

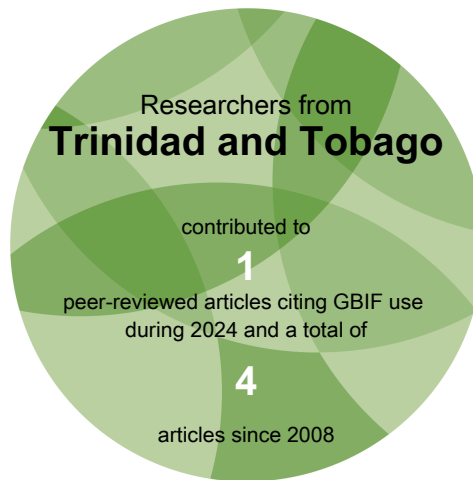


generated January 2025

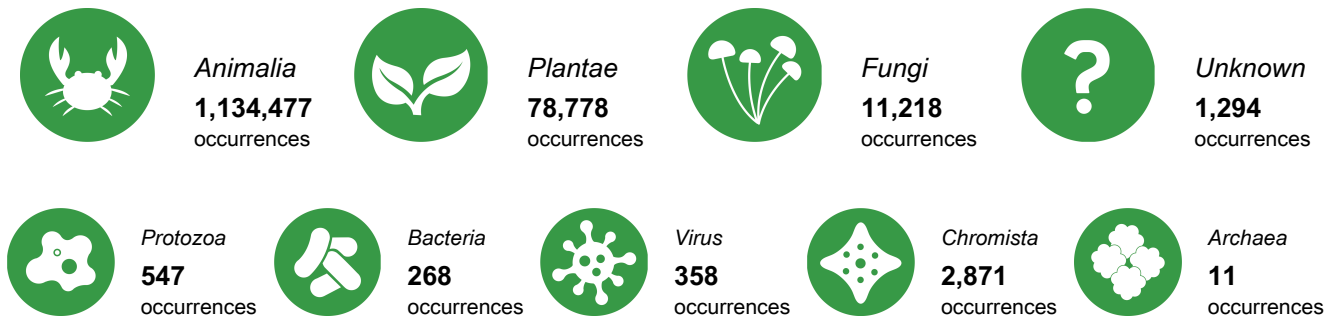
Trinidad and Tobago

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 Trinidad and Tobago. 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.

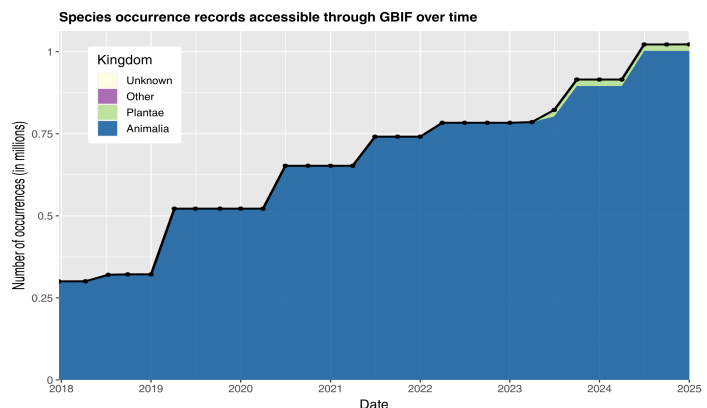
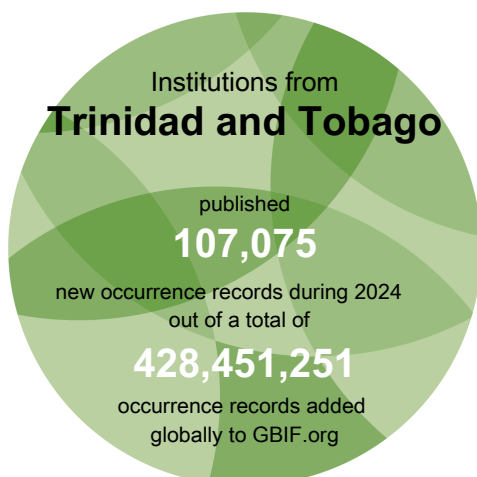
► Access and usage



► Data availability in Trinidad and Tobago



► Data mobilization

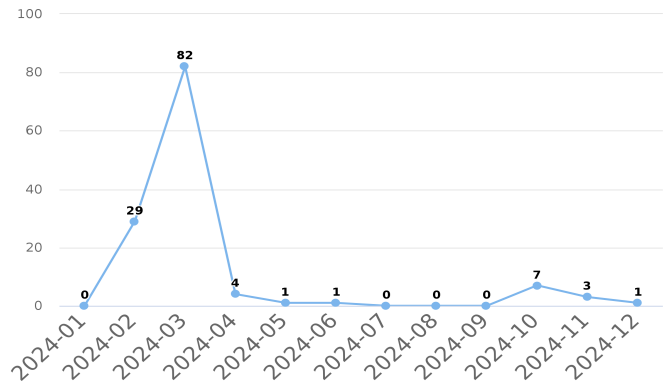
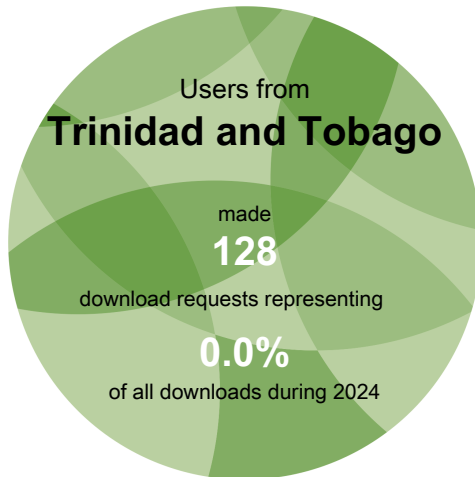


