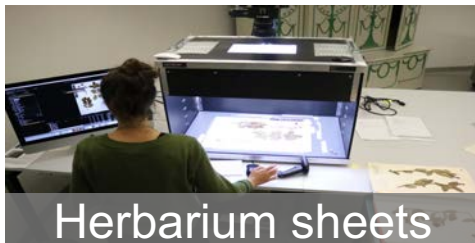
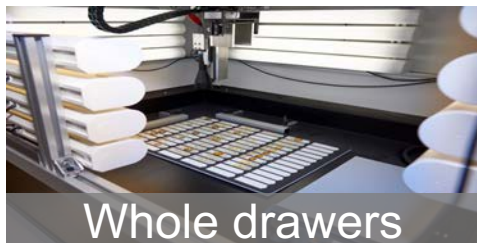
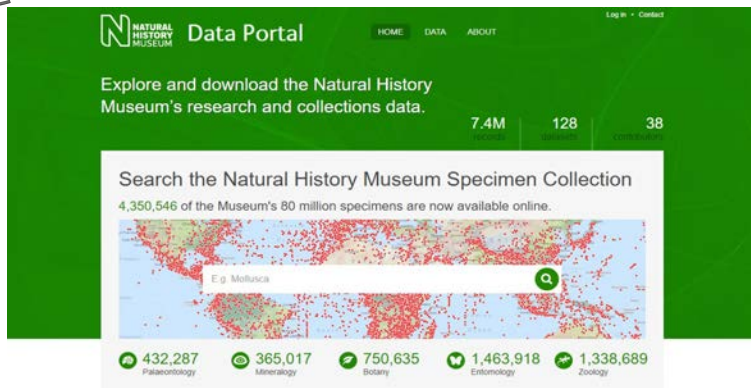


The many dimensions of data publishing: an institutional & editors perspective

Lots of institutional data!



NHM Data Portal



NATURAL HISTORY MUSEUM Data Portal

Explore and download the Natural History Museum's research and collections data.

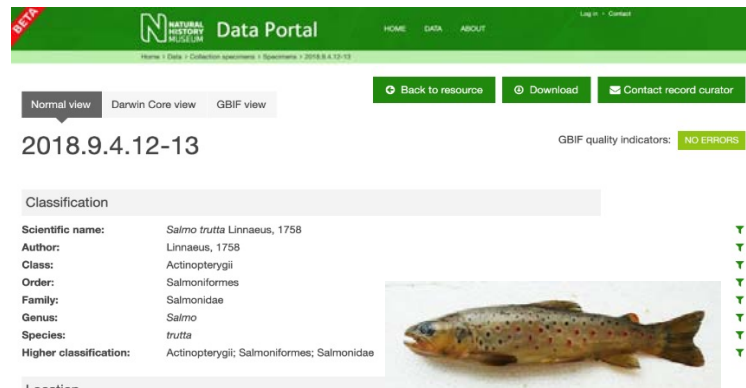
7.4M 128 38

Search the Natural History Museum Specimen Collection

4,350,546 of the Museum's 80 million specimens are now available online.

E.g. Mollusca

432,287 Paleontology 365,017 Literature 750,635 Botany 1,463,918 Entomology 1,338,689 Zoology



