

Royal Belgian Institute of natural Sciences

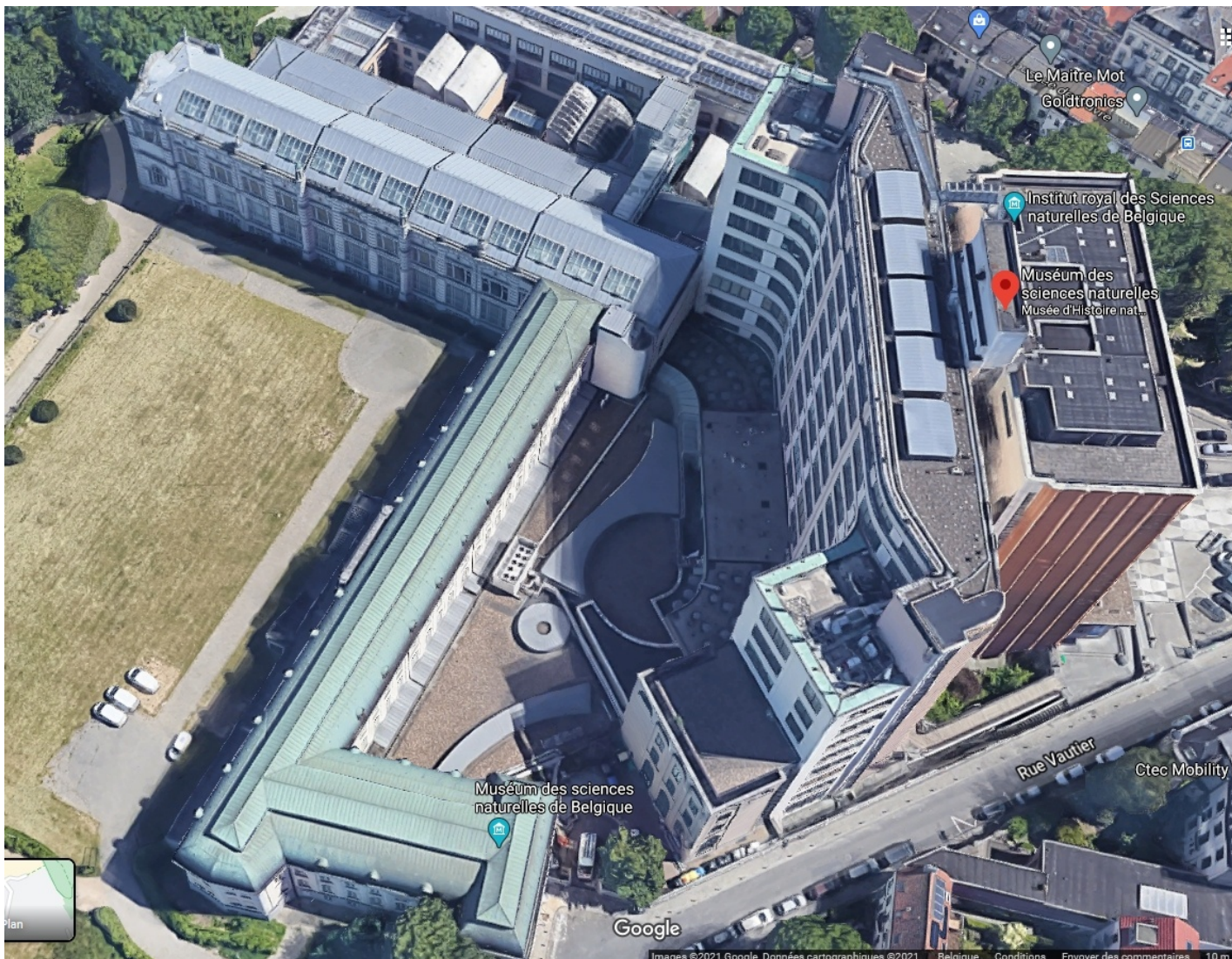
Visitors: 300.000 visitors / year

Staff: 450 FTE

Collections: 38.000.000 specimens



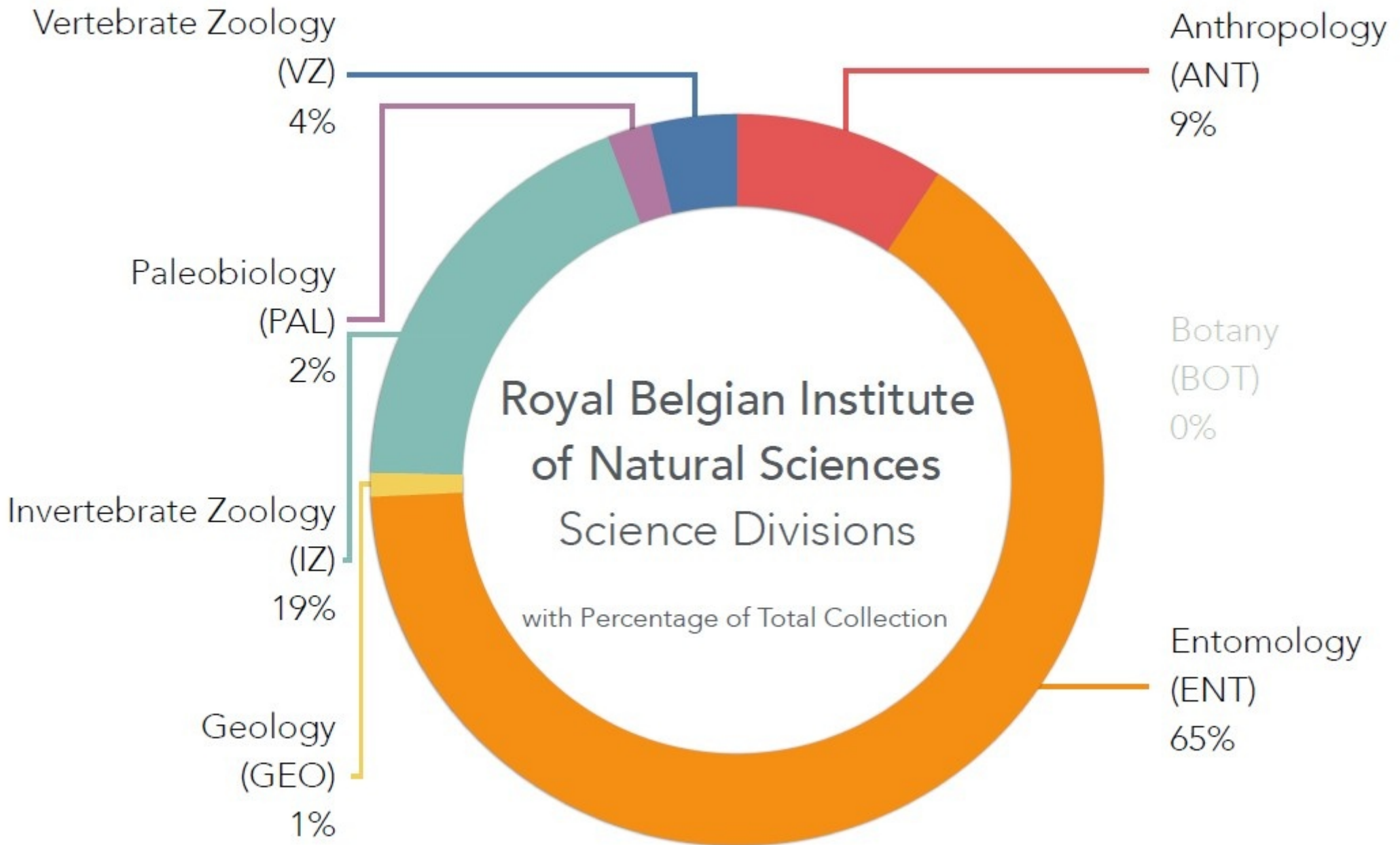








RBINS Collections



Scientific Service of Heritage



Entomology & Arachnides



Recent invertebrates



Geology



Paleontology



Recent Vertebrates

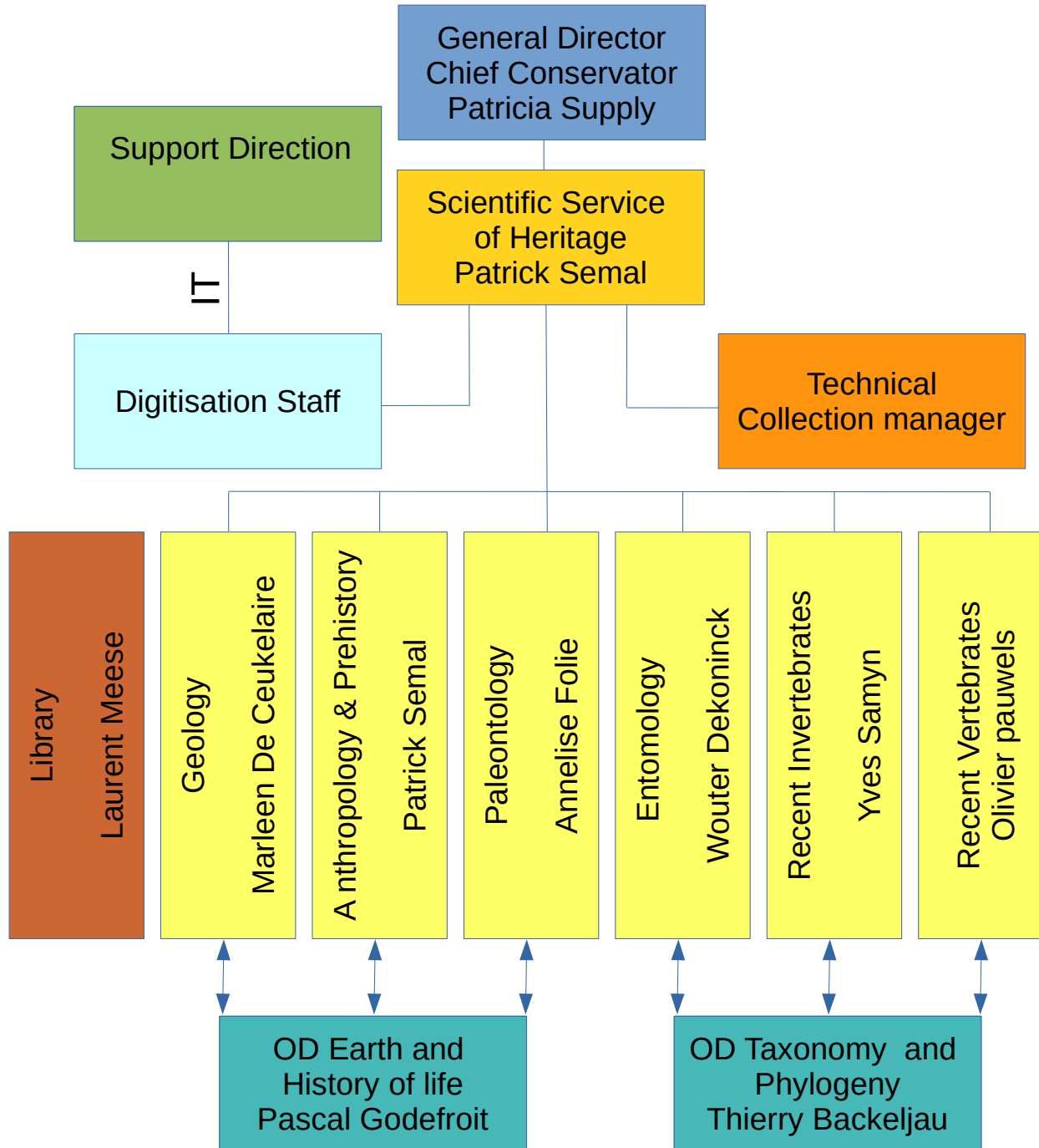


Anthropology & Prehistory

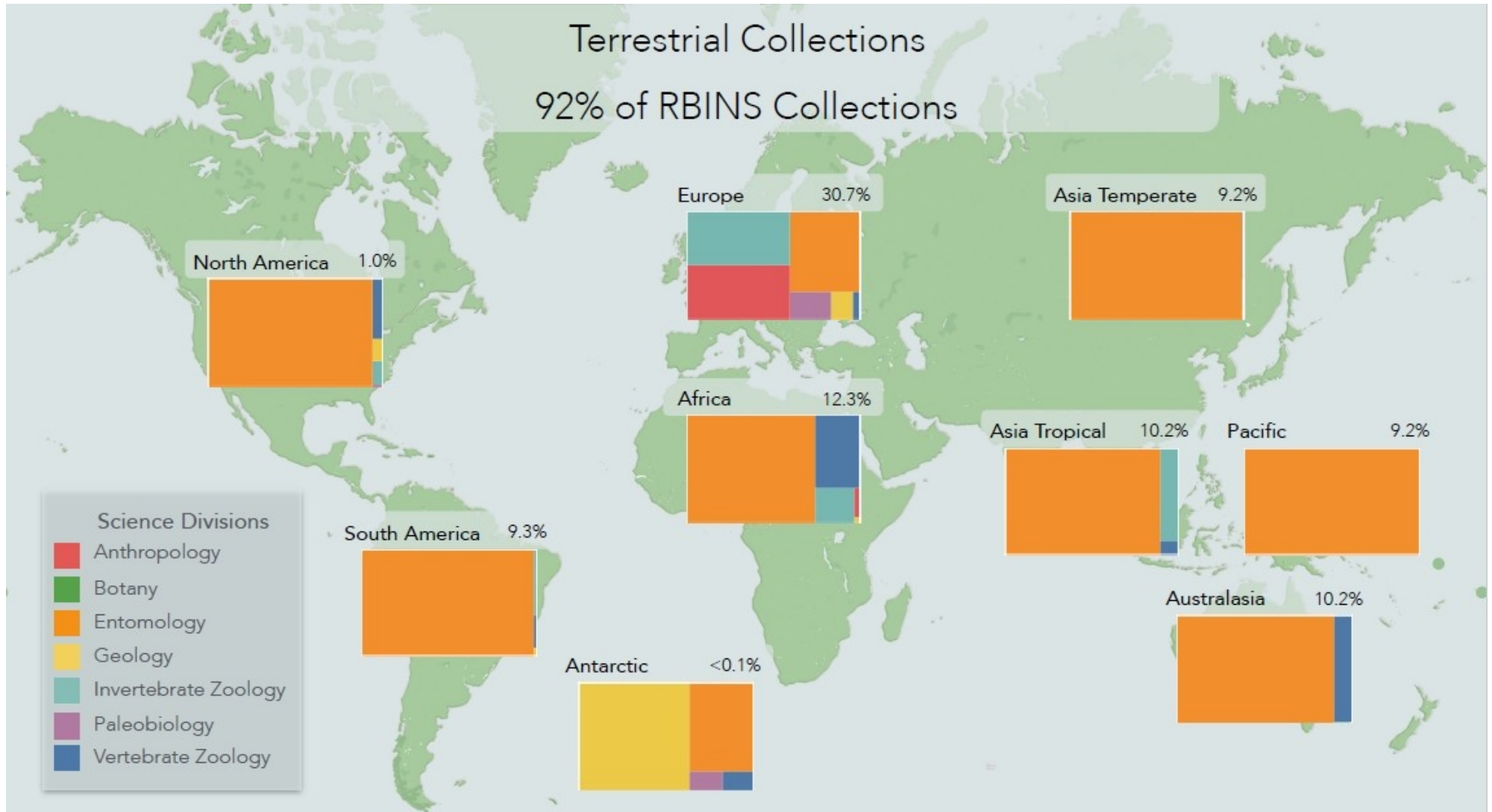
≈ 300 000 books
≈ 450 000 journal volumes