Number of records published by institutions in Trinidad and Tobago, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Trinidad and Tobago



Monthly downloads requested by users in Trinidad and Tobago

Recent peer-reviewed articles using GBIF-mediated data by co-authors based in Trinidad and Tobago

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 Trinidad and Tobago.

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

Mohammed, Fanovich. (2024) Biodiversity in the Caribbean from 1950 to the Present. *Biodiversity - Handbook of the Anthropocene in Latin America II*.
<https://doi.org/10.14361/9783839470121-021>

Jowers, Rivas, Jadin *et al.* (2020) Unearthing the species diversity of a cryptozoic snake, *Tantilla melanocephala*, in its northern distribution with emphasis on the colonization of the Lesser Antilles. *Amphibian & Reptile Conservation*.

Murphy, Muñoz-Mérida, Auguste *et al.* (2020) Evidence for cryptic diversity in the Neotropical water snake, *Helicops angulatus* (Linnaeus, 1758)(Dipsadidae, Hydropsini), with comments on its ecology, facultative *Amphibian & Reptile Conservation*.

Belford, Phillip, Rutherford *et al.* (2019) Biodiversity of Coral Reef Communities in Marginal Environments along the North-Eastern Coast of Trinidad, Southern Caribbean. *Progress in Aqua Farming and Marine Biology*.

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



Data availability

Total data available for selected taxonomic groups in Trinidad and Tobago



Mammals
15,385
occurrences



Birds
989,580
occurrences



Bony fish
12,592
occurrences



Amphibians
6,439
occurrences



Insects
68,266
occurrences



Reptiles
11,484
occurrences



Molluscs
16,138
occurrences



Arachnids
4,188
occurrences



Flowering plants
59,305
occurrences



Ferns
12,663
occurrences



Gymnosperms
53
occurrences



Mosses
2,928
occurrences



Sac fungi
7,329
occurrences



Basidiomycota
3,350
occurrences

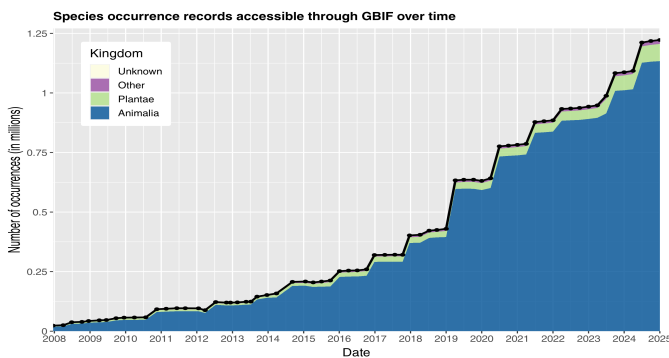
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

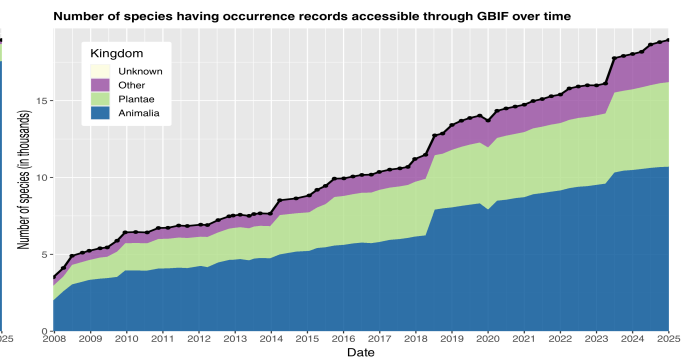
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Trinidad and Tobago



Occurrence records available about species occurring in Trinidad and Tobago



Species for which at least one occurrence record is available in Trinidad and Tobago

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 Trinidad and Tobago

Characterisation and Ecology of the Bon Accord Lagoon, Tobago, West Indies. *Published by Institute of Marine Affairs*
<https://doi.org/10.15468/qyy24h>

Seagrass species communities around Trinidad and Tobago. *Published by Institute of Marine Affairs*
<https://doi.org/10.15468/npsspq>

Polychaetes obtained from the Bon Accord Lagoon Tobago, Trinidad and Tobago. *Published by Institute of Marine Affairs*
<https://doi.org/10.15468/4vwz99>

Species distribution of Marine Invasive species Perna viridis in Trinidad and Tobago. *Published by Institute of Marine Affairs*
<https://doi.org/10.15468/tutwdt>

