![GBIF logo] GBIF | Global Biodiversity Information Facility
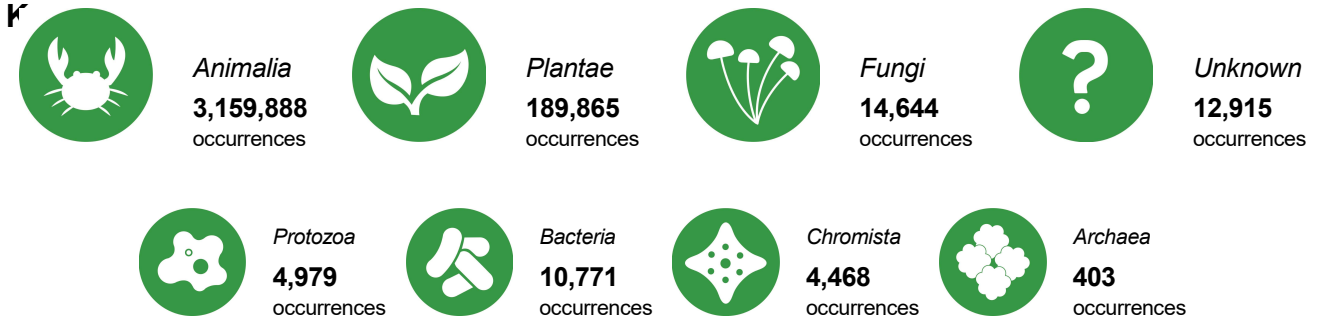
Activity report

Kenya

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 Kenya. 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.
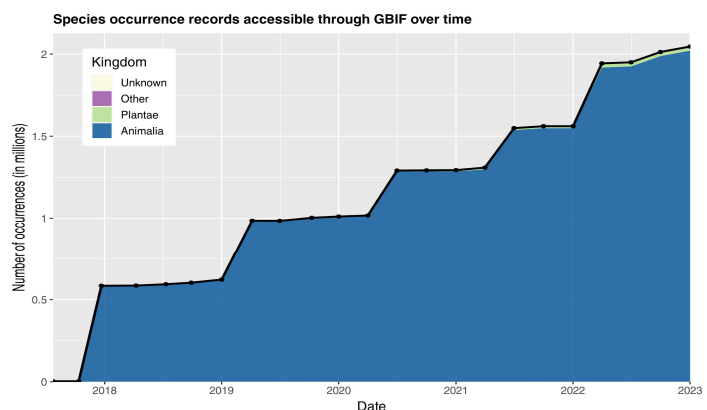
▶ Access and usage

Researchers from

Kenya

contributed to

19

peer-reviewed articles citing GBIF use during 2022 and a total of

74

articles since 2008

▶ Data availability in Kenya

Animalia
3,159,888
occurrences

Plantae
189,865
occurrences

Fungi
14,644
occurrences

Unknown
12,915
occurrences

Protozoa
4,979
occurrences

Bacteria
10,771
occurrences

Chromista
4,468
occurrences

Archaea
403
occurrences

▶ Data mobilization

Institutions from

Kenya

published

484,786

new occurrence records during 2022 out of a total of

369,598,378

occurrence records added globally to GBIF.org

Species occurrence records accessible through GBIF over time
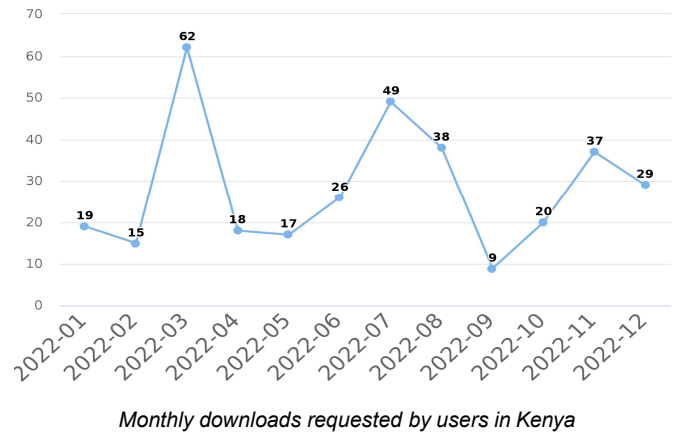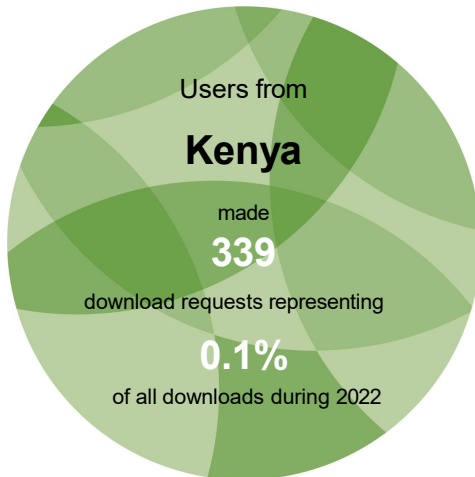
Kingdom: Unknown, Other, Plantae, Animalia

