



**GBIF**

Global Biodiversity  
Information Facility



# Report from Executive Secretary

*GB25, 16 October 2018, Kilkenny, Ireland*

*Donald Hobern, GBIF Executive Secretary*

*Macropus robustus* Gould, 1841, subspecies *erubescens*, Euro, Denham, WA, Australia, 10 January 2018

# SECRETARIAT STAFFING

## *Management*

Executive Secretary: Donald Hobern

### ***Participation & Engagement***

**Deputy Director:**  
Tim Hirsch

**Programme Officer:**  
Mélianie Raymond

**Programme Officer:**  
Andrew Rodriques

**Programme Officer:**  
Laura Russell

**Programme Coordinator**  
Maheva Bagard Laursen

**Scientific Officer:**  
Dmitry Schigel

**Communications Manager:**  
Kyle Copas

**Science Communications  
Coordinator:**  
Daniel Noesgaard

### ***Data Products***

**Head of Data Products:**  
Andrea Hahn

**Data Manager:**  
Jan Legind

**Data Analyst:**  
John Waller

**Data Administrator:**  
Marie Grosjean

### ***Informatics***

**Head of Informatics:**  
Tim Robertson

**Lead Software Developer:**  
Federico Méndez Hernández

**Software Developer:**  
Matthew Blissett

**Software Developer:**  
Marcos López González

**Software Developer:**  
Ravi Pathak

**Software Developer:**  
Nikolay Volik

**Web Developer:**  
Morten Høfft

**Web Developer:**  
Thomas Stjernegaard  
Jeppesen

### ***Administration***

**Head of Administration:**  
Anne Mette Nielsen

**HR Manager:**  
Susanne Sheldon

**Financial Controller:**  
Søren Bundgaard-Jensen

**Administrative Assistant:**  
Annie Elkjær Ørum-  
Kristensen  
( *Marlene Dalsgaard Nielsen* )

**Administrative Assistant:**  
Kate Frantzen

# ADDITIONAL EXPENDITURE DURING 2018

Total of €388,000 identified in agreement with Budget and Executive Committees

Regional nodes meetings (additional allocation)	<b>€15,000</b>
Russian projects (funded by GBIF Finland)	<b>€30,000</b>
Catalogue of Life Plus activity (web interface and content workshops)	<b>€100,000</b>
Collection registry (GRBio migration)	<b>€60,000</b>
Server upgrades	<b>€130,000</b>
Grant management software (ongoing licensing cost)	<b>€25,000</b>
Restructure of informatics team (responsibilities at change of ES)	<b>€28,000</b>

# GBIC2

*The Second*  
Global Biodiversity  
Informatics Conference



## SPONSORS

AGENCE FRANÇAISE  
POUR LA BIODIVERSITÉ  
ÉTABLISSEMENT PUBLIC DE L'ÉTAT

 Atlas of Living  
**Australia**  
ala.org.au

**DISCO**  
Distributed System of Scientific Collections

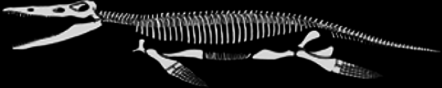
**FIE**  
MUSEUM  
**LD.**

 **GBIF**

 **iDigBio**  
Integrated Digitized Biocollections

**JRS** Biodiversity  
Foundation

 **nlbif**  
sharing biodiversity data

MUSEUM OF COMPARATIVE ZOOLOGY  
  
HARVARD UNIVERSITY

 **PENSOFT**®

**UN**   
environment  
United Nations  
Environment Programme

KØBENHAVNS  
UNIVERSITET



# HOW MUCH COORDINATION IS POSSIBLE?

EASIER



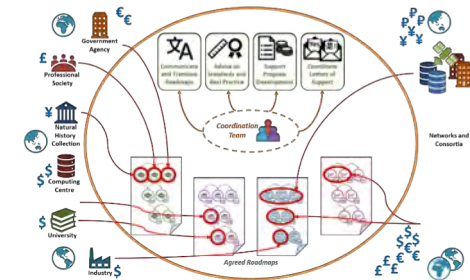
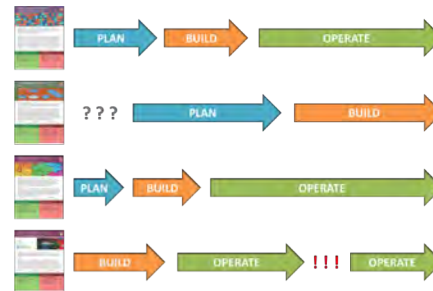
HARDER

