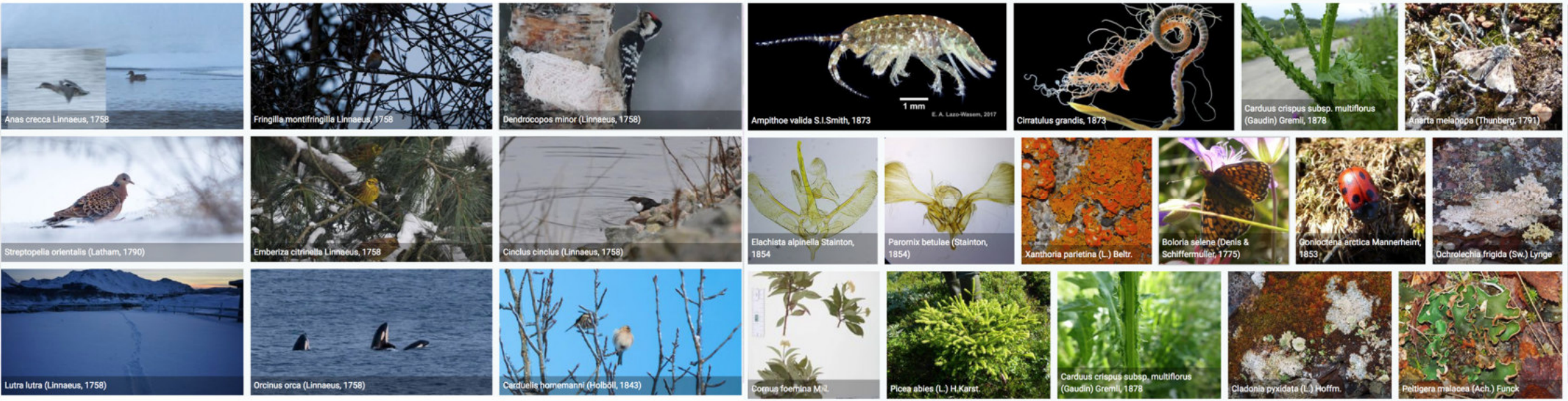
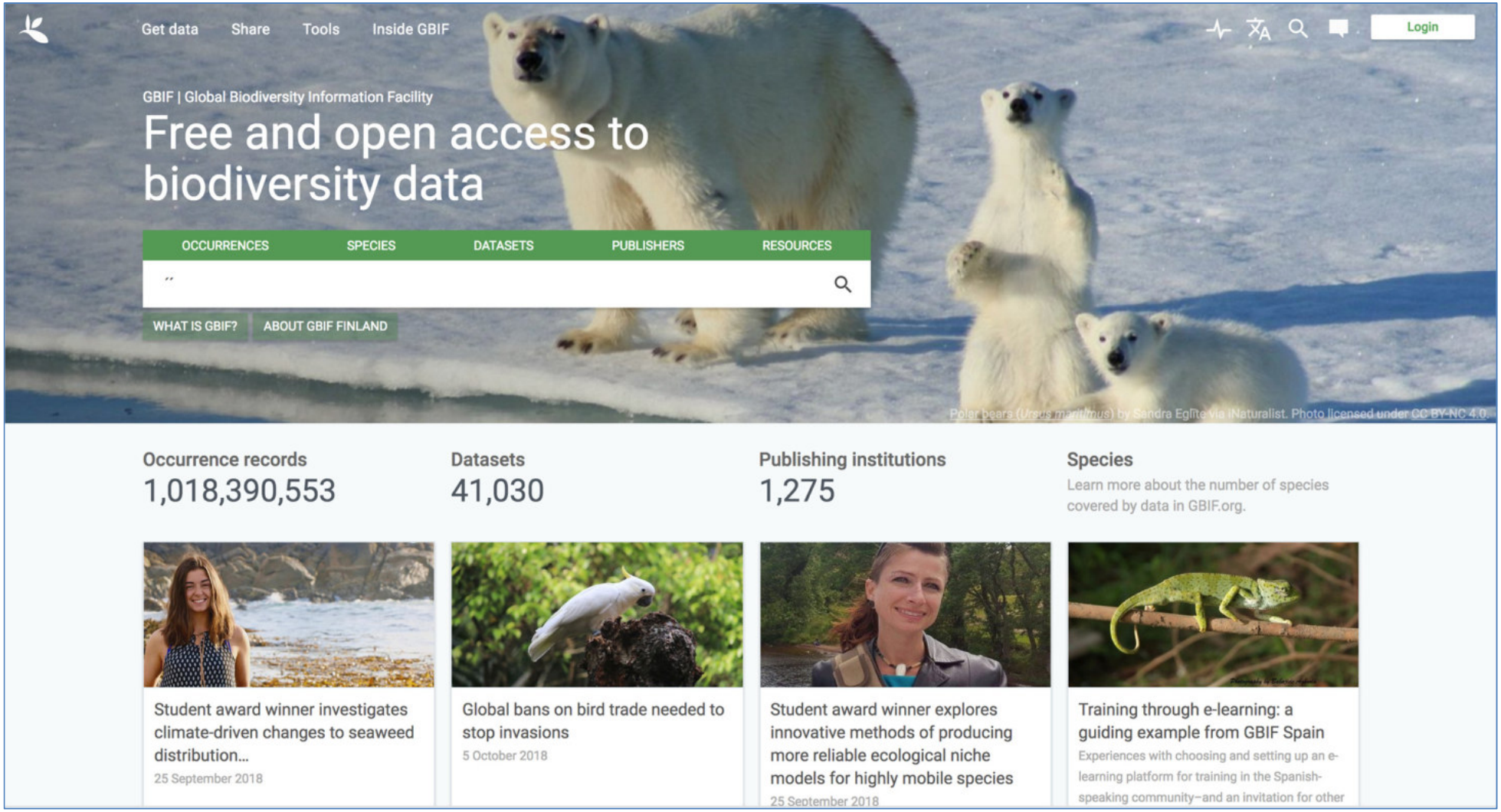
GBIF Global Biodiversity Information Facility



