

generated January 2026

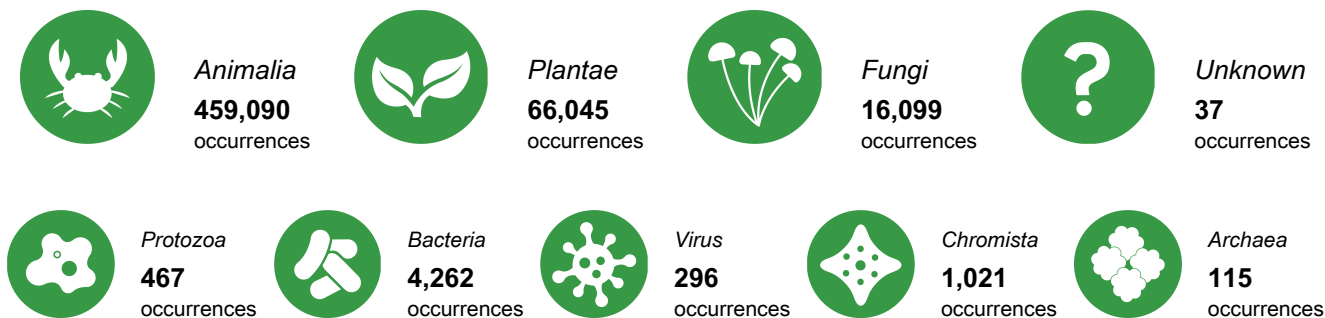
Rwanda

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 Rwanda. 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.

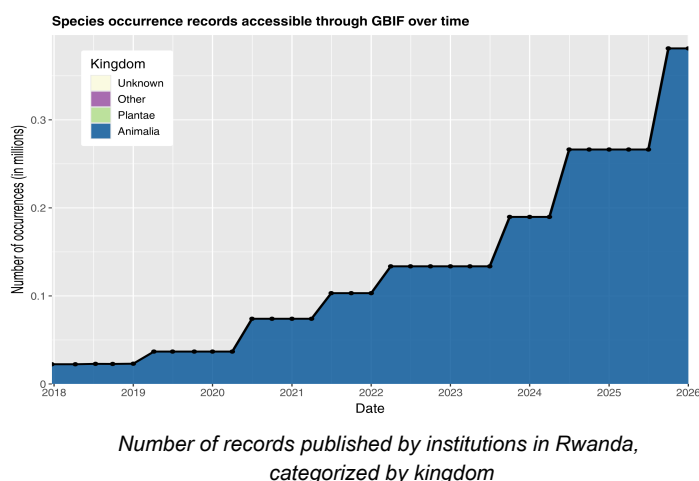
► Access and usage



► Data availability in Rwanda



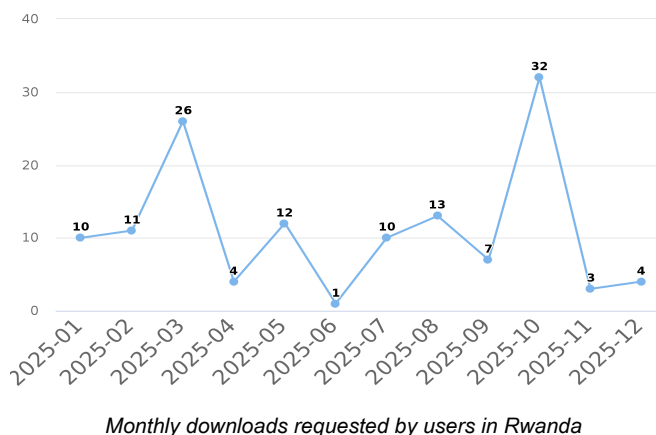
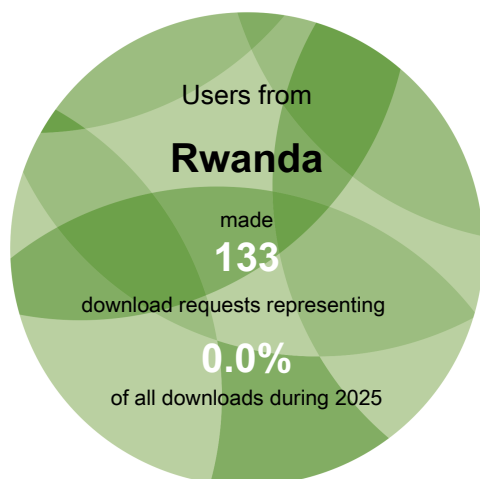
► Data mobilization





Access and usage

Data downloads on GBIF.org from users in Rwanda



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

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 Rwanda.

