Oman

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 Oman. 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 Oman contributed to 1 peer-reviewed articles citing GBIF use during 2023 and a total of 3 articles since 2008.

▶ Data availability in Oman

Animalia 375,712 occurrences
Plantae 22,473 occurrences
Fungi 18,948 occurrences
Unknown 4,336 occurrences
Protozoa 552 occurrences
Bacteria 1,110 occurrences
Virus 425 occurrences
Chromista 45,608 occurrences
Archaea 172 occurrences

▶ Data mobilization

Institutions from Oman published 53,974 new occurrence records during 2023 out of a total of 355,993,458 occurrence records added globally to GBIF.org

Number of records published by institutions in Oman, categorized by kingdom
Access and usage

Data downloads on GBIF.org from users in Oman

Users from Oman made 20 download requests representing 0.0% of all downloads during 2023.

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

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 Oman.

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

Al Adhoobi, Al Jufaili, Al Ruheili. (2023) Predicting habitat distributions for the endemic fish Garra shamal (Teleostei: Cyprinidae) in the Omani Hajar Mountain under present and future climate change …. Journal of Survey in Fisheries Sciences.
https://doi.org/10.53555/sfs.v10i1.1598

Al Ruheili, Al Sariri, Al Subhi. (2022) Predicting the potential habitat distribution of parthenium weed (Parthenium hysterophorus) globally and in Oman under projected climate change. Journal of the Saudi Society of Agricultural Sciences.
https://doi.org/10.1016/j.jssas.2021.12.004

https://doi.org/10.1038/nature14910
Data availability

Total data available for selected taxonomic groups in Oman

- **Mammals**: 1,354 occurrences
- **Birds**: 307,486 occurrences
- **Bony fish**: 7,368 occurrences
- **Amphibians**: 249 occurrences
- **Insects**: 12,010 occurrences
- **Reptiles**: 6,400 occurrences
- **Molluscs**: 17,803 occurrences
- **Arachnids**: 1,670 occurrences
- **Flowering plants**: 18,585 occurrences
- **Ferns**: 175 occurrences
- **Gymnosperms**: 100 occurrences
- **Mosses**: 466 occurrences
- **Sac fungi**: 13,775 occurrences
- **Basidiomycota**: 2,069 occurrences

**Change over time in records about biodiversity in Oman**

- **Occurrence records available about species occurring in Oman**
- **Species for which at least one occurrence record is available in Oman**

**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 Oman

Mammals of Oman. Published by Environment Authority
https://doi.org/10.15468/94quqa

Flora Checklist of Oman. Published by Environment Authority
https://doi.org/10.15468/ra5ne7

Reptiles List of Oman. Published by Environment Authority
https://doi.org/10.15468/hyhbtr

Oman Arthropods. Published by Environment Authority
https://doi.org/10.15468/djbbq9

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

Newest publishers from Oman

Environment Authority

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

Number of occurrence records downloaded via GBIF.org published by institutions in Oman
Data mobilization

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

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

Top data contributors about biodiversity in Oman

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country or area</th>
<th>No. of occurrences</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Oman</td>
<td>224,721</td>
</tr>
<tr>
<td>2</td>
<td>Netherlands</td>
<td>90,799</td>
</tr>
<tr>
<td>3</td>
<td>Germany</td>
<td>45,185</td>
</tr>
<tr>
<td>4</td>
<td>United States of America</td>
<td>38,848</td>
</tr>
<tr>
<td>5</td>
<td>Estonia</td>
<td>30,992</td>
</tr>
<tr>
<td>6</td>
<td>United Kingdom</td>
<td>22,310</td>
</tr>
<tr>
<td>7</td>
<td>International organization or unknown country</td>
<td>3,555</td>
</tr>
<tr>
<td>8</td>
<td>Australia</td>
<td>2,023</td>
</tr>
<tr>
<td>9</td>
<td>France</td>
<td>1,995</td>
</tr>
<tr>
<td>10</td>
<td>Colombia</td>
<td>1,810</td>
</tr>
</tbody>
</table>

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

Top datasets contributing data about Oman

- **EOD – eBird Observation Dataset.** 224,721 occurrences in Oman. (Last updated 20 Aug 2023)
- **Observation.org, Nature data from around the World.** 77,154 occurrences in Oman. (Last updated 12 Dec 2023)
- **Global soil organisms.** 29,744 occurrences in Oman. (Last updated 27 Feb 2023)
- **UF Invertebrate Zoology.** 15,326 occurrences in Oman. (Last updated 1 Jan 2024)
- **Neptune Deep-Sea Microfossil Occurrence Database.** 13,074 occurrences in Oman. (Last updated 18 Aug 2016)

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