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

Access and usage

Data downloads on GBIF.org from users in Kenya

Users from

Kenya

made

339

download requests representing

0.1%

of all downloads during 2022

Monthly downloads requested by users in Kenya

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

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 Kenya.

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

de Jong, d'Huart, Butynski. (2022) Biogeography and conservation of desert warthog Phacochoerus aethiopicus and common warthog Phacochoerus africanus (Artiodactyla: Suidae) in the Horn of Africa. *Mammalia.*
https://doi.org/10.1515/mammalia-2022-0048

Waititu, Mundia, Sichangi. (2022) Assessing distribution changes of selected native and alien invasive plant species under changing climatic conditions in Nyeri County, Kenya. *PLOS ONE.*
https://doi.org/10.1371/journal.pone.0275360

Ngarega, Gikonyo, Wanga *et al.* (2022) Threatened Fabaceae taxa in coastal East Africa: Current and future modelled distributions and conservation priorities. *South African Journal of Botany.*
https://doi.org/10.1016/j.sajb.2022.08.033

Kamau, Karichu, Ngarega *et al.* (2022) The potential distributions of African Azolla species and their implications for African wetland ecosystems for the future. *Ecology and Evolution.*
https://doi.org/10.1002/ece3.9210

Fallas Conejo, Fremout, Hien *et al.* (2022) Food tree species selection for nutrition-sensitive forest landscape restoration in Burkina Faso. *Plants, People, Planet.*
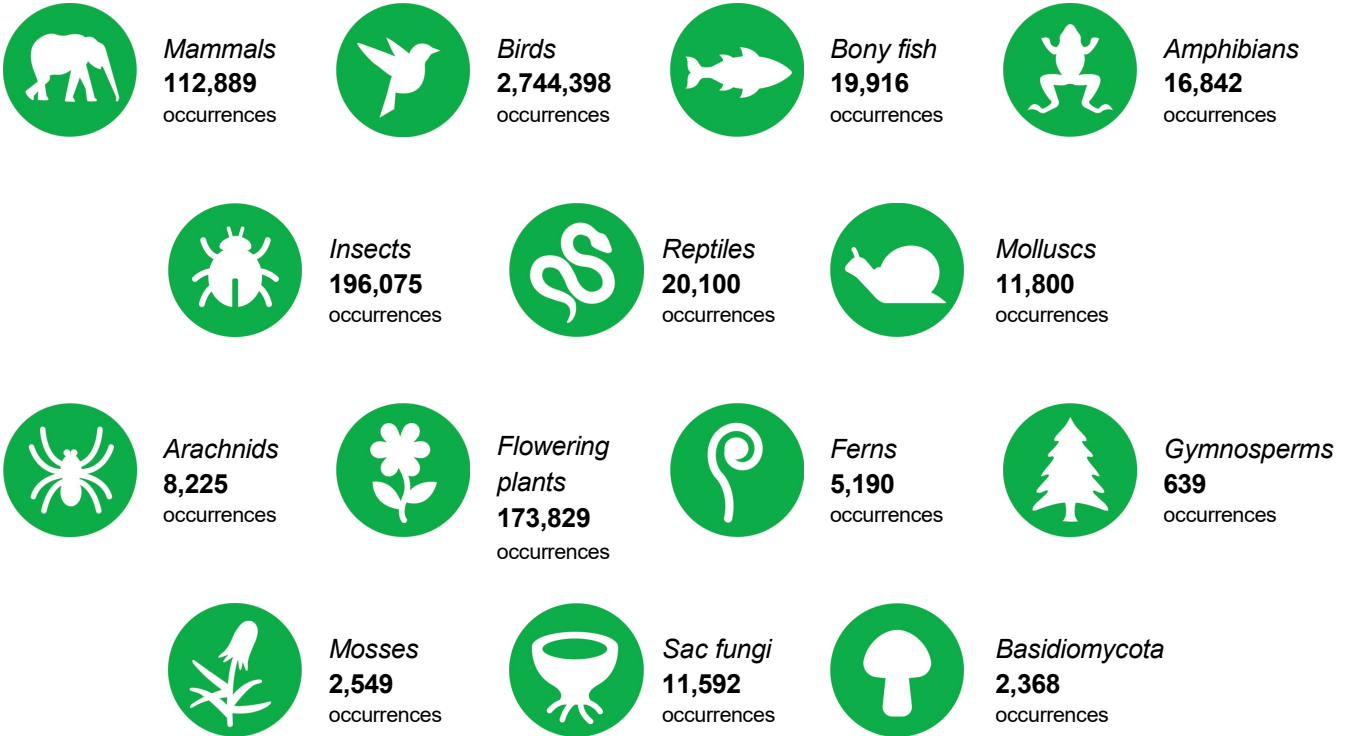https://doi.org/10.1002/ppp3.10304

