



GBIF

Global Biodiversity
Information Facility

Outils de publication des données de biodiversité

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Image by Javier Gamboa Martinez (GBIF Secretariat)

INTEGRATED PUBLISHING TOOLKIT (IPT)

- Principal outil de partage des données de biodiversité vers GBIF.org
- “Mini-entrepôt” permettant le stockage, versionnage et diffusion des données + métadonnées
- Plusieurs types de jeux de données possibles : occurrences, événements d'échantillonnage, taxons...
- Nouvelles fonctionnalités pour prendre en compte les évolutions des standards et modèle de données GBIF (Data packages)

<https://www.gbif.org/ipt>

The screenshot displays the GBIF IPT (Integrated Publishing Toolkit) interface. At the top, a navigation bar includes links for Home, Manage Resources, Administration, and About. Below this, a header indicates 'Hosted resources available through this IPT' with a note that 394 resource(s) are currently available.

The main section features a table of hosted resources. The table has columns for Logo, Name, Organization, Type, Subtype, Records, Last modified, Last publication, and Next publication. A filter input is located at the top right of the table.

Logo	Name	Organization	Type	Subtype	Records	Last modified	Last publication	Next publication
—	iHerbarium	Agoralogie	Occurrence	—	114	2016-06-28 16:42:55	2016-06-28 16:54:37	—
—	bird_inventory_thiestouba_senegal	ARTELIA	Occurrence	Observation	511	2026-04-02 08:39:12	2026-03-11 13:52:58	—
—	BioBlitz biodiversity data of all city campuses of University of Rennes	Biological Station Paimpont, University Rennes	Occurrence	Observation	475	2026-04-03 10:50:24	2025-03-11 13:11:11	—
	Sbp-BioBlitz2017_60years-BiodiversityData	Biological Station Paimpont, University Rennes	Occurrence	Observation	6,089	2021-04-15 13:05:39	2020-03-02 14:23:24	—
	Mission LAVIA 2024 : traveling study of West African bats	Blairoudeurs	Occurrence	—	339	2025-02-12 13:29:30	2025-02-12 13:29:36	—

Below the table, it notes 'The French National Collection of'.

The bottom section shows a detailed view of a resource titled 'Inventory of vascular plants in a permanent plot on the Piton de la Fournaise, La Réunion (France)'. It includes a breadcrumb trail 'Home / Resource', a 'Filter' dropdown, and buttons for 'Sampling event' and 'Observation'. A note states 'Latest version published by PVBMT Research Unit, University of Reunion, CIRAD on Oct 5, 2026'. An 'Edit' button is also present.

At the bottom, there are links to download the latest version of the resource data as a Darwin Core Archive (DwC-A) or the resource metadata as EML or RTF. The download links are: 'download 27 records in English (2 MB) - Update frequency: unknown', 'download in English (20 KB)', and 'download in English (15 KB)'. The right side of the page provides the Home URL, GBIF UUID, Publication date, Published by, License, and a 'How to cite' link.

INTEGRATED PUBLISHING TOOLKIT (IPT)

- 5 étapes principales :
 - Chargement des données
 - Mapping au standard Darwin Core
 - Ajout des métadonnées
 - Génération d'une archive DwC
 - Transmission vers GBIF.org

Source Data

Darwin Core Mappings

Metadata

Visibility

Publication

Registration

Networks

Resource Managers

Source Data

Not modified since last publication

Your source data files and SQL sources for generating a Darwin Core Archive.

 event 5.5 MB 14,895 rows/28 columns 28 Mar 2025, 10:38:06	  	
 occurrence 2 GB 8,683,785 rows/23 columns 28 Mar 2025, 10:38:12	  	

Darwin Core Mappings

Not modified since last publication

Your mapping between the source data and Darwin Core terms.

Core

 event → Darwin Core Event 27 terms 28 Mar 2025, 10:38:06	  
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INTEGRATED PUBLISHING TOOLKIT (IPT)

- Plusieurs langues disponibles
- Version production ou test
- Possibilité d'installer son propre IPT ou de passer par une instance existante (GBIF France, Data-Terra, Récolnat...)
- Guide d'utilisation
- Compte utilisateur à demander à l'équipe d'administration de l'instance (IPT GBIF France : connexion@gbif.fr)

Integrated Publishing Toolkit

How to Use this Manual

- ▶ Getting Started – Installation and Initial Setup

Overview

Home Menu

Manage Resources Menu

Administration Menu

About Menu

Releases

Release Notes

- ▶ How to publish biodiversity data through GBIF.org

- ▶ Best Practice Guides

FAQ

- ▶ Contributing

- ▶ Customization

Dataset Versioning Policy

- ▶ Dataset Citation Format

DOI Workflows

Applying a License to a Dataset

METABARCODING DATA TOOLKIT (MDT)