NATURAL HISTORY MUSEUM Data Portal

Home > Data > Collection specimens > Specimens > 2018.9.4.12-13

Normal view Darwin Core view GBIF view


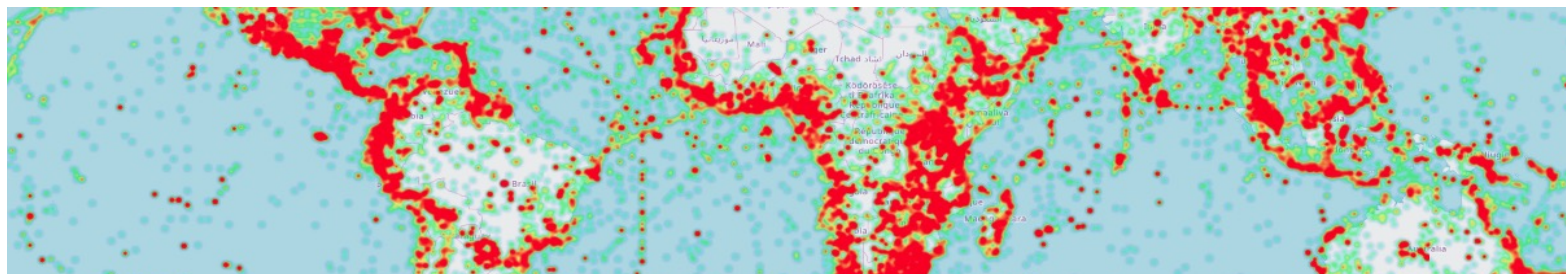
2018.9.4.12-13

GBIF quality indicators: NO ERRORS

Classification

Scientific name: *Salmo trutta* Linnaeus, 1758
 Author: Linnaeus, 1758
 Class: Actinopterygii
 Order: Salmoniformes
 Family: Salmonidae
 Genus: *Salmo*
 Species: *trutta*
 Higher classification: Actinopterygii; Salmoniformes; Salmonidae

Location

Search, browse & API to records, images, maps, NHM datasets, inclu. specimen & dataset identifiers, 27.1 billion records in 393k datasets downloaded since 2015

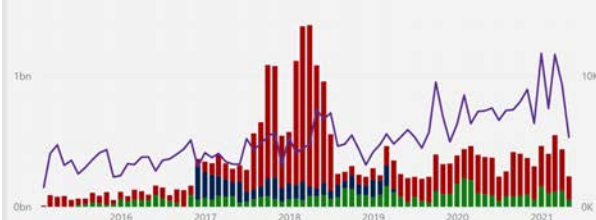
Tracking impact: making the case for data publishing

Between **February 2015** and **May 2021**, **27.14bn** records were downloaded via **393.43K** download events.

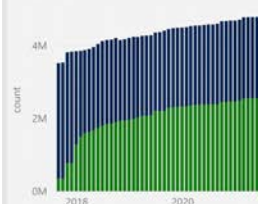
88% were collection records: **23%** of these were downloaded from the Data Portal and **77%** were via GBIF.

Record downloads - Data Portal + GBIF

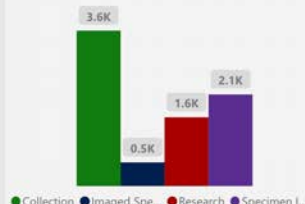
● Portal collection records ● Portal research records ● GBIF collection records ● All downloads



Imaged specimens

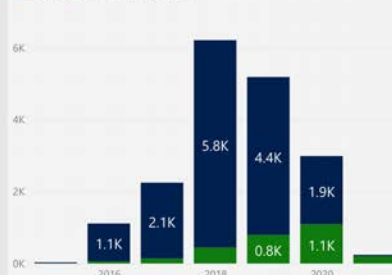


Record change this month (to date)



Papers + downstream citations

● Papers ● Downstream citations



977

Papers/citation count

821

Peer reviewed papers

407

Open Access papers

29

h index

21

Wiki pages

100,255

Wiki pageviews

Recent publications citing NHM data

Title	Records	NHM %	Publication
Deciphering the global phylogeography of a coastal ...	2K	0.17%	Journal of Systematics ...
Ecological and geological processes impacting speci...	2K	0.48%	Journal of Systematics ...
Molecular signatures of long-distance oceanic dispe...	0K		American Journal of Bo...
On the Emergence of Biodiversity: Mechanistically Br...	140,230K	0.12%	
Predicting range shifts for critically endangered plan...	652,176K	0.12%	Biological Conservation
Predicting the current and future suitable habitat dis...	1K	0.67%	Journal of Applied Rese...
Range-wide variations in common milkweed traits a...	12K	0.02%	American Journal of Bo...
Significant habitat loss of the black vanilla orchid (Ni...	130K	2.05%	Global Ecology and Co...
Synthesizing tree biodiversity data to understand gl...	44,267K	0.15%	Journal of Vegetation S...
Updated Distribution of the Mysid Antromysis cenot...	0K	2.63%	Diversity

