

Datasets Hosted portals 91,030 16 Country • **Participants** 64 Organizational • **Participants** 43

Peer-review papers using data

9,532

Average records downloaded per month (2023)

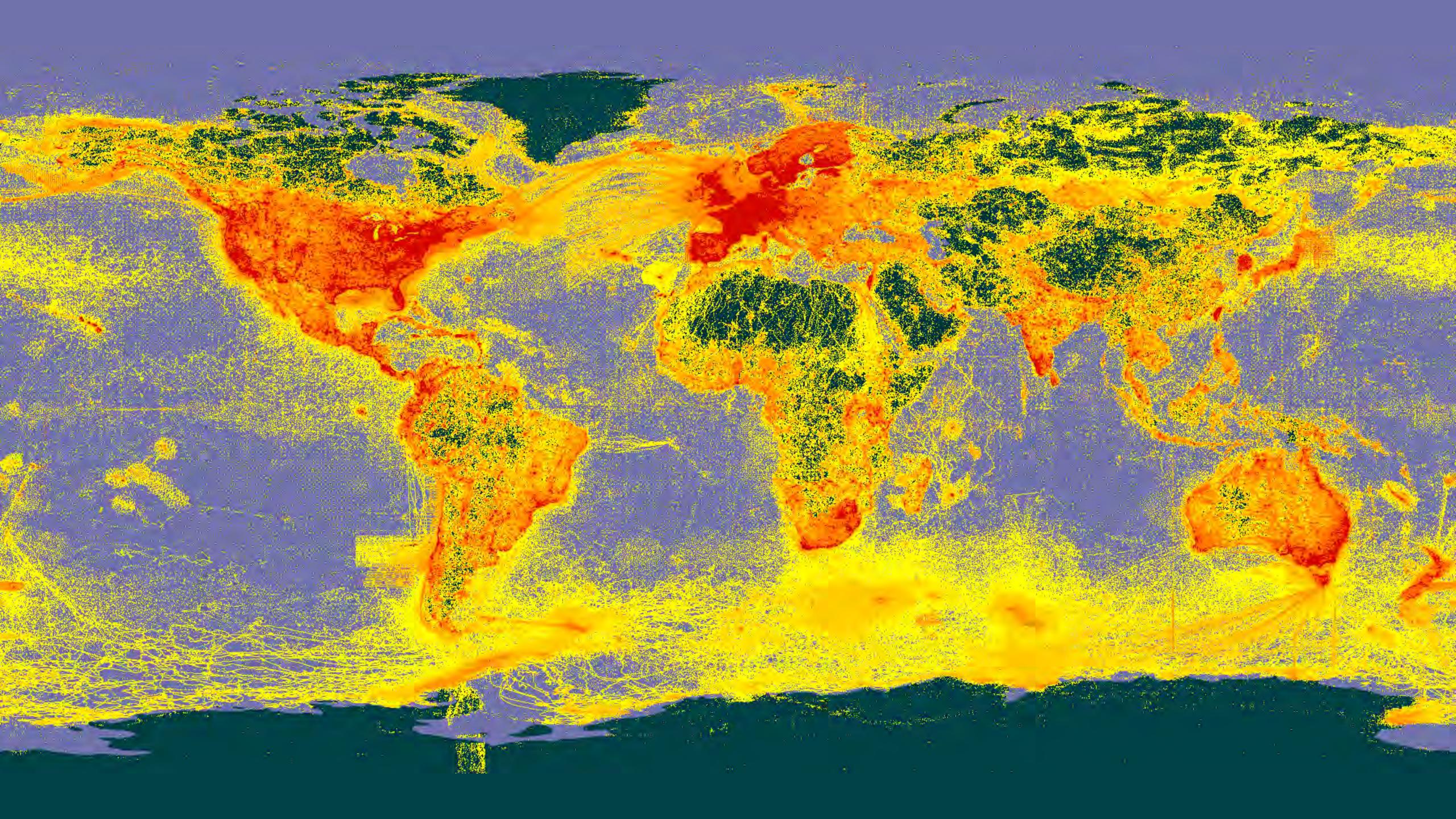
161.8 billion

Publishers •

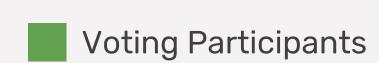
2,143

Speciesoccurrence records

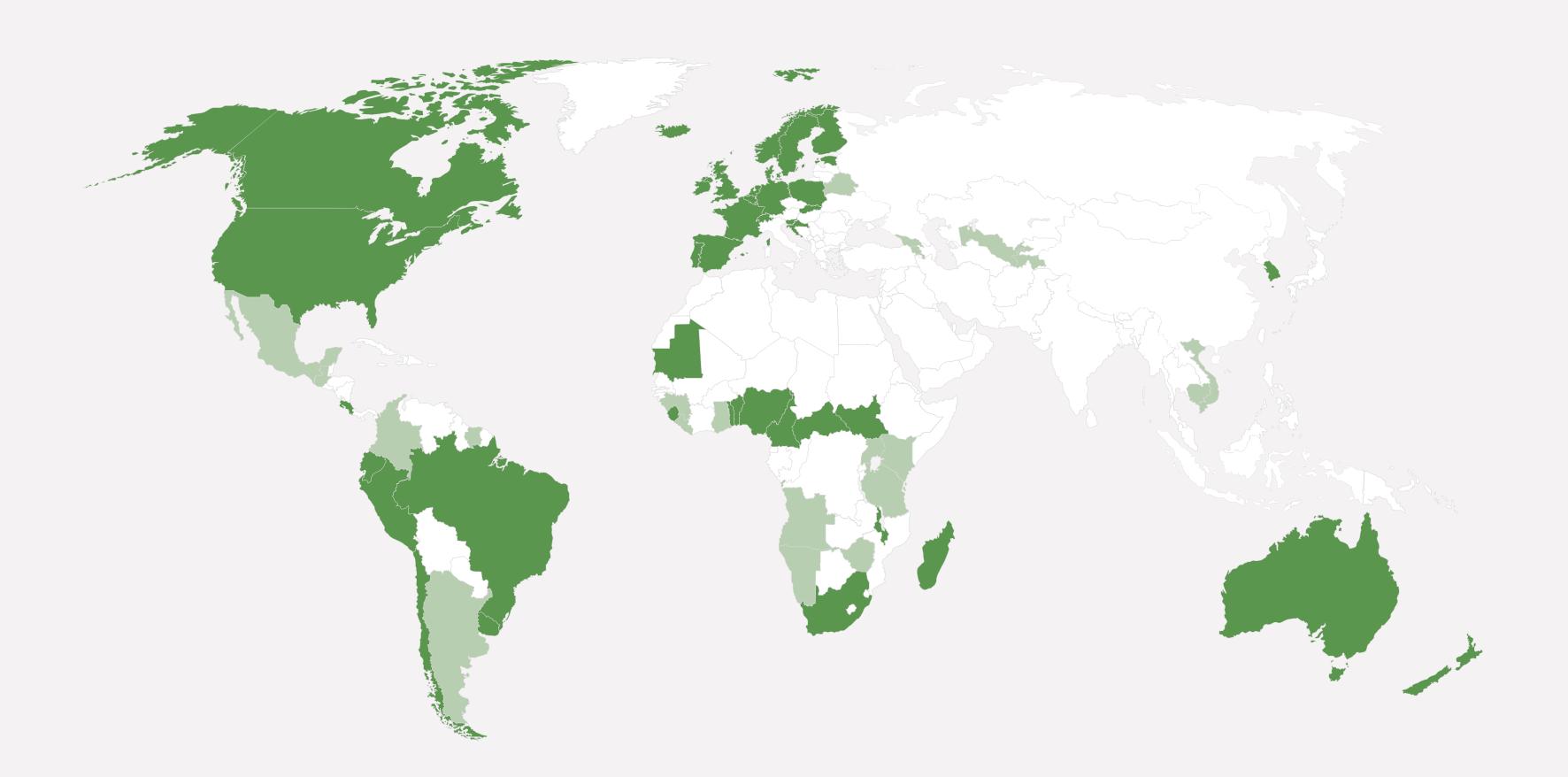
2,587,887,969



GBIF Participant countries

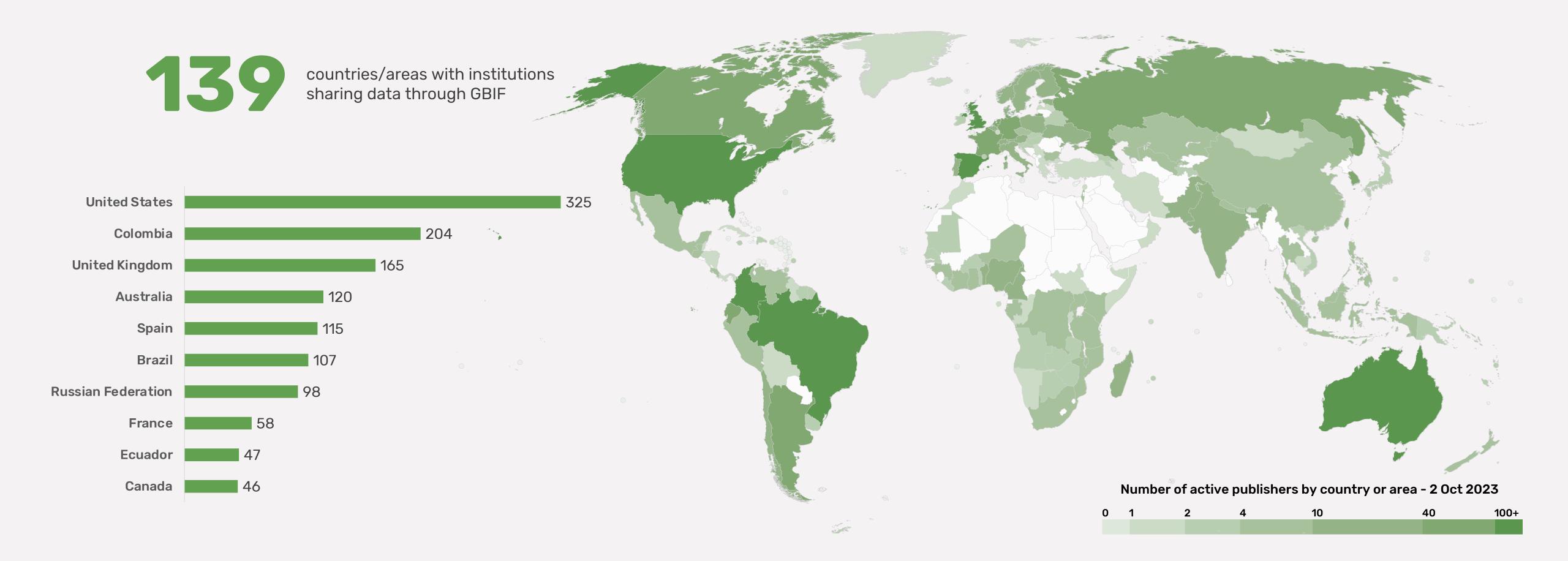


Associate Participants





GBIF network of data publishing institutions





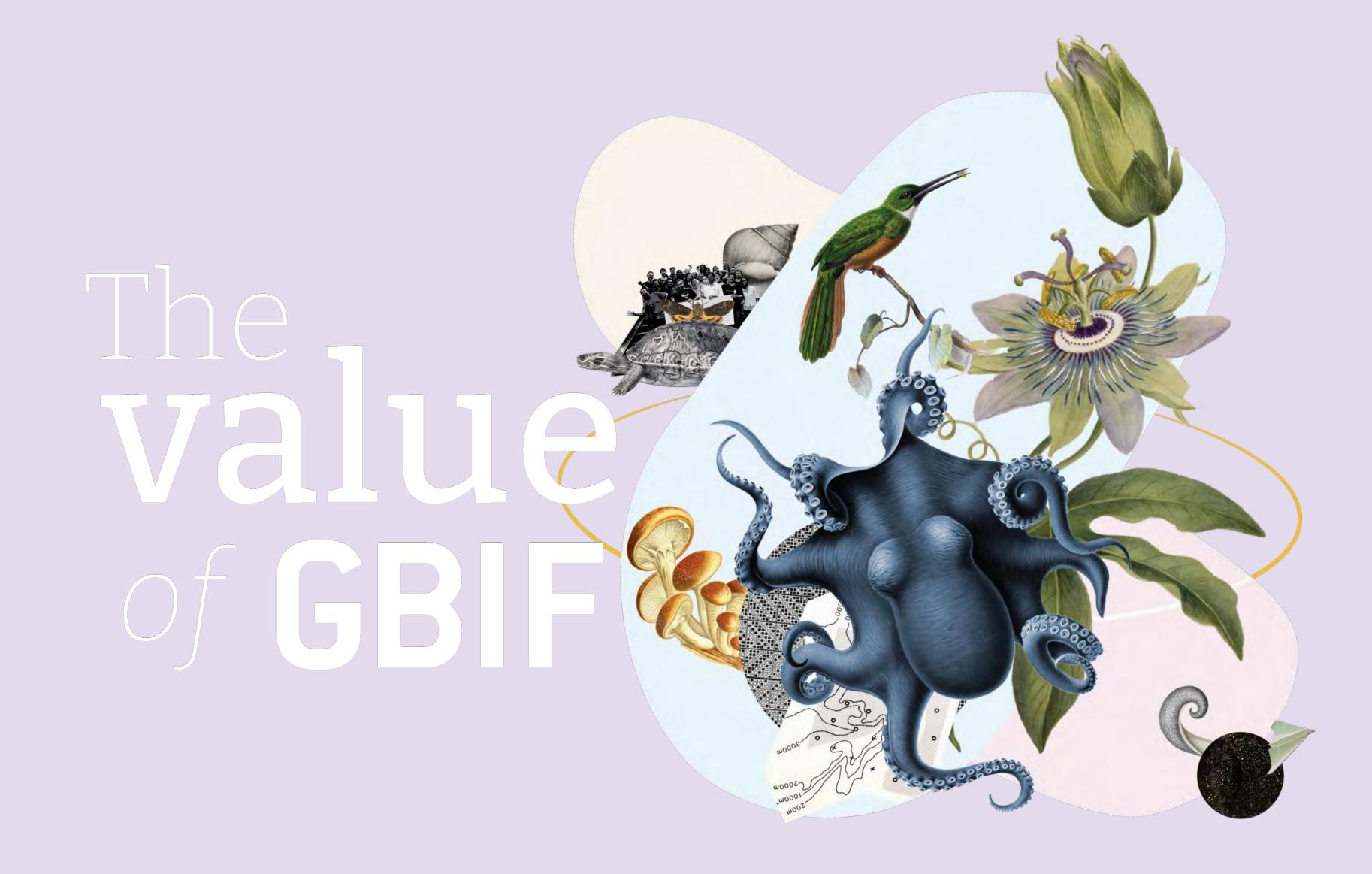
Welcome back!

The UK's return as a GBIF Voting Participant in June **renewed the commitment** of one of GBIF 's founding countries and signalled support of national stakeholders, who include

- Third-largest data mobilization network of 185 data-publishing institutions responsible for sharing 2,100+ datasets and 161m records
- (NBN hosts 883 datasets and 86m records)