Shared vision  
Shared language

Shared vision  
Shared language  
Shared priorities

Shared vision  
Shared language  
Shared priorities  
Shared reporting

Shared vision  
Shared language  
Shared priorities  
Shared reporting  
Shared funding  
Shared delivery  
Shared sustainability



# A GLOBAL ALLIANCE FOR BIODIVERSITY KNOWLEDGE

Proposal from GBIC2:

**To establish a lightweight global alliance to transform our understanding of biodiversity by connecting all efforts to observe, measure and model the living planet.**

Alliance to include:

- Global infrastructures
- National or regional projects and infrastructures
- Major institutions
- Biodiversity-related organizations
- Interested communities and individuals



NEWS | 20 MARCH 2018

## GBIF formalizes collaboration with biodiversity assessment platform

*Memorandum of Understanding with IPBES—the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services—signed at margin of plenary meeting in Medellín, Colombia*



Executive secretary of IPBES, Anne Larigauderie and deputy director of GBIF, Tim Hirsch at the signing ceremony in Medellín, Colombia. Photo courtesy of IPBES.

The vital role of open data mobilization in helping to fill gaps in our knowledge about biodiversity and nature's contribution to people is recognized in an agreement signed between GBIF and IPBES.

A [memorandum of understanding](#) (MoU) was signed on the margins of the [sixth plenary meeting of IPBES](#), being held in the Colombian city of Medellín. Delegates from more than 80 governments are putting the final touches to four regional assessments of biodiversity and ecosystem services in Africa

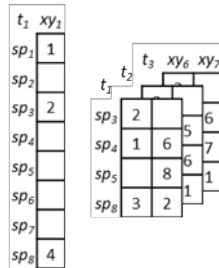


# GBIF & ESSENTIAL BIODIVERSITY VARIABLES

Field Research



EBV Data

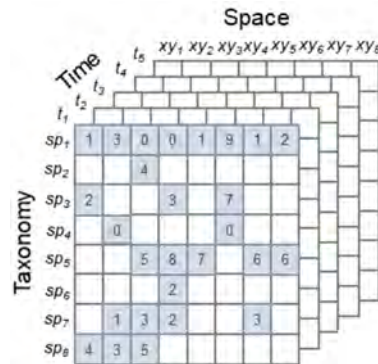


	$t_1$	$xy_1$	$xy_2$	$xy_3$	$xy_4$	$xy_5$	$xy_6$
$sp_1$	X	X		X	X		
$sp_2$		X	X	X	X	X	
$sp_3$				X	X		
$sp_4$					X	X	
$sp_5$	X		X				
$sp_6$		X		X	X		

Sampling Event Datasets



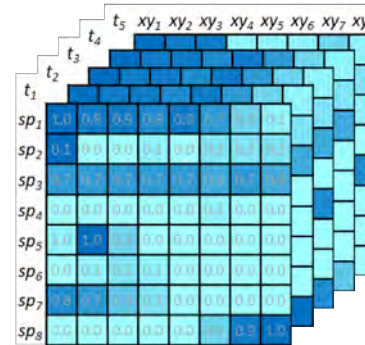
Aggregated EBV Data



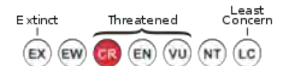
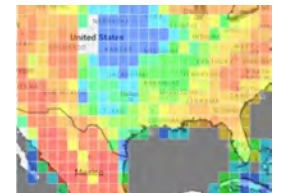
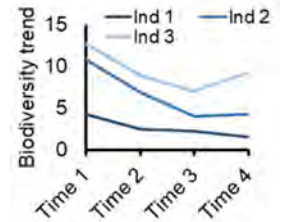
GBIF Data Downloads