Sharing Arctic species occurrence data through GBIF

Tim Hirsch, Deputy Director, GBIF Secretariat

ARCTIC BIODIVERSITY CONGRESS, ROVANIEMI, 10 OCTOBER 2018



https://www.gbif.org/

DATA RICHNESS LEVELS SUPPORTED BY GBIF

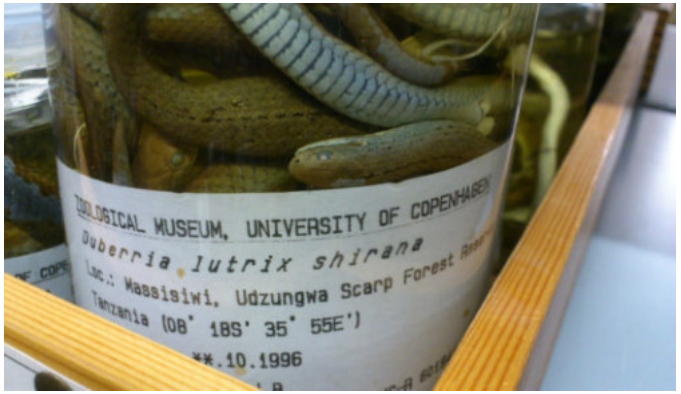
FULL TITLE

BOS Arthropod Collection of University of Oviedo (Spain): Opi
events subset

DESCRIPTION

In this study, we analyse the relevance of harvestmen distribu
opportunistic, unplanned, and non-standardised collection ev
of the Iberian Peninsula. Using specimens deposited in the BC
the University of Oviedo, we compared these data with data f
and periodic collections with pitfall traps in several locations i
Arthropod Collection, begun in 1977, includes specimens deri
types, and its recent digitisation allows for this type of compa

Collection Metadata



Species Occurrences

Species Checklists

Sampled Organisms

RELATIVE ABUNDANCES THROUGH SAMPLING EVENT DATA

NEWS | 20 JULY 2018

Event lists added to sampling-event datasets

Enhancement is first in a series that will improve presentation, comparison and visualization of ecological monitoring datasets

Event ID	Event date	Sampling protocol	Occurrence count
2001-AUTUMN-L003	May 11, 2001	Bottom trawl	32
2001-AUTUMN-L023	May 27, 2001	Bottom trawl	29
2002-SUMMER-L092	February 20, 2002	Bottom trawl	29
2002-SUMMER-L054	February 2, 2002	Bottom trawl	25

Event list from sampling-event dataset, Demersal and pelagic species of fish and squid from the Patagonian shelf

https://www.gbif.org/dataset/83cbb4fa-f762-11e1-a439-00145eb45e9a

RELATIVE ABUNDANCES THROUGH SAMPLING EVENT DATA

EVENT DESCRIPTION

Sampling

Specimens of fish and squid (commercial target and by catch) were taken daily by commercial fishing vessels operating with bottom trawls during autumn (May-June, 2001, 51 catches), winter (July-August, 2001, 38 catches) and summer (January-February, 2002, 112 catches). The fishing company provided the associated data of each fishing haul: date, hour and location decimal Latitude and Longitude of the position while pulling the net) and depth of the catch (the maximum depth reached by the net). Specimens were frozen on board,and identified at species level at the Ichthyology laboratory of Centro Nacional Patagonico, Puerto Madryn, Argentina. The taxonomical identification of species was made by the specialists Dr. A. Gosztonyi and Dr. M. Re and the scientific names and their current accurate spelling were also reviewed using suitable literature (Brunetti et al., 1998; C
WoRMS web site(http://www.marinespecies.org/). Sex (when possible) an
each specimen: wet mass (g) and wet mass of viscera (g, empty stomach)
mantle, head and fin length and width (cm) for squid; left and right fin leng
skates.