- An extensive user base that stands 11th in global web traffic (2023), 7th in downloads (2023), and 3rd all-time in published peerreviewed uses (4th ytd for 2023)









Economic valuation report

- Commissioned from Canberra-based
 Deloitte Access Economics in 2022
- First draft presented at GB29 in Brussels
- Participants emphasized the need to use global findings at national scale
- Deloitte reengaged for nodes survey
- Final version published in May 2023

Deloitte.



Economic valuation and assessment of the impact of the GBIF network

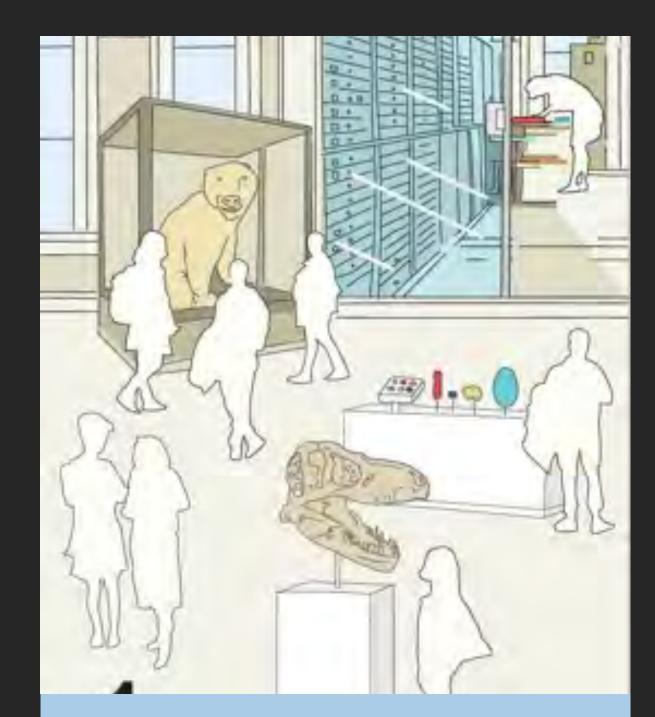
GBIF Secretariat May 2023



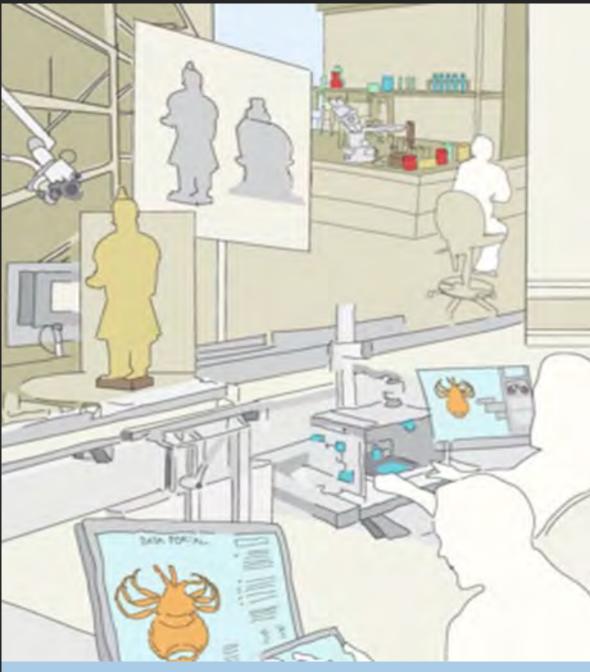


Making the case: benefits of digitization of NHM London collections

Previous analysis by Frontier Economics showed potential for £2bn+ in economic benefits for the UK

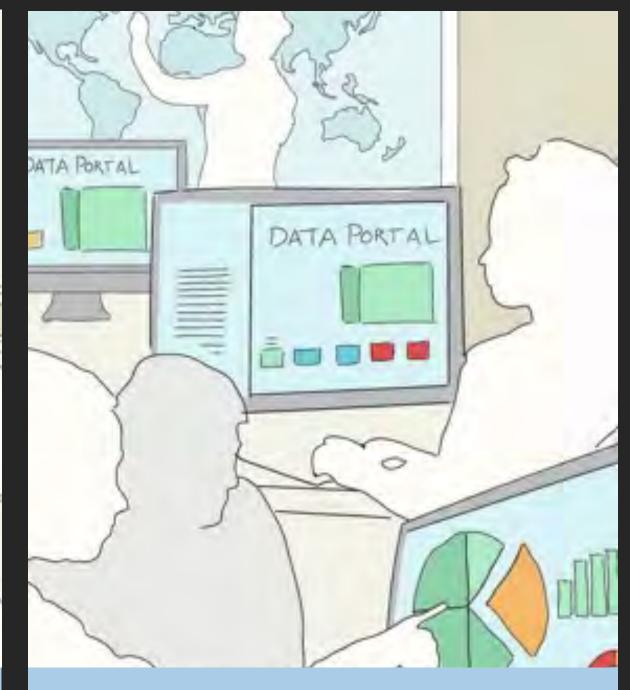


7.6m specimens uploaded by **12 UK** collections, from **248 countries** are freely available to the world via GBIF – c.6% of the UK's collections.