Historical assessments of Coastal Demersal Fish Stock for Trinidad and Tobago. *Published by Institute of Marine Affairs*
<https://doi.org/10.15468/j7hua7>

Hummelinck Trinidad and Tobago Mollusca Collection. *Published by The University of the West Indies Zoology Museum (UWIZM)*
<https://doi.org/10.15468/ps9gjx>

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

Newest publishers from Trinidad and Tobago

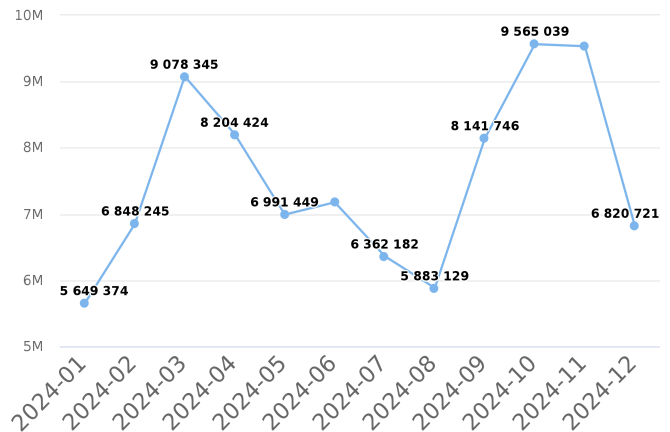
National Herbarium of Trinidad and Tobago

Institute of Marine Affairs

The University of the West Indies Zoology Museum (UWIZM)

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

Occurrence records downloaded from GBIF.org, published by institutions in Trinidad and Tobago

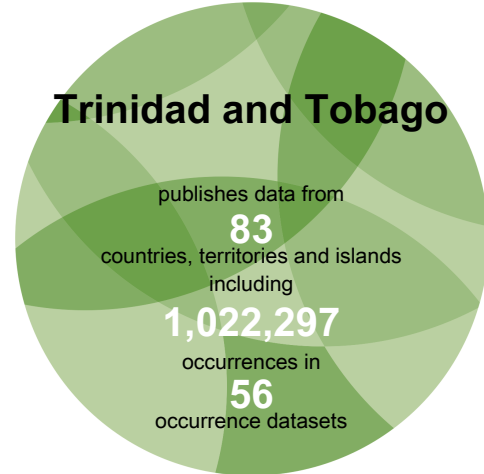
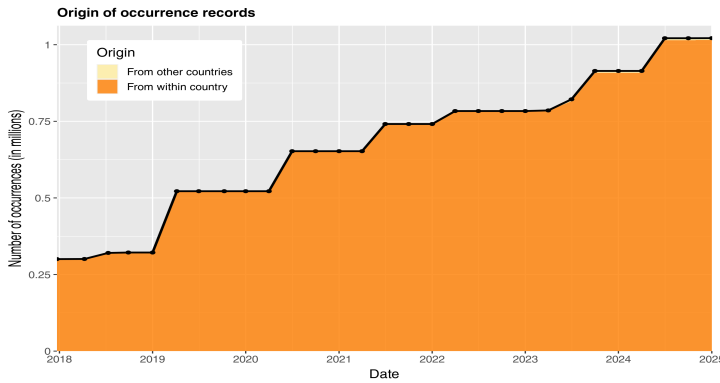


Number of occurrence records downloaded via GBIF.org published by institutions in Trinidad and Tobago



Data mobilization

Data sharing with country or area of origin by national institutions in Trinidad and Tobago



Data sharing with country or area of origin

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

Top data contributors about biodiversity in Trinidad and Tobago

Rank	Country or area	No. of occurrences
1	Trinidad and Tobago	1,015,117
2	United States of America	150,660
3	United Kingdom	28,507
4	Netherlands	8,445
5	Canada	5,448
6	Germany	5,348
7	International organization or unknown country	2,720
8	France	2,190
9	Sweden	2,070
10	Belgium	1,459

Table 1. Ranking of countries or areas contributing data about Trinidad and Tobago

Top datasets contributing data about Trinidad and Tobago

EOD – eBird Observation Dataset. *960,617 occurrences in Trinidad and Tobago.* (Last updated 27 Sep 2024)

iNaturalist Research-grade Observations. *45,264 occurrences in Trinidad and Tobago.* (Last updated 30 Dec 2024)

NMNH Extant Specimen Records (USNM, US). *23,663 occurrences in Trinidad and Tobago.* (Last updated 2 Jan 2025)

Specimens from the National Herbarium of Trinidad and Tobago. *18,290 occurrences in Trinidad and Tobago.* (Last updated 15 Jun 2023)

Natural History Museum (London) Collection Specimens. *10,909 occurrences in Trinidad and Tobago.* (Last updated 3 Jan 2025)

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



Trinidad and Tobago participates in the following projects coordinated by GBIF

Marine Biodiversity Hub

BID: Biodiversity Information for Development, 2021–2023

<https://www.gbif.org/project/BID-CA2020-004-INS>

Improving national biodiversity data accessibility in Trinidad and Tobago

BID: Biodiversity Information for Development, 2021–2023

<https://www.gbif.org/project/BID-CA2020-039-NAC>

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