Parent event ID: 2001-AUTUMN

Sampling protocol: Bottom trawl

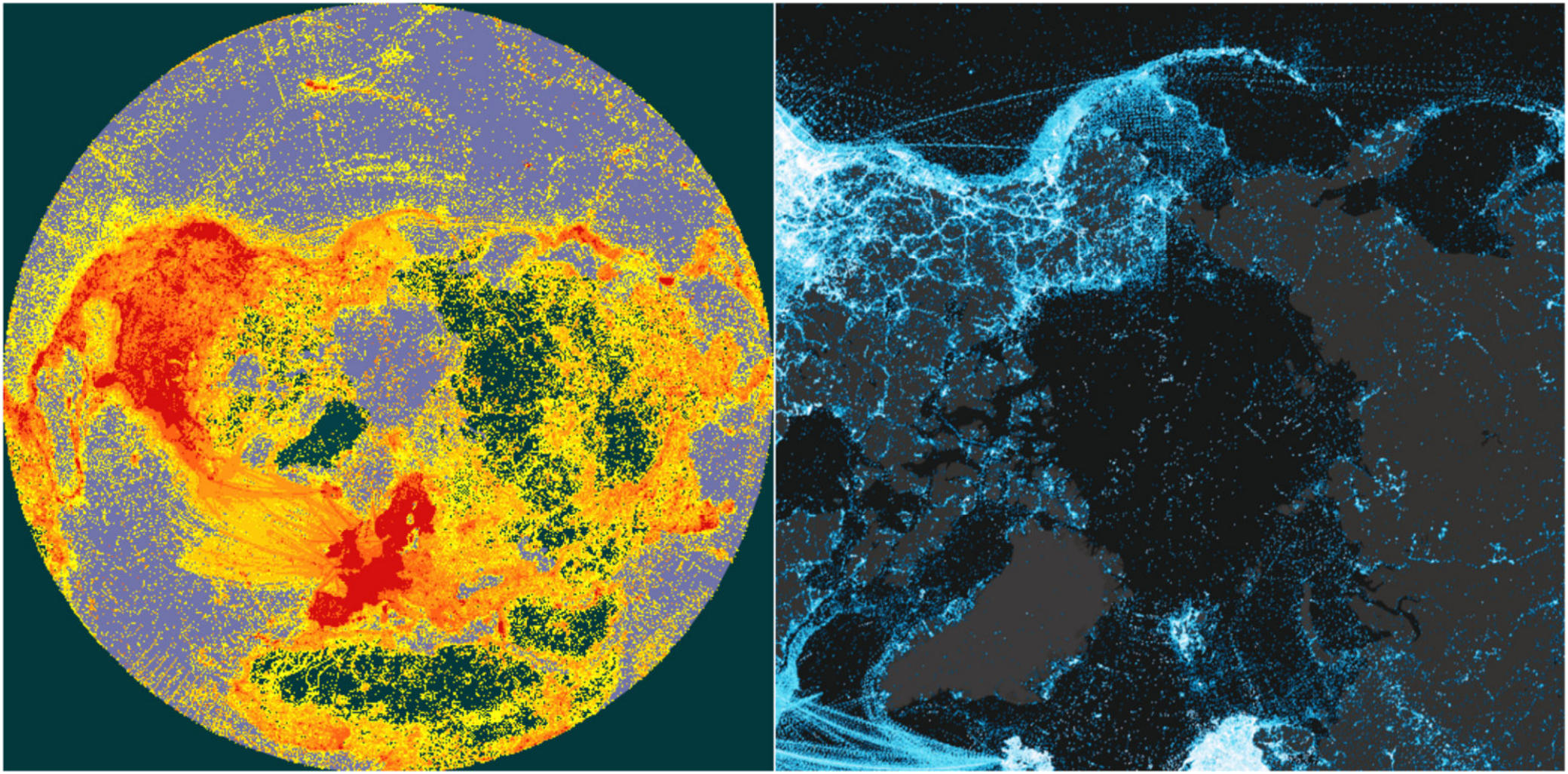
Published by: ArOBIS Centro Nacional Patagónico

How to cite

OCCURRENCES PER SPECIES

Species	Count
Cottoperca gobio (Günther, 1861)	6
Macruronus magellanicus Lönnberg, 1907	5
Seriolella punctata (Forster, 1801)	4
Genypterus blacodes (Forster, 1801)	2