UK collections data 0.3% of GBIF occurrences but cited in 12% of peer reviewed publications

2,710 articles cite UK collections data – which diversify GBIF's taxonomic and geographic coverage.



£18m conservatively estimated to have been saved on visits by researchers citing UK data – and much more in research and economic value added.



>250 publications citing UK institutions' uploads on each of the themes of climate change, invasive species and conservation, for instance.



Economic value of the GBIF network, infrastructure and services

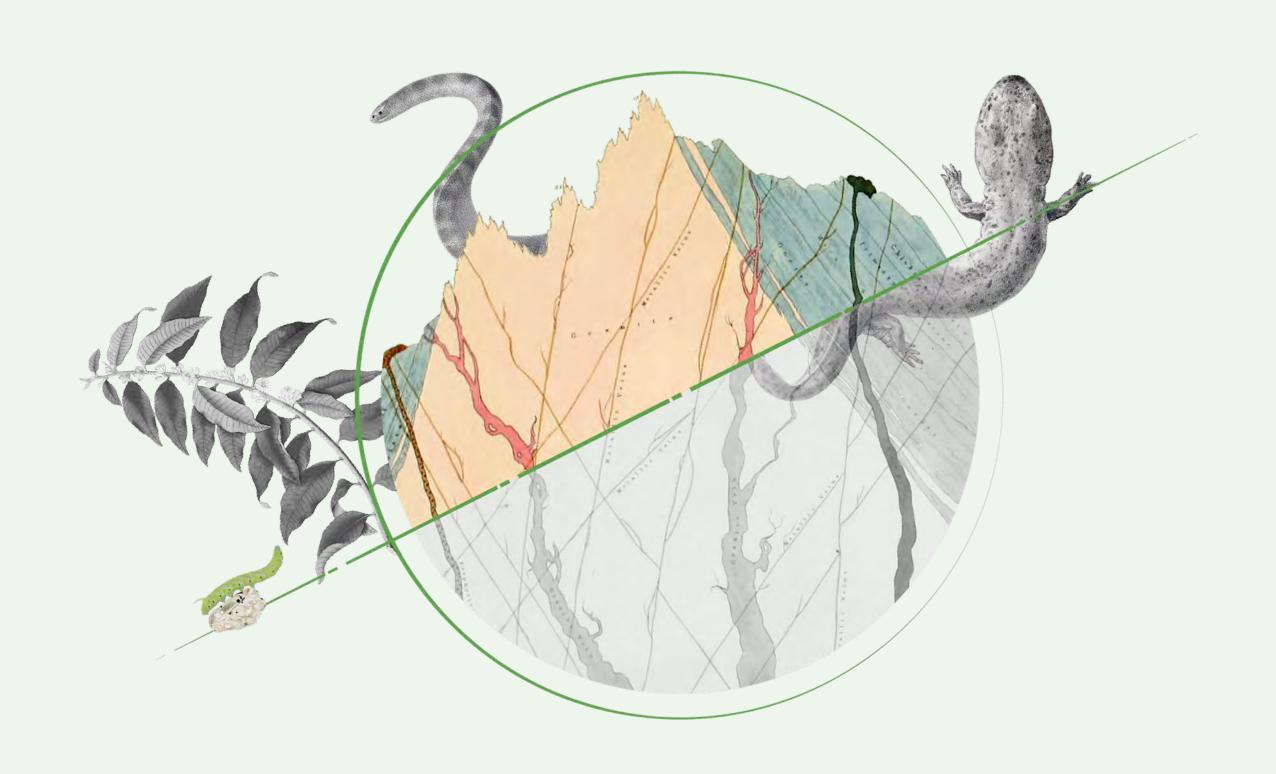


The 2023 report by Deloitte found that, for every €1 invested in GBIF, users receive €3 of benefits while society gains up to €12



GBIF expands the scope of what is possible

Almost half of GBIF users (47%) would have found it impossible to achieve the same outcomes in their work without GBIF





Capacity enhancement



GBIF's **focus on people** recognizes that the success of data sharing and conservation efforts relies on in large part on individuals' levels of **skill**, **knowledge**, **and engagement**



Individual opportunities for involvement





www.gbif.org/mentors



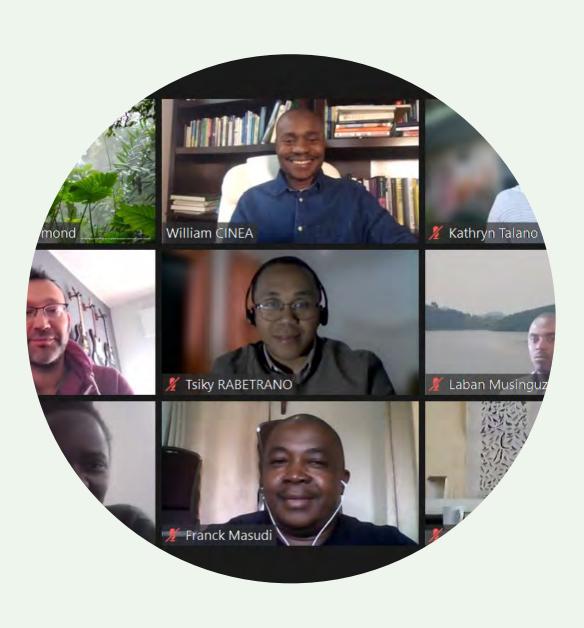
Biodiversity Open Data Ambassadors

www.gbif.org/ambassadors



Data Use Club

www.gbif.org/data-use-club



Webinars & community review

www.gbif.org/events



Shared infrastructure

By embracing a common code base, community-supported open-source tools, and hosted and cloud-based services, GBIF's infrastructure increases access to biodiversity data, promotes collaboration, facilitates data harmonization and fosters innovative research—and reducing technical costs













