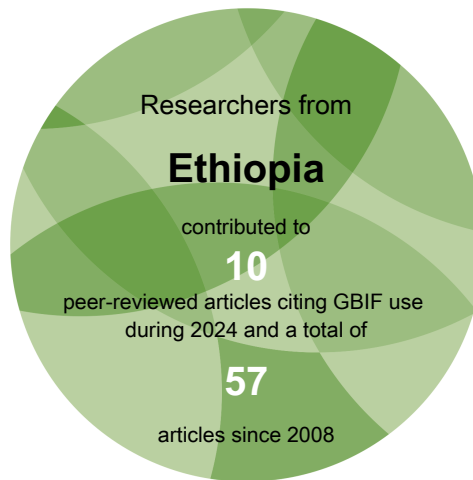


generated January 2025

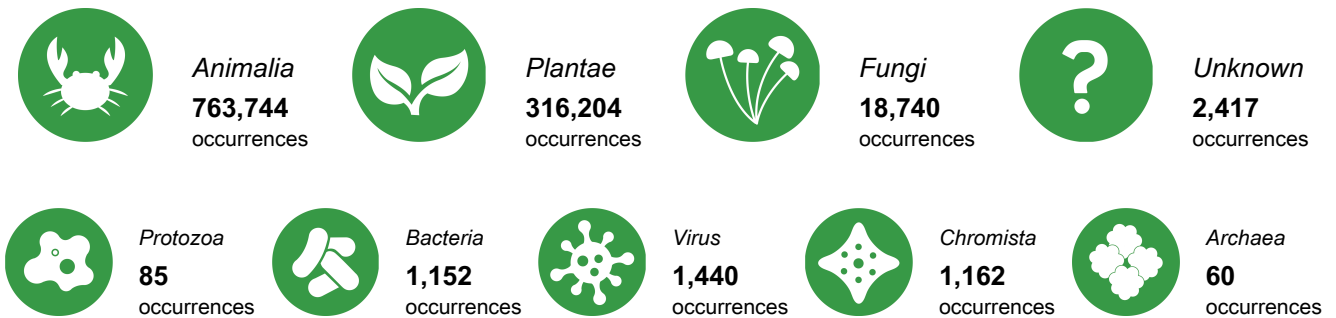
## Ethiopia

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 Ethiopia. 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.

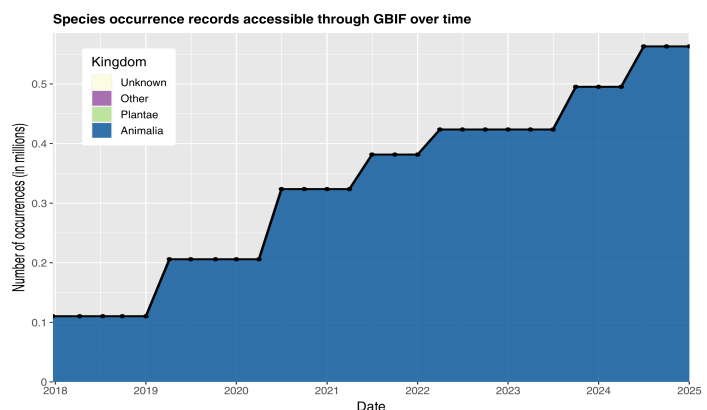
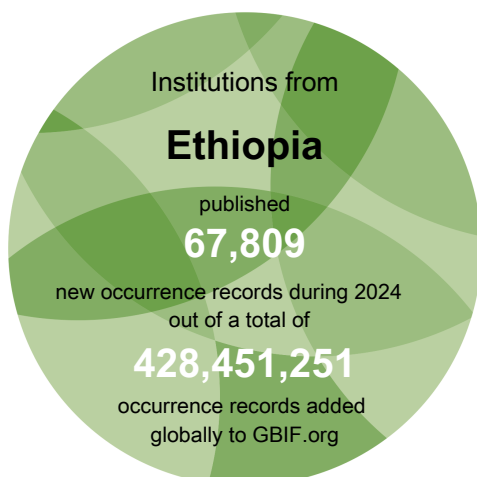
### ► Access and usage