Modeled EBV Data



Indicators





# SAMPLING EVENT DATA

SAMPLING EVENT | 27 OCTOBER 2014

## Event ID: INBO:VIS:Ev:00009221

In VIS - Reference freshwater monitoring in Flanders, Belgium (post 2013)

[MORE ABOUT SAMPLING EVENTS ON GBIF.ORG](#)

**OCCURRENCES PER SPECIES**

Species	Count	Progress
Perca fluviatilis Linnaeus, 1758	158	<div style="width: 100%;"></div>
Rutilus rutilus (Linnaeus, 1758)	105	<div style="width: 100%;"></div>
Scardinius erythrophthalmus (Linnaeus, 1758)	100	<div style="width: 100%;"></div>
Carassius gibelio (Bloch, 1782)	100	<div style="width: 100%;"></div>
Rhodeus amarus (Bloch, 1782)	70	<div style="width: 100%;"></div>
Gymnocephalus cernua (Linnaeus, 1758)	56	<div style="width: 100%;"></div>
Anguilla anguilla (Linnaeus, 1758)	42	<div style="width: 100%;"></div>
Blicca bjoerkna (Linnaeus, 1758)	17	<div style="width: 100%;"></div>
Gobio gobio (Linnaeus, 1758)	16	<div style="width: 100%;"></div>
Gasterosteus aculeatus Linnaeus, 1758	14	<div style="width: 100%;"></div>

[NEXT](#)

**SIBLING EVENTS: 227**

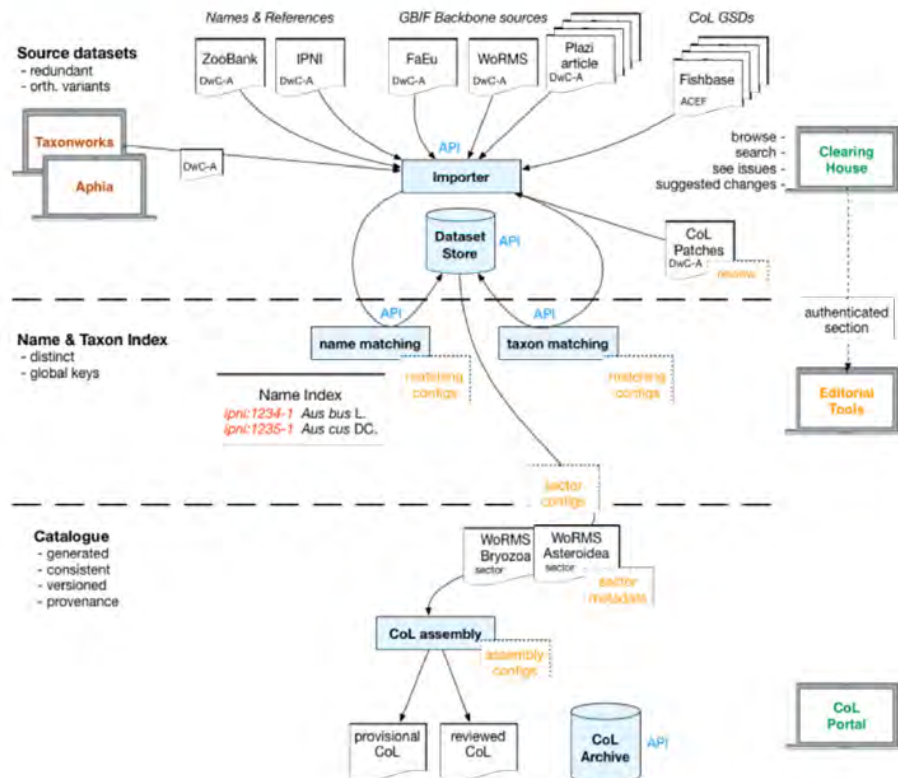
Event ID	Event date	Sampling protocol	Occurrence
<a href="#">INBO:VIS:Ev:00008519</a>	9 October 2013	paired fyke nets	565
<a href="#">INBO:VIS:Ev:00009164</a>	20 August 2014	electrofishing with 1 anode by wading	452
<a href="#">INBO:VIS:Ev:00008505</a>	13 September 2013	electrofishing with 2 anodes by boat	406
<a href="#">INBO:VIS:Ev:00008407</a>	22 July 2013	electrofishing with 2 anodes by wading	401
<a href="#">INBO:VIS:Ev:00008493</a>	24 September 2013	electrofishing with 2 anodes by wading	371
<a href="#">INBO:VIS:Ev:00009219</a>	28 October 2014	electrofishing with 2 anodes by boat	369
<a href="#">INBO:VIS:Ev:00008450</a>	1 October 2013	electrofishing with 2 anodes by boat	361
<a href="#">INBO:VIS:Ev:00008426</a>	5 March 2013	electrofishing with 2 anodes by boat	353
<a href="#">INBO:VIS:Ev:00008516</a>	28 August 2013	electrofishing with 2 anodes by wading	341
<a href="#">INBO:VIS:Ev:00008438</a>	23 September 2013	electrofishing with 2 anodes by wading	329