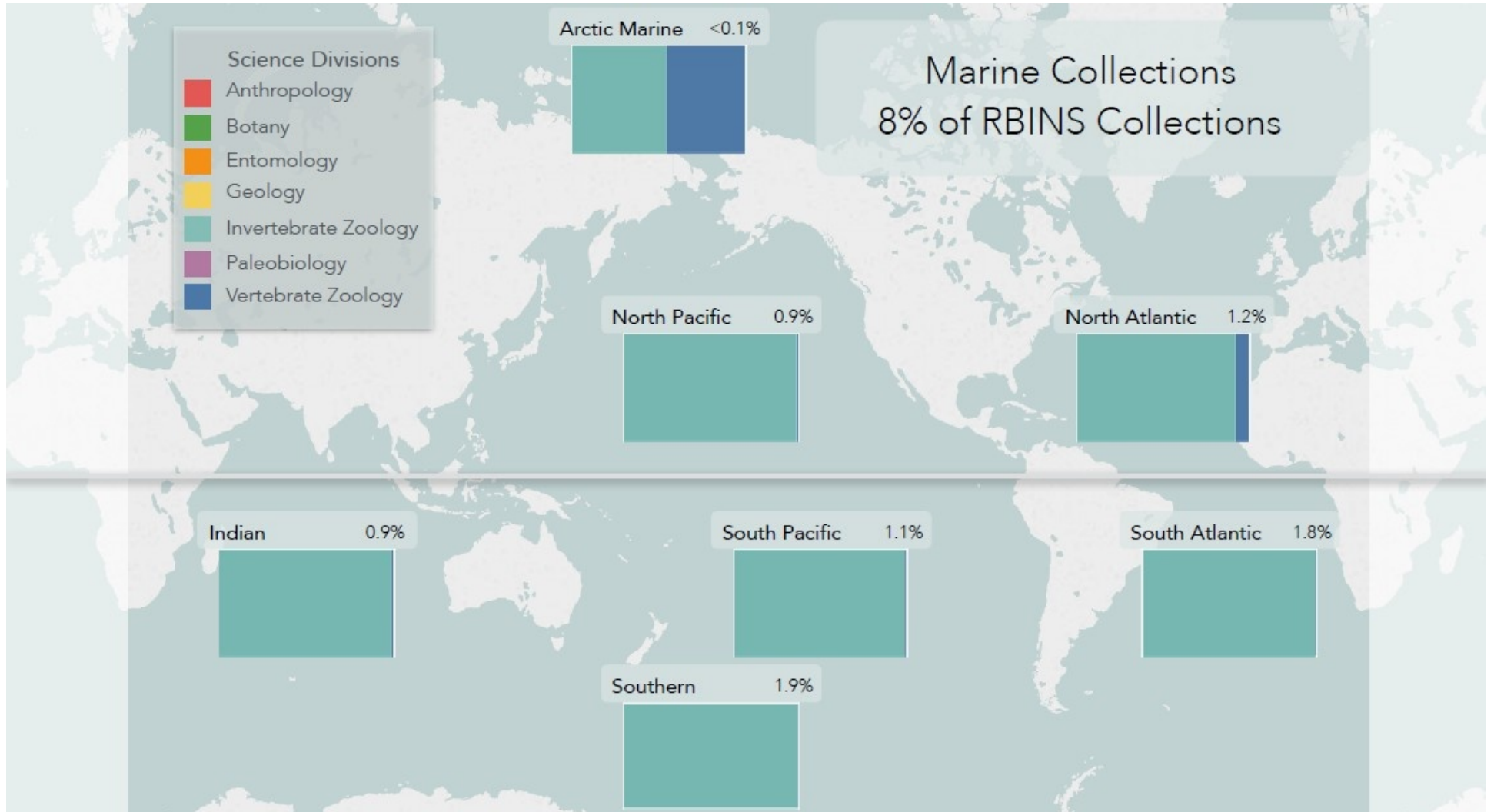
≈ 38 000 000 specimens
≈ 200 000 type specimens and illustrated specimens

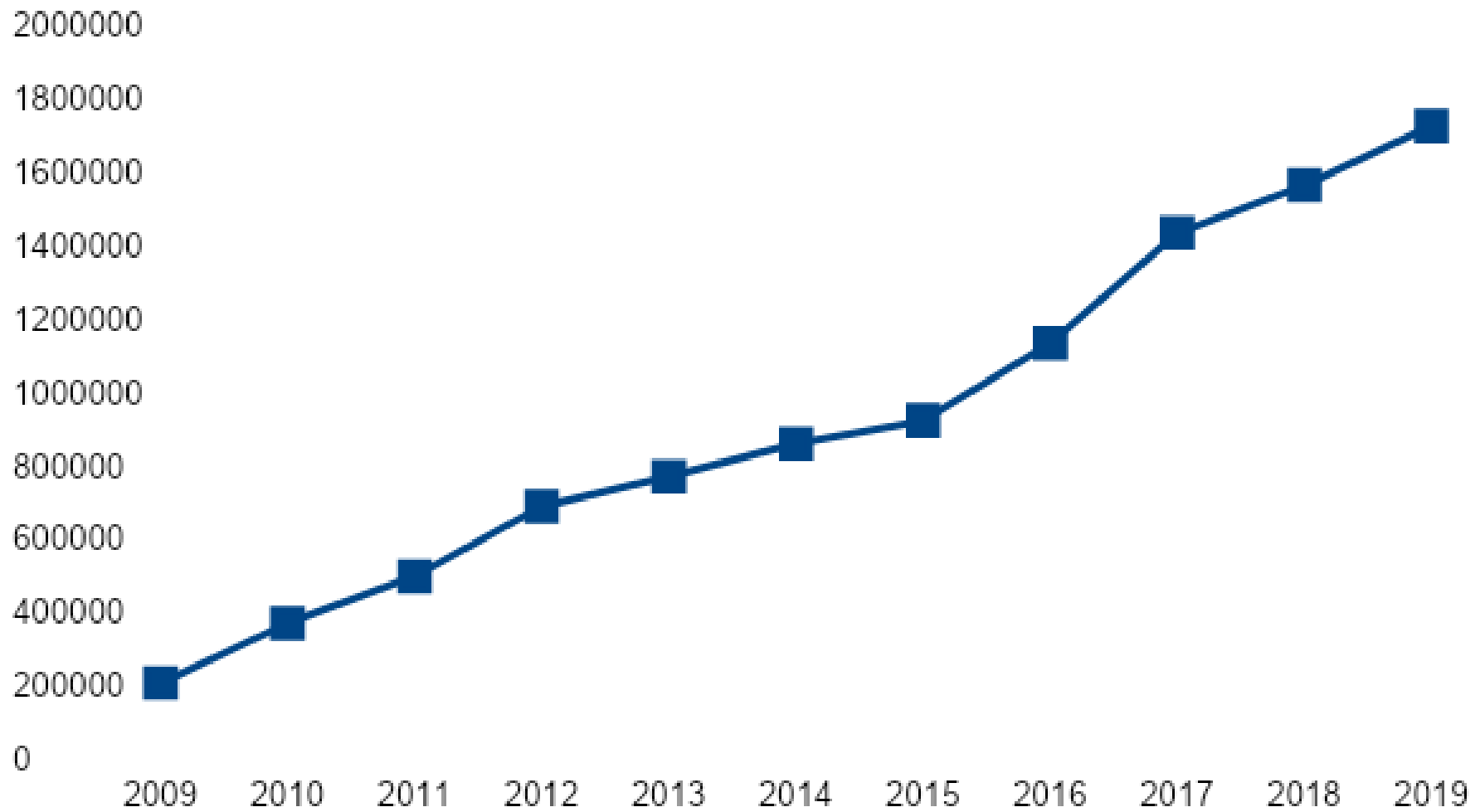


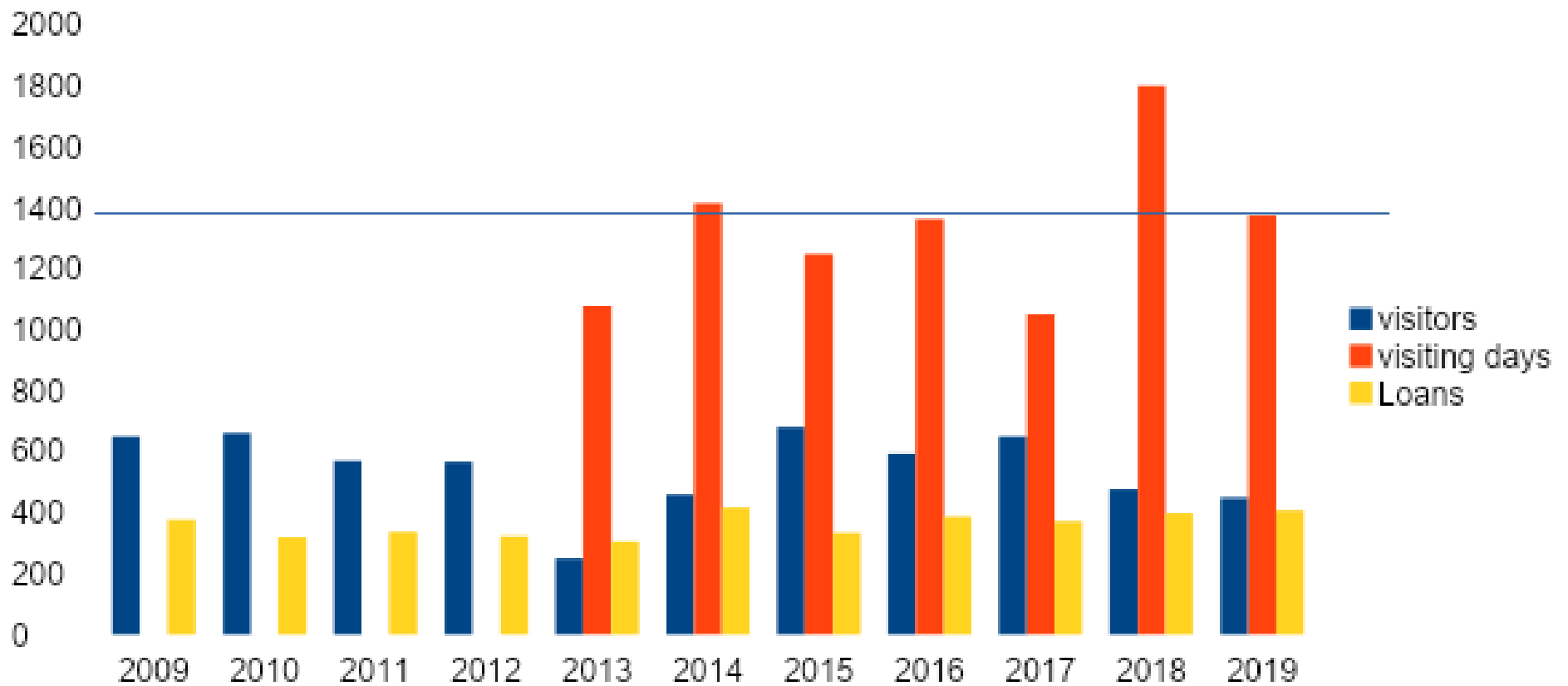
RBINS Collections



RBINS Collections







STRENGTHENING PRIORITY FSI
COMPONENTS
INTO KEY ESFRI RESEARCH
INFRASTRUCTURESESFRI
one shot upgrade 2018
Hearing process
8 November 2018, Brussels



Distributed System of Scientific Collections



[HOME](#) [DISSCO](#) [NETWORK](#) [NEWS](#) [PARTICIPATE](#) [ABOUT US](#)

Distributed System of Scientific Collections

Providing hard evidence of our planet's
natural diversity

[▶ Watch our video](#)