- Outil en phase de test, développé spécifiquement pour le partage des données issues de metabarcoding
- Version production uniquement
- Possibilité d'utiliser une instance existante (GBIF France)
- Guide d'utilisation
- Compte utilisateur [GBIF.org](https://www.gbif.org) (à créer soi-même)

 Metabarcoding Data Toolkit

[New dataset](#) [FAQ](#) [Login](#)

GBIF France Metabarcoding Datasets

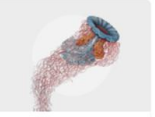
Le Metabarcoding Data Toolkit (MDT) est un outil qui a pour objectif de faciliter la publication des données de metabarcoding, telles que celles issues des techniques d'ADN environnemental, sur le GBIF, en transformant les formats les plus courants (OTU et ASV) au standard Darwin Core et ses extensions. L'installation du MDT GBIF France fait partie d'un projet pilote GBIF de deux ans, destiné à améliorer l'intégration par le GBIF des données de metabarcoding ADN sur la biodiversité et à renforcer les communautés scientifiques et de gestion/surveillance de la biodiversité en explorant leurs besoins et de nouveaux cas d'étude. Contactez-nous pour toutes questions à gbif@gbif.fr.

This toolkit is being developed as part of the pilot phase of the GBIF Metabarcoding Data Programme




User guide


Need help?


FAQ

 The most recently updated resources are available as an [RSS feed](#)

 GBIF Metabarcoding Data Toolkit

[About the programme](#) | [About GBIF & DNA](#) | [User guide](#) | [FAQ](#) | [API](#) | [Report a bug](#) | [Request a feature](#)

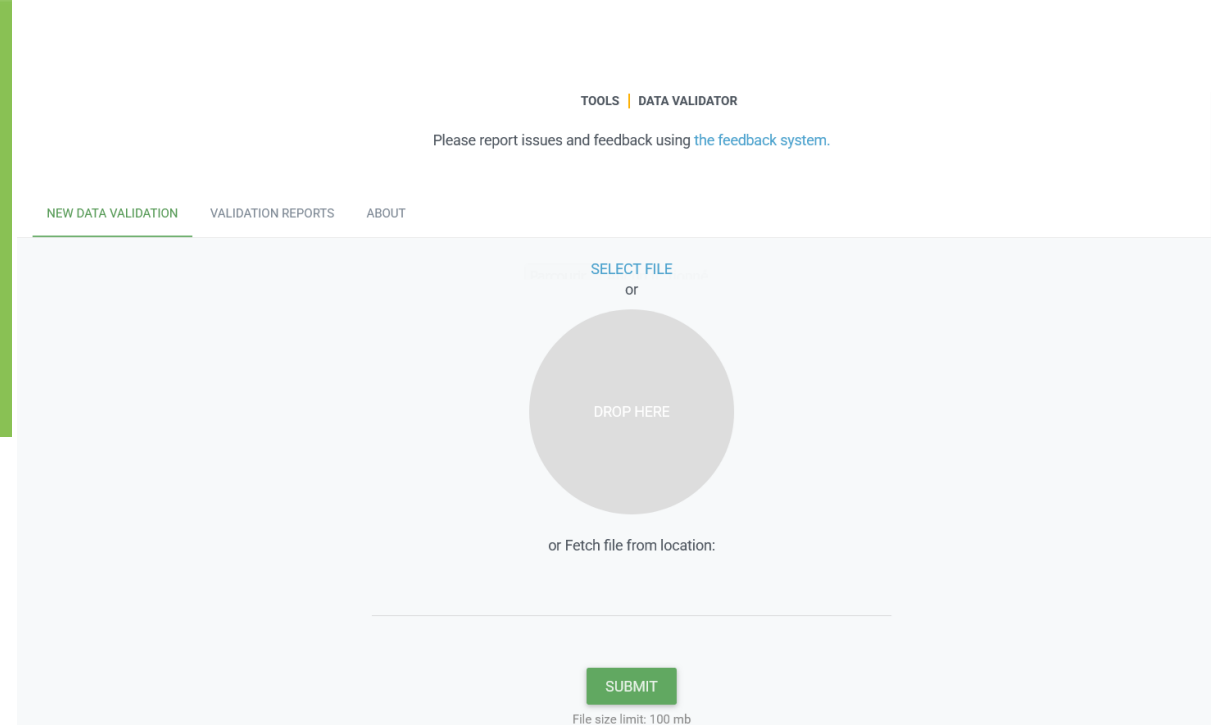
Metabarcoding Data Toolkit – user guide

GBIF Secretariat – DNA@gbif.org – Version 9ba00c1, 2026-09-08 11:26:33 UTC

This document is also available in [PDF format](#).