[NEXT](#)

- 201 Sampling Event datasets as of 11 October 2018
- Display of data at sampling-event level
- More enhancements to presentation and discovery planned

# CATALOGUE OF LIFE+

## Towards a clearinghouse for names and taxonomy

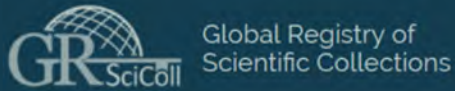


The specific objective is establishing a clearinghouse that covers scientific names across all life, allowing a reconciliation of nomenclatural and taxonomic data sources. It provides a single taxonomic view grounded in the consensus classification of the Catalogue of Life along with provisional taxonomic sources, shows differences between sources, and provides an avenue for feedback to content authorities and allowing a broader community to contribute.

The clearinghouse infrastructure both includes the necessary infrastructure to support the efficient functioning of the Catalogue of life, but also serves as the infrastructure to offer services on nomenclatural and taxonomic backbone to GBIF.

In the following set of slides the development roadmap of the IT infrastructure is further clarified.

# CATALOGUE OF COLLECTIONS



## The Map

Showing 6599 pins

Map Satellite

## GRSciColl server is down

GRSciColl is not currently accepting live edits or entries. If you would like to add data or edit your records, please send an inquiry to [scicoll@si.edu](mailto:scicoll@si.edu).

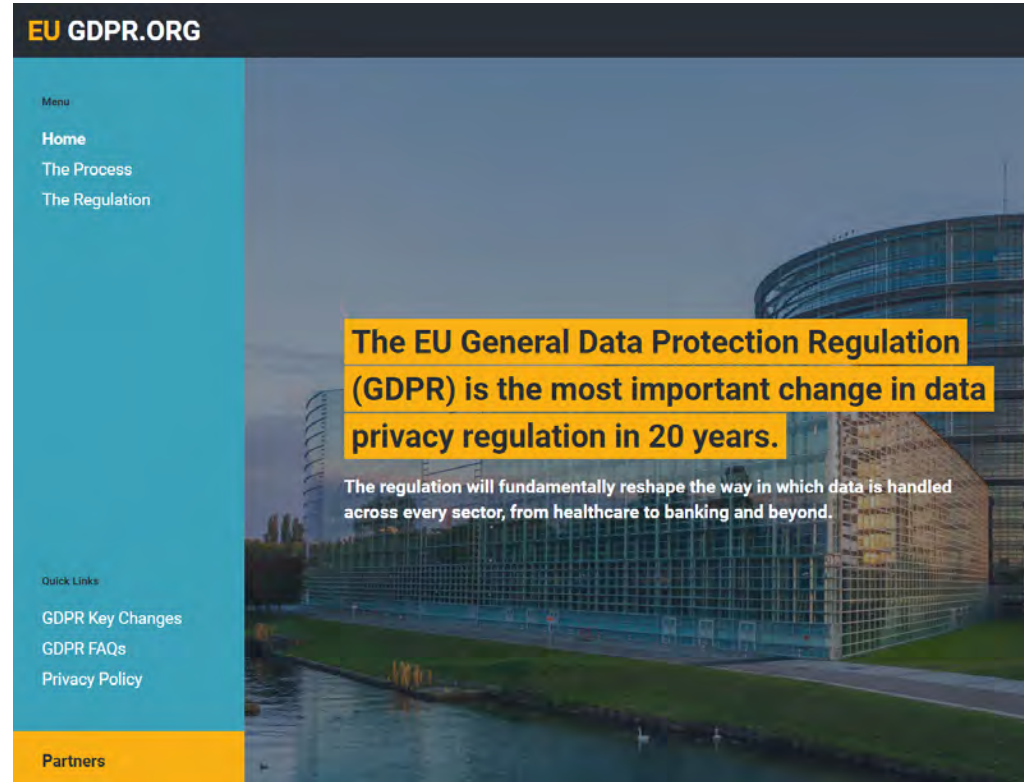
Information about the registries, including data structure, vocabulary, data entry guidelines, and FAQs [can be found here](#). The full GRSciColl database is still available for download as CSV files, which can be easily viewed in Microsoft Excel. These versions are from May 2018.