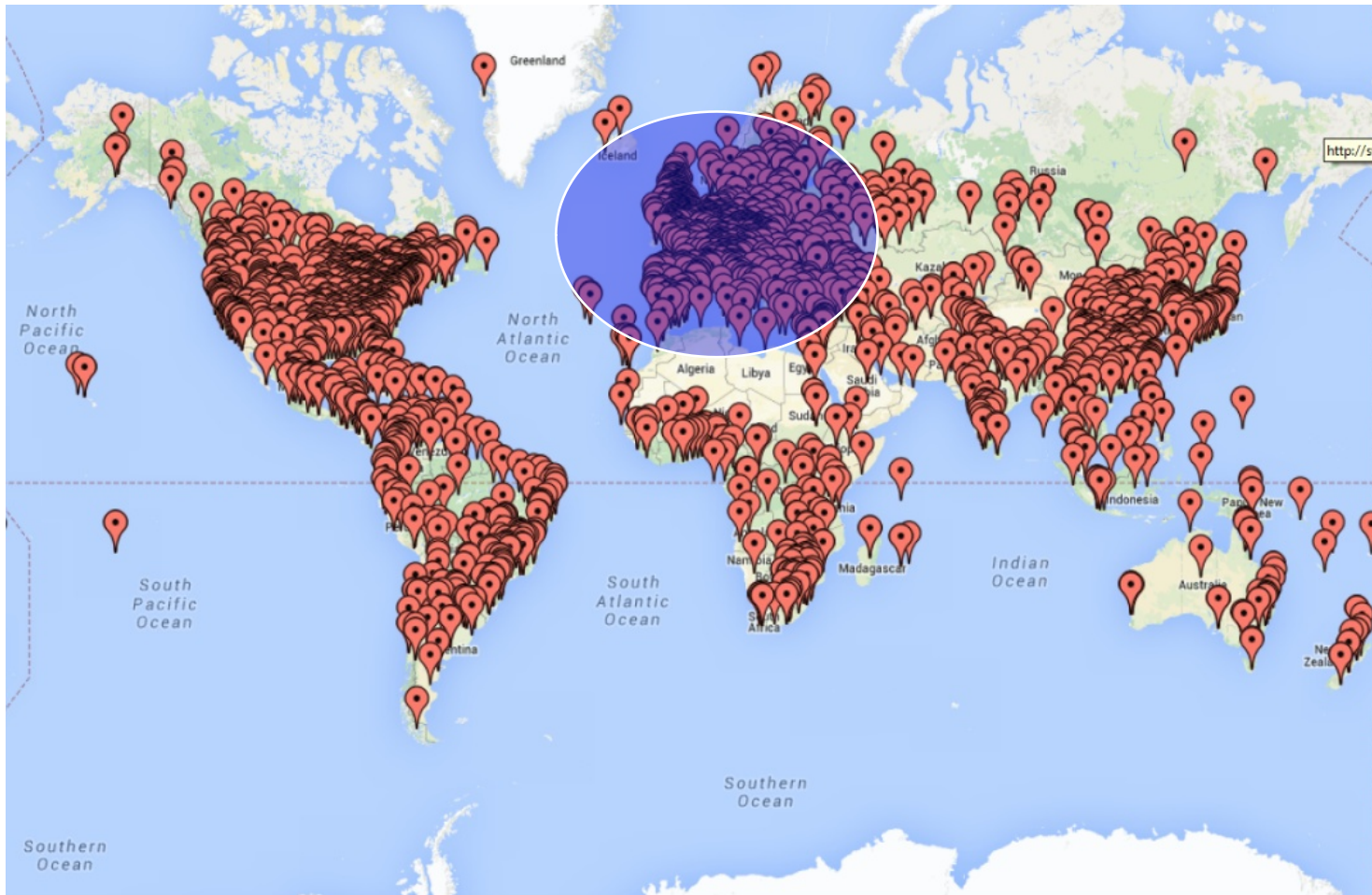
What is DiSSCO ?

DiSSCO is a new pan-European Research Infrastructure initiative with a vision to position **European natural science collections** at the centre of data-driven scientific excellence and innovation in environmental research, climate change, food security, one health and the bioeconomy.



One European Collection

55% of the world's assets with rich historical and global distribution



1.5 billion
specimens

80%
of known species

5.000
Scientific FTEs pa

25.000
scientific visitors pa

10 million
public visitors

Access modes

Integrated RI model

Wide access

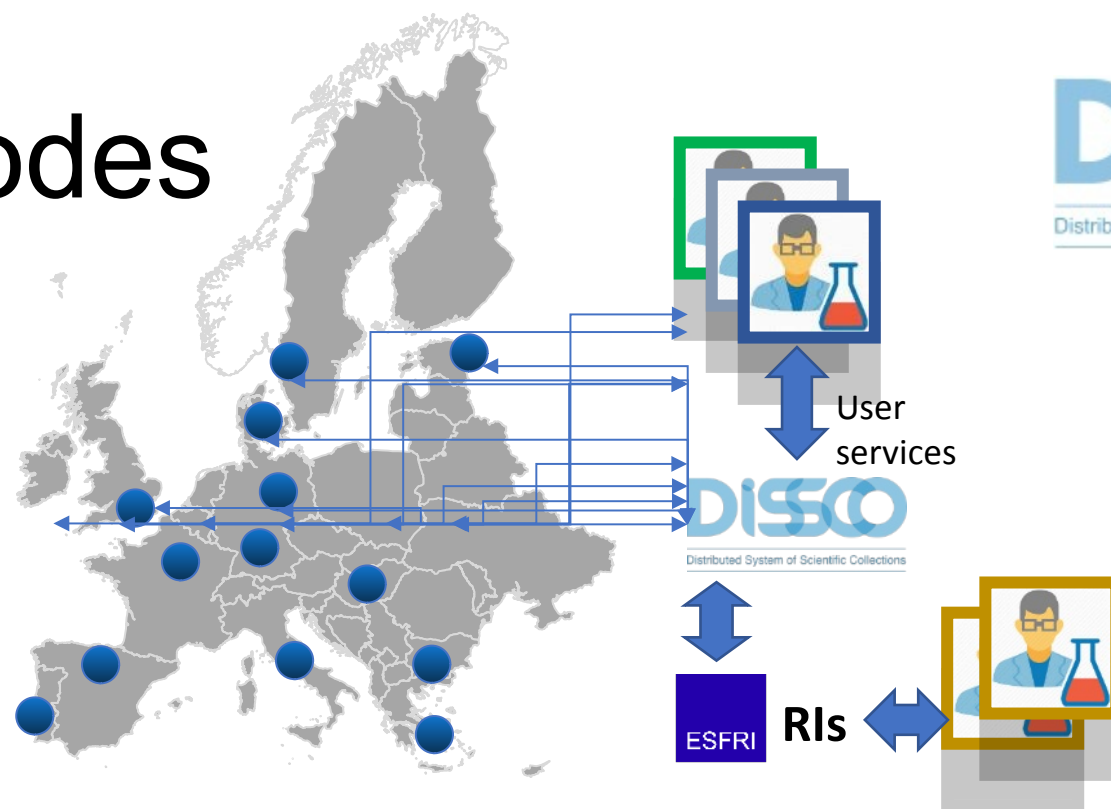
Lower costs

Faster

New insights

Optimised

FAIR data



Access modes

Physical access

- **User visits** to collections and instruments;
- **User access to genetic samples** (tissue and DNA collections);
- **Loans**, sending specimens to the user for a certain time of use and under certain conditions.

Remote and virtual access

- **DiSSCo data portal**, containing geographical, morphological, genetic and chemical data, images, movies, sounds, links to other data sources;
- **Access to on-line registries and visualized collections**, allowing users to pre-study the collection parts of their interest;
- **On-demand digitisation**, including analysis of specimens.

One Belgian Collection

COLLECTIONS



RBINS 38.000.000

Specimens

Types Illustrated
200.000



RMCA 10.000.000

Specimens

Types Illustrated
100.000

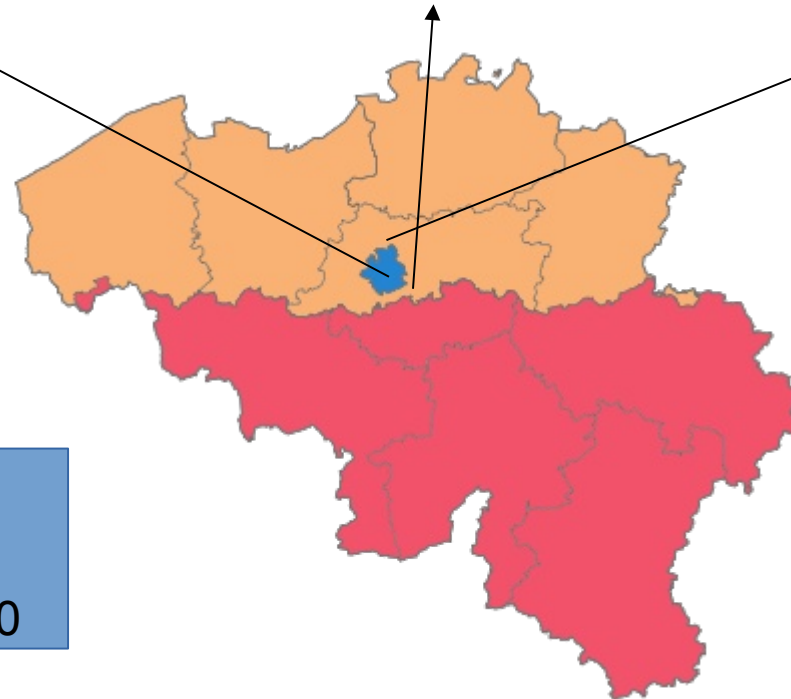
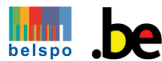


Botanic Garden Meise

APM 4.000.000

Specimens

Types illustrated

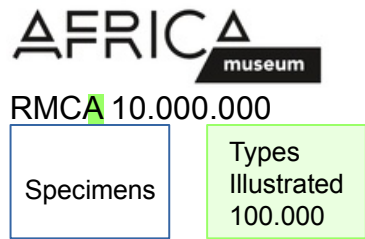
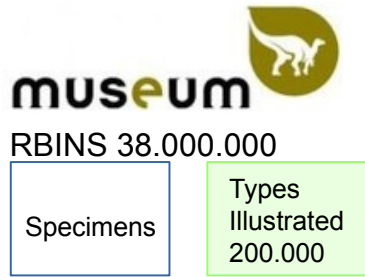


> 52.000.000 specimens

- + Universities
- + Local Museums
- + Privates

NHM London 80.000.000
MNHN Paris 68.000.000
Naturalis Leiden 40.000.000

Action Plan 2019-2024



The action focuses on the digitization of the “**type and illustrated**” specimens, specimens that serve as reference worldwide for the description and the identification of species. It is indeed the most precious part of any NH collection.

Priority

Digitization on demand

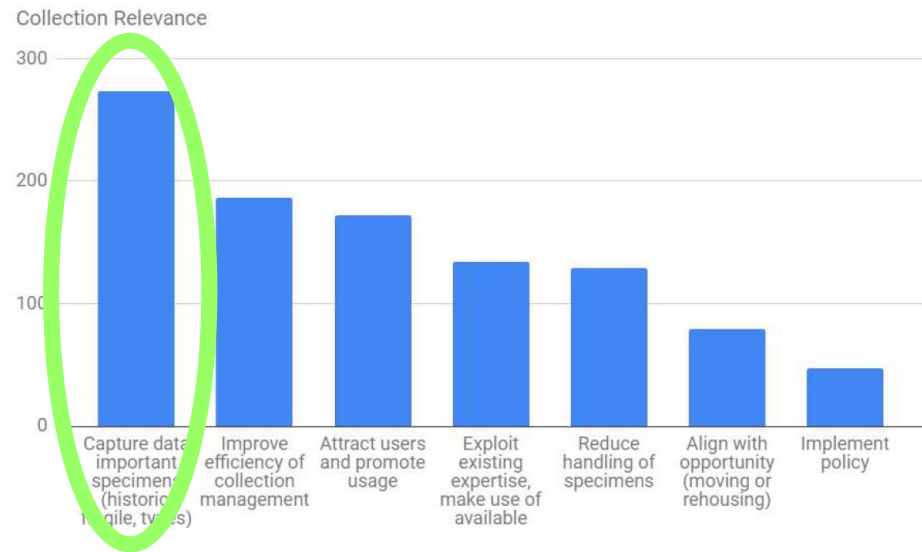




Fig. 10. Collection-relevant criteria (Q12): of the ICEDIG D2.1. Total of scores = 1020.

Digitization actions

museum 


RBINS 38.000.000

Specimens	Types Illustrated 200.000
-----------	------------------------------

AFRICA  museum


RMCA 10.000.000

Specimens	Types Illustrated 100.000
-----------	------------------------------


Botanic Garden Meise


APM Meise 4.000.000

Specimens	Types illustrated
-----------	-------------------


DATABASING 

SQL Database DaRWIN
Object Database Plone


DIGIT-3/4

IMAGING 


2D Scan
2D Photography
2D+ Photostacking
3D Photogrammetry


DIGIT-3/4 

Long Term Preservation


HR IMAGING 

3D Surface scanner
3D Microtomography
2D/3D Multispectral


DiSSCo-Fed 

DATABASING 

Herbarium
Living collections
Seeds

IMAGING 

2D Scan
2D Photography

DOE + DOE 2 

Long Term Preservation

Long Term Preservation



NATURALHERITAGE



DISSCO
Distributed System of Scientific Collections

Stakeholders



2D+ and 3D Digitization platform

Laser Scanning



Structured Light



Photostacking



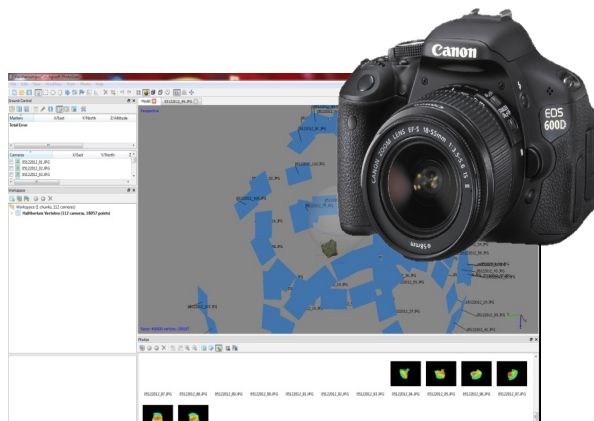
Infrared Sensor
Kinect based



μ CT



Photogrammetry



multispectral



Inventory Box CR2

by mars — last modified Apr 04, 2020 03:07 PM — History Copyright: RBINS / DIGIT-4 Belspo Licence: CC BY NC ND