Data availability

Total data available for selected taxonomic groups in Kenya

Mammals
112,889
occurrences

Birds
2,744,398
occurrences

Bony fish
19,916
occurrences

Amphibians
16,842
occurrences

Insects
196,075
occurrences

Reptiles
20,100
occurrences

Molluscs
11,800
occurrences

Arachnids
8,225
occurrences

Flowering plants
173,829
occurrences

Ferns
5,190
occurrences

Gymnosperms
639
occurrences

Mosses
2,549
occurrences

Sac fungi
11,592
occurrences

Basidiomycota
2,368
occurrences

Mammals = Class *Mammalia*	Insects = Class *Insecta*	Arachnids = Class *Arachnida*	Ferns = Phylum *Pteridophyta*
Birds = Class *Aves*	Reptiles = Class *Testudines,*	Flowering plants = Phylum	Mosses = Phylum *Bryophyta*
Bony fish = Superclass	*Sphenodontia, Squamata &*	*Magnoliophyta*	Sac fungi = Phylum *Ascomycota*
Osteichthyes p.p.	*Crocodylia*	Gymnosperms = Superclass	Basidiomycota = Phylum
Amphibians = Class *Amphibia*	Molluscs = Phylum *Mollusca*	*Gymnospermae*	*Basidiomycota*

Change over time in records about biodiversity in Kenya

Occurrence records available about species occurring in Kenya

Species for which at least one occurrence record is available in Kenya
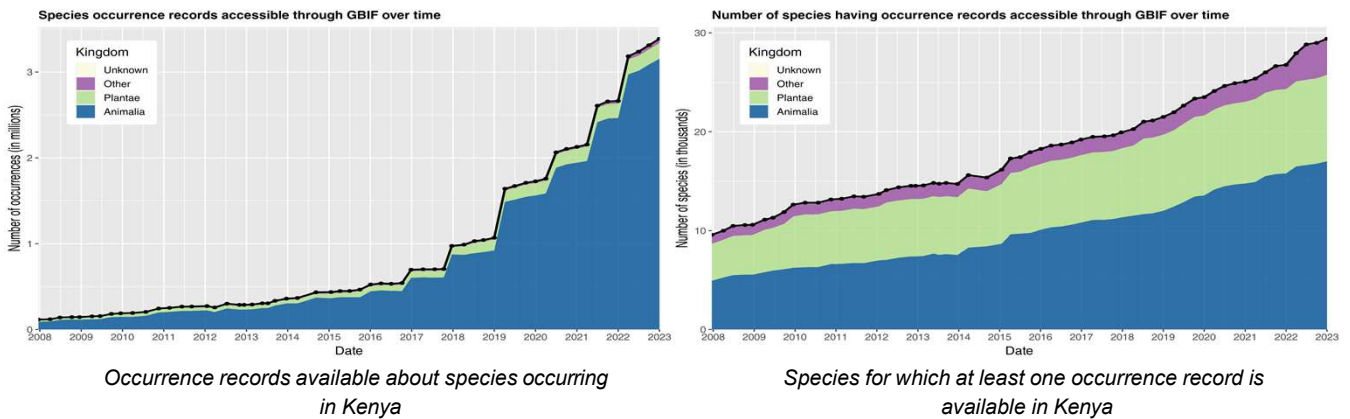
WHY MIGHT THE AMOUNT OF MOBILIZED DATA DECREASE?
Datasets are sometimes removed by publishers, but more often decreases in the number of records are due to the removal of duplicate records and datasets.