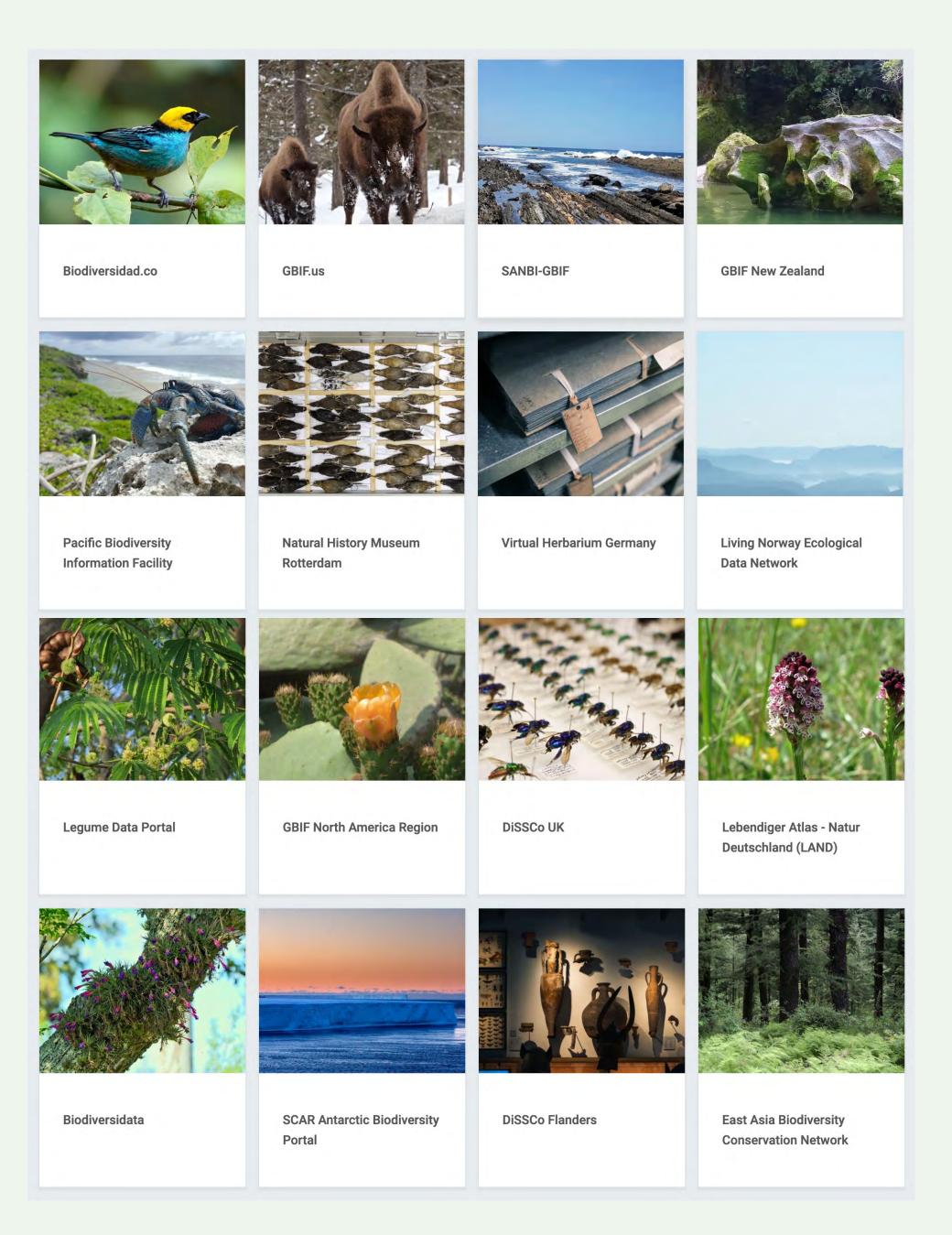




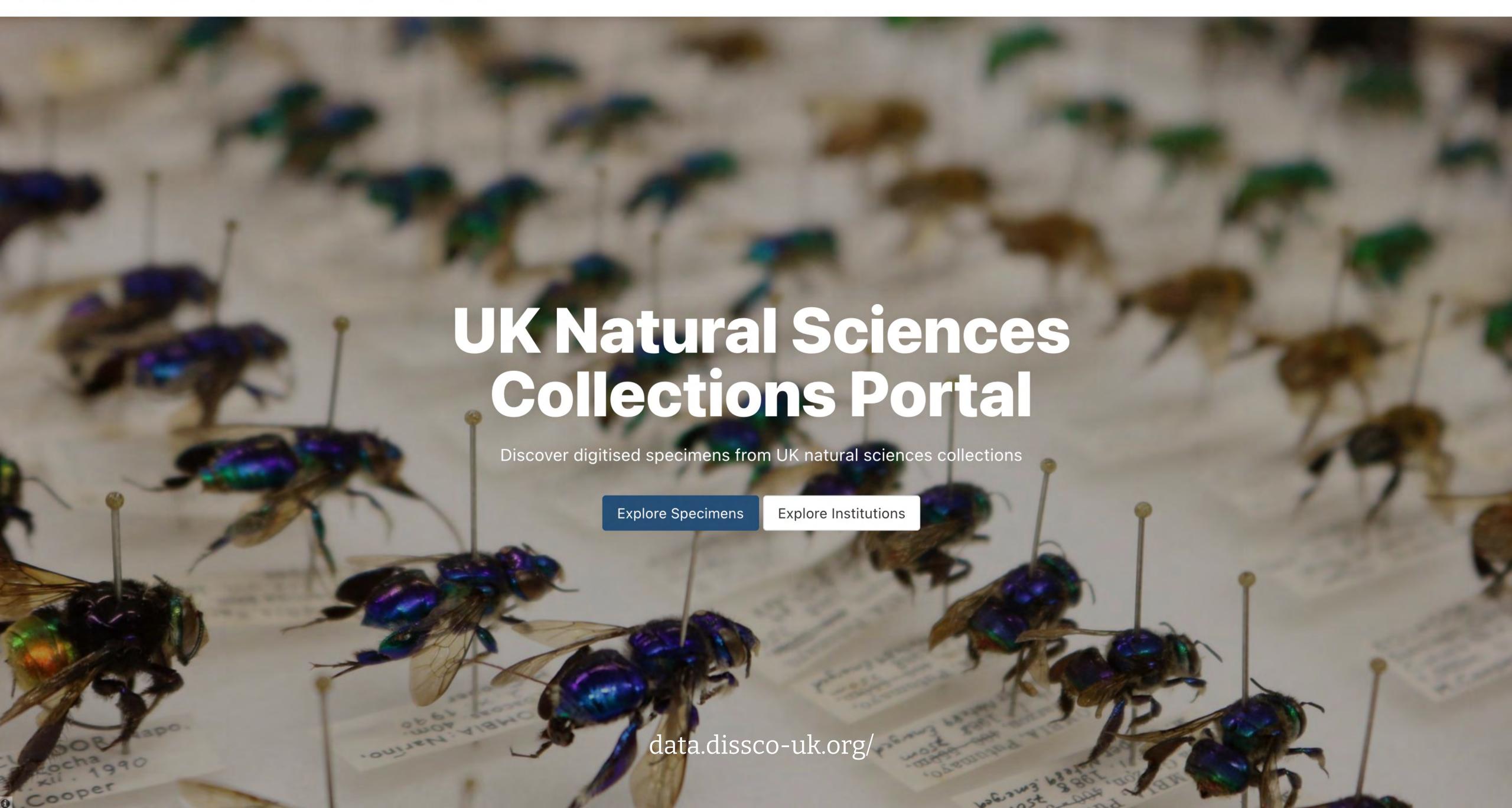
gbif.org/hosted-portals

GBIF hosted portals

- Simple, lightweight solution that makes it easier for people to run public data portals
- 16 sites currently in production using a flexible framework that supports differing scopes: national, regional, single institution, and thematic
- Another 24 more in development

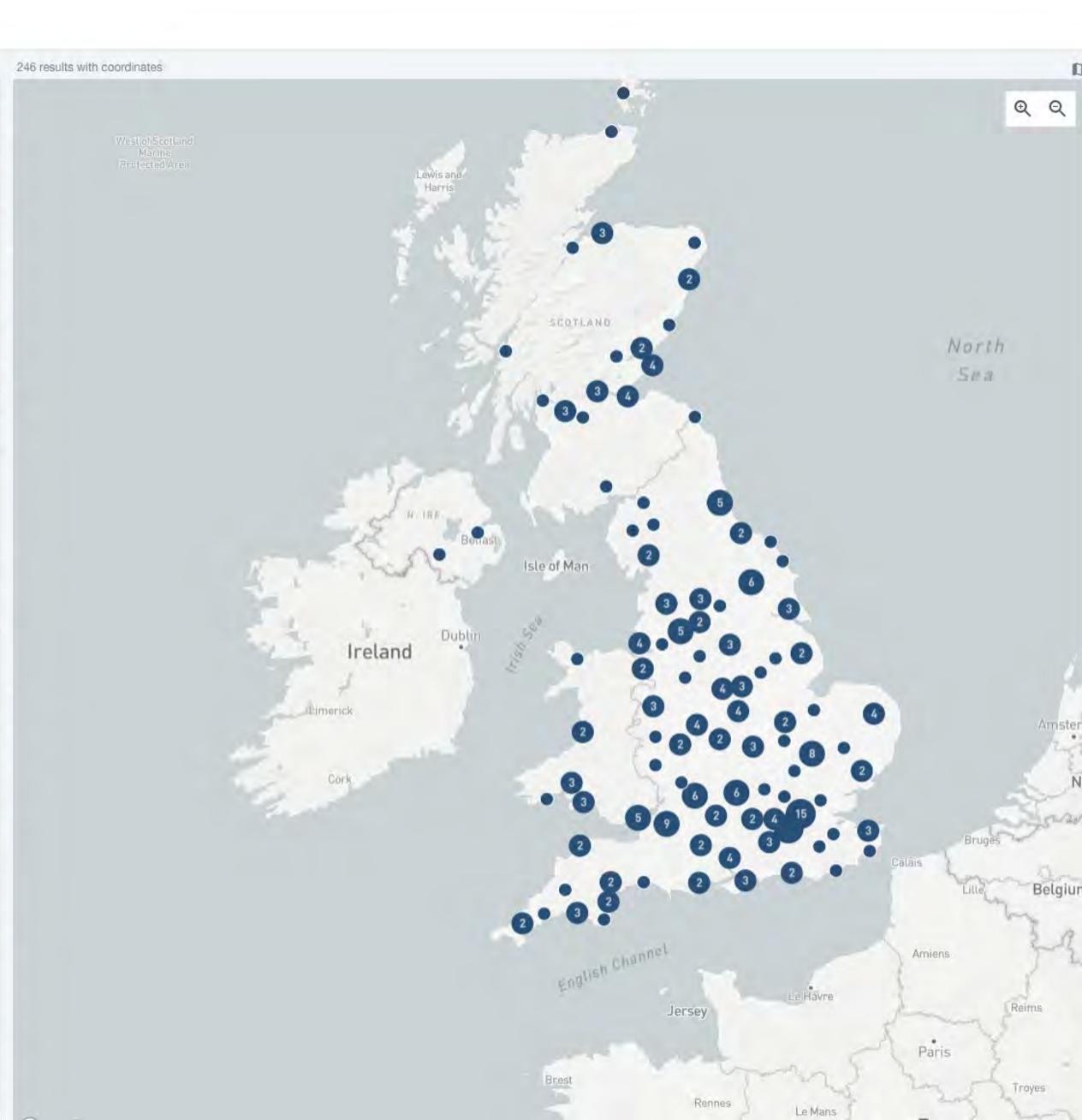






Institutions

Text search	Code Number of specimens Specimens in GB		ens in GBIF	mor	е				
291 results Down	load as TS	V							4
Title			Code =	Country or ar		City/town ▼	Collections	Number of specimens	Specimens in GBIF
Natural History Museum, London			NHMUK	United Kingdom		South Kensington	1	80,000,000	5,376,633
Royal Botanic Gardens, Kew			K	United Kingdom		Kew	2	7,000,000	1,353,421
Oxford University Museum of Natural History			OUMNH	United Kingdom		Oxford		6,036,500	3,273
Royal Botanic Garden Edinburgh			RBGE	United Kingdom		Edinburgh	9	3,000,000	1,453,788
University Museum of Zoology, Cambridge			CAMZM	United Kingdom		Cambridge		2,005,500	65,921
World Museum, National Museums Liverpool			NML	United Kingdom		Liverpool	3	1,600,000	15,809
Bristol Museum & Art Gallery			BRSMG	United Kingdom		Bristol	2	1,297,600	25
Norfolk Museu			NMS	United King	gdom	Norwich	1	1,275,000	60
Cambridge Un	Cambridge University Herbarium			United Kingdom		Cambridge	1	1,100,000	656
Sedgwick Mus	Sedgwick Museum of Earth Sciences			United Kingdom		Cambridge		1,093,800	
University of Manchester			MANCH	United Kingdom		Manchester	3	1,000,000	
The Hunterian, University of Glasgow			GLAHM	United Kingdom		Glasgow		981,600	4
Royal Pavilion and Museums Trust		BTNRP	United Kingdom		East Sussex	1	952,500	1	
Glasgow Museums, Glasgow Life		GMGL	United Kingdom		Glasgow		600,000		
Yorkshire Museum		YORYM	United Kingdom		York	1	553,000	5	
National Muse	National Museum of Wales		NMWC	United Kingdom		Cardiff	3	550,000	698
University of O	University of Oxford		OXF	United Kingdom		Oxford	1	500,000	857
University of Leicester		LTR	United Kingdom		Leicester	1	396,100	264	
CABI Bioscience UK Centre		IMI	United Kingdom		Egham	1	385,000		
The Great Nort	th Museur	m : Hancock			Newcastle upon Tyne		345,900		
Ipswich Museu Museums)	ım (Colch	ester and Ipswich	IPSMG	United King	gdom	Ipswich	1	340,200	18
Shetland Muse	eum and A	Archives	SMAA	United King	gdom	Shetland	1	305,700	
University of O	xford		FHO	United King	gdom	Oxford	1	300,000	1,161
Horniman Museum and Gardens			HNN	United Kingdom		UK	1	258,200	1
University of R	University of Reading			United Kingdom		Reading	2	254,000	187



downscaling

The Value of GBIF





Primary research survey of GBIF users

The online survey of 605 respondents in summer 2022 focused on three areas:

- Demographics: Who uses GBIF-mediated data?
- Valuation: What is access to data worth?
- Experience: User perspectives on interactions with data and services

