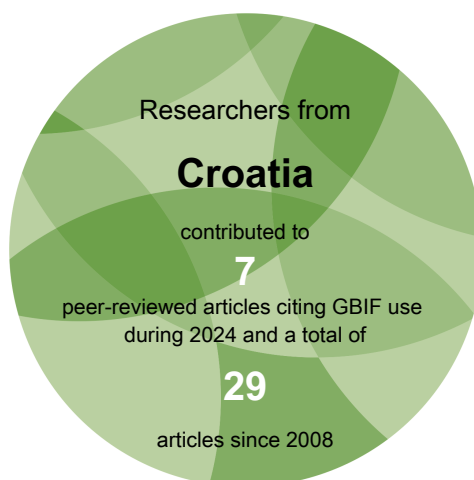


generated January 2025

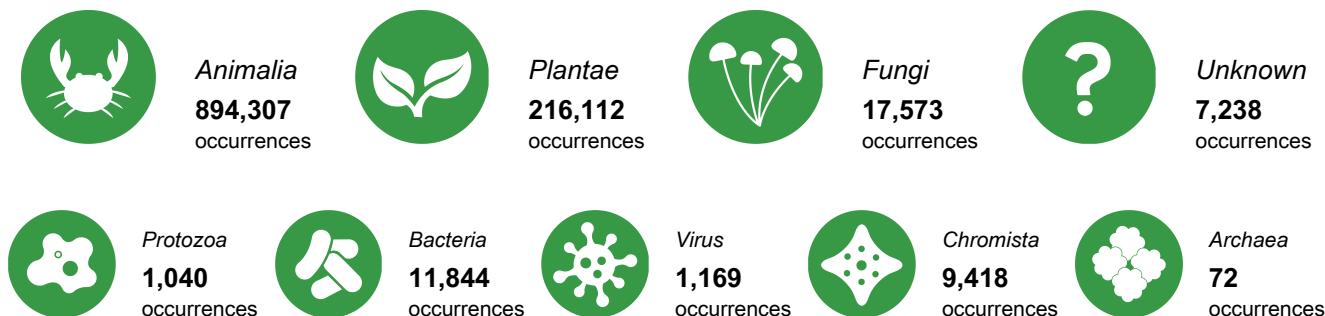
Croatia

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 Croatia. 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.

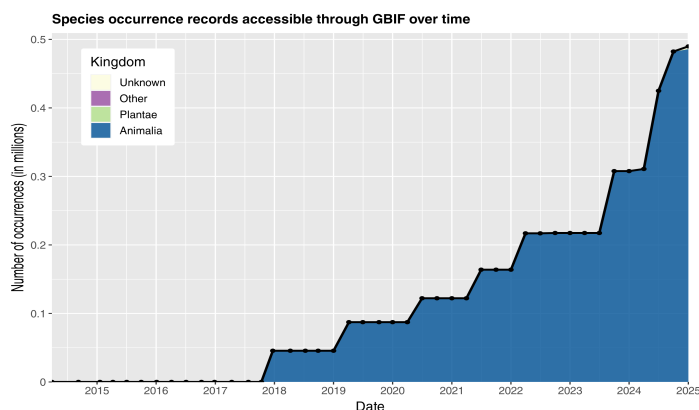
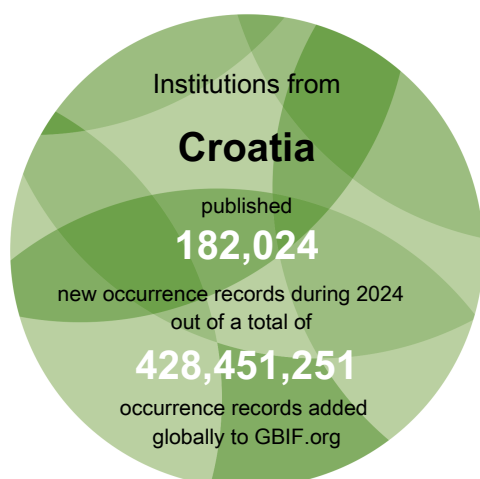
► Access and usage



