

generated January 2025

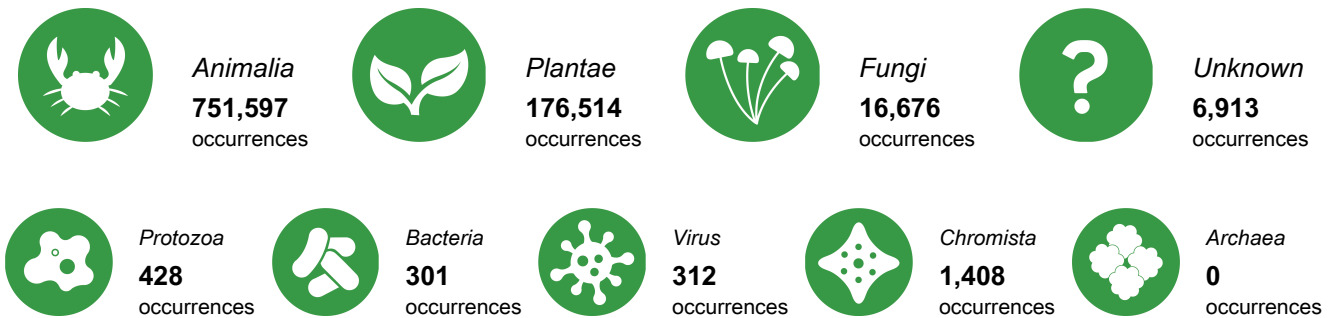
Dominican Republic

This report provides a series of summary charts, statistics and other details about the mobilization and use of open-access species data through the GBIF network, relating to users and participating institutions in Dominican Republic. These metrics show status at the time of report generation, unless otherwise noted. Taken together, the elements of this report can help guide and measure progress toward the information needs for biodiversity research, as well as for national commitments on biodiversity and sustainable development.

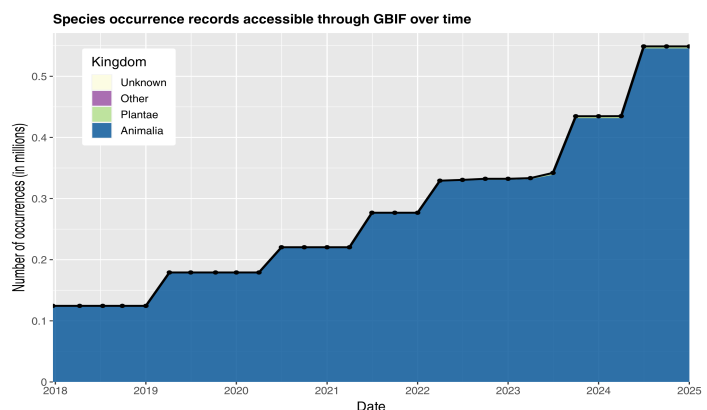
► Access and usage



► Data availability in Dominican Republic



► Data mobilization

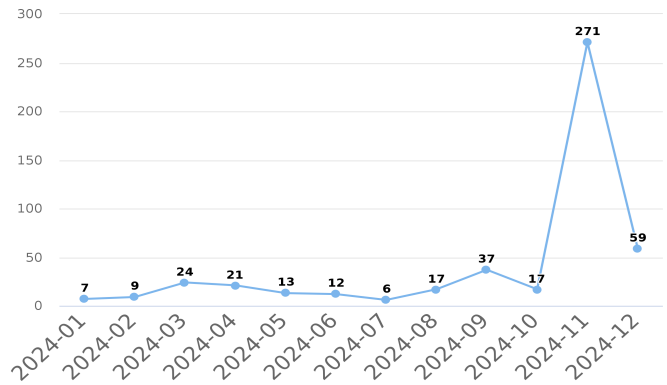
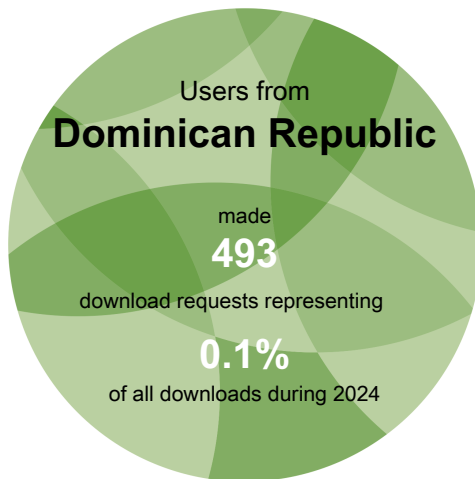