- Download all Institution records ([csv file](#))
- Download all Institutional/Project Collection records ([csv file](#))
- Download all Personal Collection records ([csv file](#))
- Download all Staff Member records ([csv file](#))

# EUROPEAN GDPR PRIVACY LEGISLATION

Legal recommendations from Bird&Bird:

- GBIF use of personal data justified on basis of **legitimate interest**
- Improve information on how GBIF processes data
- Revise data privacy statement
- Communicate data practices to data contributors, observers and collectors
- Encourage data publishers to explain data practices to their contributors



# GBIF.ORG TRANSLATION

User interface now translated:

- **3 UN languages:** English, **Spanish** and **French**
- Plus **Japanese & Portuguese**

Translation under way

- **Russian** (complete but under revision), **Simplified Chinese** and **Traditional Chinese**
- Arabic deferred until 2019 (right-to-left support)

GBIF | Global Biodiversity Information Facility  
無料でオープンな生物多様性データ

オカレンス 種情報 データセット 出版者 資料

検索

GBIFとは

Firebird (*Heliconia bihai*) by edward\_rooks via iNaturalist. Photo licensed under CC-BY-NC 4.0.

オカレンスレコード 1,019,613,581	データセット 40,689
提供機関 1,262	種情報 GBIF.orgのデータで網羅されている種数についての詳細

Adding sequence-based identifiers to backbone taxonomy reveals 'dark taxa' fungi  
2018年8月29日

Assessment of the global distribution of reptiles  
2018年9月11日

# THANK YOU TO TRANSLATORS

**Miguel Vega , Carmen Lujano, Katia Cezón & Cristina Villaverde**

GBIF Spain

**Anabela Plos**

GBIF Argentina | Museo Argentino de Ciencias Naturales

**William Ulate**

Missouri Botanical Garden

**Leonardo Buitrago & Dairo Escobar**

SiB Colombia

**Paula Zermoglio**

VertNet

**Tsuyoshi Hosoya & Toshie Mizunuma**

JBIF | National Museum of Nature and Science

**Kumiko Totsu**

National Institute for Environmental Studies

**Rui Figueira & Tai Messina**

GBIF Portugal

**Carole Sinou**

Canadensys

**Sophie Pamerlon**

GBIF France

**André Heughebaert & Nicolas Noé**

Belgian Biodiversity Platform

**Ivan Chadin**

Komi Scientific Centre, Ural Branch, Russian Academy of Sciences

**Tatiana Gavrilova**

Lomonosov Moscow State University

**Natalya Ivanova**

Botanical Garden, Ural Branch, RAS

**Max Shaskov**

Institute of Physicochemical and Biological Problems in Soil Science, RAS



**Guía para citar**

*Esta guía ofrece los ejemplos más comunes para citar utilizados por usuarios de GBIF.*



