

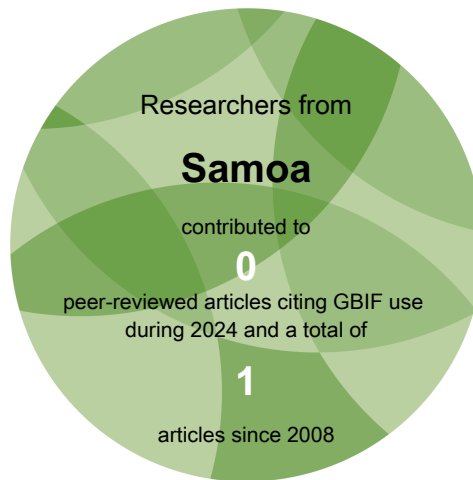


generated January 2025

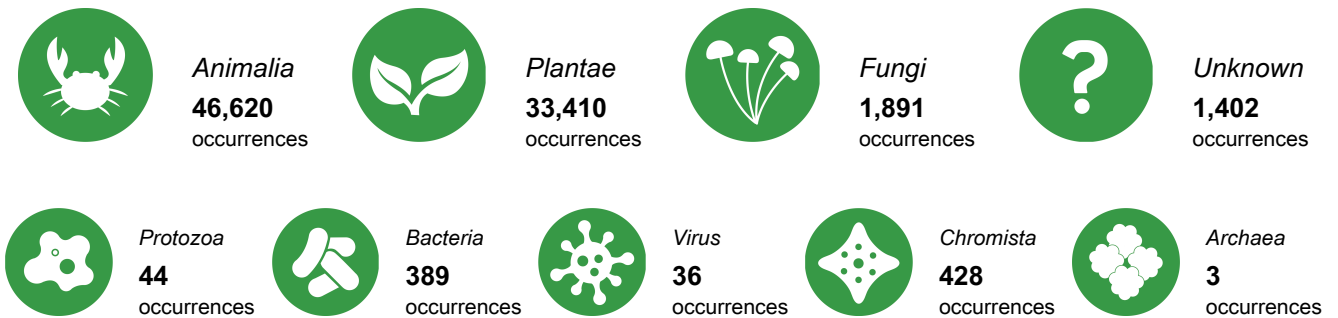
## Samoa

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 Samoa. 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.

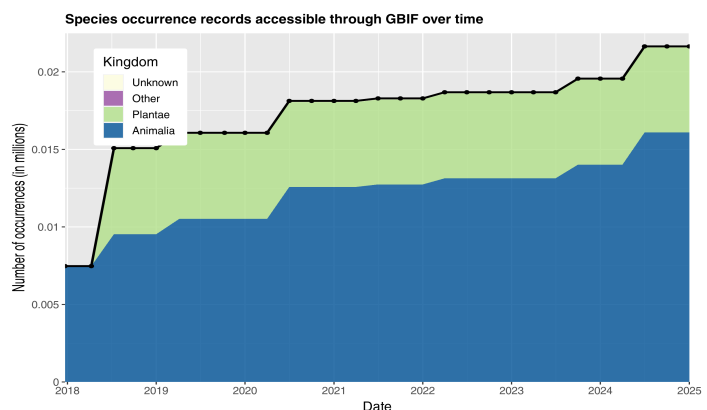
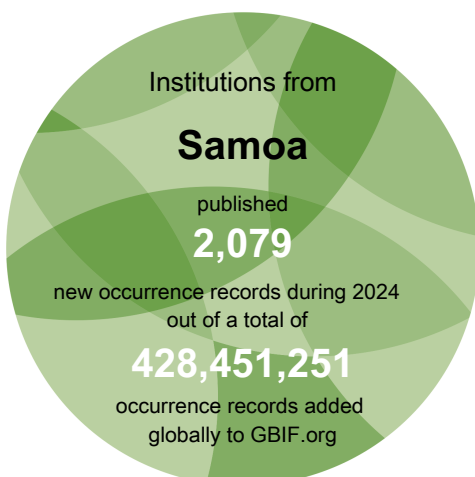
### ► Access and usage



