

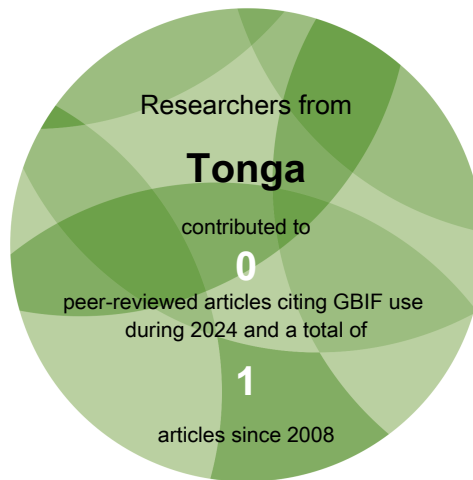


generated January 2025

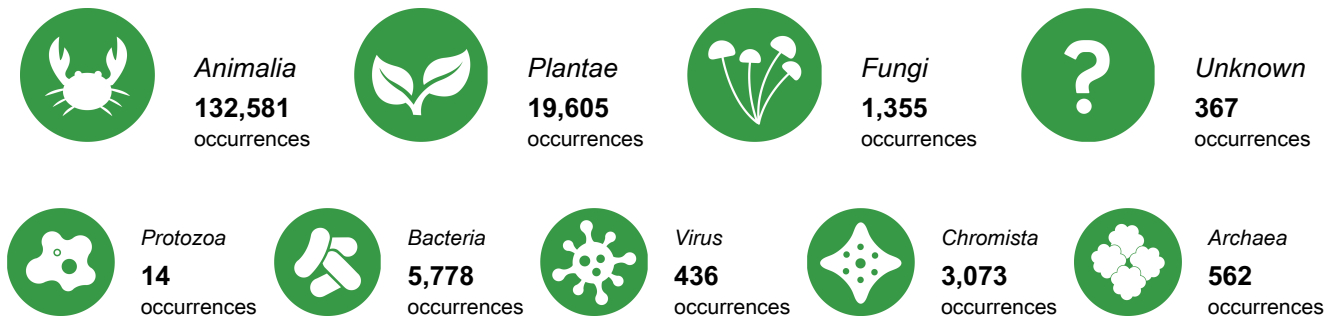
Tonga

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 Tonga. 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.

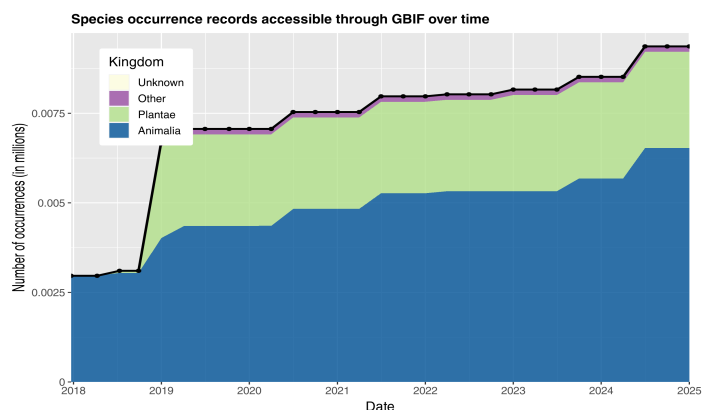
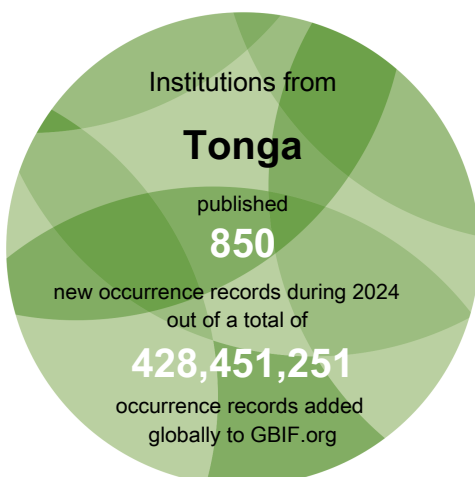
► Access and usage



