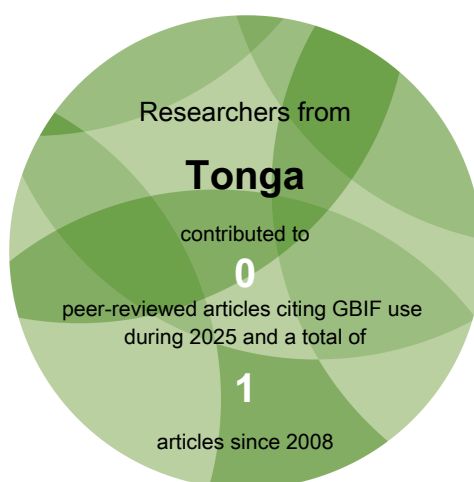


generated January 2026

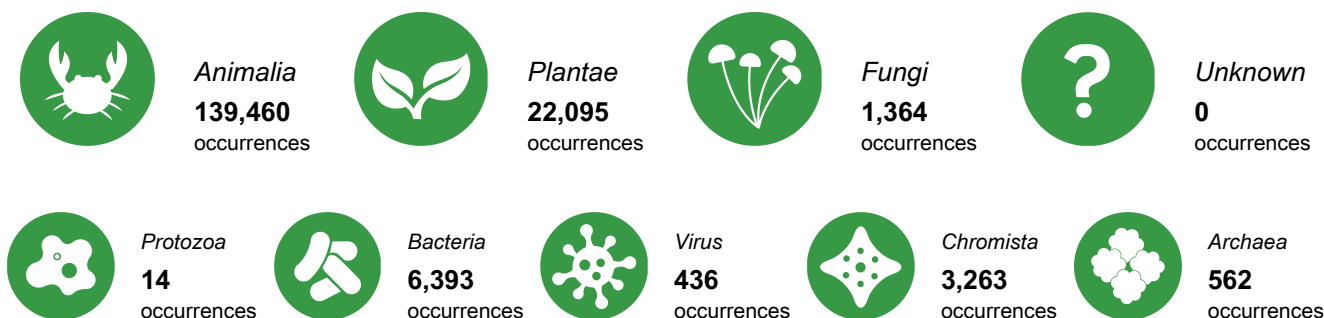
Tonga

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.

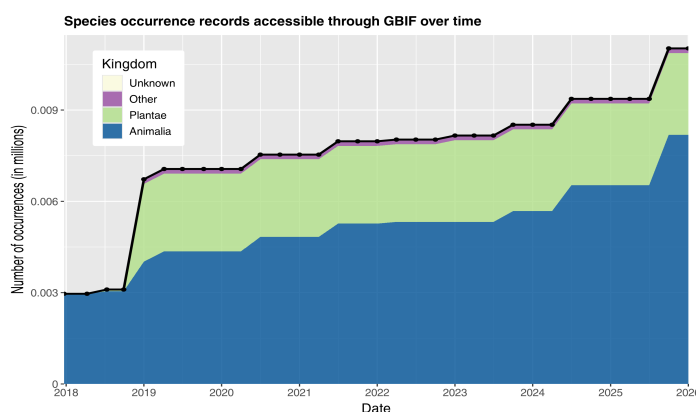
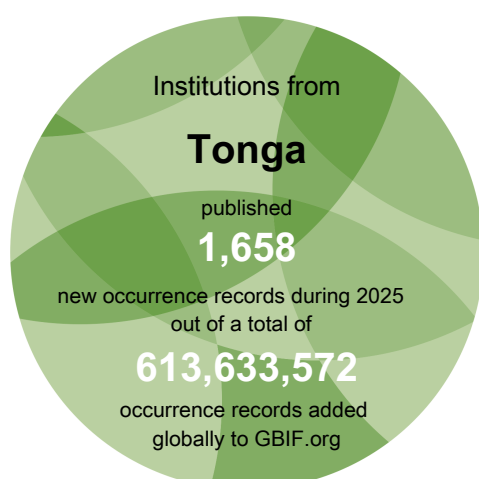
► Access and usage



