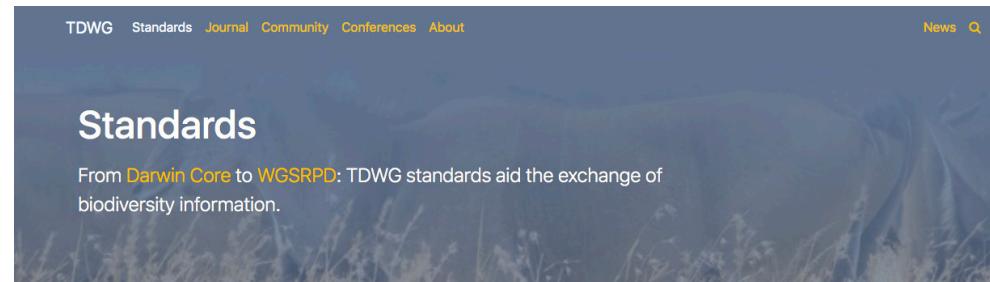
WGSRPD provides an agreed system of geographical units at approximately "country" level and upwards for use in recording plant distributions. It allows adopting organizations to compare and exchange data with each other without loss of information due to incompatible geographical boundaries. The system offered covers the whole world and identifies units at four levels, firstly continental, secondly regional (or subcontinental), thirdly at what may be called "Botanical Country" level (which may often ignore purely political considerations), and fourthly at a slightly lower level called "Basic Recording Units" where political integrity is fully recognised.



Audubon Core Multimedia Resources Metadata Schema

The Audubon Core (AC) is a set of vocabularies designed to represent metadata for biodiversity multimedia resources and collections. These vocabularies aim to represent information that will help to determine whether a particular resource or collection will be fit for some particular biodiversity science application before acquiring the media. Among others, the vocabularies address such concerns as the management of the media and collections, descriptions of their content, their taxonomic, geographic, and temporal coverage, and the appropriate ways to retrieve, attribute and reproduce them.

Standards – tdwg.org



Home / Standards

Edit this page

TDWG standards have a [status](#) and [category](#). Current standards and those under consideration as Draft standards are governed by the [TDWG Process](#), which includes the appointment of a [Review Manager](#) to oversee expert and public review of TDWG standards. Our standards are also available as a collection on [FAIRsharing](#), which places them in context with databases that implement them and data policies that endorse their use.

[Current standards](#)
[Draft standards](#)
[2005 standards](#)
[Prior standards](#)

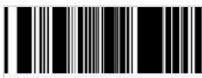
Current standards



Audubon Core
Multimedia Resources
Metadata Schema



Darwin Core



GUID and Life
Sciences Identifiers
Applicability
Statements



TDWG Access
Protocol for
Information Retrieval
(TAPIR)



TDWG Standards
Documentation
Standard (SDS)



Vocabulary
Maintenance Standard
(VMS)

Draft standards



Global Genome
Biodiversity Network
(GGBN) Data Standard



Natural Collections
Descriptions (NCD)

Standards: Darwin Core



Darwin Core

Darwin Core is a standard maintained by the Darwin Core maintenance group. It includes a glossary of terms intended to facilitate the sharing of information about biological diversity by providing identifiers, labels, and definitions. Darwin Core is primarily based on taxa, their occurrence in nature as documented by observations, specimens, samples, and related information.

- species name
- collector name
- date of collection
- location of collection – country, state, county, latitude, longitude
- etc.

Standards: Audubon Core



Audubon Core Multimedia Resources Metadata Schema

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- vocabularies for multimedia resources for biodiversity
 - videos
 - photographs
 - audio recordings
 - etc.

Standards: Darwin Core

AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	
dwc:basisOfRecord	dwc:bed	dwc:behavior	dwc:catalogNumber	dwc:class	dwc:classs	dwc:collectingEvent	dwc:collectingEvent	dwc:continer	dwc:coordinate	dwc:coordinate	dwc:country	dwc:country	dwc:county	dwc:county	dwc:dataGeneral
PreservedSpecimen			UVMVT259211				58ab88f3-0034-461c-9c44-9e525c4d360f				Japan				
PreservedSpecimen			UVMVT259213				58ab88f3-0034-461c-9c44-9e525c4d360f				Japan				
PreservedSpecimen			MEL 2130514A		Equisetopsid	MEL					United States				
PreservedSpecimen			CLEMS0042919				81b5c57b-5f26-423f-93b6-d4dc434fe707				United States	Oconee			
PreservedSpecimen			barcode-01046783			A	urn:lsid:biocc	Asia			China	CN			
PreservedSpecimen			15510				2bed6ae5-afde-45bb-95a9-c4918414f02d				United States	McDowell			
PreservedSpecimen			15514				2bed6ae5-afde-45bb-95a9-c4918414f02d				United States	McDowell			
PreservedSpecimen			NCU00042370				17f2d0fa-39a6-4465-8055-1d6fc12eeda2				United States	Oconee			
PreservedSpecimen			DUKE10095697				274b5332-1247-4374-b124-c819b814cd6e				United States	Oconee			
PreservedSpecimen			CLEMS0042936				81b5c57b-5f26-423f-93b6-d4dc434fe707				United States	Pickens			
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PreservedSpecimen			BPI 456353	Agaricomycetes							USA				
PreservedSpecimen			BPI 656351B	Dacrymycetes							USA				
PreservedSpecimen			27718			Herb					USA				
PreservedSpecimen			BPI 656351A	Dacrymycetes							USA				
PreservedSpecimen			DUKE10095688				274b5332-1247-4374-b124-c819b814cd6e				United States	Transylvania			
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PreservedSpecimen			P06899518		P										
PreservedSpecimen			GA202497				urn:lsid:biocol.org:col:15610				United States	Transylvania County			
PreservedSpecimen			3946834		NY		http://biocol	North America			United States of America	Oconee Co.			
PreservedSpecimen			UVMVT259210				58ab88f3-0034-461c-9c44-9e525c4d360f				Japan				
PreservedSpecimen			GA202493				urn:lsid:biocol.org:col:15610				United States	Unspecified County			
PreservedSpecimen				Magnoliopsidae	Botany		America				United States of America				
PreservedSpecimen			GA202498				urn:lsid:biocol.org:col:15610				United States	Oconee County			
PreservedSpecimen			NCU00060823				17f2d0fa-39a6-4465-8055-1d6fc12eeda2				United States	Nassau			
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PreservedSpecimen			15511				2bed6ae5-afde-45bb-95a9-c4918414f02d				United States	Buncombe			
Still Image			CONN00108025		CONN					5000	USA	US	Oconee		
PreservedSpecimen			NCU00042354				17f2d0fa-39a6-4465-8055-1d6fc12eeda2				United States	Macon			