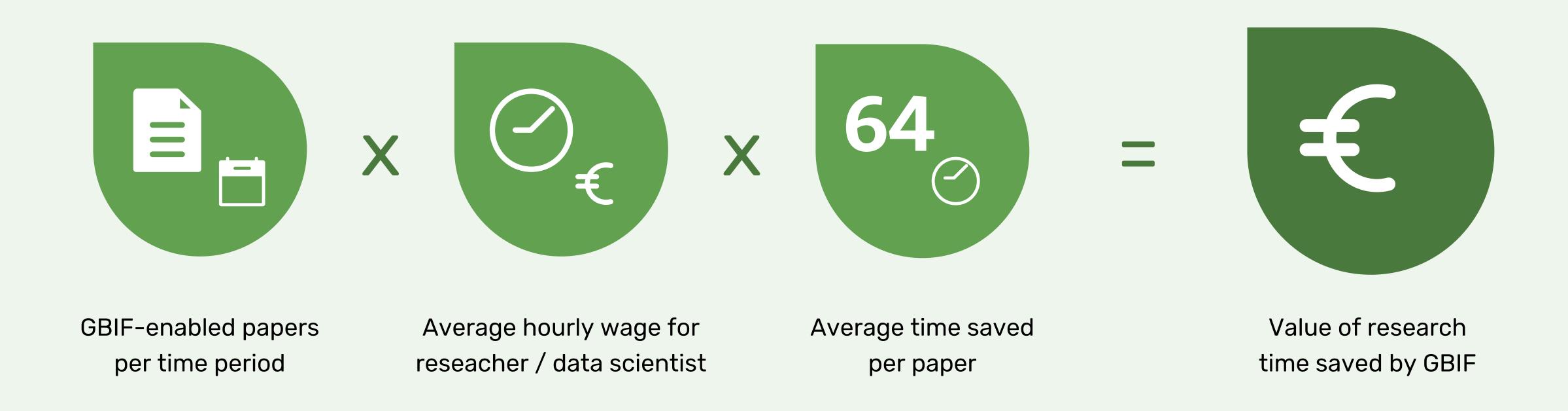


The most substantial and quantifiable benefit of GBIF is an average estimated time saving of **64 hours per user** over finding data through alternative sources.