https://www.gbif.org/dataset/83cbb4fa-f762-11e1-a439-00145eb45e9a



GBIF

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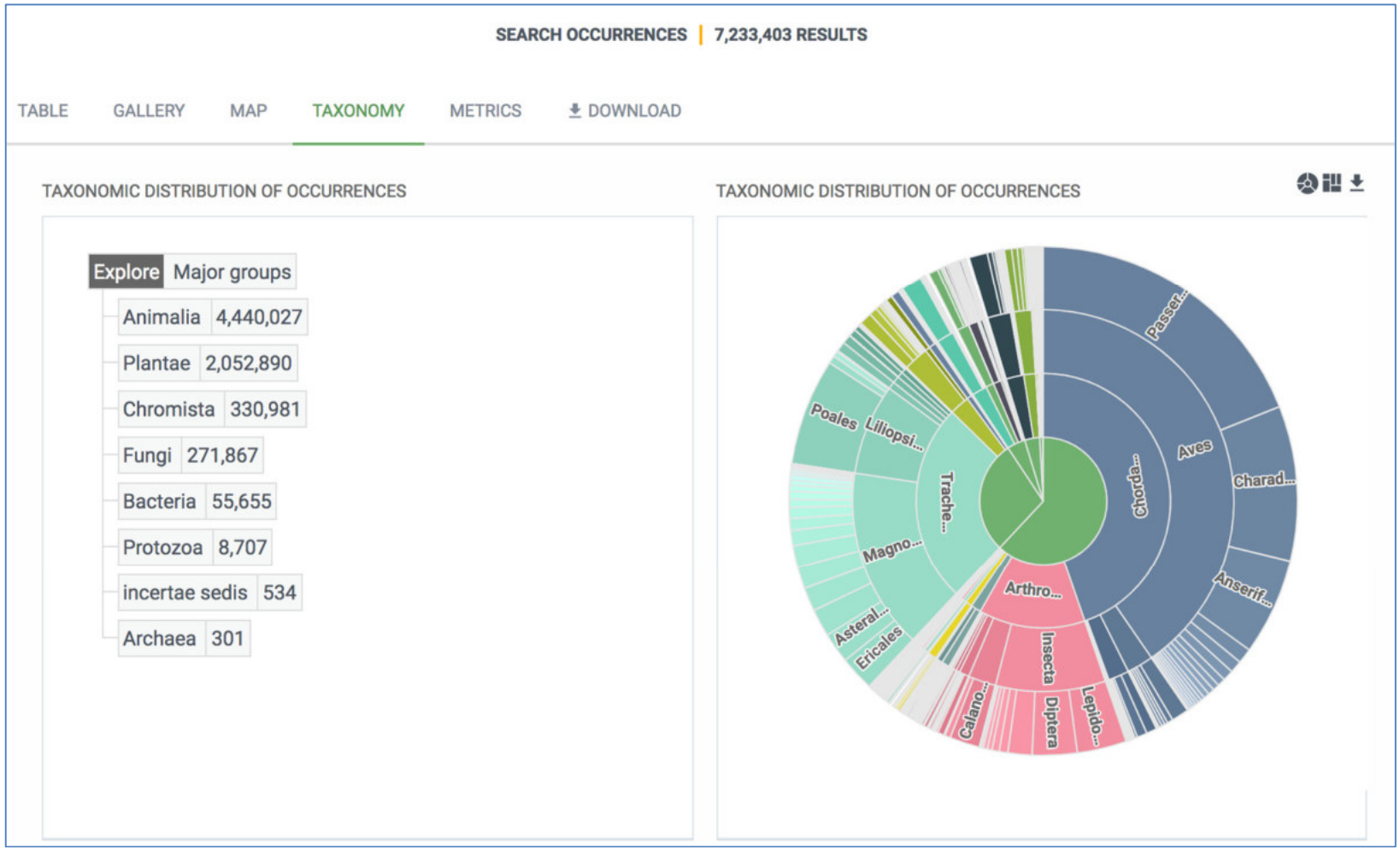
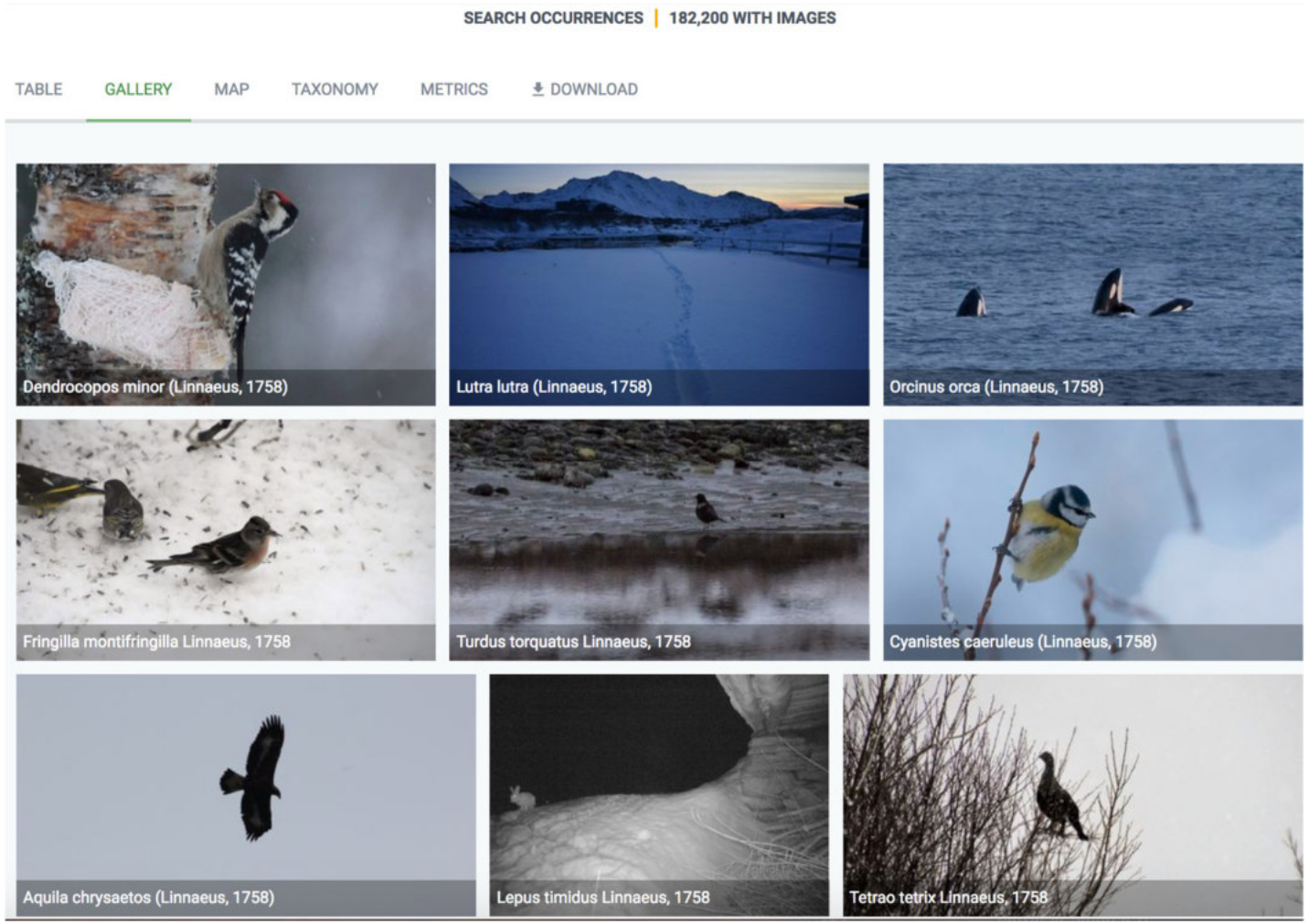
SPECIES OCCURRENCE RECORDS FROM THE ARCTIC*