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

Gabriel, Wang, Zu *et al.* (2025) Geospatial and modelling analyses reveal diverse tick and tick-associated microbes in the East African Community. *Infectious Diseases of Poverty*.
<https://doi.org/10.1186/s40249-025-01310-y>

Du, Njenga, Mbuni *et al.* (2024) Diversity and conservation of medicinal plants in tropical East Africa. *Biodiversity and Conservation*.
<https://doi.org/10.1007/s10531-024-02983-x>

Cuni-Sanchez, Martin, Uzabaho *et al.* (2024) Evidence of thermophilization in Afromontane forests. *Nature Communications*.
<https://doi.org/10.1038/s41467-024-48520-w>

Sikazwe, Yocgo, Landi *et al.* (2024) Current and future scenarios of suitability and expansion of cassava brown streak disease, Bemisia tabaci species complex, and cassava planting in Africa. *PeerJ*.
<https://doi.org/10.7717/peerj.17386>

Meltus, Mudereri, Mutamiswa *et al.* (2024) Host tree-based scenario modelling for predicting a key edible insect, mopane worm Gonimbrasia belina (Westwood, 1894) distribution in Southern Africa. *Journal of Insects as Food and Feed*.
<https://doi.org/10.1163/23524588-00001055>

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



Data availability

Total data available for selected taxonomic groups in Rwanda



Mammals
11,626
occurrences



Birds
403,640
occurrences



Bony fish
12,412
occurrences



Amphibians
3,683
occurrences



Insects
15,958
occurrences



Reptiles
1,801
occurrences



Molluscs
128
occurrences



Arachnids
8,300
occurrences



Flowering plants
59,121
occurrences



Ferns
2,458
occurrences



Gymnosperms
119
occurrences



Mosses
2,604
occurrences



Sac fungi
10,284
occurrences



Basidiomycota
3,924
occurrences

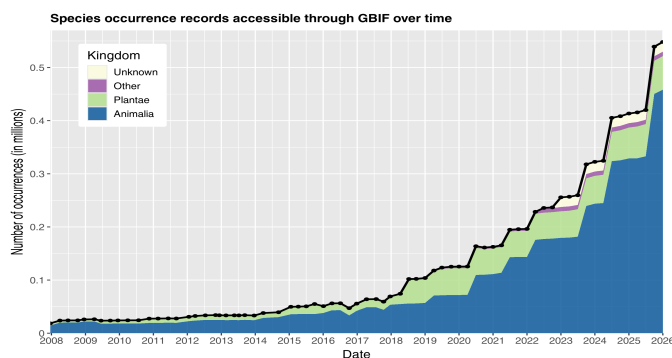
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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

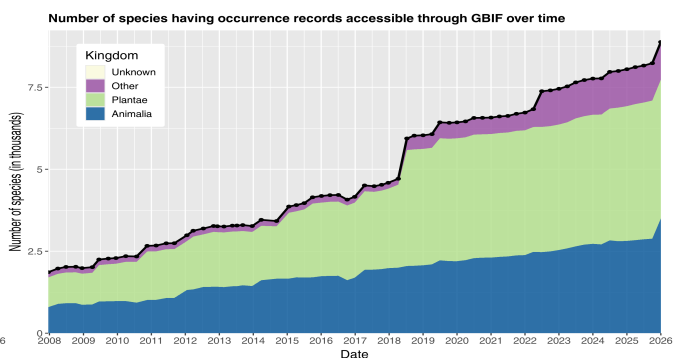
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

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

Change over time in records about biodiversity in Rwanda



Occurrence records available about species occurring in Rwanda



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

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 Rwanda

Bird pollinator populations in Agroecosystems of Rwanda: a baseline perspective for pollinator conservation. *Published by Nature Rwanda*
<https://doi.org/10.15468/hsfq2d>