### ► Data availability in Samoa



### ► Data mobilization

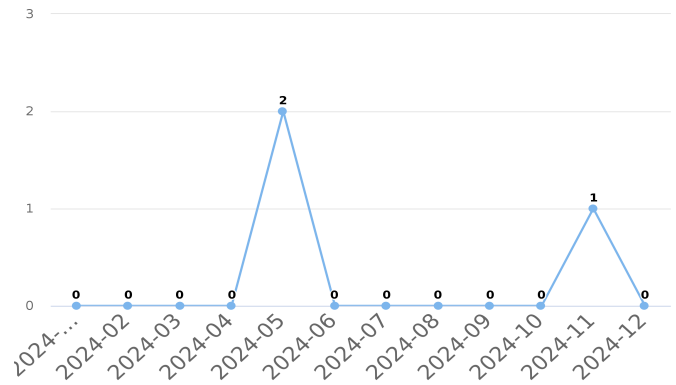
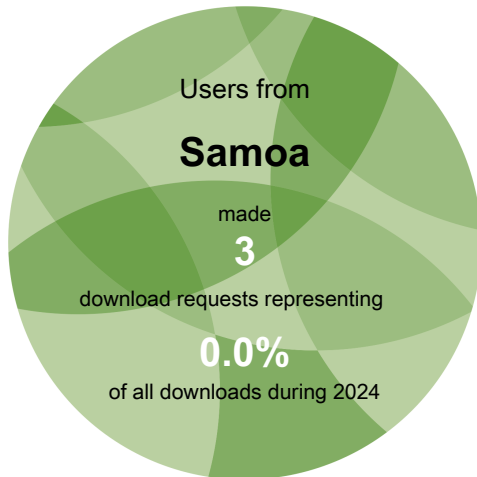


Number of records published by institutions in Samoa, categorized by kingdom



## Access and usage

### Data downloads on GBIF.org from users in Samoa



Monthly downloads requested by users in Samoa

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

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 Samoa.

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

McDonald, Brown, Kraus *et al.* (2022) Cryptic extinction risk in a western Pacific lizard radiation. *Biodiversity and Conservation*.  
<https://doi.org/10.1007/s10531-022-02412-x>

See all research from this country or area  
[gbif.org/country/WS/publications/from](https://gbif.org/country/WS/publications/from)



## Data availability

### Total data available for selected taxonomic groups in Samoa



**Mammals**  
339  
occurrences



**Birds**  
18,217  
occurrences



**Bony fish**  
8,662  
occurrences



**Amphibians**  
8  
occurrences



**Insects**  
4,372  
occurrences



**Reptiles**  
1,446  
occurrences



**Molluscs**  
7,865  
occurrences



**Arachnids**  
232  
occurrences



**Flowering plants**  
23,116  
occurrences



**Ferns**  
6,493  
occurrences



**Gymnosperms**  
18  
occurrences



**Mosses**  
2,134  
occurrences



**Sac fungi**  
1,142  
occurrences



**Basidiomycota**  
656  
occurrences

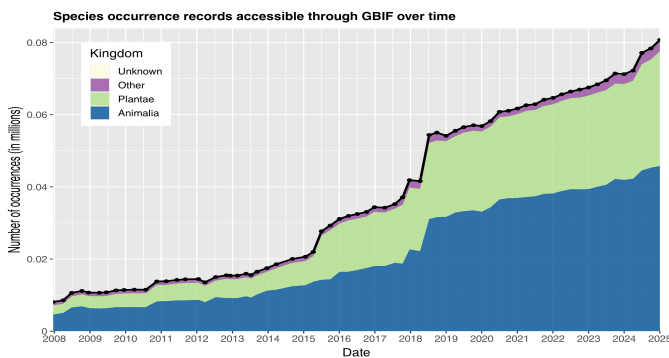
Mammals = Class *Mammalia*  
Birds = Class *Aves*  
Bony fish = Superclass  
*Osteichthyes* p.p.  
Amphibians = Class *Amphibia*

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

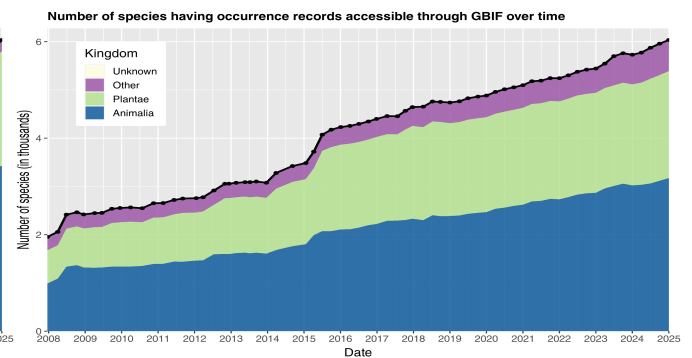
Arachnids = Class *Arachnida*  
Flowering plants = Phylum  
*Magnoliophyta*  
Gymnosperms = Superclass  
*Gymnospermae*

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

## Change over time in records about biodiversity in Samoa



Occurrence records available about species occurring in Samoa



Species for which at least one occurrence record is available in Samoa

### 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 Samoa

Samoa Biodiversity Database. *Published by Ministry of Natural Resources and Environment (MNRE)*  
<https://doi.org/10.15468/pqbljf>

Mt Vaea Restoration Project 2007. *Published by Ministry of Natural Resources and Environment (MNRE)*  
<https://doi.org/10.15468/runynt>