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 Kenya

Bird Ringing Data of the Taita Hills Forests, 1996 to 2016. *Published by National Museums of Kenya*
https://doi.org/10.15468/96cup5

Timed species count birds' data of the Kenyan Coastal Forests, 1992 - 1994. *Published by National Museums of Kenya*
https://doi.org/10.15468/yg9qje

Occurrence records of different mammal species from several localities in Kenya. *Published by National Museums of Kenya*
https://doi.org/10.15468/vyf55f

Occurrence of Butterflies at Eastern and Central Uganda, 1932-2021. *Published by A Rocha Kenya*
https://doi.org/10.15468/kw6dms

Avifauna recorded using point count method during 2003 Spotted Ground-thrush surveys in Kenyan Coastal Forests Fragments. *Published by National Museums of Kenya*
https://doi.org/10.15468/ca82mz

Avifauna recorded using Mist netting method during 2003 Spotted Ground-thrush surveys in Kenyan Coastal Forests. *Published by National Museums of Kenya*
https://doi.org/10.15468/ntbenc

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

Newest publishers from Kenya

Kenya Marine and Fisheries research Institute

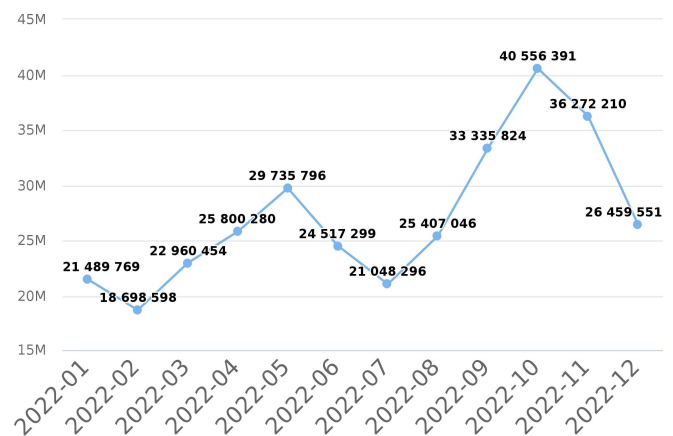Strathmore University

A Rocha Kenya

Kenya Wildlife Service

National Museums of Kenya

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

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

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

Data mobilization

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

Origin of occurrence records

Data sharing with country or area of origin

Kenya

publishes data from
69
countries, territories and islands
including
2,045,726
occurrences in
142
occurrence datasets
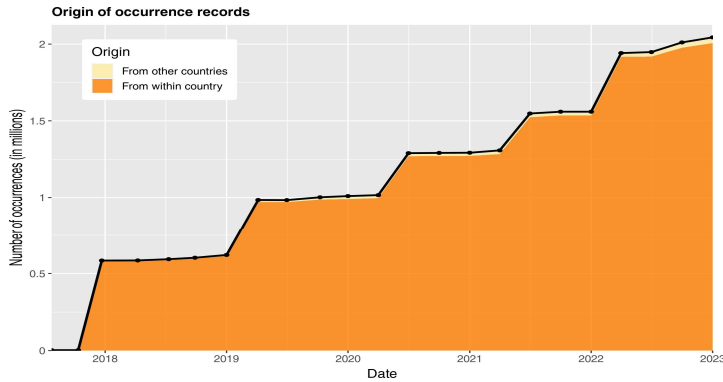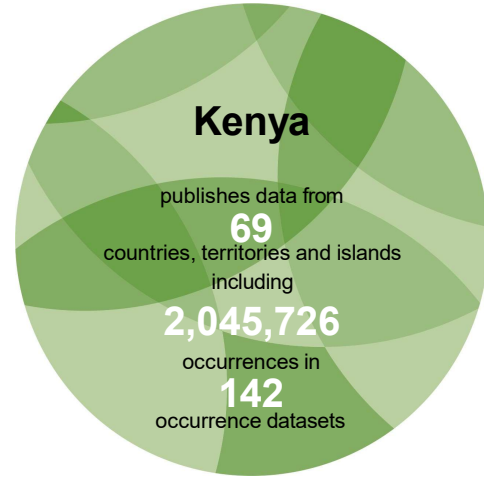
The chart above shows the number of records shared over time by publishers within Kenya, with separate colours for records about species occurring within undefined and those occurring elsewhere.