*Georeferenced data above 66 deg N https://www.gbif.org/occurrence/taxonomy?geometry=POLYGON((-180%2066,180%2066,180%2090,-180%2090,-180%2066))

SPECIES OCCURRENCE RECORDS FROM THE ARCTIC



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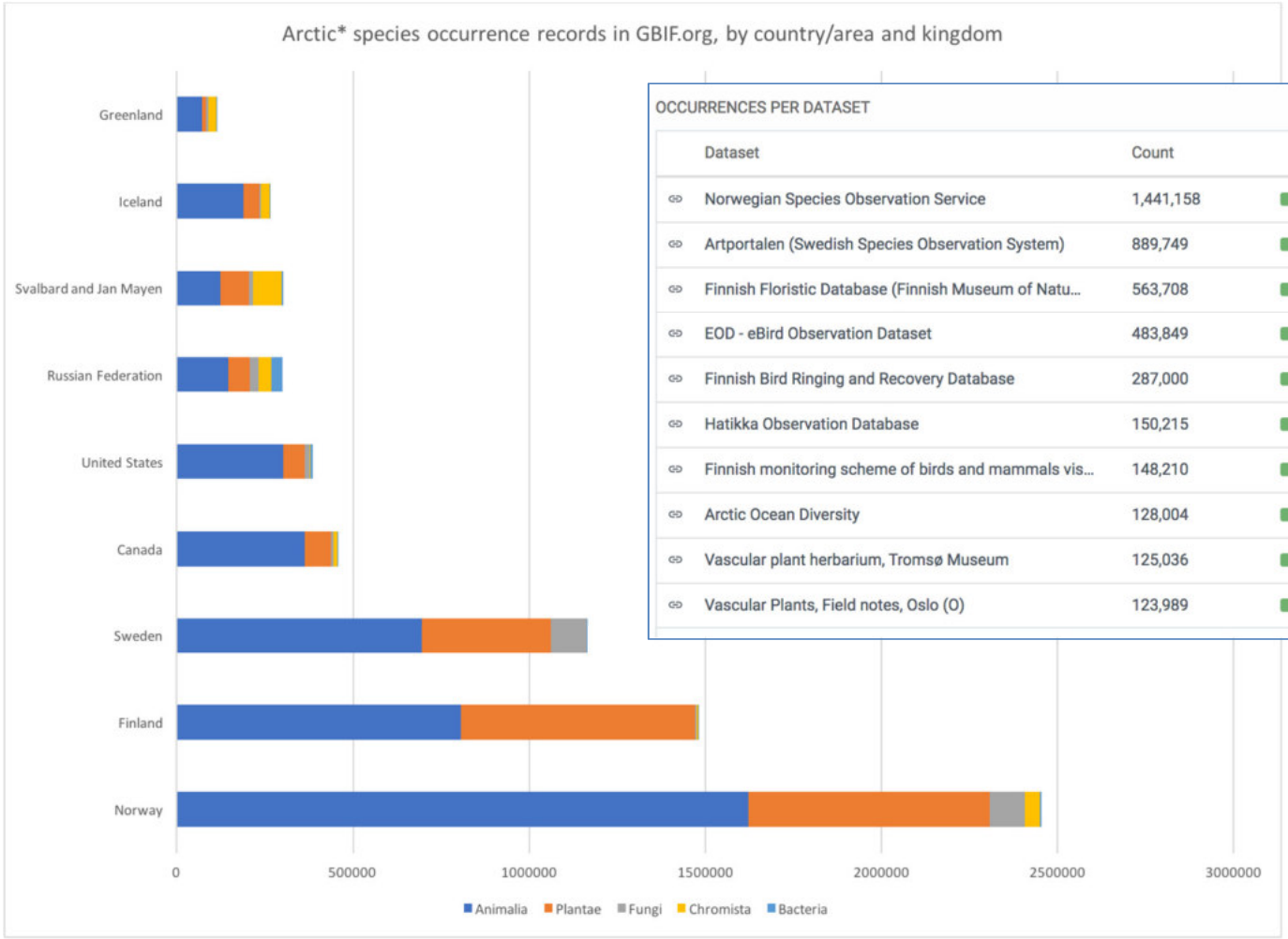
SPECIES OCCURRENCE RECORDS FROM THE ARCTIC