Number of records published by institutions in Dominican Republic, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Dominican Republic



Monthly downloads requested by users in Dominican Republic

Recent peer-reviewed articles using GBIF-mediated data by co-authors based in Dominican Republic

The GBIF Secretariat maintains and reports on an ongoing literature tracking programme, giving priority to substantive uses of GBIF-mediated data in peer-reviewed literature while identifying the countries or areas of the authors' institutional affiliations. The citations below represent the five most recent journal articles with at least one co-author from Dominican Republic.

Those interested in assisting the Secretariat in identifying additional peer-reviewed uses of GBIF-mediated data may forward relevant citations to comms@gbif.org.

Morejón-Arrojo, Sellares-Blasco, Guendulain-García *et al.* (2024) First occurrence of the invasive jellyfish *Phyllorhiza punctata* in the Dominican Republic: seasonal trend and invasion in the Atlantic Ocean. *Bulletin of Marine Science*.
<https://doi.org/10.5343/bms.2024.0061>

Pérez-Escobar, Bogarín, Przelomska *et al.* (2024) The origin and speciation of orchids. *New Phytologist*.
<https://doi.org/10.1111/nph.19580>

Juncá Morales, Rodríguez de Francisco, López Hidalgo *et al.* (2021) Endemic *Juniperus gracilior* varieties of the Hispaniola island, tree taxa of environmental and economic relevance and a valuable phytochemical source. *Bosque (Valdivia)*.
<https://doi.org/10.4067/s0717-92002021000100007>

Sangermano, Bol, Galvis *et al.* (2015) Habitat suitability and protection status of four species of amphibians in the Dominican Republic. *Applied Geography*.
<https://doi.org/10.1016/j.apgeog.2015.06.002>

Mengual, de Soto Molinari. (2020) First record of the genus *Syritta* Le Peletier & Audinet-Serville, 1828 (Diptera, Syrphidae) from the West Indies. *Check List*.
<https://doi.org/10.15560/16.4.991>

See all research from this country or area
gbif.org/country/DO/publications/from



Data availability

Total data available for selected taxonomic groups in Dominican Republic



Mammals
13,455
occurrences



Birds
561,154
occurrences



Bony fish
7,185
occurrences



Amphibians
11,781
occurrences



Insects
52,649
occurrences



Reptiles
52,077
occurrences



Molluscs
29,420
occurrences



Arachnids
6,596
occurrences



Flowering plants
137,073
occurrences



Ferns
18,995
occurrences



Gymnosperms
833
occurrences



Mosses
13,759
occurrences



Sac fungi
11,466
occurrences



Basidiomycota
5,157
occurrences

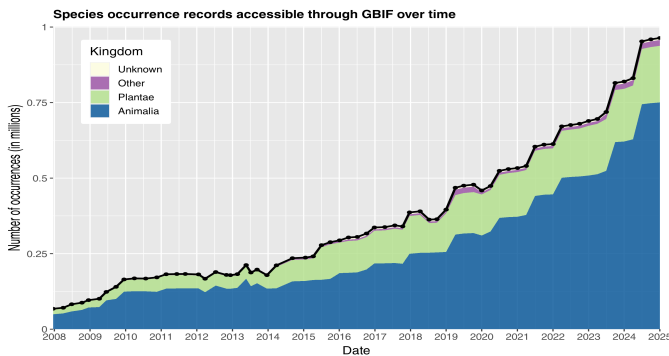
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

Insects = Class *Insecta*
Reptiles = Class *Testudines*,
Sphenodontia, *Squamata* &
Crocodylia
Molluscs = Phylum *Mollusca*