► Data availability in Tonga



► Data mobilization

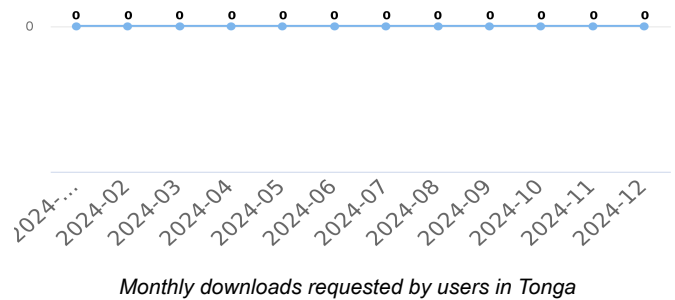
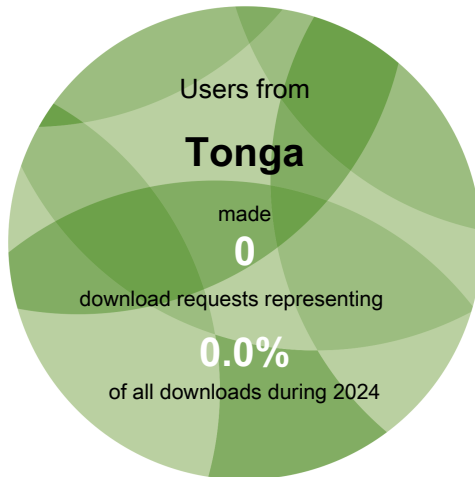


Number of records published by institutions in Tonga, categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Tonga



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

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 Tonga.

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

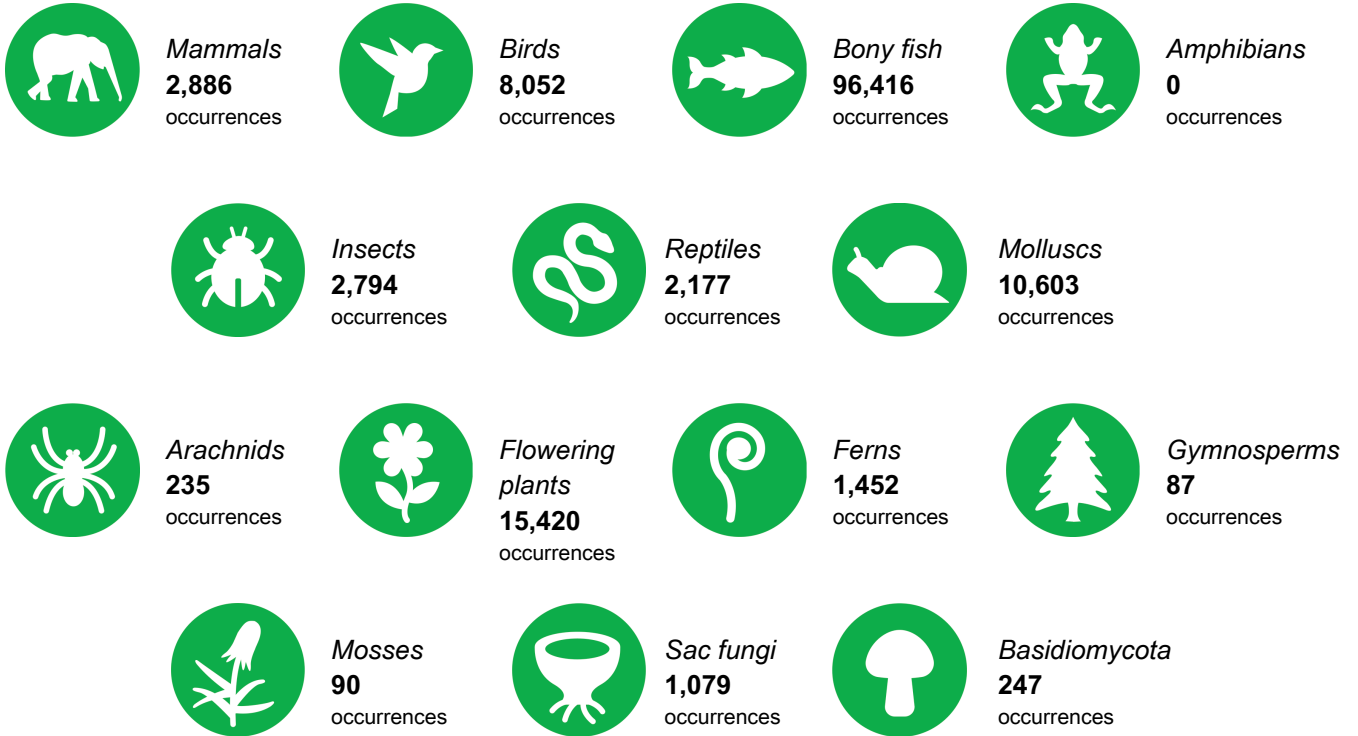
Adjonou, Abotsi, Segla *et al.* (2020) Vulnerability of African Rosewood (*Pterocarpus erinaceus*, Fabaceae) natural stands to climate change and implications for silviculture in West Africa. *Heliyon*.
<https://doi.org/10.1016/j.heliyon.2020.e04031>