Top data contributors about biodiversity in Kenya

Rank	Country or area	No. of occurrences
1	Kenya	2,008,007
2	South Africa	720,042
3	United States of America	280,180
4	United Kingdom	74,553
5	Netherlands	64,022
6	Belgium	33,597
7	Germany	29,698
8	Norway	14,223
9	Estonia	13,851
10	France	13,490

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

Top datasets contributing data about Kenya

EOD – eBird Observation Dataset. *1,651,265 occurrences in Kenya.* (Last updated 2 Mar 2022)

Kenya Bird Map (Full protocol and Adhoc records). *691,941 occurrences in Kenya.* (Last updated 20 Oct 2022)

Kenya Bird Map Occurrence Data. *89,632 occurrences in Kenya.* (Last updated 13 Mar 2019)

iNaturalist Research-grade Observations. *60,011 occurrences in Kenya.* (Last updated 1 Jan 2023)

International Barcode of Life project (iBOL). *48,936 occurrences in Kenya.* (Last updated 5 Feb 2022)

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

Kenya participates in the following projects coordinated by GBIF

Enhancing capacity of GBIF South Sudan
Capacity Enhancement Support Programme, 2021–2022
https://www.gbif.org/project/CESP2021-009

GBIF Africa Nodes data mobilization, ecological niche modelling and data paper training and mentorship
Capacity Enhancement Support Programme, 2015–2016
This project is centred on providing practical training on ecological niche modelling and the preparation of data papers to participants from up to 10 nodes in Africa using real datasets for threatened or invasive species to be published to the GBIF network.
https://www.gbif.org/project/82204

Raising the profile of data for the conservation of four forested African landscapes
BID: Biodiversity Information for Development, 2021–2023
https://www.gbif.org/project/BID-AF2020-140-REG

Capacity development for mobilization and use of biodiversity data on endangered bird species in Kenya
BID: Biodiversity Information for Development, 2021–2023
https://www.gbif.org/project/BID-AF2020-014-NAC

Prioritizing conservation management in an East African forest landscape
BID: Biodiversity Information for Development, 2017–2019
A Rocha Kenya, the National Museum of Kenya (NMK), Kenya Wildlife Service (KWS), Animal Demography Unit of University of Cape Town (ADU), and the Arabuko- Sokoke Forest Guides Association (ASFGA) will access, assess, digitize, engage and improve the data for birds, mammals, invertebrates, reptiles and higher plants in order to inform the management of important, unique and threatened forest ecosystem.
https://www.gbif.org/project/7EOzw96rgAoSKKUgYaoaCe

Mobilizing data on freshwater snails in Kenya
BID: Biodiversity Information for Development, 2016–2017
This project is mining and will publish records of freshwater snails from existing voucher collections of the National Museums of Kenya and other research institutions.
https://www.gbif.org/project/82725

Mobilizing biodiversity information from the Kenya Wildlife Service
BID: Biodiversity Information for Development, 2016–2018
This project organizes biodiversity data collected in Kenya's protected areas since the 1950's.
https://www.gbif.org/project/82706

Kenya's other carnivores: harnessing biodiversity data for conservation
BID: Biodiversity Information for Development, 2016–2017
This project mobilizes existing biodiversity data for 31 species of Kenya's small carnivores to develop a national strategy for their conservation.
https://www.gbif.org/project/82779

See all GBIF projects
gbif.org/resource/search?contentType=project