BE-RBINS-ENT Collection Rophalocera Ronald Brabant

[Switch to multiple tables view](#)



Download as CSV

Search:

Stable CETAF Identifier	Cabinet	Specimen ID	Box UID	Taxon	Sex	Stage	Specimen Number	Country	Place	Date of collect	Collector	Determination	Type	Other Labels	Latin Date
https://darwin.naturalsciences.be/darwin/search/view/uuid/820eda4e-45fc-407d-a81d-0cc96dad32bb	CR2	619881	Nymphalidae Rafinesque, 1815	Tithorea tarricina pinthias Godman & Salvin, 1879	male	adult	1	Costa Rica	Ciudad Colón;Finca Hamadryas			Brabant Ronald (Dhr.)	specimen		
https://darwin.naturalsciences.be/darwin/search/view/uuid/27cc605d-23ef-4a59-9fad-a103b52ed95f	CR2	619882	Nymphalidae Rafinesque, 1815	Tithorea tarricina pinthias Godman & Salvin, 1879	female	adult	1	Costa Rica	Finca Hamadryas;Ciudad Colón			Brabant Ronald (Dhr.)	specimen		

DIGIT-3 & 4



SSH: Digitization Types and Illustrated specimens



EUROPEAN JOURNAL OF TAXONOMY

An Open Access journal for descriptive taxonomy of living and fossil eukaryotes



ISSN 2118-9773

[HOME](#) [ABOUT](#) [LOGIN](#) [SEARCH](#) [CURRENT ISSUE](#) [ALL ISSUES](#) [ANNOUNCEMENTS](#) [SUBMISSION](#) [STATISTICS](#)

Home > Archives > **No 623 (2020)**

No 623 (2020)

Handbook of best practice and standards for 2D+ and 3D imaging of natural history collections

Jonathan BRECKO & Aurore MATHYS

Section: *Collection management*; pp. 1–115, 101 figures, 7 tables, 163 references; <https://doi.org/10.5852/ejt.2020.623>

accepted: 16 July 2019; published: 6 April 2020

Table of Contents

Collection management

[Handbook of best practice and standards for 2D+ and 3D imaging of natural history collections](#)

Jonathan Brecko, Aurore Mathys

Targets: citizens and/or professional networks



Royal Belgian Institute of Natural Sciences



DISCO

Distributed System of Scientific Collections

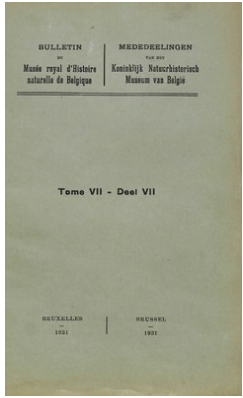


GLOBAL
BIODIVERSITY
INFORMATION
FACILITY



Royal Belgian Institute of Natural Sciences





NATURALHERITAGE



Welcome to the NaturalHeritage Search portal

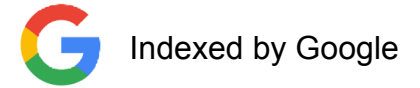
The Belgian Natural History collections are one of the most important series which describe the past and present biodiversity and the geodiversity of our natural environment. This portal searches digitized information and data about collections, specimens, archives and datasets hosted by Belgian institutions related to natural history.



[Simple](#)

[Advanced](#)

[Geography](#)



Log in

Search Site Search

only in current section



Home

Bibliography Search

You are here: [Home](#) / [Search](#)

[Simple search](#)

[Advanced search](#)

[Geographic search](#)

Simple Search

Free text:

Search Level 1:
Free text

Free text:

Institution:

Collection:

What:

And:

[details](#)

And:

[details](#)

Details for "who"

author:

And:

collector:

And:

creator:

And:

donator:

And:

Where:

And:

[details](#)

When (begin date):

[Search](#)

[Clear](#)

Search Level 2:
What
Who
Where
When

Who:

Search Level 3:
Dublin/Darwin Core

Geographic Search

Hide map

To navigation mode



Simple Search

Facets:

- institution
 - Meise Botanic Garden: 395101
 - RMCA: 36002
 - RBINS: 210
- Collection
 - BE-Meise Botanic Garden-Herbarium Collection: 395101
 - BE-RMCA-Vertebrates: 36002
 - BE-RBINS-Publications: 210
- Sub-collection
 - BE-RMCA-Ichthyology: 35617
 - BE-RMCA-Mammalogy: 385
- Object type
 - Botanical specimen: 395101
 - Herbarium Sheet: 388818
 - Zoological specimen: 36002
 - Silica gel: 2001
 - Liquid Preserved: 1544
 - drawing in b&w: 748
 - Photograph:color: 530
 - Unknown: 525
 - Photograph:b&w: 409
 - Article Reference: 210
- Who
 - Vanderyst H.: 28798
 - Louis J.: 23426
 - Lebrun J.: 12876
 - de Witte G.F.: 10299
 - Bequaert J.: 9507
 - Quarré P.: 8694
 - Symoens J.: 7923
 - Schmitz A.: 6460
 - Lisowski S.: 6238
 - Malaisse F.: 6056
- Country
 - République démocratique du Congo: 389887
 - Congo Belge: 23294
 - Congo (R.D.): 4667
 - Congo: 4406
 - Congo (Brazzaville): 3888
 - Belgian Congo: 1293
 - Congo (Léopoldville): 981
 - Etat Indép. du Congo: 859
 - Congo (Kinshasa): 202
 - R.D.Congo: 189

431313 result(s)



Simple Search

page 1 of 43132

Results:

- 1
 - Meise Botanic Garden
 - BE-Meise Botanic Garden-Herbarium Collection
 -
 - Herbarium Sheet
 - Botanical specimen
 - specimen number : BR0000008901965
 - biological scientific name : *Psorospermum febrifugum* Spach
 - biological type status : type
 - <http://www.botanicalcollections.be/specimen/BR0000008901965>



The new CETAF Registry of collections and integration of the current CETAF passport.

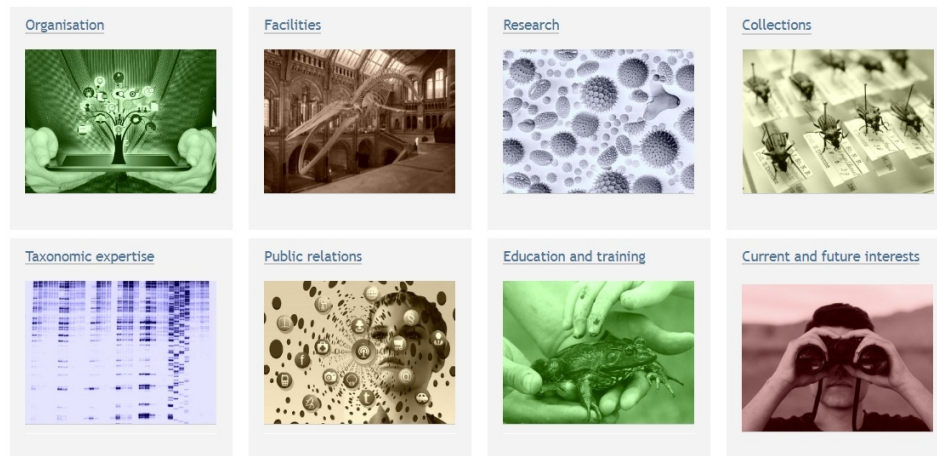
A collection information hub for the European Natural Science Community

You are here: Home

Welcome

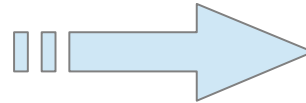
CETAF's 33 members represent 59 institutions that hold over half the world's biological collections and work in over 100 collaborative projects. Our Members explore and document the natural world focusing on studying the species and their evolutionary history. In doing so, they contribute in the advancement of research in a multitude of disciplines.

Discover the profile of CETAF's members or navigate by topic.

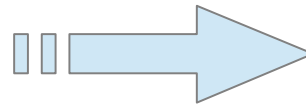


Authors: Patrick Semal, Laura Tilley, Franck Theeten, Ana Casino

CETAF Passport & CETAF Collection Registry Integration



Distributed System of Scientific Collections

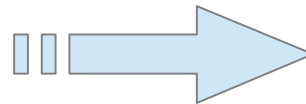


ONE WORLD
COLLECTION

Collection Registry for internal
CETAF related projects

Collection Registry for non
CETAF but DiSSCo members

DATA authority for external
NH collection related infrastructures





Navigation by Country and Institution

A-Z


All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z



Explore Passport by

-  [Country](#)
-  [Institution](#)

Collections Registry

-  [Collection type](#)
















A-Z

All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z





Navigation page of CETAF Member institutions


All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

 Bavarian Natural History Collections	 Berlin Natural History Museum	 Botanic Garden and Botanical Museum Berlin	 Centre of Natural History Hamburg	 Comenius University - Faculty of Natural Sciences - Zoology	 Comenius University - Faculty of Natural Sciences - Botany	 Conservatory and Botanic Gardens of the	 Department of Biological and Environmental	 Estonian Museum of Natural History
 Estonian University of Life Sciences	 Charles University in Prague	 Finnish Museum of Natural History	 German Oceanographic Museum	 Göteborg Natural History Museum	 Gothenburg Botanical Garden	 Hungarian Natural History Museum	 Institute of Biodiversity and Ecosystem	 Institute of Botany, The Czech Academy of Sciences
 Institute of Geology, Tallin University of Technology	 London Natural History Museum	 Meise Botanic Garden	 Mürztzeum - Nature Discovery Center	 Museum And Institute of Zoology - Polish	 Museum of Natural History of the City of	 Museum of Nature and Environment Lübeck	 National Museum	 National Museum of Natural History, Paris
 National Museum of Natural History	 National Museum of Natural Sciences	 National Museums Scotland	 Naturhistorisk museum - University of Oslo	 Natural History Museum Namu Bielefeld	 Natural History Museum of Crete	 Natural History Museum of Denmark	 Natural History Museum of Genova - Giacomo	 Natural History Museum, University of Florence
 Natural History Museum, Vienna	 Naturalis Biodiversity Center	 Pavol Jozef Šafárik University in Košice - Faculty of Science	 Royal Belgian Institute of Natural Sciences	 Royal Botanic Garden of Edinburgh	 Royal Botanic Garden of Madrid	 Royal Botanic Gardens, Kew	 Royal Museum of Central Africa	 Senckenberg Society for Nature Research
 Slovak Academy of Sciences - Institute of Botany	 Slovak Academy of Sciences - Institute of Zoology	 Slovak National Museum - Museum of National	 State Museum of Nature and Man Oldenburg	 State Natural History Museum Braunschweig	 Stuttgart State Museum of Natural History	 Swedish Museum of Natural History	 The Hebrew University of Jerusalem, The National Natural History Collections	 The Steinhardt Museum of Natural History, Israel National Center for Biodiversity Studies
 Uberssee-Museum Bremen	 University of Tartu, Natural History Museum and Botanical Garden	 Upper Austrian State Museum - Biology	 Zoological Collection of the University of Rostock	 Zoological Institute and Museum Greifswald	 Zoologisches Museum Kiel	 Zoological Research Museum Alexander Koenig - Leibniz Institute for Animal Biodiversity		

Explore Passport by

-  [Country](#)
-  [Institution](#)

Collections Registry

-  [Collection type](#)

Collections

by [Patrick Semal Admin](#) — last modified Aug 31, 2020 11:20 AM — [History](#)

11 Collections



 BE-RBINS ANT Anthropology	 BE-RBINS BOT Botany	 BE-RBINS IZ Zoology Invertebrates	 BE-RBINS VZ Zoology Vertebrates	 BE-RBINS PAL Palaeontology	 BE-RBINS GEO Geology	 BE-RBINS EXT Extraterrestrial	
 BE-RBINS MIC Microorganisms	 BE-RBINS MOL DNA / RNA / Tissue	 BE-RBINS-HER Heritage	 BE-RBINS DAT Data				<h1>+ 69 sub-collections</h1>

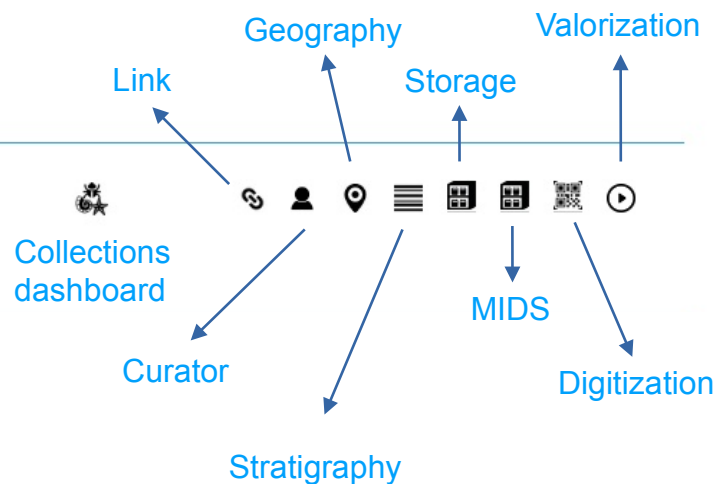
BE-RBINS VZ

by [Patrick Semal Admin](#) — last modified Aug 31, 2020 11:21 AM — [History](#)

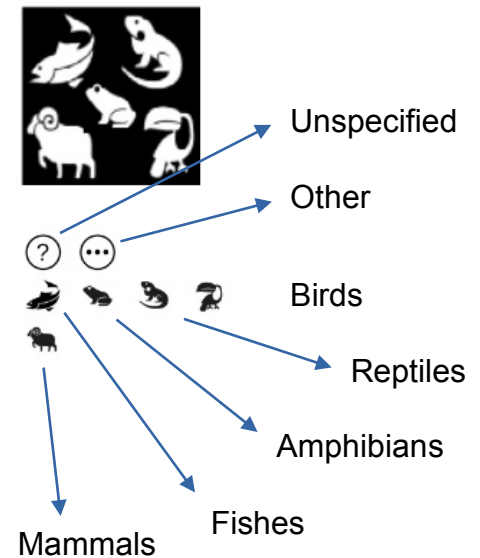
Zoology Vertebrates

[Edit](#) [Export](#)