GBIF DATA VALIDATOR

- Outil en ligne utilisable avec un compte [GBIF.org](https://www.gbif.org) (à créer soi-même)
- Vérification de la validité d'une archive Darwin Core avant diffusion



The screenshot shows the GBIF Data Validator web interface. At the top, there is a navigation bar with the text "TOOLS | DATA VALIDATOR" and a link to "Please report issues and feedback using the feedback system." Below this, there are three tabs: "NEW DATA VALIDATION", "VALIDATION REPORTS", and "ABOUT". The main content area is a light gray box with a large circular drop zone in the center. Above the circle, it says "SELECT FILE" and "or". Inside the circle, it says "DROP HERE". Below the circle, it says "or Fetch file from location:". At the bottom of the box, there is a green "SUBMIT" button and a note "File size limit: 100 mb".

GBIF API

- **REGISTRY**
 - créer, modifier et rechercher les Informations liées aux jeux de données, aux institutions, aux réseaux et aux moyens d'y accéder
- **SPECIES**
 - informations taxonomique
 - outils pour interpréter des noms, compléter des noms scientifiques, etc.
- **OCCURRENCES**
 - informations sur les occurrences indexées sur le GBIF.org ainsi qu'à leurs téléchargements (de façon asynchrone).
- **MAP**
 - visualisation des cartes du GBIF sur d'autres sites....

The screenshot shows the GBIF API reference documentation page. The top navigation bar includes links for Technical Documentation, Data publishing, Data processing, Data use, API, Cloud services, and System components. A search bar is located on the right. The left sidebar lists the GBIF API reference sections: Registry API, Registry API (Principal methods), Species API, Occurrence API, Occurrence Image API, Maps API, Literature API, Validator API, Vocabulary API, and Analytics and Data Trends. The main content area is titled 'API Sections' and explains that the API is split into logical sections to ease understanding. It lists several key sections: Registry (for creating, editing, updating, and searching datasets), Species (for discovering and accessing species information), Occurrence (for accessing occurrence information), Occurrence Image API (for low or medium resolution images), Maps (for showing maps of GBIF-mobilized content), Literature (for accessing peer-reviewed papers), Validator (for running data structure and quality checks), and Vocabularies (for aligning terms during data interpretation). A 'Page contents' sidebar on the right lists the table of contents for the API sections.

Technical Documentation Data publishing Data processing Data use API Cloud services System components Search docs

GBIF API reference / GBIF API Reference

API Sections

The API is split into logical sections to ease understanding:

- The **Registry** provides means to create, edit, update and search for information about the datasets, publishing organizations, networks and the means to access them (technical endpoints). The registered content controls what is crawled and indexed in the GBIF data portal, but as a shared API may also be used for other initiatives, including the Global Register of Scientific Collections (GRSciColl).
- **Species** provides services to discover and access information about species and higher taxa, and utility services for interpreting names and looking up the identifiers and complete scientific names used for species in the GBIF portal.
- **Occurrence** provides access to occurrence information crawled and indexed by GBIF, search services to do real-time paged search and asynchronous download services to request large, batch downloads.
- The **Occurrence Image API** provides low or medium resolution images linked to occurrences.
- **Maps** provides services to show maps of GBIF-mobilized content.
- **Literature** provides access to peer-reviewed papers and other literature indexed by GBIF, citing GBIF datasets and downloads.
- **Validator** allows running data structure and quality checks against a dataset before publication to GBIF.
- **Vocabularies** are used during data interpretation to align some terms such as Life Stage to a limited set of values.

Page contents

- API Sections
- Communication
- Rate limits
- Unsupported use
- Common operations
- Paging
- Repeatable parameters
- Range queries
- Authentication
- Enumerations
- Roadmap to v2

AUTRES OUTILS ET RESSOURCES

- librairies/packages rGBIF et pyGBIF
- nameParser
- speciesMatcher
- sequenceIDTool
- Et bien d'autres :

<https://www.gbif.org/resource/search?contentType=tool>

95 tools

≡ Sort by

PhyloNext

Tool

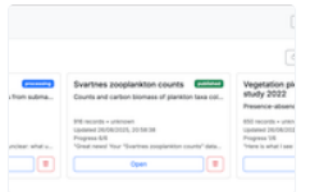
The Prototype Biodiversity Digital Twin (BioDT) for Phylogenetic Diversity (PD) is an advanced modelling tool designed to calculate and visualise biodiversity metrics from global, dynamic data...



ChatIPT

Tool

Chatbot helps transform spreadsheets into standardized GBIF-ready datasets... ChatIPT is a chatbot for non-technical users, including students and researchers who are new to data publication or only...





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Questions ?

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Biodiversity Data Mobilization Course