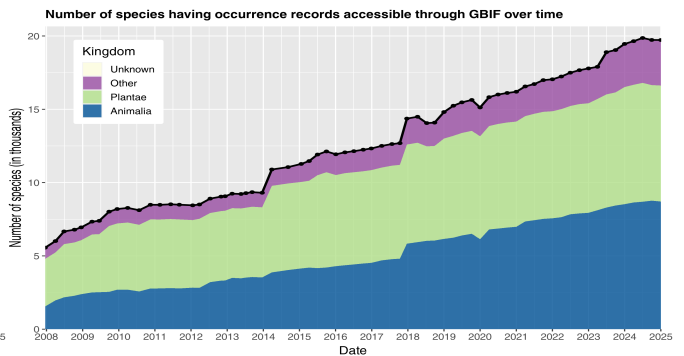
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

Ferns = Phylum *Pteridophyta*
Mosses = Phylum *Bryophyta*
Sac fungi = Phylum *Ascomycota*
Basidiomycota = Phylum
Basidiomycota

Change over time in records about biodiversity in Dominican Republic



Occurrence records available about species occurring in Dominican Republic



Species for which at least one occurrence record is available in Dominican Republic

WHY MIGHT THE AMOUNT OF MOBILIZED DATA DECREASE?

Datasets are sometimes removed by publishers, but more often decreases in the number of records are due to the removal of duplicate records and datasets.

SPECIES COUNTS represent the number of binomial scientific names for which GBIF has received data records, organized as far as possible using synonyms recorded in key databases like the Catalogue of Life



Most recent datasets from publishers in Dominican Republic

Flora del Parque Solar Bayasol. *Published by AES Dominicana S.A.S.*

<https://doi.org/10.15468/tpfefp>

Flora del Parque solar Peravia 1 y Peravia 2. *Published by AES Dominicana S.A.S.*

<https://doi.org/10.15468/u7r7km>

Euphausiids of the Greater Antilles. *Published by Programa EcoMar, Inc.*

<https://doi.org/10.15468/5p55cv>

Actual specimens of adult Odonata from the IIBZ Entomology Collection. *Published by Instituto de Investigaciones Botánicas y Zoológicas - Prof. Rafael M. Moscoso, Universidad Autónoma de Santo Domingo*

<https://doi.org/10.15468/a9p72m>

Museo Nacional de Historia Natural "Prof. Eugenio de Jesús Marcano" - Colección de Aves.

Published by Museo Nacional de Historia Natural "Prof. Eugenio de Jesús Marcano"

<https://doi.org/10.15468/zmbpj5>

Museo Nacional de Historia Natural "Prof. Eugenio de Jesús Marcano" - Colección Herpetológica.

Published by Museo Nacional de Historia Natural "Prof. Eugenio de Jesús Marcano"

<https://doi.org/10.15468/nzyatg>

See all datasets from this country or area: gbif.org/dataset/search?publishing_country=DO

Newest publishers from Dominican Republic

AES Dominicana S.A.S.

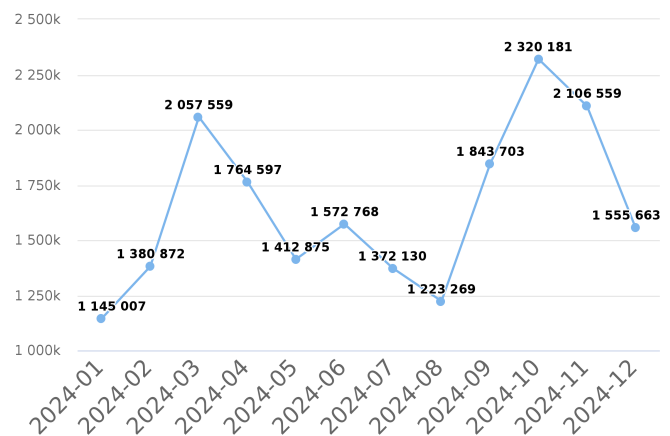
Instituto de Investigaciones Botánicas y Zoológicas - Prof. Rafael M. Moscoso, Universidad Autónoma de Santo Domingo

Museo Nacional de Historia Natural "Prof. Eugenio de Jesús Marcano"

Programa EcoMar, Inc.