-Economic valuation and assessment of the impact of the GBIF network

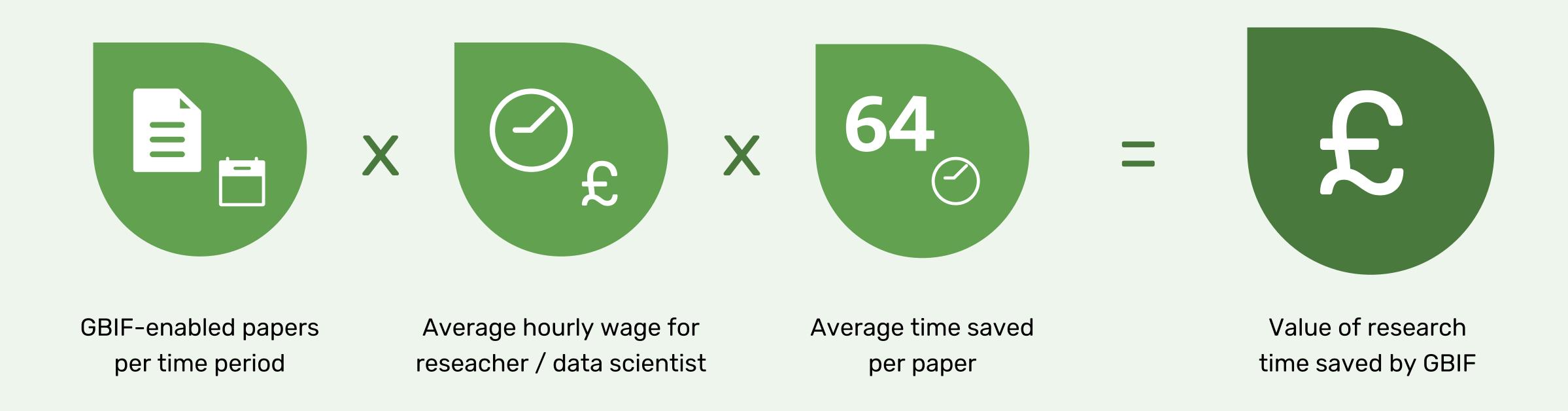


Downscaling the value of GBIF-enabled time savings in research



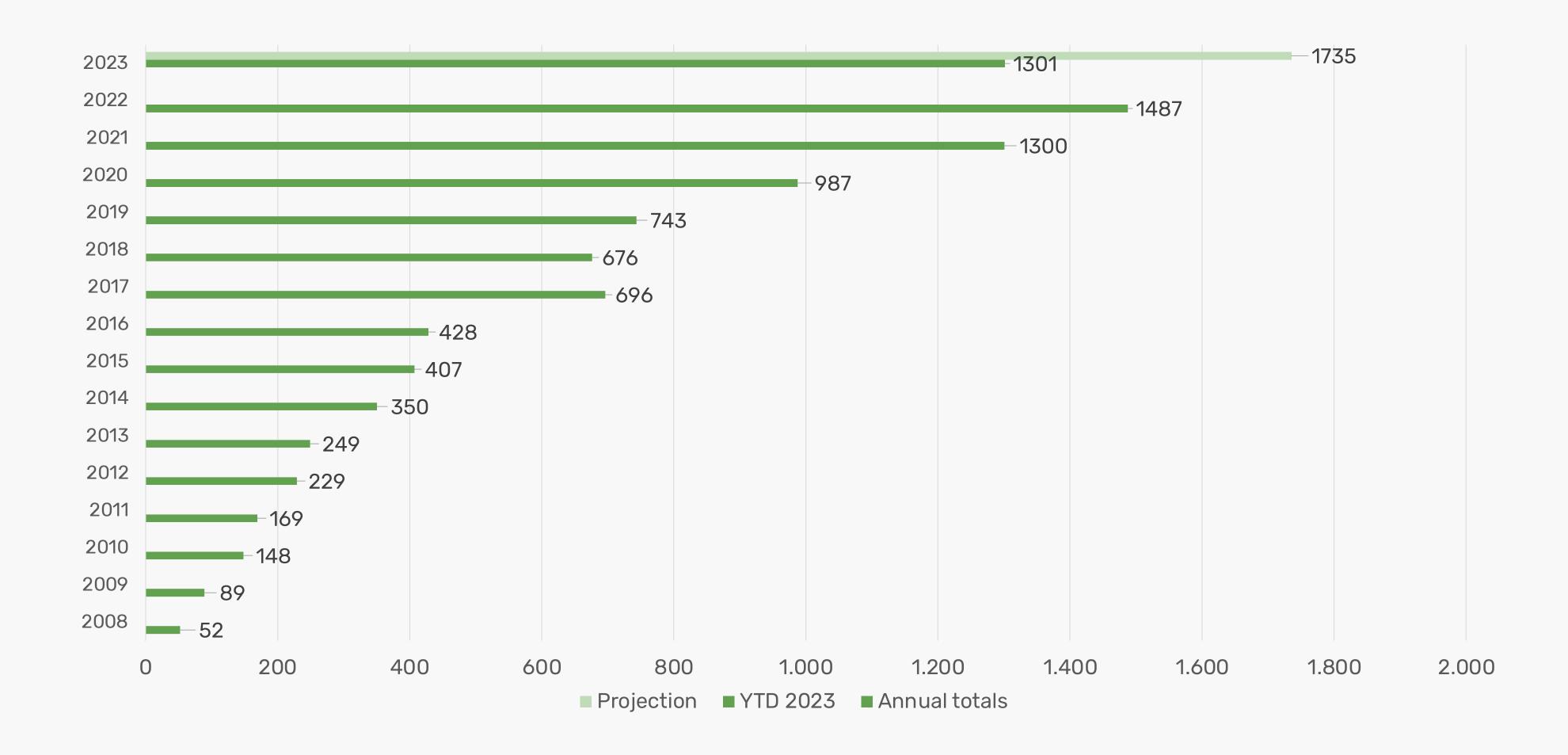


Downscaling the value of GBIF-enabled time savings in research

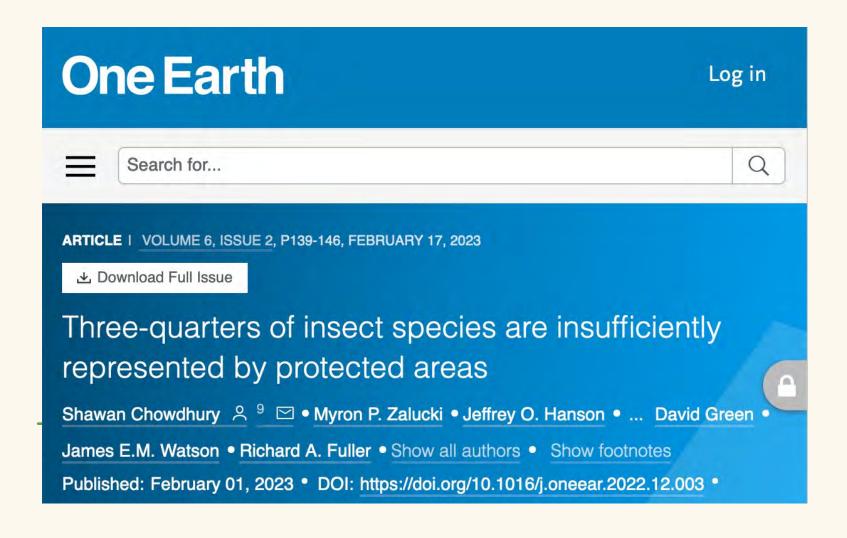




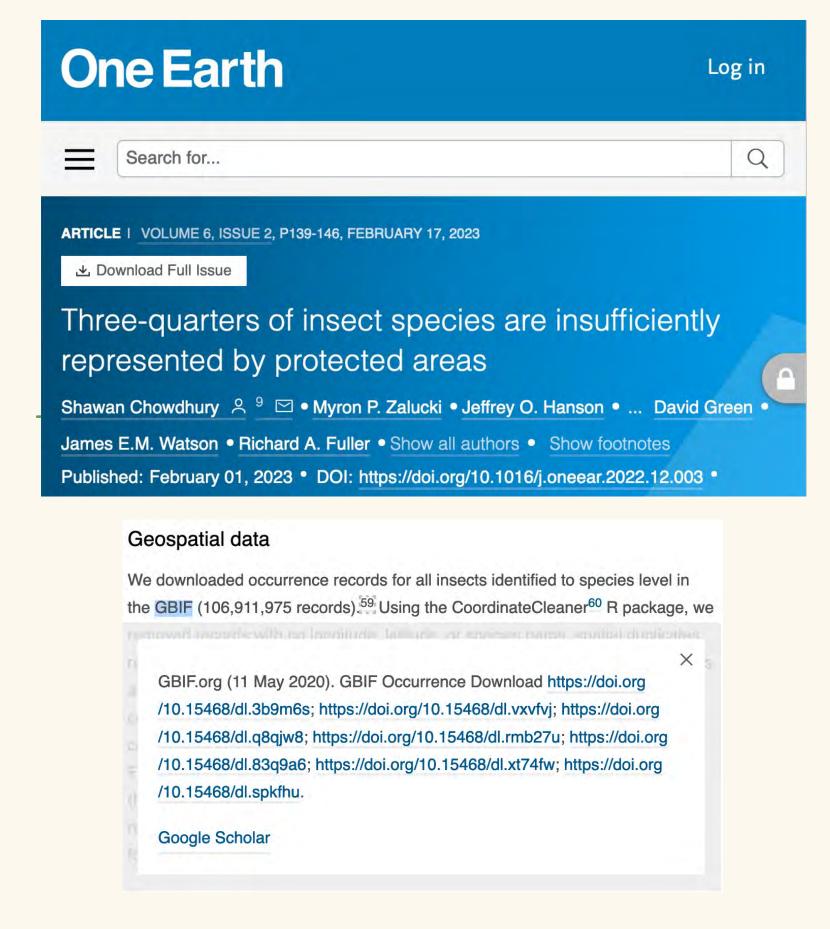
Peer-reviewed publications using GBIF-mediated data