► Data availability in Tonga



► Data mobilization

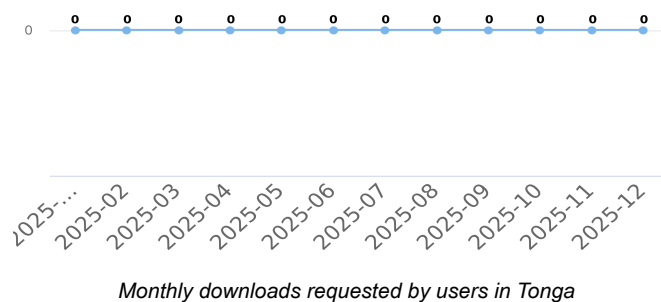
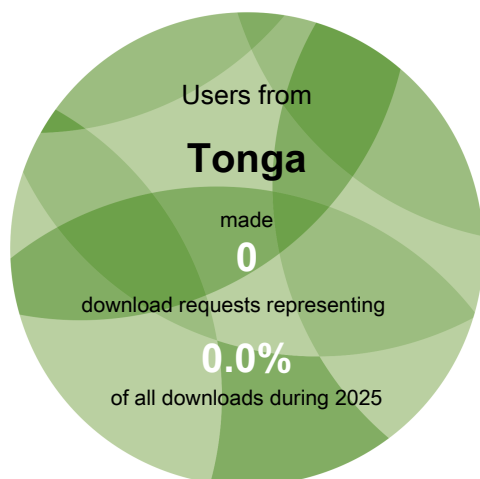


Number of records published by institutions in Tonga,
categorized by kingdom



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
5,197
occurrences



Birds
9,760
occurrences



Bony fish
97,002
occurrences



Amphibians
0
occurrences



Insects
3,242
occurrences



Reptiles
2,191
occurrences



Molluscs
11,323
occurrences



Arachnids
247
occurrences



Flowering plants
17,519
occurrences



Ferns
1,776
occurrences



Gymnosperms
112
occurrences



Mosses
99
occurrences



Sac fungi
1,093
occurrences



Basidiomycota
257
occurrences

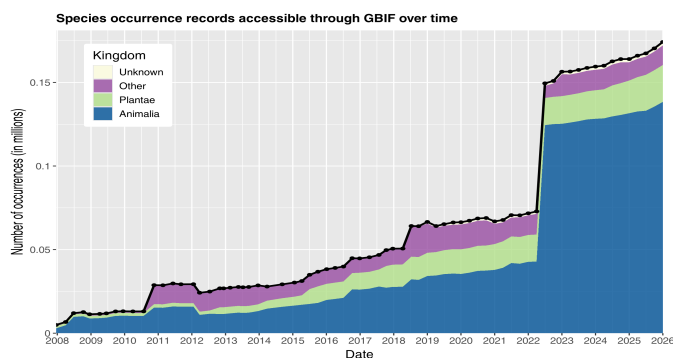
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

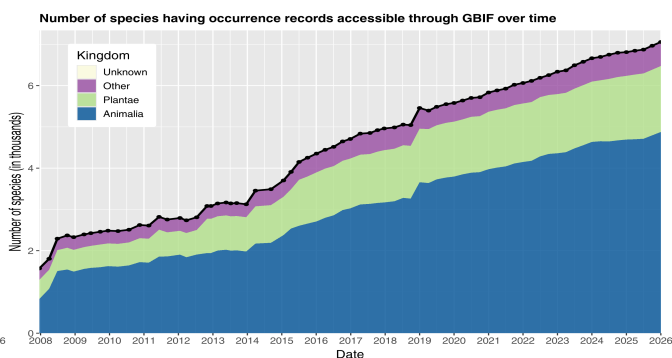
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Tonga