OCCURRENCES PER DATASET

Dataset	Count
Norwegian Species Observation Service	1,441,158
Artportalen (Swedish Species Observation System)	889,749
Finnish Floristic Database (Finnish Museum of Natu...	563,708
EOD - eBird Observation Dataset	483,849
Finnish Bird Ringing and Recovery Database	287,000
Hatikka Observation Database	150,215
Finnish monitoring scheme of birds and mammals vis...	148,210
Arctic Ocean Diversity	128,004
Vascular plant herbarium, Tromsø Museum	125,036
Vascular Plants, Field notes, Oslo (O)	123,989

* Georeferenced records with latitude higher than 66 degrees N
https://www.gbif.org/occurrence/search?geometry=POLYGON((-180%2066,180%2066,180%2090,-180%2090,-180%2066))

CAFF AS A GBIF/OBIS DATA PUBLISHER

PUBLISHER | SINCE 28 SEPTEMBER 2015

Conservation of Arctic Flora and Fauna

314,826 OCCURRENCES | 69 DATASETS | 8 CITATIONS

Archives of the Arctic Seas Zooplankton — Occurrence dataset

Dataset containing over 45579 quantitative zooplankton records. Data collected from scientific cruises from 1900-1973 in the Eurasian Arctic Seas, Polar Basin and the North-West Pacific.

Published by Conservation of Arctic Flora and Fauna

45,697 occurrences | 3 citations

Phytoplankton from the White Sea, Barents Sea, Norwegian Sea and Arctic Basin 1993-2003 — Occurrence dataset

This dataset describes the Arctic plankton species and diversity in a study area northwest of Russia. It consists of a large database of 37,300 records from 1993-2003. A total of 434 species are repre...

Published by Conservation of Arctic Flora and Fauna

37,325 occurrences | 2 citations

Arctic Species Trend Index (ASTI) : Marine — Occurrence dataset

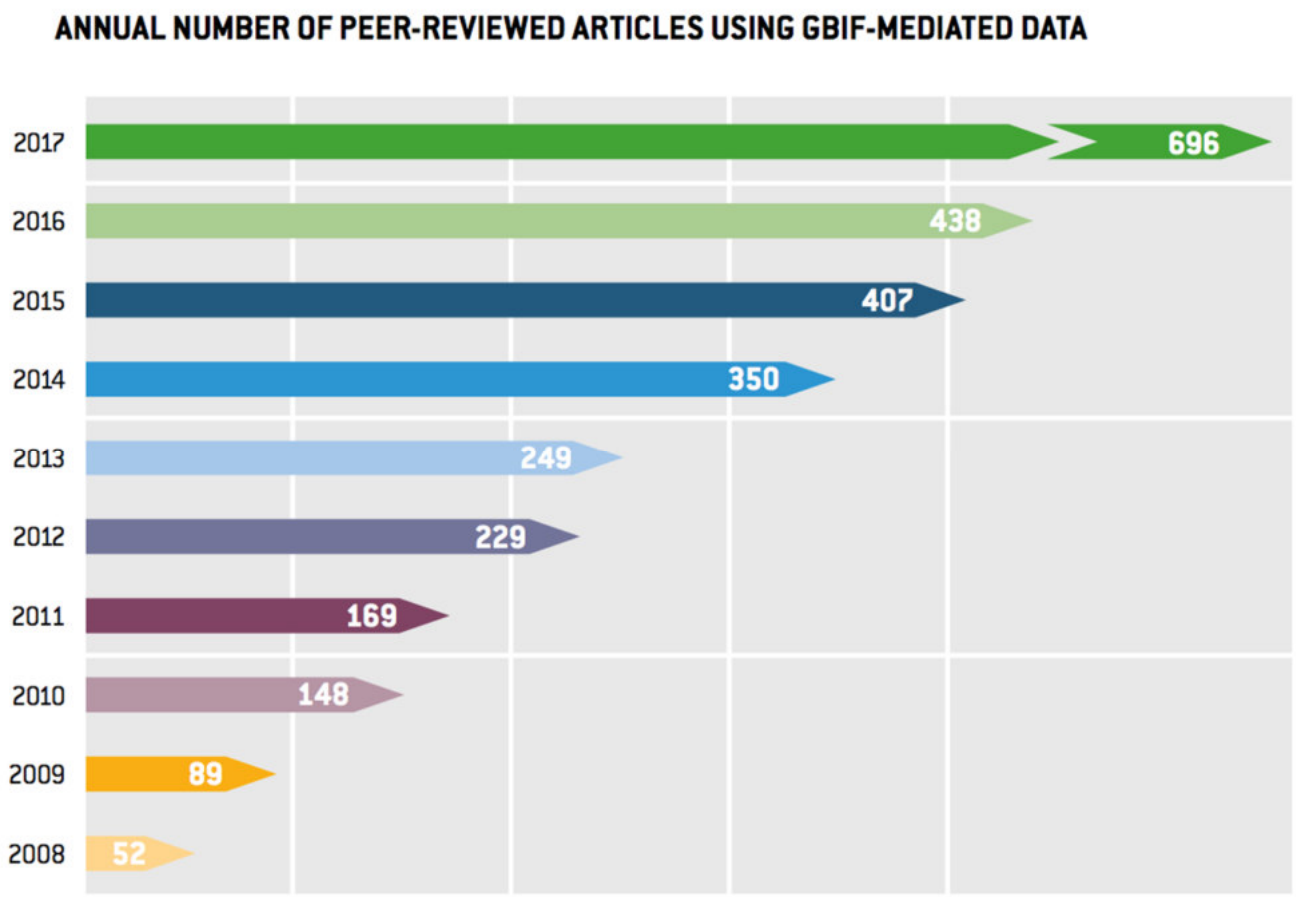
The Circumpolar Biodiversity Monitoring Program, a cornerstone programme of the Conservation of Arctic Flora and Fauna (CAFF), Arctic Council working Group is an international network of scientists, g...