### ► Data availability in Ethiopia



### ► Data mobilization

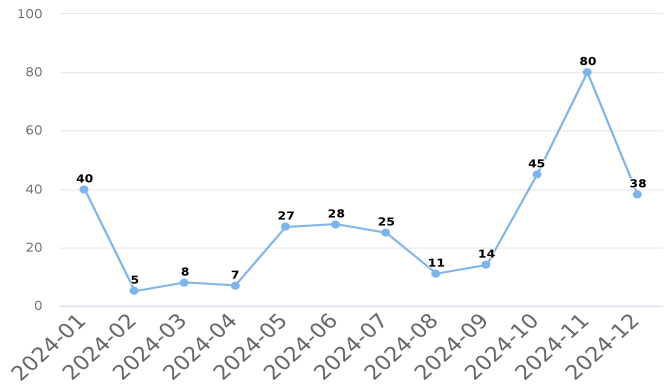
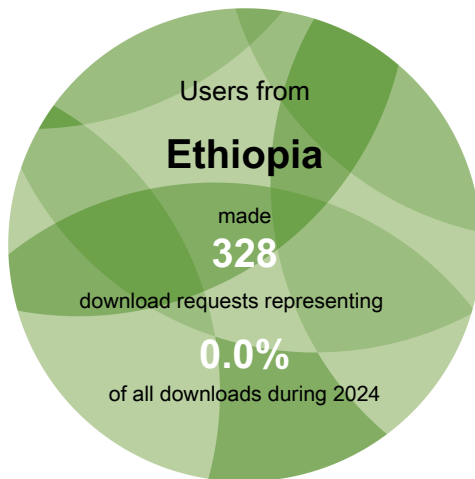


Number of records published by institutions in Ethiopia, categorized by kingdom



## Access and usage

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



Monthly downloads requested by users in Ethiopia

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

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 Ethiopia.

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).

Hussein, Estifanos, Negese. (2024) Impact of climate change on the distribution of the invasive water hyacinth in Ethiopia. *African Journal of Aquatic Science*.

<https://doi.org/10.2989/16085914.2024.2421797>

Yasin. (2024) Characterizing and modeling spatiotemporal trends in rangelands: *Prosopis juliflora* impact in middle Awash Basin, Ethiopia. *Journal of Environmental Management*.

<https://doi.org/10.1016/j.jenvman.2024.123336>

Argaw, Bekele, Atickem *et al.* (2024) Habitat suitability and distribution patterns of Rouget's rail (*Rougetius rougetii* Guérin-méneville, 1843) in Ethiopia. *Ecology and Evolution*.

<https://doi.org/10.1002/ece3.70276>

Aligaz, Bekele, Bogale. (2024) Predicting climate change impact on the habitat of Ethiopia's spot-breasted lapwing using ensemble model. *Global Ecology and Conservation*.

<https://doi.org/10.1016/j.gecco.2024.e03139>

Aligaz, Kufa, Ahmed *et al.* (2024) Distribution and extent of suitable habitats of Ruspoli's Turaco (*Tauraco ruspolii*) and White-cheeked Turaco (*Tauraco leucotis*) under a changing climate in Ethiopia. *BMC Ecology and Evolution*.

<https://doi.org/10.1186/s12862-024-02245-y>

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



## Data availability

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



**Mammals**  
20,227  
occurrences



**Birds**  
695,032  
occurrences



**Bony fish**  
5,639  
occurrences



**Amphibians**  
3,766  
occurrences



**Insects**  
29,045  
occurrences



**Reptiles**  
2,942  
occurrences



**Molluscs**  
1,843  
occurrences



**Arachnids**  
477  
occurrences



**Flowering plants**  
307,302  
occurrences



**Ferns**  
4,681  
occurrences



**Gymnosperms**  
376  
occurrences



**Mosses**  
2,711  
occurrences



**Sac fungi**  
11,850  
occurrences



**Basidiomycota**  
5,109  
occurrences

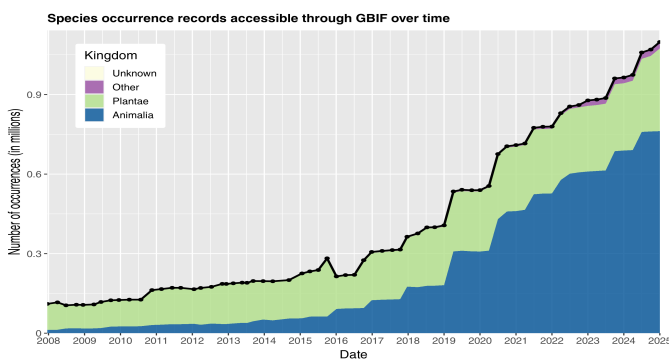
Mammals = Class *Mammalia*  
Birds = Class *Aves*  
Bony fish = Superclass  
*Osteichthyes* p.p.  
Amphibians = Class *Amphibia*

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

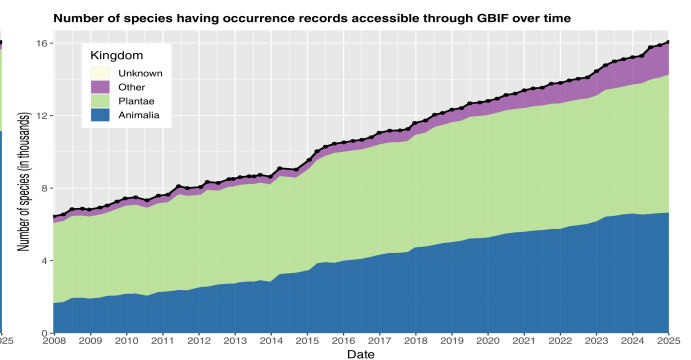
Arachnids = Class *Arachnida*  
Flowering plants = Phylum  
*Magnoliophyta*  
Gymnosperms = Superclass  
*Gymnospermae*