Occurrence records available about species occurring in Tonga



Species for which at least one occurrence record is available 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/iyyvqiy>

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>

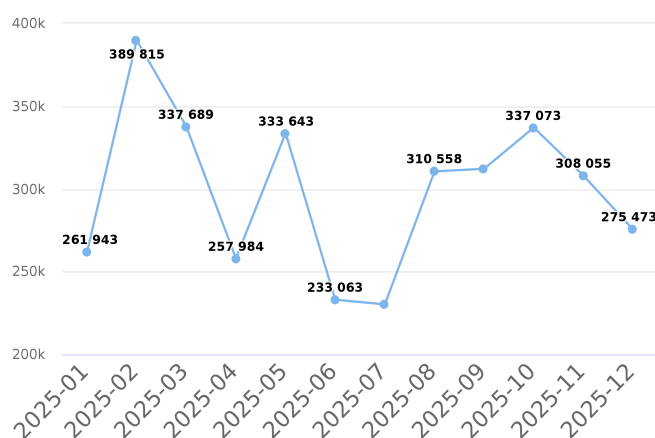
See all datasets from this country or area: gbif.org/dataset/search?publishing_country=TO

Newest publishers from Tonga

Vava'u Environmental Protection Association

Department of Environment, Government of Tonga

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



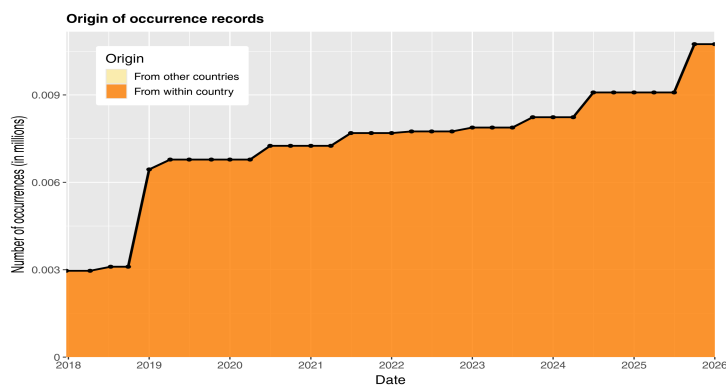
See all publishers from this country or area
gbif.org/publisher/search?country=TO

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

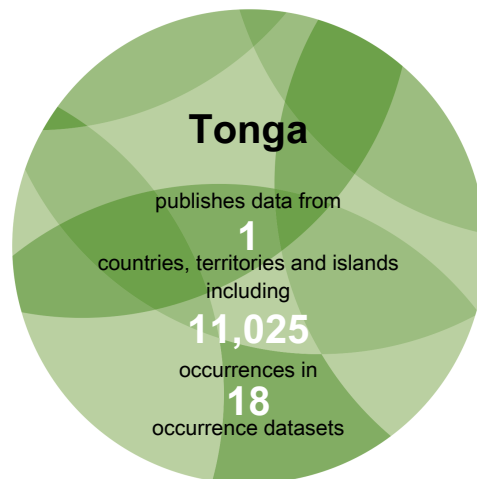


Data mobilization

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	89,785
2	United States of America	41,543
3	Tonga	10,743
4	Australia	7,951
5	United Kingdom	6,829
6	New Caledonia	4,159
7	Germany	3,960
8	France	2,754
9	Netherlands	1,621
10	International organization or unknown country	1,509

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). *12,187 occurrences in Tonga.* (Last updated 2 Jan 2026)
- EOD – eBird Observation Dataset. *7,131 occurrences in Tonga.* (Last updated 29 Oct 2025)
- MICROBIS database. *5,185 occurrences in Tonga.* (Last updated 23 Mar 2018)
- iNaturalist Research-grade Observations. *4,426 occurrences in Tonga.* (Last updated 31 Dec 2025)

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