Published by Conservation of Arctic Flora and Fauna

23,562 occurrences | 3 citations

https://www.gbif.org/publisher/44862593-2fdd-4491-ab79-b500b8272aac

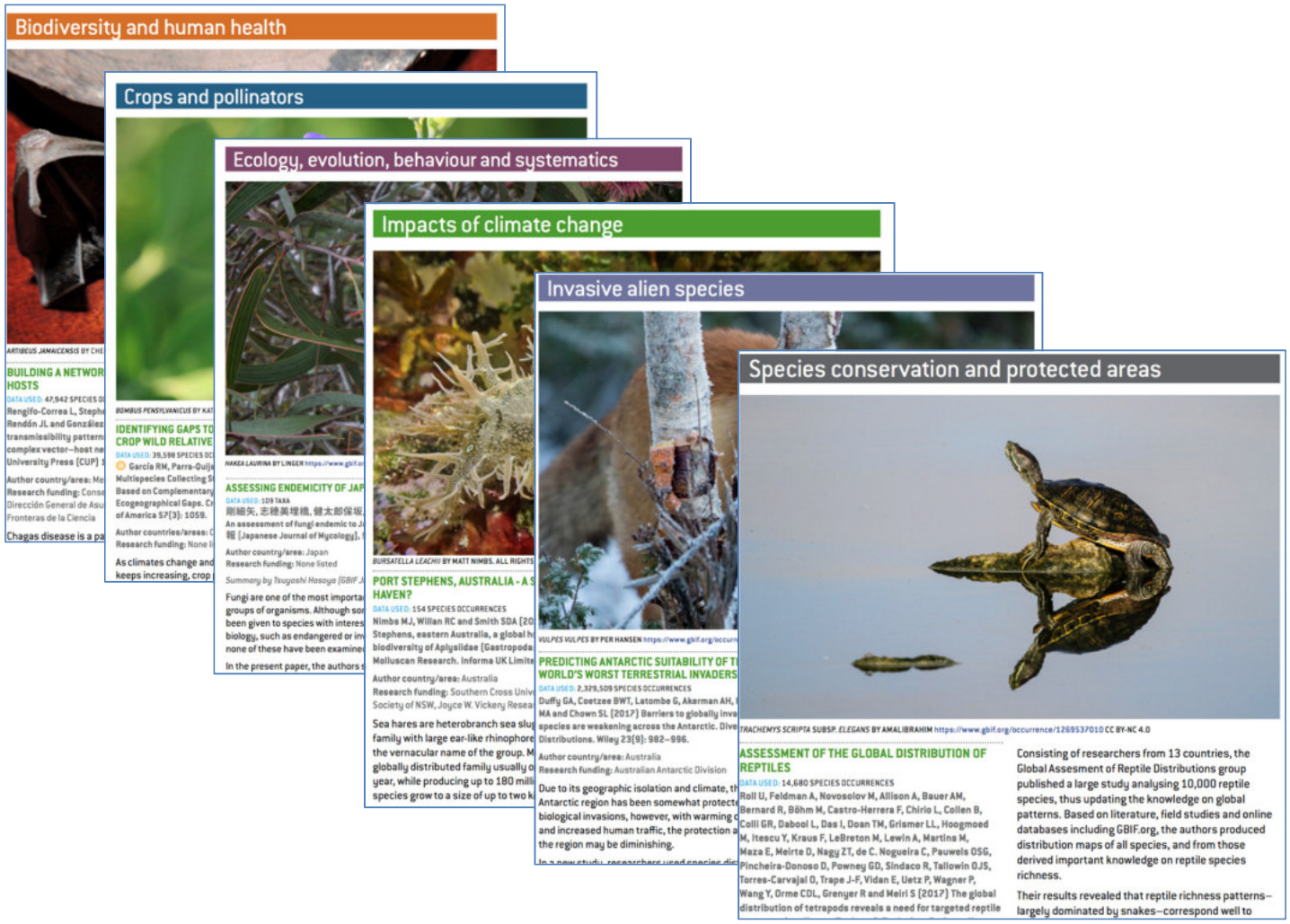