9 information units
/ 760 fields



Vertebrates



Collection descriptors

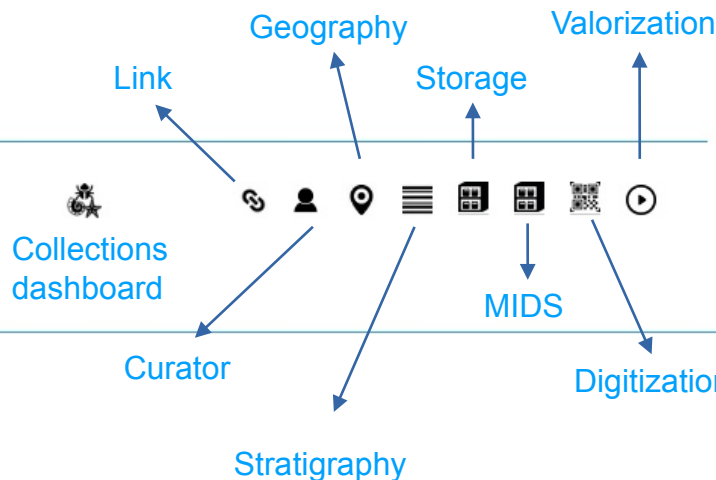
You are here: [Home](#) / [CETAF Members](#) / [Countries](#) / [Belgium](#) / [Royal Belgian Institute of Natural Sciences](#) / [BE-RBINS Passport Collections](#) / [Collections](#) / [BE-RBINS VZ](#) / [BE-RBINS VZ-AMP](#)

BE-RBINS VZ-AMP

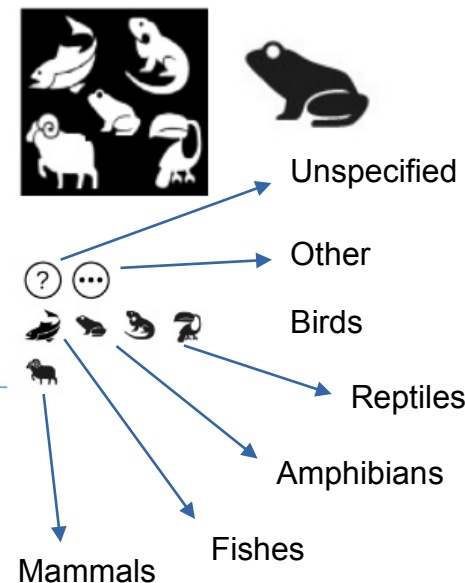
← Unique acronym

by [Patrick Semal Admin](#) — last modified Aug 31, 2020 11:21 AM — [History](#)

Amphibians



Amphibians



Identification

Collection GrSciColl UID/PID

This is the code used by the European Collections Object Index

Identifiers in other systems

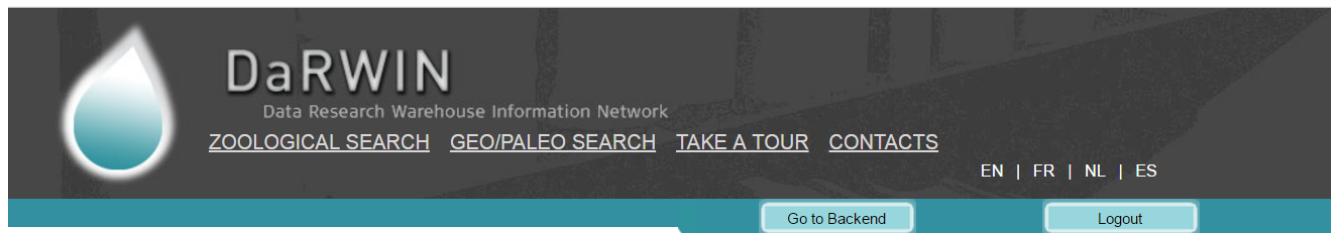
Abstract

Rich text description of this collection like a scientific paper abstract



The amphibian collection contains more than 135,000 specimens. We have type material for 109 species. The majority of the specimens were collected by herpetologist Gaston François de Witte on his missions to the national parks in Congo (between 1933 and 1958). On many more recent missions over the years herpetologist Philippe Kok has amassed a beautiful and valuable collection of amphibians, containing species from Guyana (South America).

RBINS & RMCA: DarWIN (internal dev.)



Welcome to the RBINS-collection database

The Royal Belgian Institute of Natural Sciences houses a precious collection of zoological, anthropological, paleontological, mineralogical and geological materials and data. The renowned Iguanodons from Bernissart, ambassadors of the Belgian science institute in Brussels, represent a natural history collection currently estimated to hold over 37 million specimens.

The roots of the present day collection reach far back in history. It evolved from the Natural History collection of Karel of Lotharingen, governor of The Netherlands (1712-1780) and was part of didactic materials owned by the Central School of the City of Brussels. After the independence of Belgium, the City of Brussels donated the collection to the Belgian Government and became part of the autonomous "Royal Natural History Museum" in 1846, known as the "Royal Belgian Institute of Natural Sciences" since 1948. Fieldwork by researchers and collaborators, in Belgium and abroad, donations and purchases have been expanding the assets ever since.

The darwin website (darwin.naturalsciences.be) is the main gate to glimpse the extent and diversity of the collections. Today, the darwin database manages information on about 2.637.600 specimens (540.000 records) stored in the institute's depositories. This number rises on a daily basis thanks to the continued efforts of patrimonium directorate, the curators and their adjuncts that are responsible for maintaining the stored specimens and information. Our online database provides information about the collections of the Vertebrates, Invertebrates, Entomology, Paleontology, Geology and Mineralogy.

Information on the Anthropological collection is maintained on a parallel system: mars (Multimedia Archaeological Research System). This data can be consulted following: www.naturalsciences.be/mars. The Department of Geology and the Department of Marine Ecosystems provide information on different systems. More information on these departments can be found on www.naturalsciences.be/en/science/do/25/scientific-research/research-programmes/94 And odnature.naturalsciences.be/home/

The corner stone of the darwin database is the specimen and the information about its origin and its status. Although the status of the specimens follow the current regulations of the [International Code on Zoological Nomenclature](#) other status specifications not treated by the ICZN regulations (eg. topotype) have been maintained as supplementary information about the specimen(s) in question.

Enjoy your virtual visit through our collections!

Discover some random specimens :

- [Mammalia / Myotis myotis \(Borkhausen, 1797\)](#)
- [Mollusca / Cardium norvegicum Spengler, 1792](#)
- [Mammalia / Mastomys natalensis microdon \(Peters, 1852\)](#)



DarWIN : EXPORT to BIOCASE and

**GLOBAL
BIODIVERSITY
INFORMATION
FACILITY**

Open Source

- PostgreSQL
- PostGIS
- OpenLayers
- PHP, symfony 1.3

Scope & target

- Scalable (>100 millions)
- Professional public
- Export to international aggregators (GBIF)

Problems

- Taxonomy oriented
- Still in development and ... already "too old"
- Not agile
- No google search !

DarWIN : specimen level



darwin.naturalsciences.be/backend.php/specimen/view/id/759510

My Preferences | Searches | Add | Administration | Help

View Specimen

Collection

gedeclasserde specimen
Specimen category physical

Part

Specimen part Rock
Object name physical
Category

Type

Type specimen

Codes

Category	Code
main	A10147

Sex

Sex undefined
State not applicable

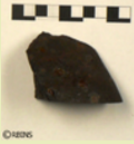
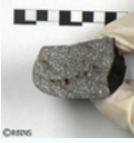
Count

Accuracy Exact
Specimen part count 1

Taxonomy

Bibliography

Related Files

Name	Description	Created At
stolen doc.txt stolen doc.txt	text/plain	01/09/2016
A10147_a.jpg 	image/jpeg	07/08/2013
A10147_b.jpg 	image/jpeg	07/08/2013

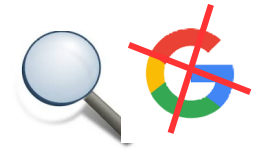
Acquisition

Acquisition category undefined
Acquisition date 01/01/0001

Expedition

[Belgian Japanese Antarctic Expedition 2010-2011](#)

DarWIN Interface



You are here: [Home](#) / [DaRWIN](#)



Dashboard

by [mars](#) — last modified Apr 27, 2018 12:00 PM



Statistics

+ All types and the record count associated

+ All objects in DaRWIN ?

- Total : 2793149

Statistics generated at 14/05/2018 - 12:00

My Last Actions

Date	Relation	Action
02.05.11 (pm)	collections_rights	inserted
02.05.11 (pm)	collections	inserted
02.05.11 (pm)	collections_rights	inserted
02.05.11 (pm)	collections_rights	inserted
02.05.11 (pm)	collections_rights	inserted
02.05.11 (pm)	collections	updated
03.05.11 (am)	collections_rights	updated
03.05.11 (am)	collections	updated
03.05.11 (pm)	collections_rights	inserted
07.06.12 (pm)	collection_maintenance	inserted

« < [1] :: 2 :: 3 :: 4 :: 5 > »

Search

- Zoology
- Paleontology

+ Add

Administration

- Institution
- Collection
- People
- I.G. number

★ Item

- Specimen
- Mineralogy
- Taxonomy
- Lithology

🕒 Sampling

- Location
- Methods
- Expedition
- Tools
- Chronostratigraphy

🖼️ Multimedia

- Picture
- LTP
- 3D Sketchfab

📖 Bibliography

- DaRWIN
- BiblioPlone

📁 Import & Mass action(s)

- Taxonomy
- Geonames
- Specimens

📊 Reporting

- Statistics
- My Reports
- Pinned Specimens

🏷️ Loans & Labels

- Loans
- Labels

🔗 Shortcuts

- Outlook
- Word
- OneDrive
- Excel

Number of the action	Description of the action	KPI	Deliverable	2015	2016	2017	2018
SO1_OO1_A2	To select the optimal tools for collection management (with easy import functionalities)	An analysis is available in the first half of 2016		X	X		

	A	B	C	D	E	F
1	phylum	class	order	family	genus	species
2	CHORDATA	ACTINOPTERYGII	SILURIFORMES	Clariidae	Tanganikallabes	Tanganikallabes alboperca Wright & Bailey,2012
3	CHORDATA	ACTINOPTERYGII	SILURIFORMES	Clariidae	Tanganikallabes	
4	CHORDATA	ACTINOPTERYGII	SILURIFORMES	Clariidae	Tanganikallabes	Tanganikallabes mortiauxi Poll,1943
5	CHORDATA	ACTINOPTERYGII	SILURIFORMES	Mochokidae	Synodontis	
6	CHORDATA	ACTINOPTERYGII	SYNBRANCHIFORMES	Mastacembelidae	Mastacembelus	Mastacembelus tanganicae (Günther,1893)
7	CHORDATA	ACTINOPTERYGII	SILURIFORMES	Claroteidae	Lophiobagrus	Lophiobagrus cyclurus (Worthington & Ricardo,1936)
8	CHORDATA	ACTINOPTERYGII	PERCIFORMES	Cichlidae	Neolamprologus	Neolamprologus toae (Poll,1949)
9	CHORDATA	ACTINOPTERYGII	PERCIFORMES	Cichlidae	Aulonocranus	Aulonocranus dewindti (Boulenger,1899)
10	CHORDATA	ACTINOPTERYGII	PERCIFORMES	Cichlidae	Chalinochromis	Chalinochromis brichardi Poll,1974
11	CHORDATA	ACTINOPTERYGII	PERCIFORMES	Cichlidae	Cyprichromis	
12	CHORDATA	ACTINOPTERYGII	PERCIFORMES	Cichlidae	Eretmodus	
13	CHORDATA	ACTINOPTERYGII	PERCIFORMES	Cichlidae	Neolamprologus	Neolamprologus fasciatus (Boulenger,1898)
14	CHORDATA	ACTINOPTERYGII	PERCIFORMES	Cichlidae	Neolamprologus	Neolamprologus tretocephalus (Boulenger,1899)
15	CHORDATA	ACTINOPTERYGII	PERCIFORMES	Cichlidae	Neolamprologus	Neolamprologus toae (Poll,1949)
16	CHORDATA	ACTINOPTERYGII	PERCIFORMES	Cichlidae	Neolamprologus	Neolamprologus niger (Poll,1956)
17	CHORDATA	ACTINOPTERYGII	PERCIFORMES	Cichlidae	Neolamprologus	Neolamprologus niger (Poll,1956)
18	CHORDATA	ACTINOPTERYGII	PERCIFORMES	Cichlidae	Telmatochromis	Telmatochromis bifrenatus Myers,1936
19	CHORDATA	ACTINOPTERYGII	PERCIFORMES	Cichlidae	Telmatochromis	Telmatochromis dhonti (Boulenger,1919)
20	CHORDATA	ACTINOPTERYGII	PERCIFORMES	Cichlidae	Pseudosimochromis	Pseudosimochromis curvifrons (Poll,1942)
21	CHORDATA	ACTINOPTERYGII	PERCIFORMES	Cichlidae	Petrochromis	Petrochromis fasciolatus Boulenger,1914
22	CHORDATA	ACTINOPTERYGII	PERCIFORMES	Cichlidae	Petrochromis	
23	CHORDATA	ACTINOPTERYGII	PERCIFORMES	Cichlidae	Ophthalmotilapia	Ophthalmotilapia nasuta (Poll & Matthes,1962)
24	CHORDATA	ACTINOPTERYGII	PERCIFORMES	Cichlidae	Aulonocranus	Aulonocranus dewindti (Boulenger,1899)

1. Taxonomy



2. Localities



3. Specimens

XLS /CSV
Template



Webservices
Validation
Taxonomy
Geonames



Human
Quality
control



Import

		2015	2016	2017	2018	2019
Het aantal nieuwe registraties Darwin	Nombre de nouveaux enregistrements Darwin	+ 45676 * * 30000 import geology	+ 17546	+ 16890	+ 19942	+ 75.708 * * 55152 (+330%) import
Het aantal nieuwe registraties niet Darwin	Nombre de nouveaux enregistrements Collections pas Darwin	6967	2516	7519	3554	6669 (+64%)