Rwanda's wetlands biodiversity data from different inventories that were conducted between year 2008 and 2017. *Published by Centre of Excellence in Biodiversity and Natural Resources Management*
<https://doi.org/10.15468/cfmjff>

Freshwater biodiversity of Rwanda, data recorded from theses of students of University of Rwanda (UR). *Published by Centre of Excellence in Biodiversity and Natural Resources Management*
<https://doi.org/10.15468/msqavy>

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

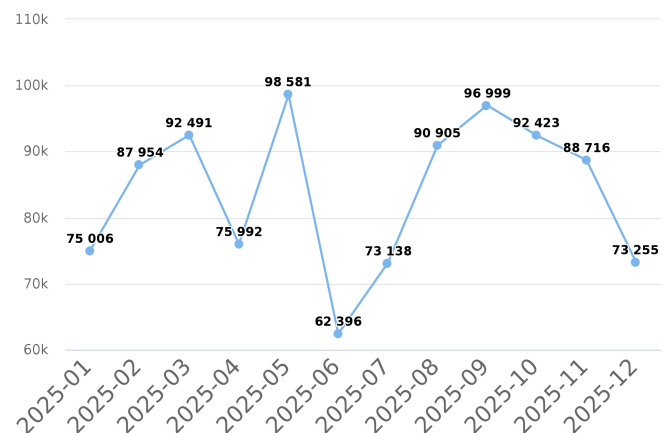
Newest publishers from Rwanda

Nature Rwanda

Centre of Excellence in Biodiversity and Natural Resources Management

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

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

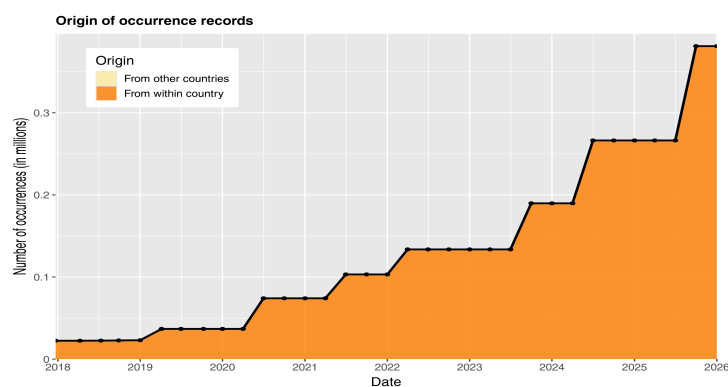


Number of occurrence records downloaded via GBIF.org published by institutions in Rwanda

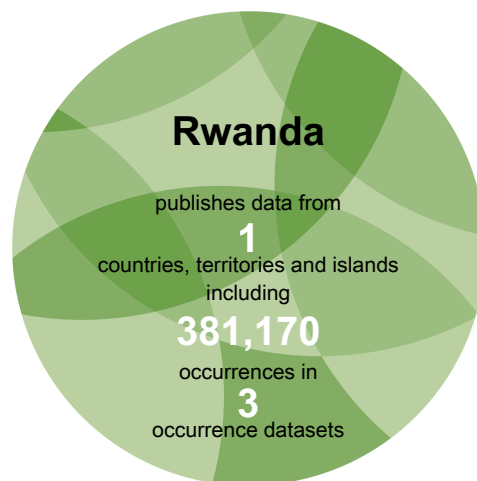


Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Rwanda

Rank	Country or area	No. of occurrences
1	Rwanda	381,170
2	Belgium	66,768
3	United States of America	26,354
4	Estonia	23,735
5	Netherlands	14,499
6	International organization or unknown country	9,836
7	United Kingdom	8,695
8	Sweden	4,574
9	Germany	3,293
10	France	2,003

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

Top datasets contributing data about Rwanda

EOD – eBird Observation Dataset. *380,550 occurrences in Rwanda.* (Last updated 29 Oct 2025)

Meise Botanic Garden Herbarium (BR). *31,897 occurrences in Rwanda.* (Last updated 22 Jul 2025)

Global soil organisms. *18,023 occurrences in Rwanda.* (Last updated 27 Feb 2023)

iNaturalist Research-grade Observations. *14,064 occurrences in Rwanda.* (Last updated 31 Dec 2025)

RBINS DaRWIn. *6,264 occurrences in Rwanda.* (Last updated 11 Mar 2021)

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