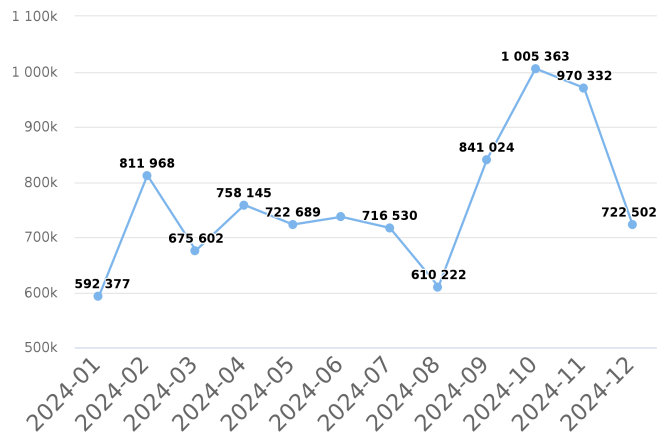
See all datasets from this country or area: [gbif.org/dataset/search?publishing\\_country=WS](https://gbif.org/dataset/search?publishing_country=WS)

### Newest publishers from Samoa

Ministry of Natural Resources and Environment (MNRE)

See all publishers from this country or area  
[gbif.org/publisher/search?country=WS](https://gbif.org/publisher/search?country=WS)

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

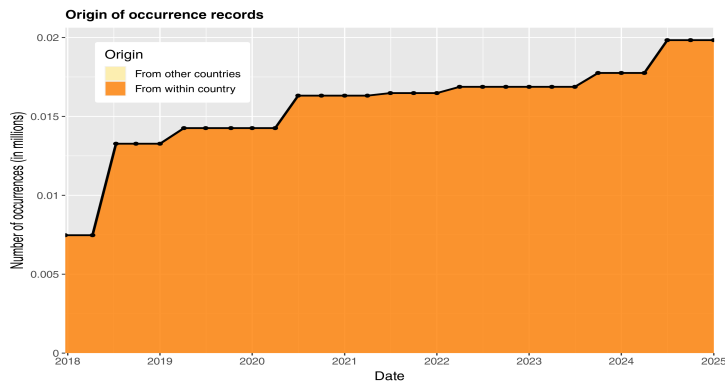


Number of occurrence records downloaded via GBIF.org published by institutions in Samoa

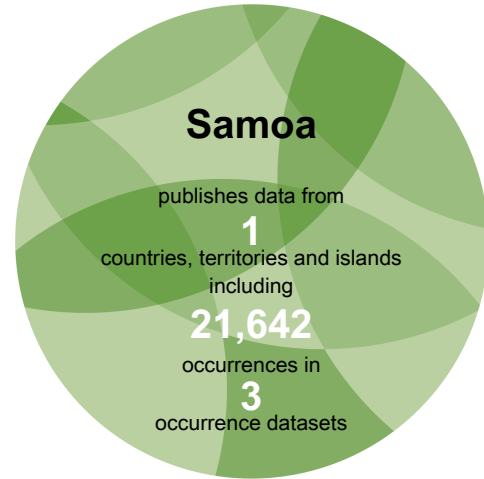


## Data mobilization

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



Data sharing with country or area of origin



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

### Top data contributors about biodiversity in Samoa

Rank	Country or area	No. of occurrences
1	United States of America	30,033
2	Samoa	21,642
3	United Kingdom	7,684
4	New Caledonia	7,139
5	New Zealand	4,605
6	Australia	3,426
7	Netherlands	1,778
8	Sweden	1,731
9	Germany	1,204
10	France	801

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

### Top datasets contributing data about Samoa

EOD – eBird Observation Dataset. *14,035 occurrences in Samoa.* (Last updated 27 Sep 2024)

Samoa Biodiversity Database. *7,539 occurrences in Samoa.* (Last updated 2 May 2018)

NMNH Extant Specimen Records (USNM, US). *7,029 occurrences in Samoa.* (Last updated 2 Jan 2025)

Bernice P. Bishop Museum. *6,921 occurrences in Samoa.* (Last updated 31 May 2017)

SPC PROCFish/C Fish Observations Samoa 2005. *4,034 occurrences in Samoa.* (Last updated 23 Aug 2018)

See all contributing countries and areas or datasets: [gbif.org/country/WS/about](https://gbif.org/country/WS/about)



## Samoa participates in the following projects coordinated by GBIF

### Strengthening processes for invasive species and biodiversity data mobilization in the Pacific region

*BID: Biodiversity Information for Development, 2021–2023*

<https://www.gbif.org/project/BID-PA2020-004-REG>

### Using invasive species and biodiversity data for decision-making in the Pacific region

*BID: Biodiversity Information for Development, 2021–2023*

<https://www.gbif.org/project/BID-PA2020-003-USE>

### Building capacity at SPREP for data mobilization and use

*BID: Biodiversity Information for Development, 2021–2023*

<https://www.gbif.org/project/BID-PA2020-002-INS>

### Regional and national alien and invasive species data mobilization and capacity building in the Pacific

*BID: Biodiversity Information for Development, 2017–2019*

This project seeks to establish a more seamless flow of high-quality data on alien and invasive species to users and stakeholders at every scale of society.

<https://www.gbif.org/project/83306>

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