IEA

International Journal of Epidemiology, 2017, 1-10

doi: 10.1093/ije/dkx088

Original article

Journal of Ecology

Original article

Research Article

**Spatial qu
potentially**

Climate change increases ecogeographic isolation between closely related plants

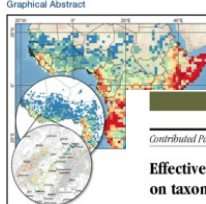
Karl J. Duffy, Hans Jacquemyn

Alberto J. Alaniz, First published: 22 June 2018 | https://doi.org/10.1111/1365-2745.13032

Current Biology

Bioquality Hotspots in the Tropical African Flora

Graphical Abstract



Authors

Cecily A.M. Marshall, Jan J. Wherrings, William D. Hawthorne

Correspondence

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In Brief

Conservation Biology

Contributed Paper

Effectiveness of protected areas for vertebrates based on taxonomic and phylogenetic diversity

Qing Quan, Xianli Che, Yongjie Wu, Yuchuan Wu, Qiang Zhang, Min Zhang, and Fasheng Zou

¹Guangdong Key Laboratory of Animal Conservation and Resource Utilization, Guangdong Public Laboratory of Wild Animal Conservation and Utilization, Guangdong Institute of Applied Biological Sciences, Guangzhou 510260, China

²Key Laboratory of Biodiversity and Ecosystem of Ministry of Education, College of Life Sciences, Sichuan University, Chengdu

esa

ECOSPHERE

Forecasting an invasive species' distribution with global distribution data, local data, and physiological information

CATHERINE S. JARNEVICH, NICHOLAS E. YOUNG, MARIAN TALBERG, and COLIN TALBERG

¹U.S. Geological Survey Fort Collins Science Center, 2150 Centre Ave. Bldg. C, Fort Collins, Colorado 80526 USA

²Natural Resource Ecology Laboratory, Colorado State University, Fort Collins, Colorado 80523-1809 USA

³Department of Interior, North Central Climate Science Center, Colorado State University, Fort Collins, Colorado 80523 USA

Creating a sustained data culture

*Normalising
'digital' within &
across peer
institutions*



Prioritization



Outreach



Policy



Government



Skills/Training



Events



Monitoring & KPIs



Team communication



Team organization



Volunteers



Innovation



Hack days



Big science



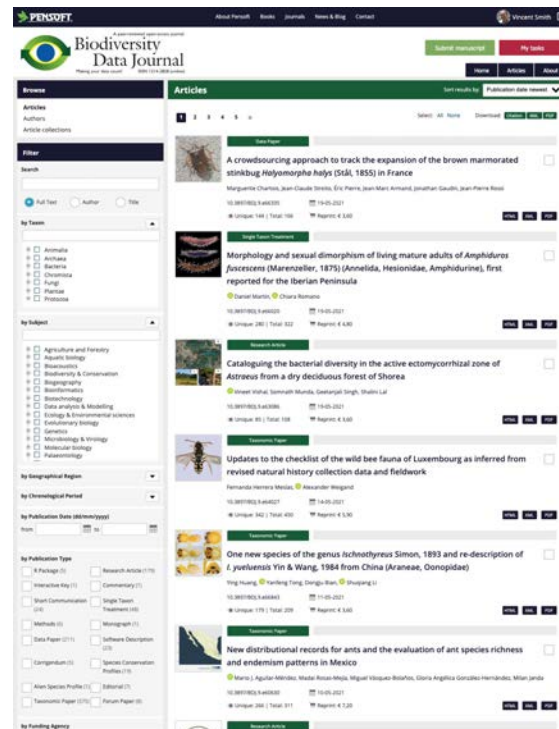
Peers

Biodiveristy Data journal



- Community peer-reviewed, **open access**, comprehensive online platform
- Designed to **accelerate** publishing, dissemination and sharing of biodiversity-related data
- Structural elements** of the articles – text, morphological descriptions, occurrences, data tables etc. – will be **treated and stored as data**

Scope: Papers in biodiversity science containing taxonomic, floristic/faunistic, morphological, genomic, phylogenetic, ecological or environmental data on any taxon of any geological era from any part of the world with no lower or upper limit to manuscript size





LifeWatch ERIC e-Science for NIS research workshop | 20-21 May 2021