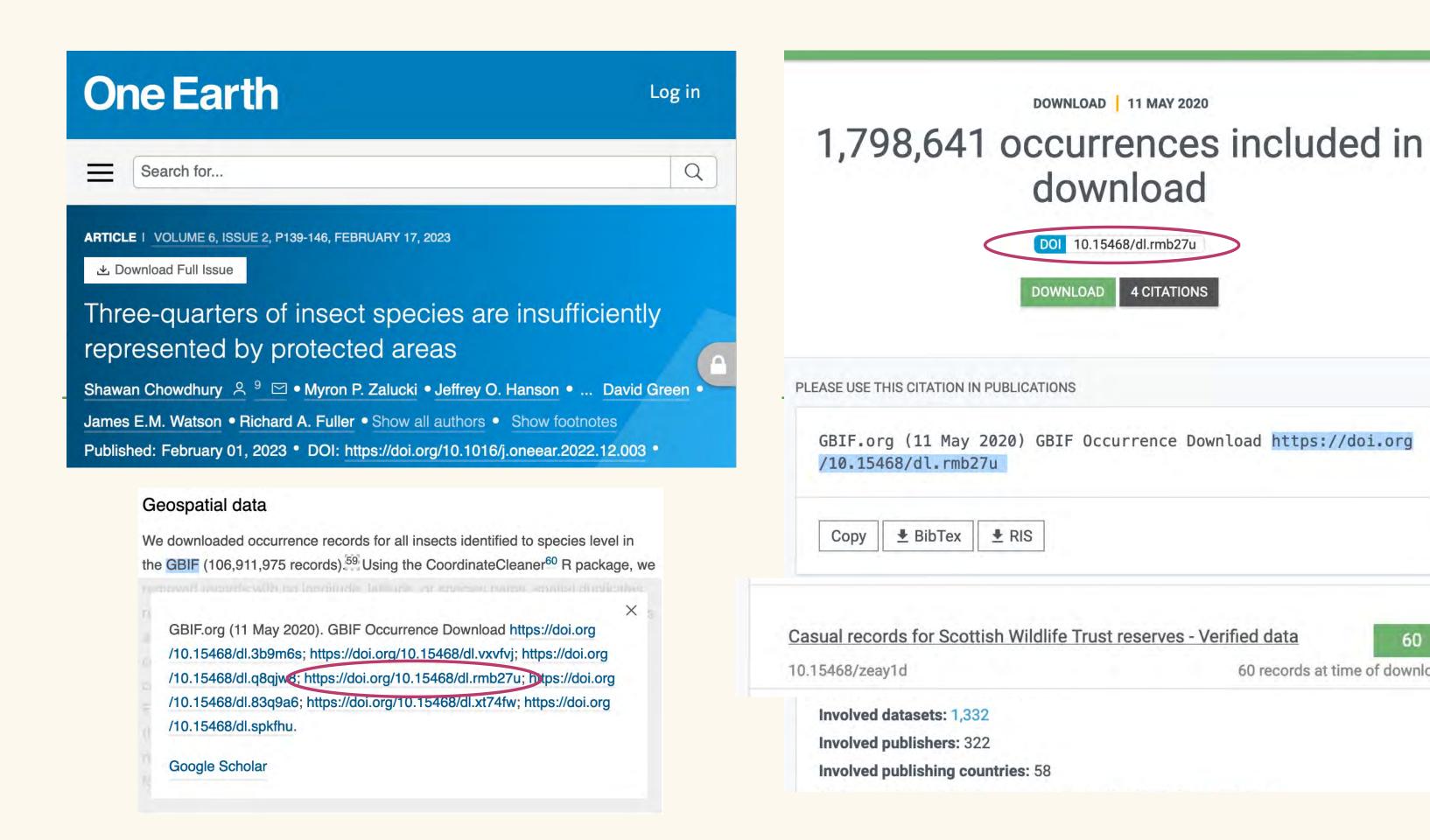




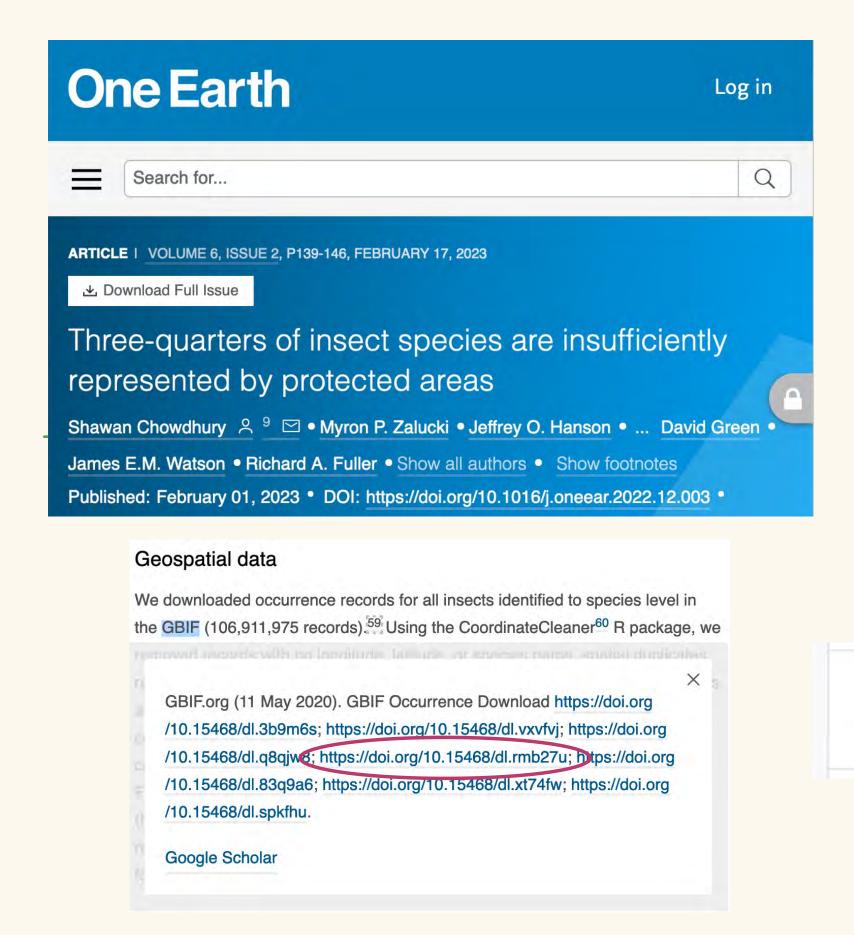


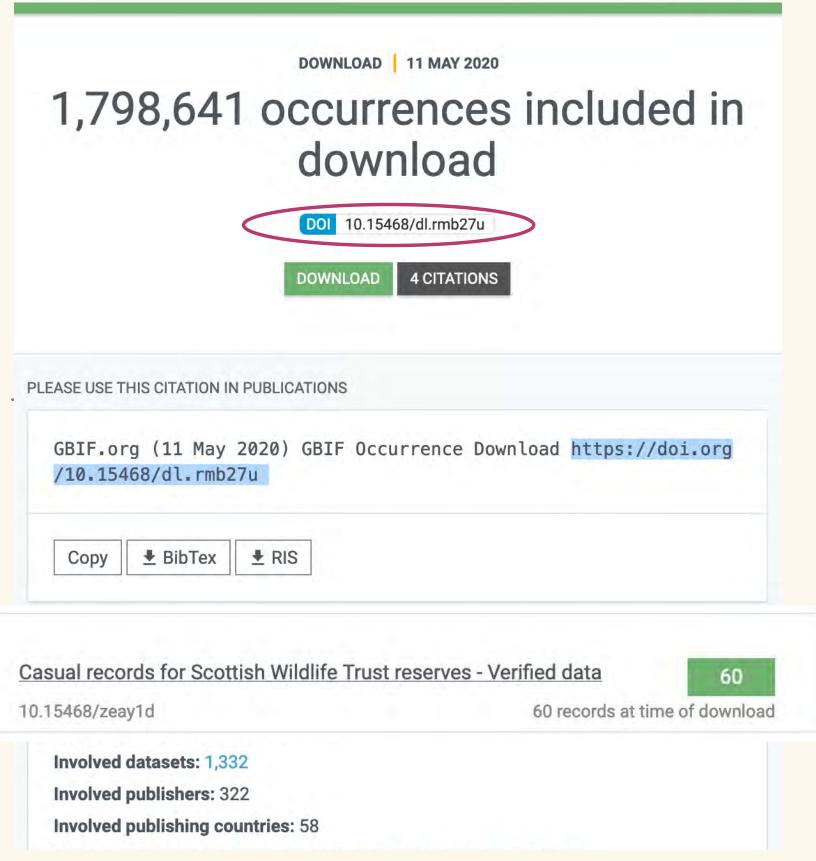


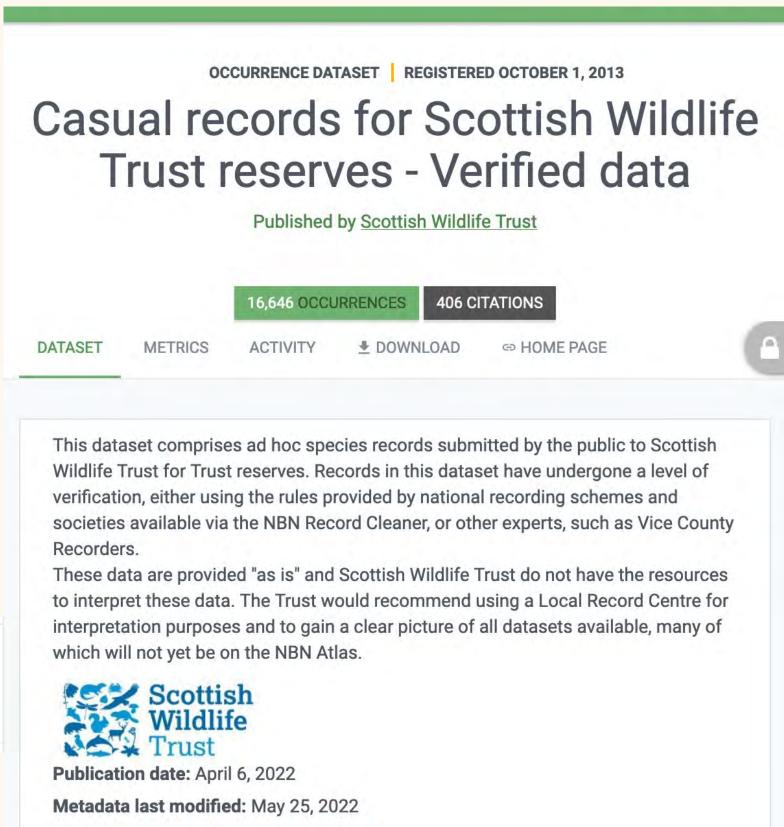
60 records at time of download





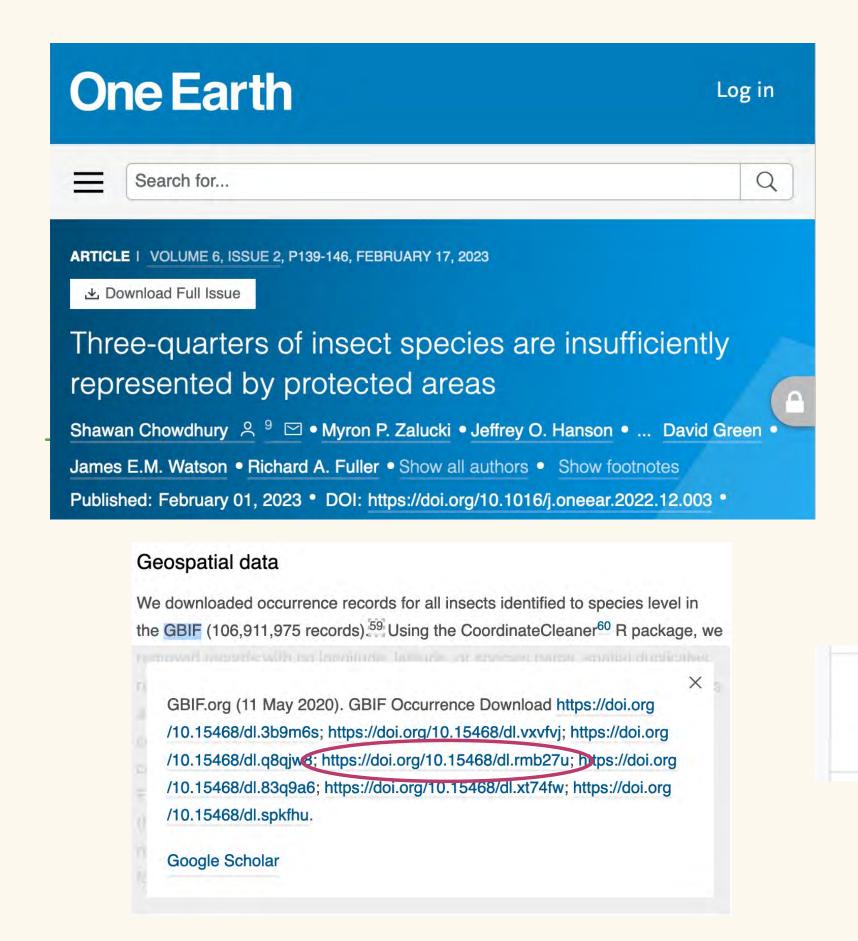


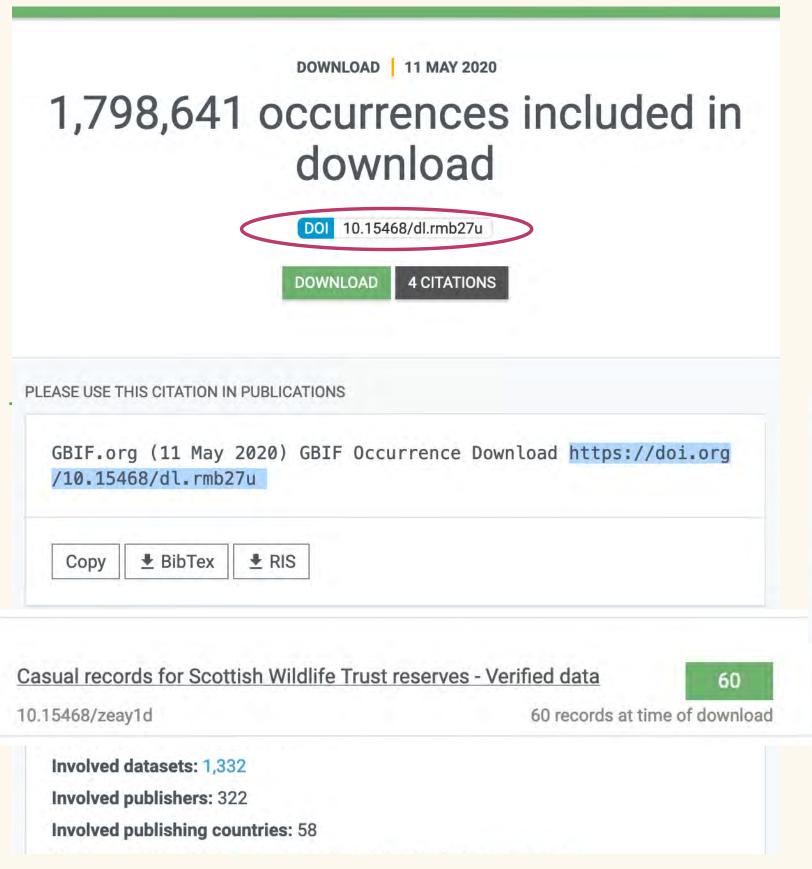


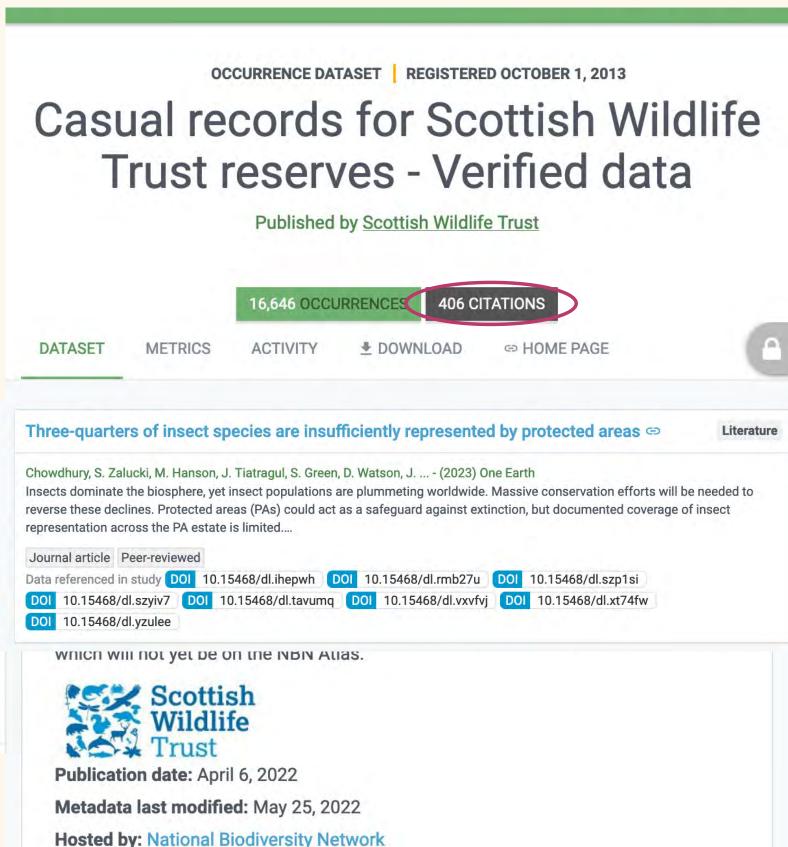


Hosted by: National Biodiversity Network











-√- x̄_A Q □ Login

PUBLISHER | SINCE NOVEMBER 15, 2016

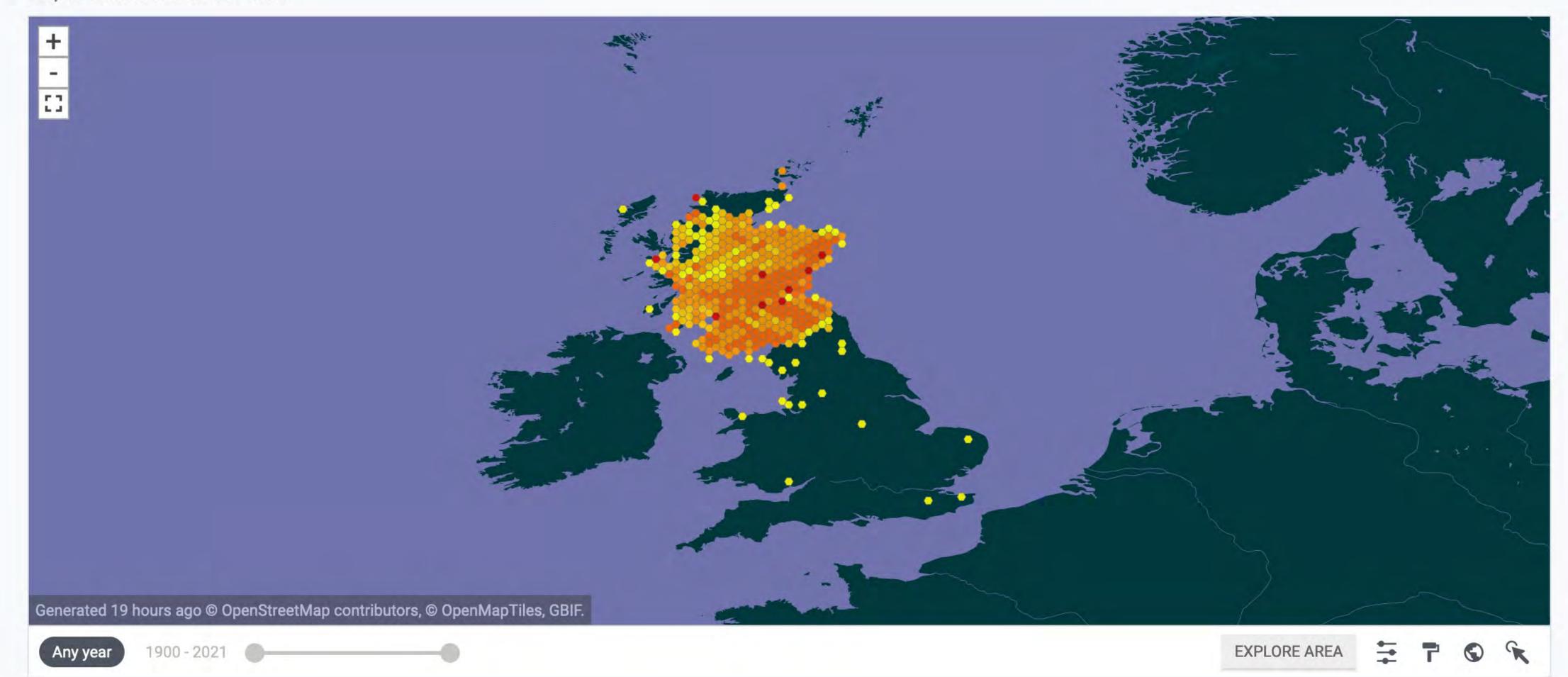
Scottish Wildlife Trust

ABOUT METRICS ⇔ HOME PAGE 341,967 OCCURRENCES

9 DATASETS

664 CITATIONS

341,967 GEOREFERENCED RECORDS



GBIF data citation widget

- Gives data publishers a quick and easy way to display GBIF data citations for both individual datasets and publishers
- Allows embedding of citation counts or citation feeds into their website
- Supports full range of filters and facets available through the literature tracking programme