*Chicory (Cichorium intybus) by Donald Hobern. Photo licensed under CC BY 4.0.*

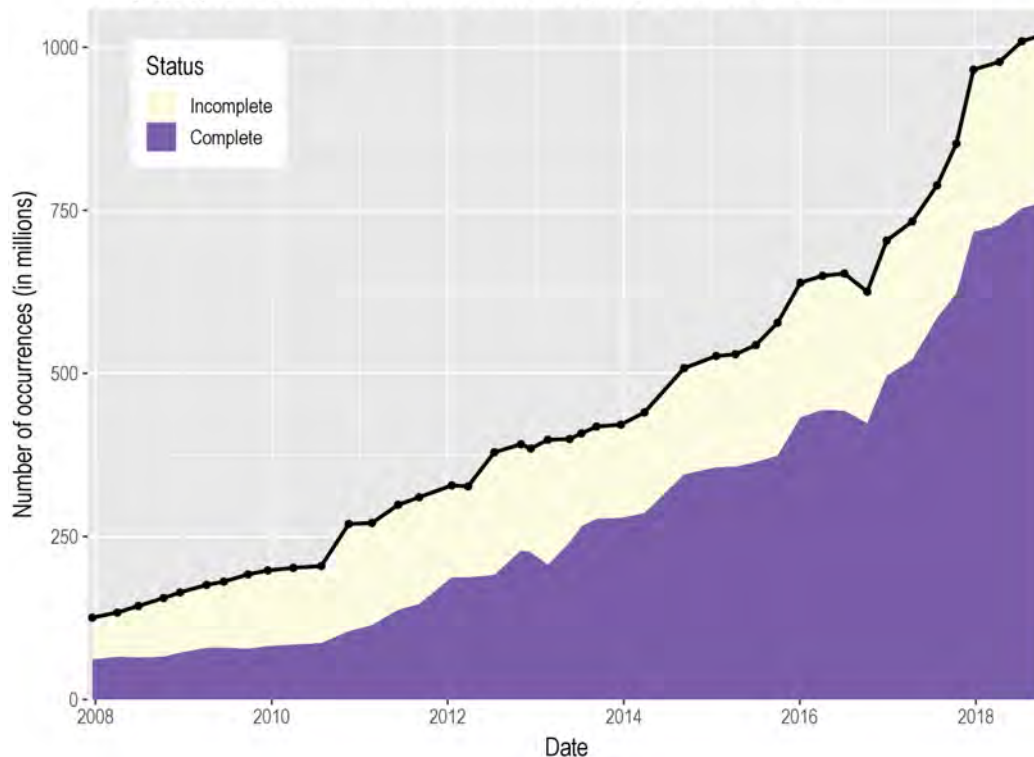
Los datos accesibles a través de la red de GBIF son gratuitos para todos - pero no están exentos de obligaciones. Según los términos del acuerdo de usuario de datos de, los usuarios que descargan juegos de datos individuales o buscan resultados y los utilizan en investigación o políticas acuerdan citarlos utilizando un DOI, u Objeto Identificador Digital. Las buenas prácticas para citar aseguran la transparencia y reproducibilidad científicas mediante la orientación a otros investigadores hacia las fuentes originales de información.

Las citas también premian a las instituciones e individuos proveedores de datos mediante la puesta en valor de los datos abiertos que comparten y demostrando su impacto ante posibles financiadores. Los juegos de datos publicados a través de GBIF son publicaciones electrónicas de datos con autoría y, por ello, deben ser tratados como productos de investigación de primera clase y citarse correctamente.

Los ejemplos de cita presentados más abajo siguen el formato de estilo de Harvard. Por favor, adaptalos al formato de estilo requerido por institución, proveedor o agencia pero ten en cuenta siempre de incluir cada elemento de contenido, especialmente el **enlace al DOI**, la URL y la