See all publishers from this country or area gbif.org/publisher/search?country=DO

Occurrence records downloaded from GBIF.org, published by institutions in Dominican Republic

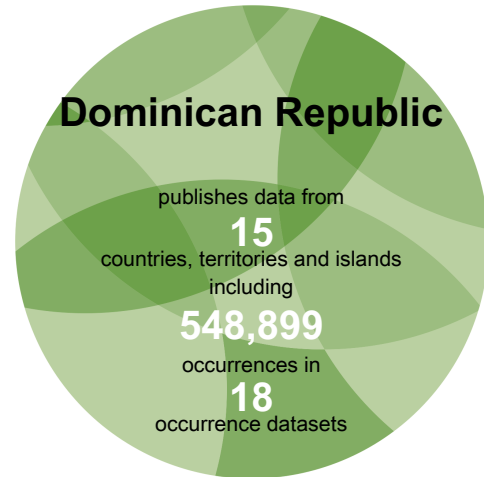
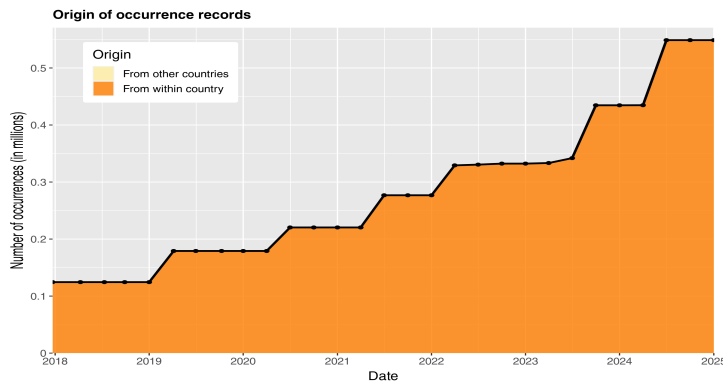


Number of occurrence records downloaded via GBIF.org published by institutions in Dominican Republic



Data mobilization

Data sharing with country or area of origin by national institutions in Dominican Republic



Data sharing with country or area of origin

The chart above shows the number of records shared over time by publishers within Dominican Republic, with separate colours for records about species occurring within undefined and those occurring elsewhere.

Top data contributors about biodiversity in Dominican Republic

Rank	Country or area	No. of occurrences
1	Dominican Republic	548,007
2	United States of America	335,660
3	United Kingdom	12,438
4	Netherlands	10,208
5	Germany	8,731
6	France	6,587
7	Sweden	5,678
8	Canada	4,634
9	Belgium	4,164
10	International organization or unknown country	3,051

Table 1. Ranking of countries or areas contributing data about Dominican Republic

Top datasets contributing data about Dominican Republic

EOD – eBird Observation Dataset. *533,006 occurrences in Dominican Republic.* (Last updated 27 Sep 2024)

The New York Botanical Garden Herbarium (NY). *55,548 occurrences in Dominican Republic.* (Last updated 25 Dec 2024)

NMNH Extant Specimen Records (USNM, US). *55,001 occurrences in Dominican Republic.* (Last updated 2 Jan 2025)

iNaturalist Research-grade Observations. *48,092 occurrences in Dominican Republic.* (Last updated 30 Dec 2024)

Museum of Comparative Zoology, Harvard University. *30,271 occurrences in Dominican Republic.* (Last updated 1 Jan 2025)

See all contributing countries and areas or datasets: gbif.org/country/DO/about



Dominican Republic participates in the following projects coordinated by GBIF

Mobilizing natural history collections of the Dominican Republic

BID: Biodiversity Information for Development, 2021–2023

<https://www.gbif.org/project/BID-CA2020-031-NAC>

First steps for biodiversity data publishing for Hispaniola

BID: Biodiversity Information for Development, 2021–2023

<https://www.gbif.org/project/BID-CA2020-034-REG>

Assessment and update of data on marine macroalgae in Hispaniola

BID: Biodiversity Information for Development, 2021–2022

<https://www.gbif.org/project/BID-CA2020-012-INS>

See all GBIF projects
[gbif.org/resource/search?contentType=project](https://www.gbif.org/resource/search?contentType=project)