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



Data availability

Total data available for selected taxonomic groups in Tonga



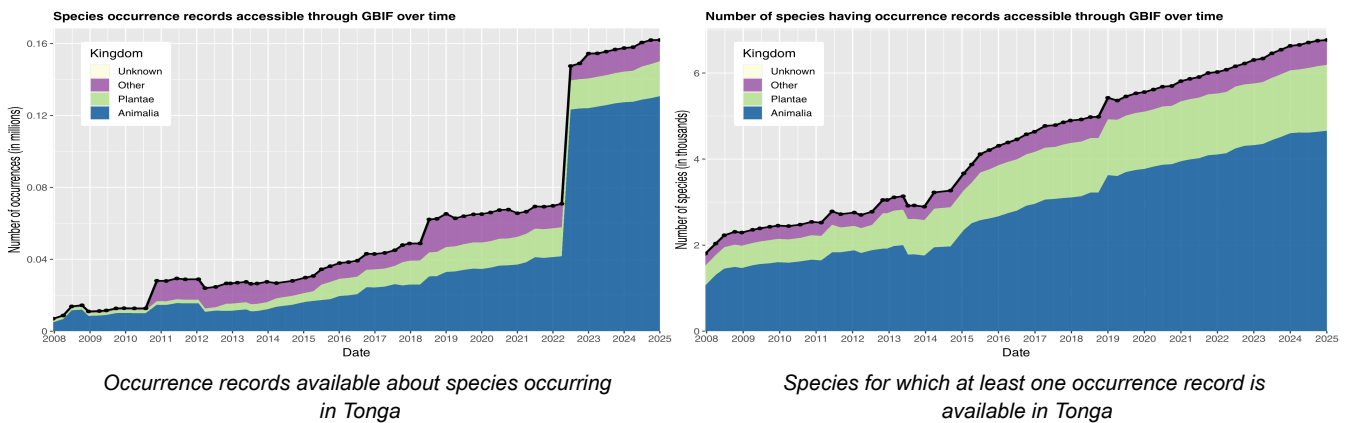
Mammals = Class *Mammalia*
 Birds = Class *Aves*
 Bony fish = Superclass
Osteichthyes p.p.
 Amphibians = Class *Amphibia*

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 Tonga



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 Tonga

Tonga Panama Rubber Tree Data. *Published by Department of Environment, Government of Tonga*
<https://doi.org/10.15468/x8nyjf>

Ridge to Reef Marine Monitoring of Fanga'uta Lagoon, Tonga, October 2017. *Published by Department of Environment, Government of Tonga*
<https://doi.org/10.15468/onkpwp>

List of Macroinvertebrate Species recorded in Vava'u during BioRAP survey. *Published by Department of Environment, Government of Tonga*
<https://doi.org/10.15468/brnm2p>

List of flora species recorded in Vavau during BioRAP. *Published by Department of Environment, Government of Tonga*
<https://doi.org/10.15468/iyvqiy>

List of Lizard species recorded in Vava'u during BioRAP. *Published by Department of Environment, Government of Tonga*
<https://doi.org/10.15468/2pyxbp>