Citation widget in action: NatureScot

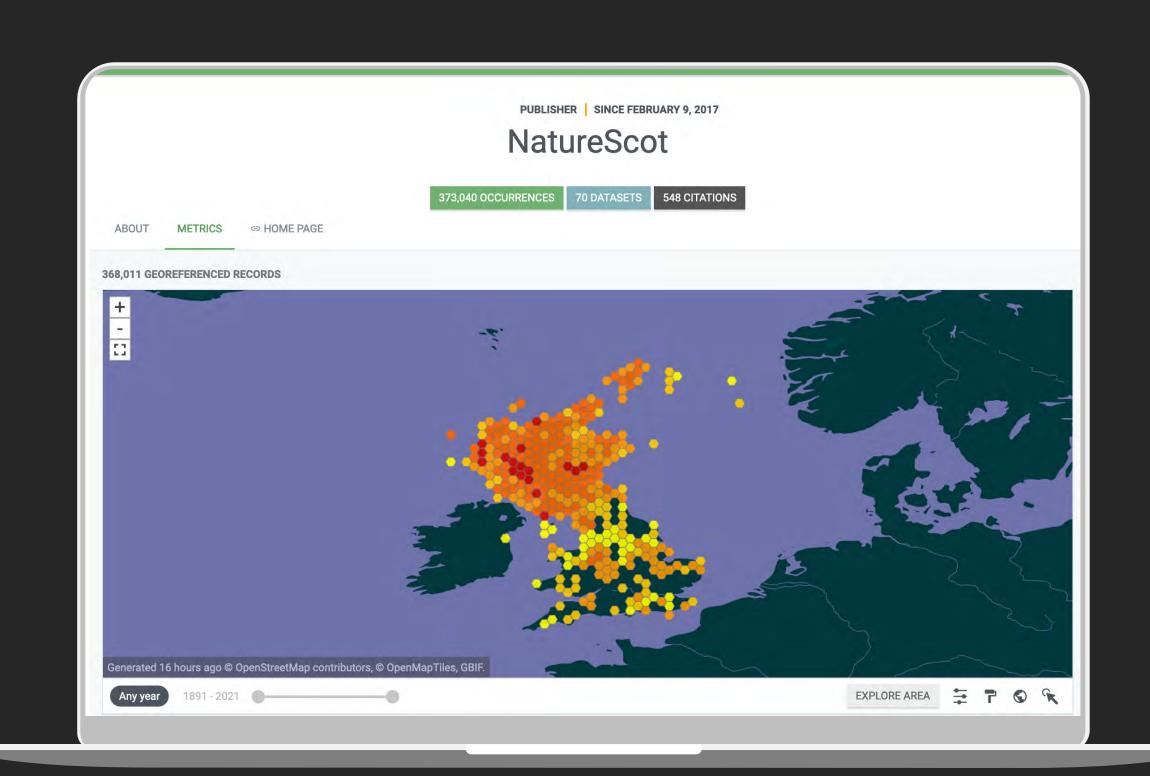
Button code

```
<iframe src="https://www.gbif.org/
api/widgets/literature/button?

publishingOrganizationKey=98ba8467-
5081-4d15-b168-32d893e18b76"

scrolling="no" frameborder="0"
allowtransparency="true"
allowfullscreen="false"
style="width: 140px; height:
24px;"></iframe>
```

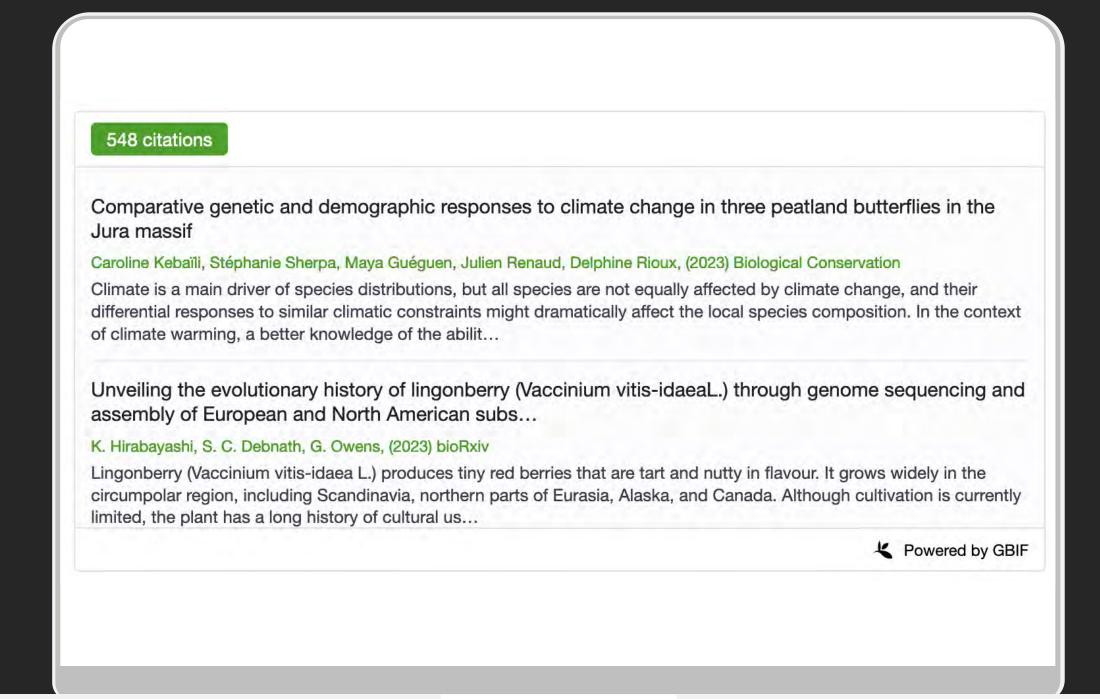




Citation widget in action: NatureScot

Widget code

```
<iframe src="https://www.gbif.org/
api/widgets/literature/latest?
publishingOrganizationKey=
98ba8467-5081-4d15-b168-
32d893e18b76" scrolling="no"
frameborder="0"
allowtransparency="true"
allowfullscreen="false"
style="width: 100%; height:
350px;"></iframe>
```



downscaling

The Value of GBIF





Support materials for public outreach across the NBN & GBIF networks







Thank you! (and happy Thanksgiving!)

Kyle Copas | kcopas@gbif.org

@kylecopas@scicomm.xyz | @gbif@ecoevo.social