Totaal aantal specimens Darwin	Nb total de spécimens dans Darwin	--	--	2.764.880	2.874.685	3.043.974
Totaal aantal types	Nb total de types	77.912	86.901	89.714	90.753	100.944
Totaal aantal soorten	Nb total d'espèces	71.019	76.210	79.780	81.823	85.289

DarWIN : Offline Encoding Interface

Taxonomy

Temporary taxon name	<input type="text" value="Felis à points noirs"/>		Type	Notes
Family	<input type="text" value="Echimyidae"/>	Author	<input type="text" value="Gray"/>	<input type="text" value="perhaps new speciesss"/>
Genus	<input type="text" value="Thrichomys"/>		<input type="text" value="Trouessart, 1880"/>	
Species	<input type="text" value="Thrichomys apereoid"/>		<input type="text" value="(Lund, 1839)"/>	
Subspecies	<input type="text"/>		<input type="text"/>	

Type

- Cotype
- Epitype
- Holotype
- Isotype
- Lectotype
- Neallotype
- Neotype
- Paralectotype
- Paratype
- Syntype
- Topotype
- Voucher

Identification

Identified by	<input type="text" value="Vreven Emmanuel"/>	Date	<input type="text" value="13/03/1955"/>
---------------	--	------	---

Interspecies relations

This species is: of

CETAF UID if applicable:

Navigation

Record nr 1/1:

<< < > >>

- Taxonomy
- Specimen
- Location
- Sampling
- Storage

Search







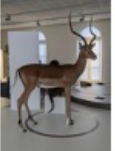




































A-Z

All **A** B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Search text


all items
 in current results

Search

 (Lyurus) Tetrao tetrix	 Accipiter gentilis	 Acinonyx jubatus Cheetah; Guépard	 Acinonyx jubatus	 Acryllium vulturinum	 Actophilomis africana	 Aepyceros melampus	 Afropavo congensis Congo peafowl; Paon du Congo	Afropavo congensis Congo peafowl; Paon du Congo
 Ailuroedus crassirostris	 Ailurus fulgens Red panda; Panda roux	 Ailurus fulgens Red panda; Panda roux	 Alca torda Razorbill	 Alca torda	 Alca torda (ONB24) (208)	 Alcedo atthis Common Kingfisher; Martin-pêcheur d'Europe	 Alectoris rufa	 Alopex lagopus Palou Fox; Renard polaire
 Alopochen aegyptiaca	 Amazona ochrocephala oratrix	 Amblyramphus holosericeus Scarlet-header blackbird; Carouge à tête rouge	 Anas clypeata Northern shoveler; Canard-souchet	 Anas clypeata ♂ Northern shoveler ; Canard-souchet	 Anas platyrhynchos Mallard	Anas strepera Gadwall; Canard chipeau	 Anguilla anguilla	 Anodorhynchus hyacinthinus
 Anser caerulescens	 Anser fabalis	 Antilocapra americana	 Antelope cervicapra Blackbuck; Antilope	 Apodemus sylvaticus Wood mouse	 Apodemus sylvaticus Wood mouse	 Aptenodytes forsteri (Ad. A)	 Aptenodytes forsteri (Ad. B) Emperor Penguin; Manchot empereur	 Aptenodytes forsteri (juv. A)
 Aptenodytes forsteri (juv. B)	 Aptenodytes forsteri (juv. D)	 Aptenodytes forsteri (juv. E)	 Aptenodytes Forsteri (Ad. C)	 Apterix australis Southern brown kiwi; Kiwi austral	 Apus apus Common swift; Martinet noir	 Aquila chrysaetos	 Aquila chrysaetos Golden eagle; Aigle royal	 Ara ararauna

Constat d'état spécimen "Living Planet"

by Terry Walschaerts — last modified Feb 03, 2020 04:04 PM

 <p>museum</p>		<p>Institut royal des Sciences naturelles de Belgique Rue Vautier 29, B-1000 Bruxelles - Belgique Tel. + 32. (0)2. 627.42.11 - Fax. + 32. (0)2. 627.41.13</p>	
FICHE SIGNALÉTIQUE			
Nom scientifique: <i>Acinonyx jubatus</i>		N° de registre: 42294	
Nom commun: Guépard		Date de collecte: 05/05/2016	
Type d'objet: naturalisé		Nom du collecteur: Henrijean	
Fait partie d'un ensemble ou d'une série: non		Localité de collecte: /	
Socle: non		Valeur: /	
Dimensions:			
Hauteur: 108cm		Diamètre: /	
Largeur: 38cm		Poids: /	
Longueur: 92cm		Autre: /	
CRITERES REQUIS POUR L'EXPOSITION			
Température: 18 à 22 °C		Lux: 50	
Humidité: 55 à 65 %		Vitrine: non	Sécurité: barrières
CONSTAT D'ETAT			
Photo(s) prise(s) au départ: oui par T. Walschaerts		Photo(s) prise(s) au retour:	
Etat de l'objet: bon		Constat réalisé par: T. Walschaerts	
Restauration(s) connue(s) : C. De Mey			
Nom de l'emprunteur:		Titre de l'exposition:	
IRSNB, Service développement des expositions Rue Vautier 29, 1000 Bruxelles Belgique		Living planet, Salle permanente	
Fait à Bruxelles		Date prévue pour l'ouverture:	02/04/2020
Le / /		Date prévue pour le retour:	/ /
L'emprunteur : Cécile GERIN		Le prêteur : Olivier PAUWELS	

IMG_20200123_144255_edited.jpg

by Terry Walschaerts — last modified Feb 03, 2020 04:17 PM



Full-size image: 4.77 MB | [View](#) [Download](#)

IMG_20200123_144309.jpg

by Terry Walschaerts — last modified Feb 03, 2020 04:03 PM



Full-size image: 9.93 MB | [View](#) [Download](#)

IMG_20200123_144116.jpg

by Terry Walschaerts — last modified Feb 03, 2020 04:15 PM



Full-size image: 5.50 MB | [View](#) [Download](#)

Acinonyx jubatus

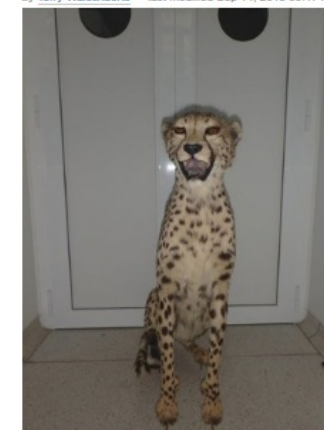
by Terry Walschaerts — last modified Sep 14, 2015 09:17 PM



Full-size image: 50 KB | [View](#) [Download](#)

Acinonyx jubatus

by Terry Walschaerts — last modified Sep 14, 2015 09:17 PM



Full-size image: 29 KB | [View](#) [Download](#)

«
BACK



Problepsis digammata_NT_RMCA_ENT_LEP_000000002_D_Z5_PMax_5
Dorsal view



GENERAL INFORMATION

Lepidoptera → *Yponomeuta pseudostrigillatus*
- RMCA_ENT_LEP_000000002

CODE:

RMCA_ENT_LEP_000000002

RELATED PERSON

Jonathan Brecko (contributor)

TAXONOMY

PHYLUM

Arthropoda

GENUS

Yponomeuta

CLASS

Insecta

SPECIES

Yponomeuta pseudostrigillatus

ORDER

Lepidoptera

FAMILY

Yponomeutidae

TYPE

Holotype

COMMENTS AND TAGS (0)

DOWNLOAD AS PDF



5 mm





UV



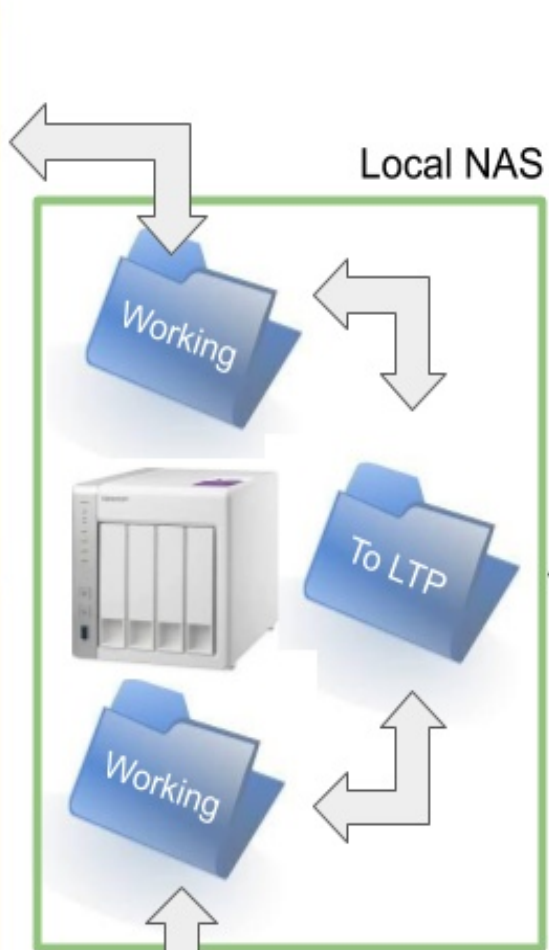
page 1 of 1

Yponomeuta pseudostrigillatus - RMCA_ENT_LEP_000000002 1 of 3

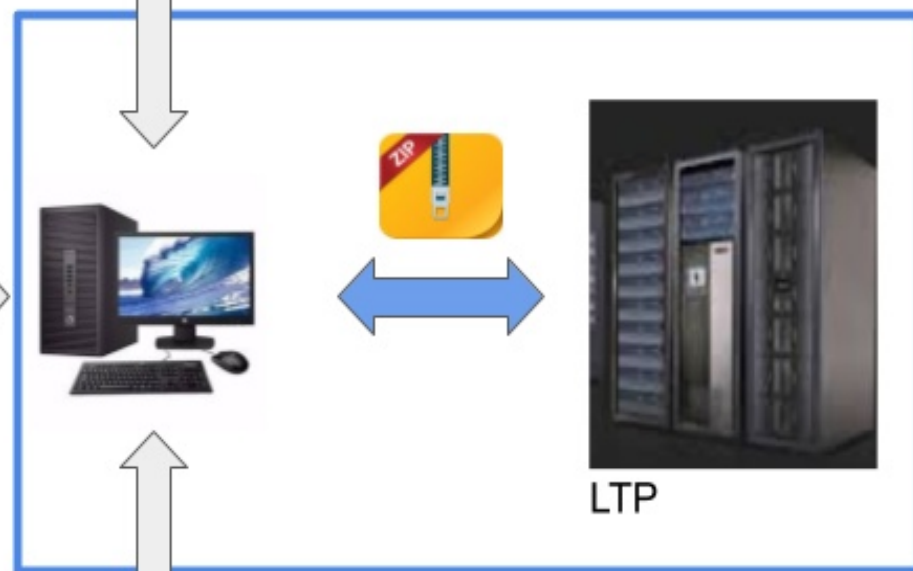
(RMCA_ENT_LEP_000000002)