List of Cetacean Species in Vava'u. *Published by Department of Environment, Government of Tonga*
<https://doi.org/10.15468/luttb0>

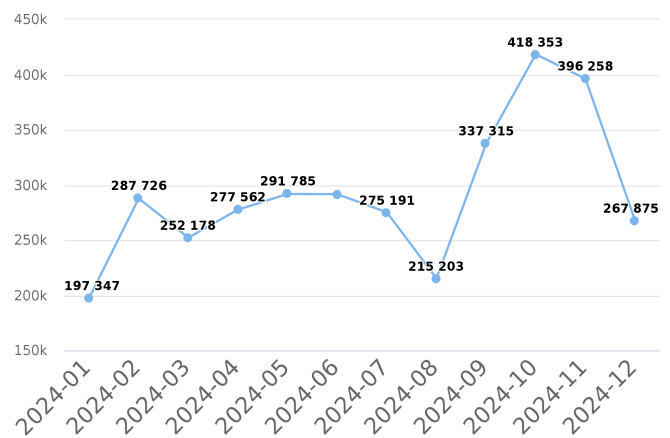
See all datasets from this country or area: gbif.org/dataset/search?publishing_country=TO

Newest publishers from Tonga

Vava'u Environmental Protection Association
Department of Environment, Government of Tonga

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

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

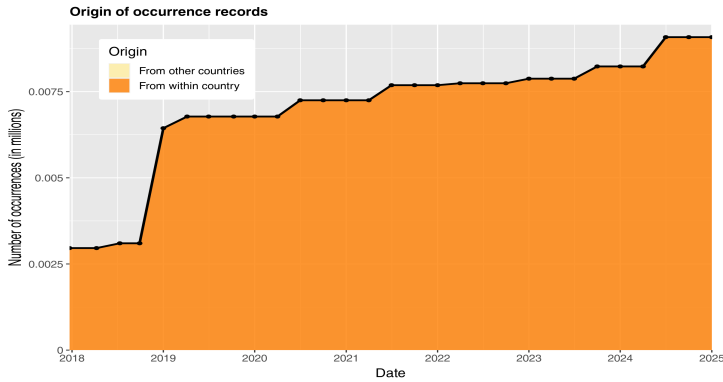


Number of occurrence records downloaded via GBIF.org published by institutions in Tonga

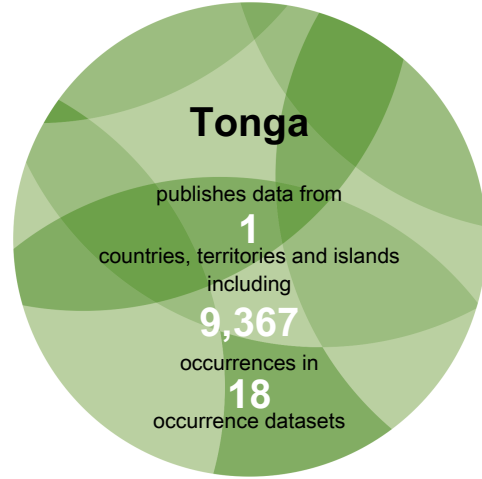


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Tonga

Rank	Country or area	No. of occurrences
1	New Zealand	88,980
2	United States of America	37,027
3	Tonga	9,085
4	Australia	7,706
5	United Kingdom	5,783
6	New Caledonia	4,159
7	Germany	3,342
8	France	2,689
9	Netherlands	1,615
10	International organization or unknown country	1,232

Table 1. Ranking of countries or areas contributing data about Tonga

Top datasets contributing data about Tonga

- Tonga reef fish survey data 2016-2018. *80,990 occurrences in Tonga.* (Last updated 17 Jun 2022)
- NMNH Extant Specimen Records (USNM, US). *12,197 occurrences in Tonga.* (Last updated 2 Jan 2025)
- EOD – eBird Observation Dataset. *5,473 occurrences in Tonga.* (Last updated 27 Sep 2024)
- MICROBIS database. *5,185 occurrences in Tonga.* (Last updated 23 Mar 2018)
- Bernice P. Bishop Museum. *4,161 occurrences in Tonga.* (Last updated 31 May 2017)

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