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

## Change over time in records about biodiversity in Ethiopia



Occurrence records available about species occurring in Ethiopia



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

### 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.

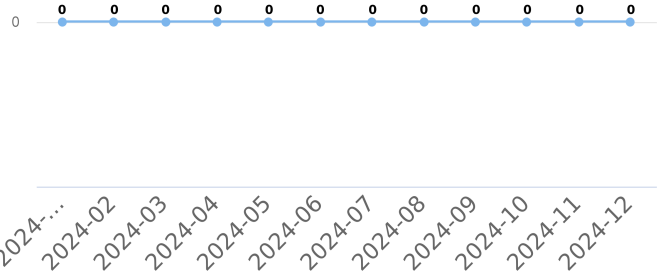
**SPECIES COUNTS** represent the number of binomial scientific names for which GBIF has received data records, organized as far as possible using synonyms recorded in key databases like the Catalogue of Life



### Newest publishers from Ethiopia

No data available

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



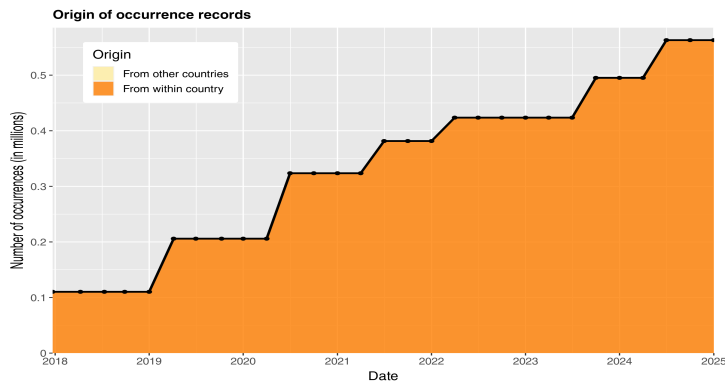
See all publishers from this country or area  
[gbif.org/publisher/search?country=ET](https://gbif.org/publisher/search?country=ET)

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

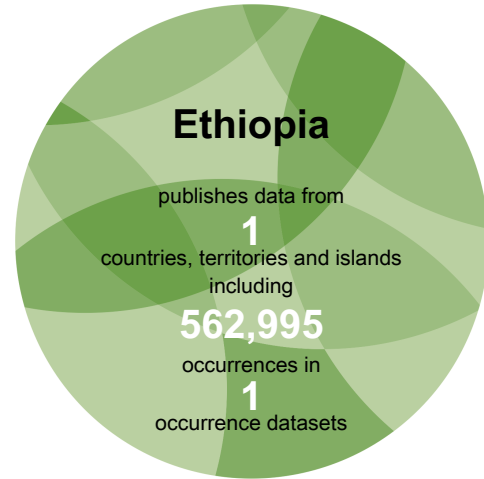


## Data mobilization

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



Data sharing with country or area of origin



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

### Top data contributors about biodiversity in Ethiopia

Rank	Country or area	No. of occurrences
1	Ethiopia	562,995
2	United States of America	96,282
3	Netherlands	90,696
4	Estonia	65,625
5	United Kingdom	59,600
6	International organization or unknown country	56,615
7	Colombia	54,776
8	Belgium	23,801
9	Germany	22,548
10	Norway	20,743

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

### Top datasets contributing data about Ethiopia

EOD – eBird Observation Dataset. *562,995 occurrences in Ethiopia.* (Last updated 27 Sep 2024)

A global database for the distributions of crop wild relatives. *54,760 occurrences in Ethiopia.* (Last updated 9 Feb 2024)

BirdMap Data - GPS tracking of Storks, Cranes and birds of prey, breeding in Northern and Eastern Europe. *51,535 occurrences in Ethiopia.* (Last updated 16 Jul 2024)

Naturalis Biodiversity Center (NL) - Botany. *47,436 occurrences in Ethiopia.* (Last updated 1 Nov 2024)

Observation.org, Nature data from around the World. *37,303 occurrences in Ethiopia.* (Last updated 3 Jan 2025)

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



## Ethiopia participates in the following projects coordinated by GBIF

### Biodiversity Information for Development and Environmental Resilience in Southwestern Ethiopia (BIDERSE)

*BID: Biodiversity Information for Development, 2017–2018*

Kafa Biosphere Reserve (KBR) is a home to the last surviving moist evergreen montane forests in the eastern Afromontane biodiversity hotspot. This biosphere reserve covers an area of more than 7500 km<sup>2</sup>, of which 47% is covered with forests. It is the origin and center of *Coffea arabica*'s genetic diversity and therefore as a globally significant in situ gene bank. This project will establish a regional database for protected areas of the KBR and other collection of fauna and flora in the southwestern region.

<https://www.gbif.org/project/3ynafsuu0ME8leMqcOS26i>

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