Search within this item:
Enter Keyword





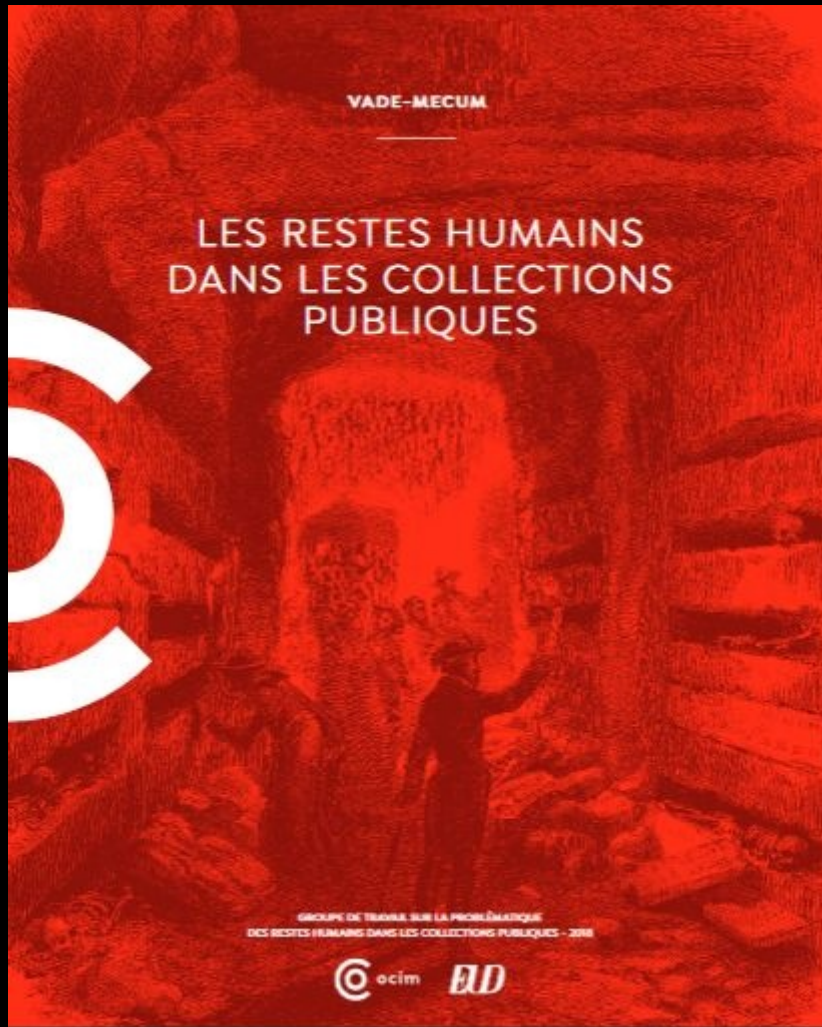
LTP DBase
WEB



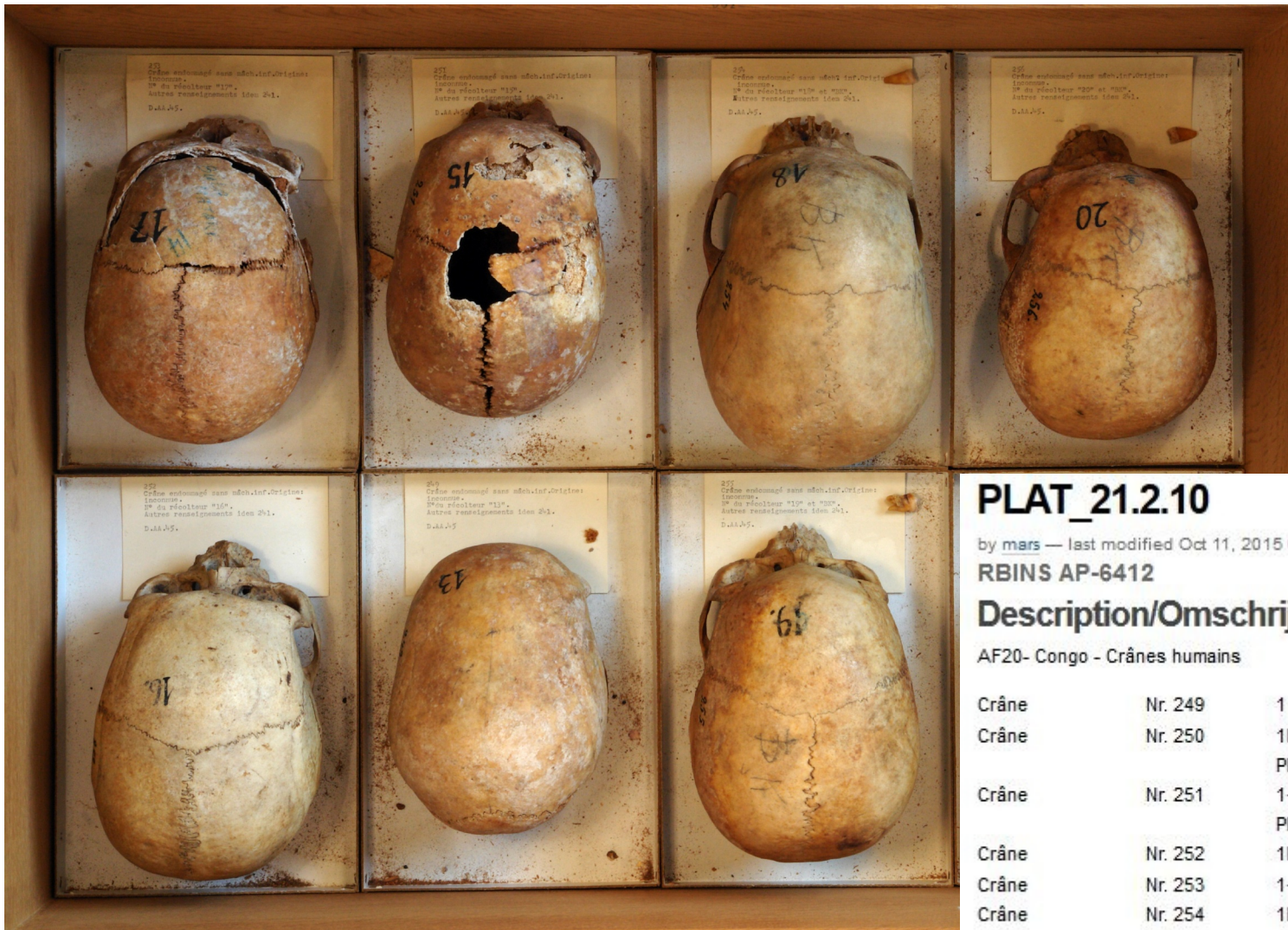
Local Offline
HDD



Repatriation of African colonial collections ?



Repatriation of African colonial collections ?



PLAT_21.2.10

by mars — last modified Oct 11, 2015 01:37 AM — [History](#)

RBINS AP-6412

Description/Omschrijving

AF20- Congo - Crânes humains

Crâne	Nr.	Description	Adult
Crâne	Nr. 249	1 calotte	
Crâne	Nr. 250	1I+PM1L+PM2L+M1L+M2L+M3L+ PM1R+PM2R+M1R+M2R+M3R	
Crâne	Nr. 251	1+/-I+PM1L+PM2L+M1L+M2L+CR+ PM1R+PM2R+M1R+M2R+M3R	
Crâne	Nr. 252	1I	
Crâne	Nr. 253	1+/-I +M2L+M3L+PM1R+PM2R	
Crâne	Nr. 254	1I+CL+PM1L+PM2L+M1L+PM1R+ M1R+M2R	
Crâne	Nr. 255	1I+M1L+M2L+M3L+M1R+1M isolée	
Crâne	Nr. 256	1I+ICL+ILL+PM1L+PM2L+M1L+M2L+ M3L+PM2R+M1R+M2R+M3R	

BRAIN 2 Pillar 2 : Origin of collections



by [muse](#) — last modified [mar 27, 2019 06:21:11](#) — [history](#)

W. du lac TANGANYKA; Inscrit le 19/8/1935; Recolteur: Storms; mâchoire inférieure manque; mâchoire sup. manque 8 dents; le 1/4/46. B. D. 19

default

Alternate Names or IDs:
Lusinga

IG numbers:
IG-28296

Year of Inventorisation:
1936

description biology chronology taphonomy discovery administration



Spy : collection Lohest 1886





© Pascal Goetgheluck

Du virtuel au réel

Layers 120 μm \rightarrow 36h



Mounted skeleton



© T. Chapman (LABO, ULB)



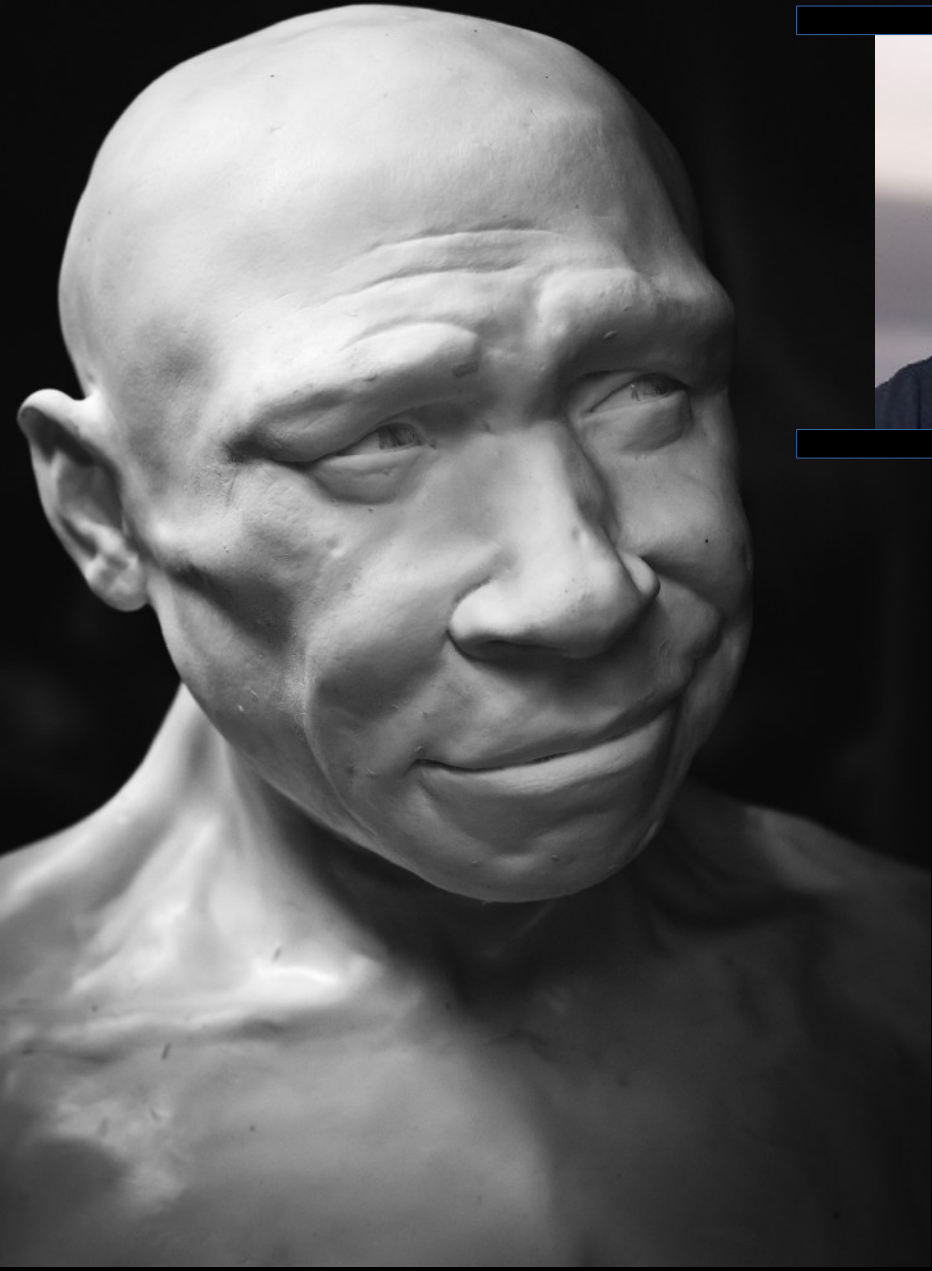
© P. Semal (IRSNB)

Body reconstitution



Reconstruction of the face

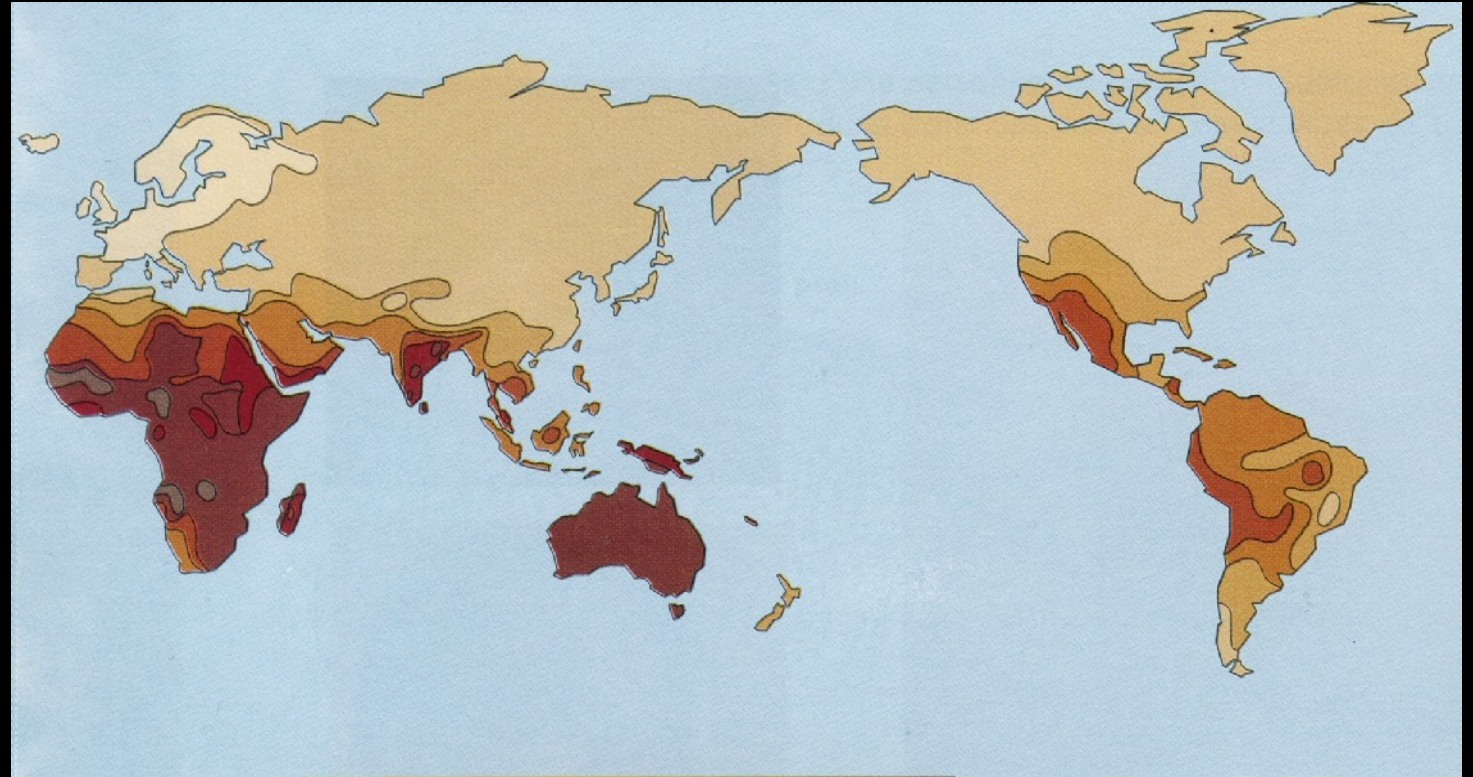
Spy II by Adrie and Alfons Kennis
Photo : Laurence Berger



Moulding



Color of the skin



Body painting



Fragment of black pigment
© Archéologie andennaise.