REUSE OF GBIF-MEDIATED DATA IN RESEARCH



https://www.gbif.org/science-review

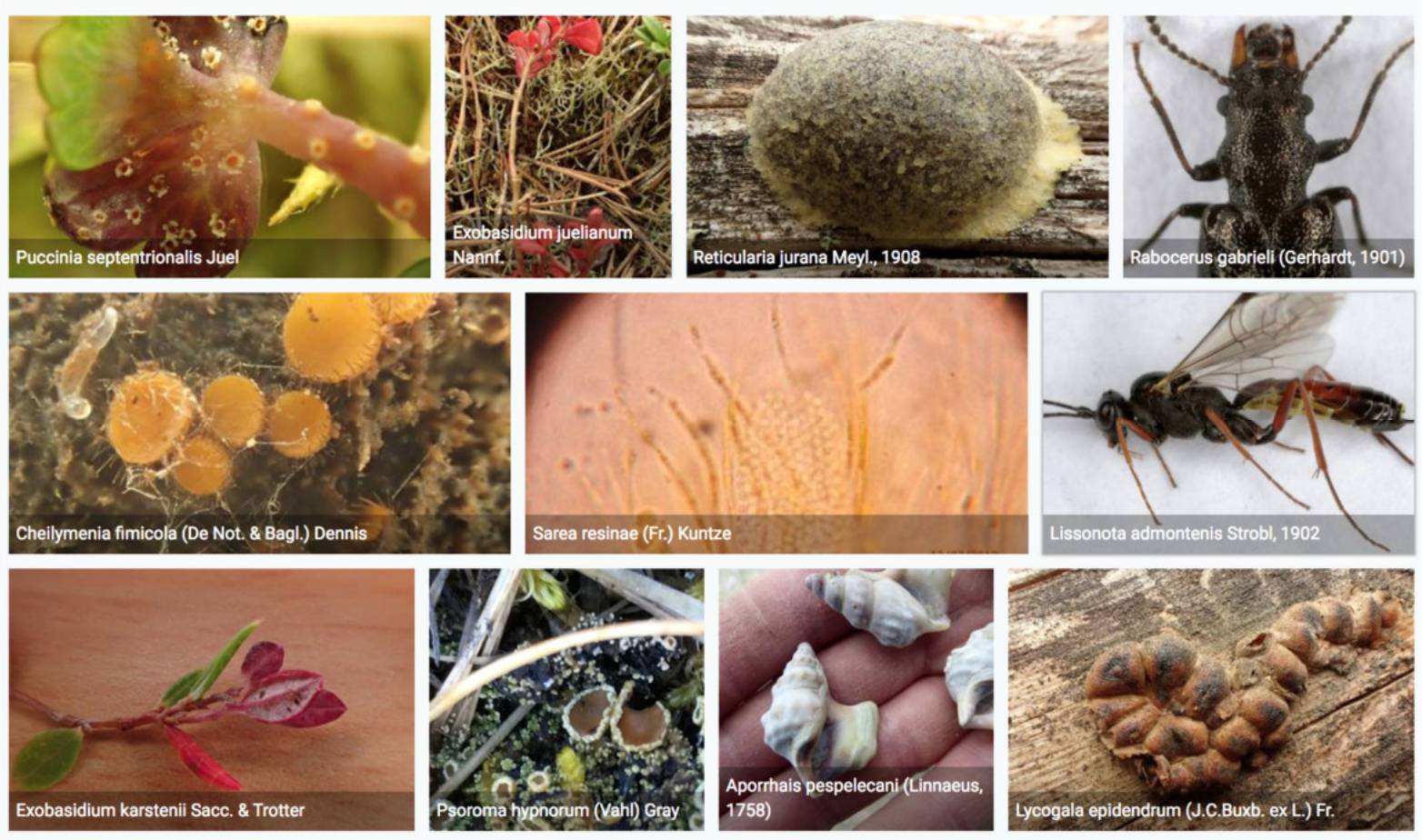
GBIF

REUSE OF GBIF-MEDIATED DATA IN RESEARCH



https://www.gbif.org/science-review

THANK YOU!



thirsch@gbif.org