# ONE BILLION RECORDS

Complete species occurrence records accessible through GBIF over time

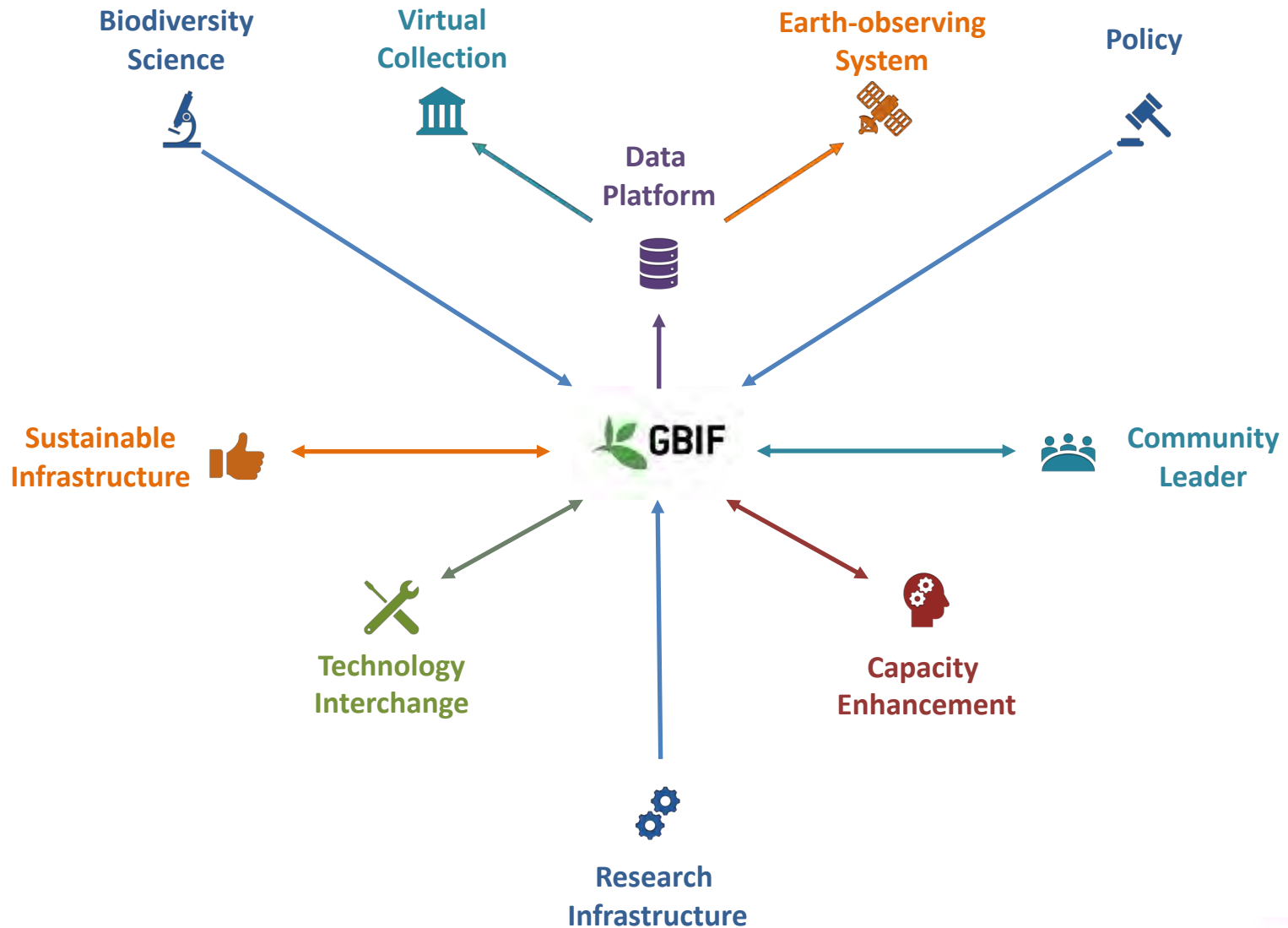


“Complete” = identified at least to species rank, valid coordinates, full date of occurrence and a given basis of record

Licence	%age
CC0	53%
CC BY	30%
CC BY-NC	17%

Basis of record	%age
Specimen	16%
Observation	81%
Machine observation	1%
Unknown	2%

# GBIF AT ONE BILLION







# Thank you

Donald Hobern  
GBIF Executive Secretary  
[dhobern@gbif.org](mailto:dhobern@gbif.org)