► Data availability in Croatia



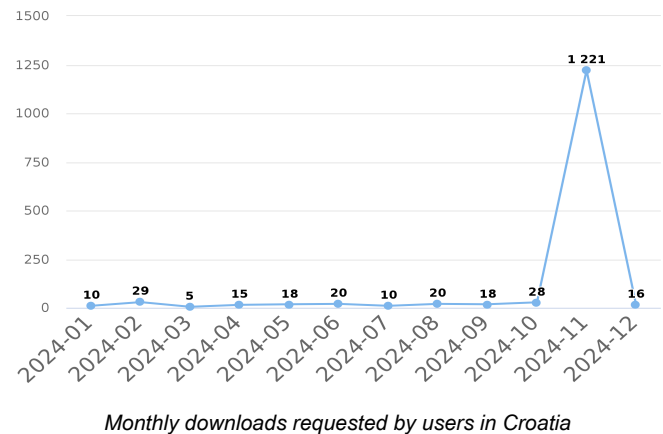
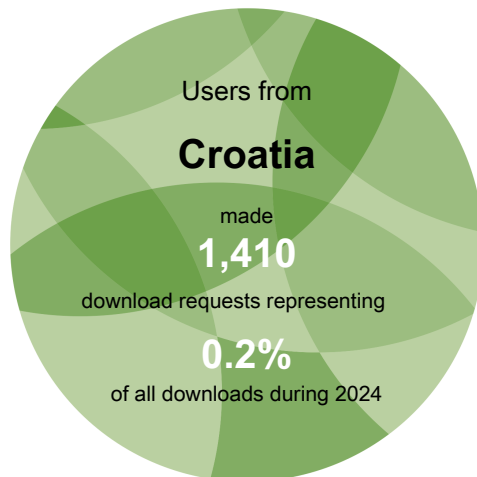
► Data mobilization



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

Access and usage

Data downloads on GBIF.org from users in Croatia



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

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 Croatia.

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

D'Amen, Fortuna, Holcer *et al.* (2024) Climate change and cetacean habitat suitability in the Mediterranean Sea: a challenge for Marine Strategy Framework Directive D1C4, D1C5 criteria. *Animal Conservation*.
<https://doi.org/10.1111/acv.13002>

Waheed, Haq, Arshad *et al.* (2024) *Xanthium strumarium* L., an invasive species in the subtropics: prediction of potential distribution areas and climate adaptability in Pakistan. *BMC Ecology and Evolution*.
<https://doi.org/10.1186/s12862-024-02310-6>

Gross, Duffy, Hovel *et al.* (2024) A Latitudinal Cline in the Taxonomic Structure of Eelgrass Epifaunal Communities is Associated With Plant Genetic Diversity. *Global Ecology and Biogeography*.
<https://doi.org/10.1111/geb.13918>

Đurović, Temunović, Schönswetter *et al.* (2024) Polyploidisation and niche differentiation drive the diversification of the *Euphorbia epithymoides* group (Euphorbiaceae) in southeastern Europe. *Perspectives in Plant Ecology, Evolution and Systematics*.
<https://doi.org/10.1016/j.ppees.2024.125825>

Ovaskainen, Abrego, Furneaux *et al.* (2024) Global Spore Sampling Project: A global, standardized dataset of airborne fungal DNA. *Scientific Data*.

Data availability

Total data available for selected taxonomic groups in Croatia



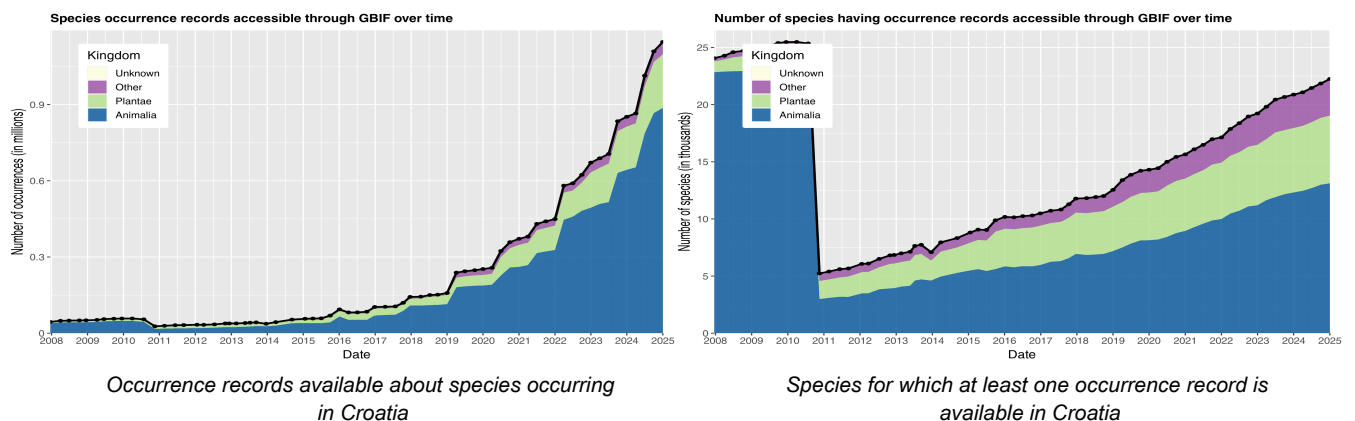
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

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 Croatia



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 Croatia

LIFE Artina (LIFE17 NAT/HR/000594) - Sea transect data 2019-2021 - Lastovo Archipelago, Croatia.

Published by Association BIOM

<https://doi.org/10.15468/zahhf8>

Project OPKK Monitoring Birds - bird observations collected for the development of monitoring programs during 2022-2023. *Published by Ministry of Environmental Protection and Green Transition*

<https://doi.org/10.15468/ek8q2b>

Mapping of plant species containing pyrrolizidine alkaloids in Lozan, Croatia. *Published by University Of Zagreb Faculty Of Agriculture*

<https://doi.org/10.15468/w6p22g>

Records of saproxylic beetles collected through citizen science campaign - Jeste li ih vidjeli?.