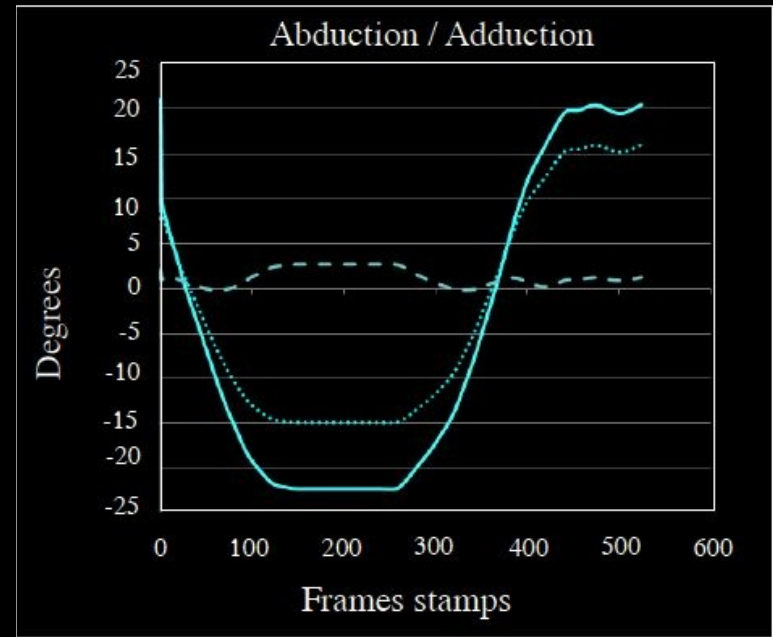
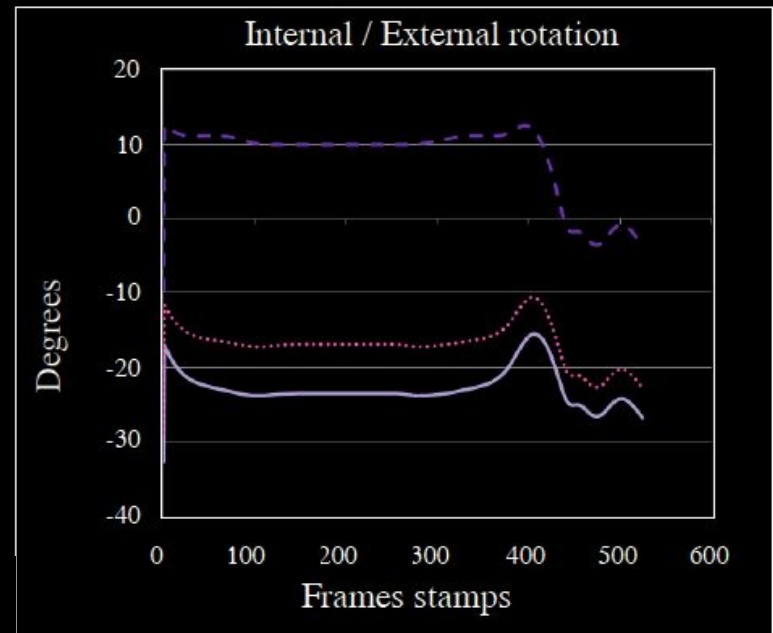
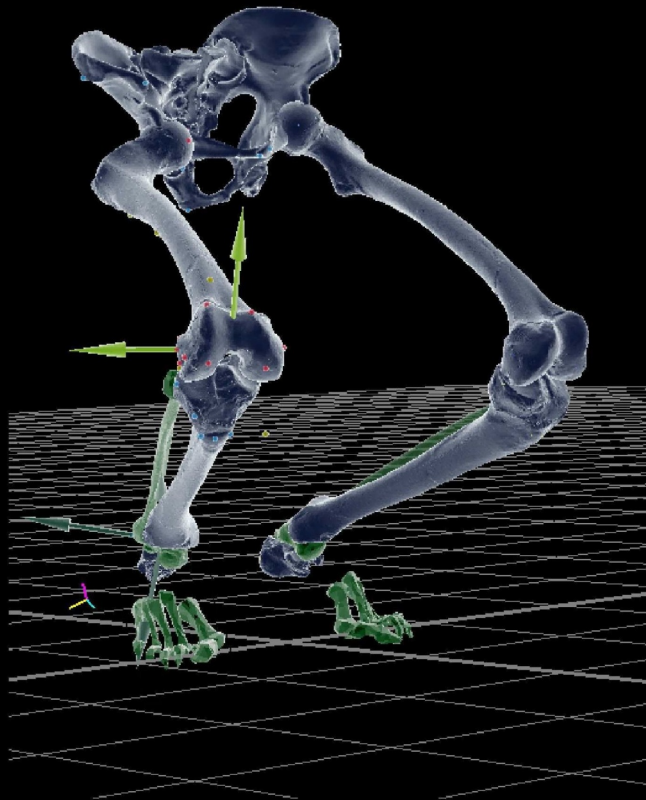
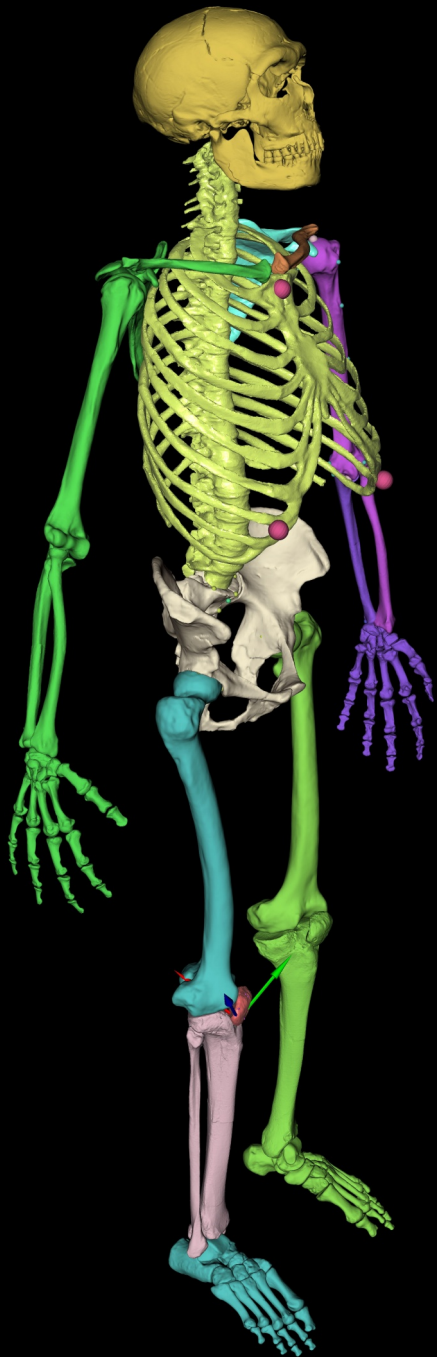
Bloc of manganese Pech-de-l'Azé
With use traces
© Marie Soressi & Francesco d'Errico.

Reconstitution





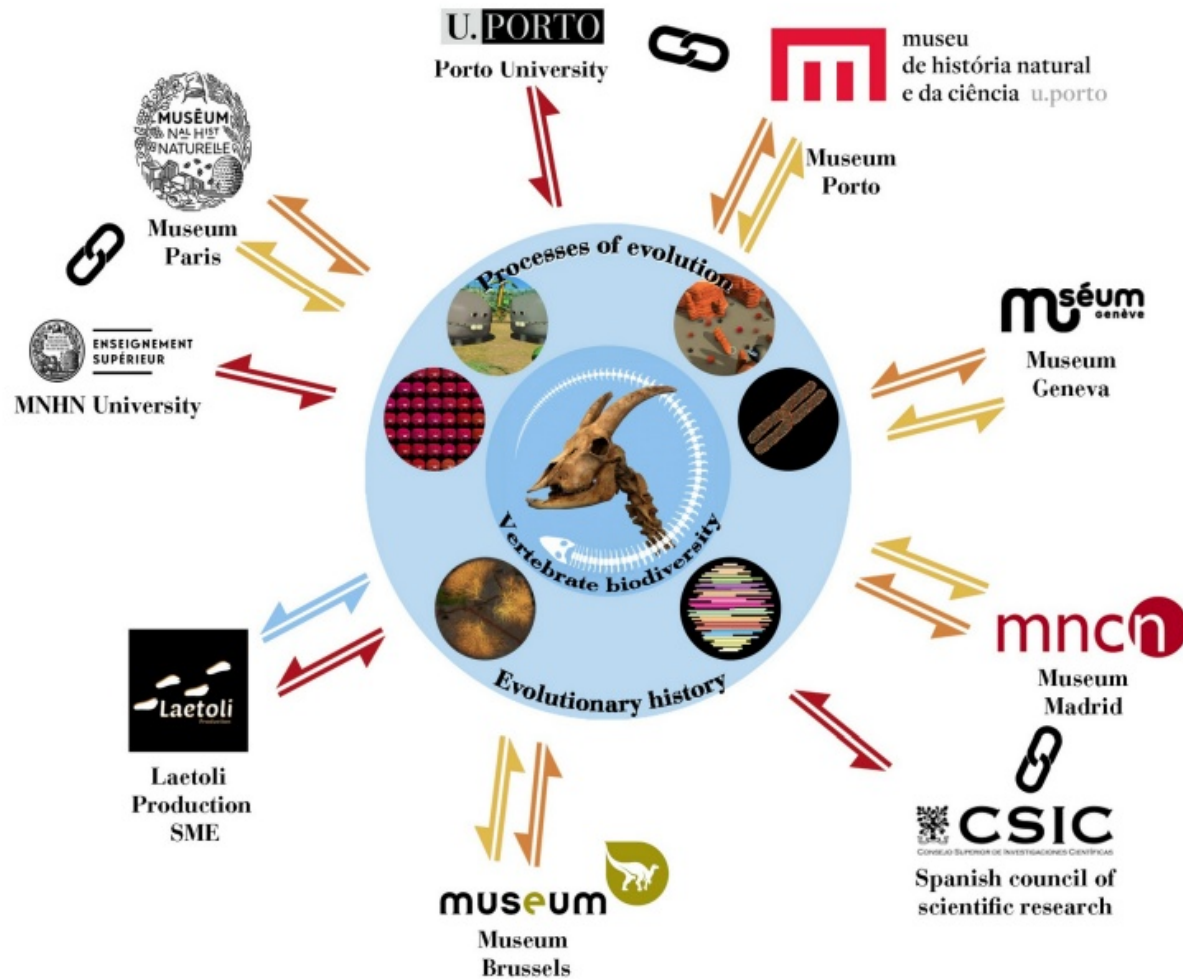
Biomechanic



Perspectives

“Vertebrates”

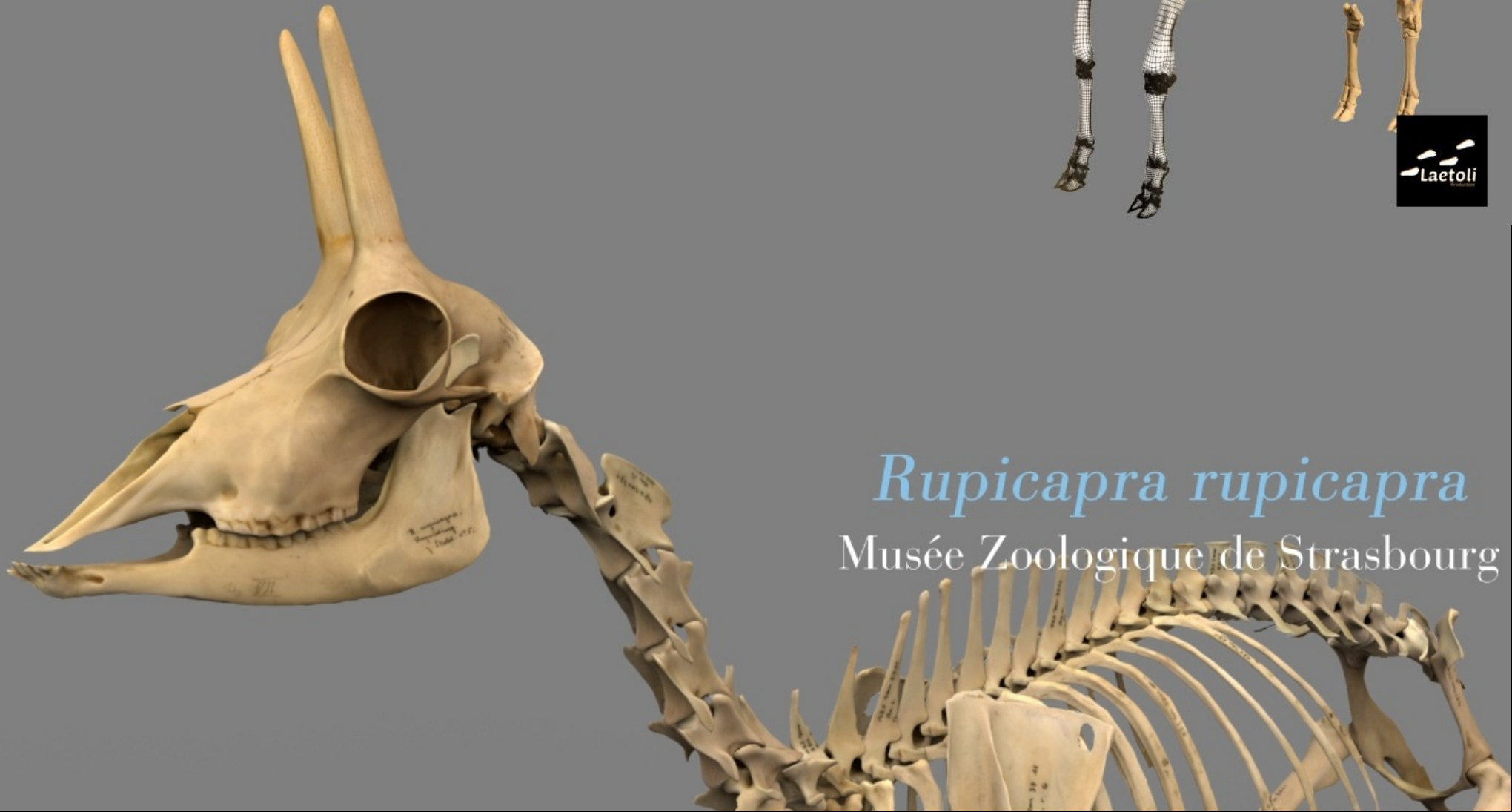
- Survey, data collection, analysis
- Workshops conception and implementation
- 3D data, scientific and pedagogical information
- Applications conception, upgrade and maintainance



<https://www.laetoli-production.fr/>



<https://www.laetoli-production.fr/>



Rupicapra rupicapra
Musée Zoologique de Strasbourg