Published by Ministry of Environmental Protection and Green Transition

<https://doi.org/10.15468/ukuctu>

Meditera3. *Published by University of Zagreb Faculty of Science*

<https://doi.org/10.15468/5jkd4t>

CIM Specimens. *Published by Institut Ruđer Bošković, Center for Marine Research*

<https://doi.org/10.15468/o62a8e>

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

Newest publishers from Croatia

Association BIOM

University Of Zagreb Faculty Of Agriculture

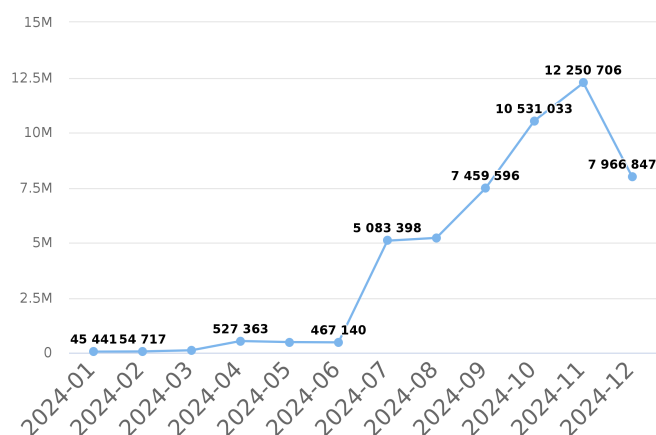
Ministry of Environmental Protection and Green Transition

University of Zagreb Faculty of Science

Institut Ruđer Bošković, Center for Marine Research

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

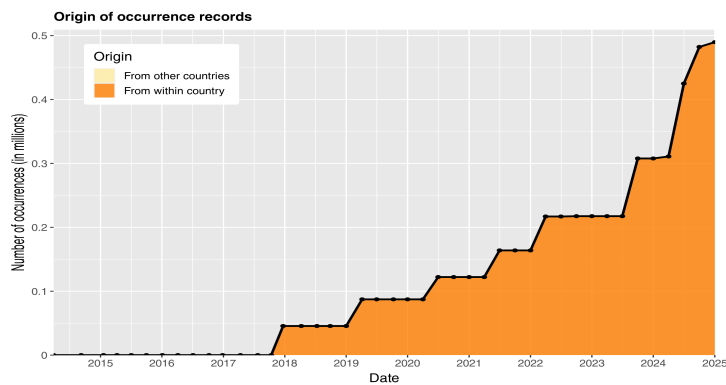
Occurrence records downloaded from GBIF.org, published by institutions in Croatia



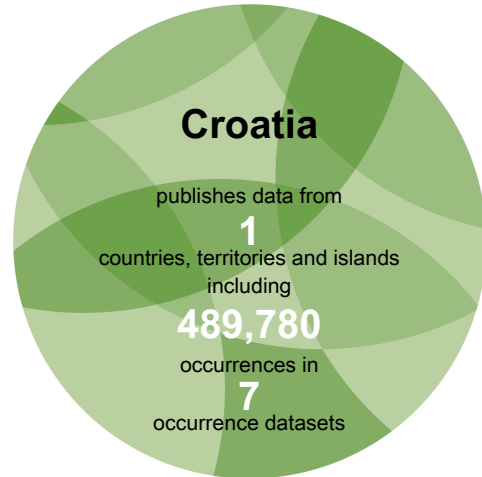
Number of occurrence records downloaded via
GBIF.org published by institutions in Croatia

Data mobilization

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



Data sharing with country or area of origin



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

Top data contributors about biodiversity in Croatia

Rank	Country or area	No. of occurrences
1	Croatia	489,780
2	United States of America	202,839
3	Netherlands	176,808
4	France	59,674
5	Belgium	42,501
6	Germany	37,899
7	United Kingdom	36,090
8	Austria	27,684
9	Estonia	20,113
10	Poland	16,042

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

Top datasets contributing data about Croatia

EOD – eBird Observation Dataset. *420,886 occurrences in Croatia.* (Last updated 27 Sep 2024)

iNaturalist Research-grade Observations. *190,677 occurrences in Croatia.* (Last updated 30 Dec 2024)

Observation.org, Nature data from around the World. *140,059 occurrences in Croatia.* (Last updated 3 Jan 2025)

Project OPKK Monitoring Birds - bird observations collected for the development of monitoring programs during 2022-2023. *57,329 occurrences in Croatia.* (Last updated 9 Jul 2024)

PI@ntNet automatically identified occurrences. *51,225 occurrences in Croatia.* (Last updated 8 Feb 2023)

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



Croatia participates in the following projects coordinated by GBIF

CroMent

Capacity Enhancement Support Programme, 2023–2024

<https://www.gbif.org/project/CESP2023-006>

See all GBIF projects

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