



# GBIF Switzerland

*EU Nodes Meeting 2011, April 4th-6th, MNHN Paris*



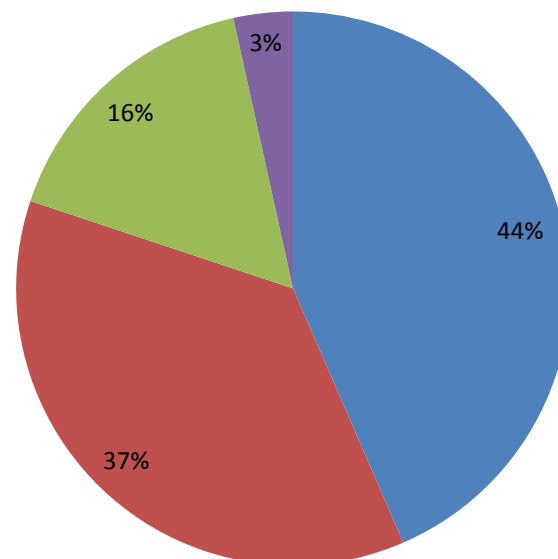
Pascal Tschudin · Yves Gonthier  
[contact.gbif@unine.ch](mailto:contact.gbif@unine.ch)

- Centralized services for standardized data publication (National GBIF Node), offered to all Swiss institutions gathering biodiversity informations (Museums, Swiss National Records Centers)
- Multilingual (F/D/I/E) approach for key concepts (Geography, Field- and identification methods, Ontogeny, Stratigraphy and others), allowing:
  - a standardized publication at international level (data portal GBIF.org)
  - multilingual queries and display at national level (data portal GBIF.ch)
- Considered domains: Zoology, Botany, Palaeontology

## Financial means 2004 – 2011

**Total financial means : 1'840'000 CHF \***

■ Informatic ■ Projects ■ Secretary ■ Sundries



**\* 1'150'000 € (2004)**

**\* 1'533'000 € (2011)**

but for us nothing has changed

## Zoology

Total funds allocated: CHF 333'200 (49%)

Institutions	Title
MHNG	Collections majeures de Plathelminthes parasites
MHNG, NMB	Blattfloh-Sammlungen der Schweiz
NMB, NMLU	Erfassung der Typen der Käferfamilien Cantharidae, Malachiidae and Phengodidae
MCSN, MZL, NMBE, SG, ZMZ	Mollusques: Spécimens types
MCSN, MZL, NMBE, SG, ZMZ	Mollusques: Spécimens types, Iconographie
MZL, NMBE	Checklist Ichneumonidae CH
AG, BNM, ETHZ, MHNG, ZMZ	Datenerfassung der Ichneumonidae (Hymenoptera) in Schweizer Sammlungen
NMBE, MHNG	Erfassung der Primärtypen in der Mollusken-Sammlung von Jules René Bourguignat
NMLU	Inventarisierung der Goldwespensammlung von Walter Linsenmaier

## Botany

Total funds allocated: CHF 227'900 (34%)

Institutions	Title
CJB	Digitalisation des données du genre Usnea
CJB	Saisie et digitalisation de l'herbier du Prodromus De Candolle
CJB	Databasing of the F. Stephani type specimens: an internationally important hepatic collection
CJB	Saisie des échantillons de l'herbier Gamisans
NMLU	Saisie musée de Lucerne (flore)

## Palaeontology

Total funds allocated: CHF 113'068 (17%)

Institutions	Title
ETHZ	200 Jahre Oswald Heer - Digitalisierung der paläontologischen Typensammlung
NMBE	Elektronische Datenerfassung der am NMBE hinterlegten paläontologischen Typen
NMB	Erstellung eines Typenkataloges Sammlung tertiär u. quartär Säugetiere
PIMUZ	Internet-Katalog der Wirbeltiere aus der Mitteltrias des Monte San Giorgio



## DATA PREPARATION & IMPORT

### DATE COLLECTED

Raw data : **1 element**

GBIF.ch : **8 concepts**

3.2.1992

3.-4.2.1992

3.2.1992 - 4.2.1992

3.2.92

-.2.1992

*Printemps 1992*

DATECOLLECTED

DAYCOLLECTED **3**

MONTHCOLLECTED **2**

YEARCOLLECTED **1992**

ENDOFPERIODDATE

ENDOFPERIODDAY **4**

ENDOFPERIODMONTH **2**

ENDOFPERIODYEAR **1992**



RAW DATA (xls)



DATA IMPORT TABLES

	A	B
1	<b>Genus</b>	<b>Species</b>
2	Netelia	testacea
3	Netelia	testacea
4	Netelia	contiguator
5	Netelia	contiguator
6	Netelia	incognitor



## DATA PREPARATION & IMPORT

RAW DATA (xls)



DATA IMPORT TABLES

Names provided

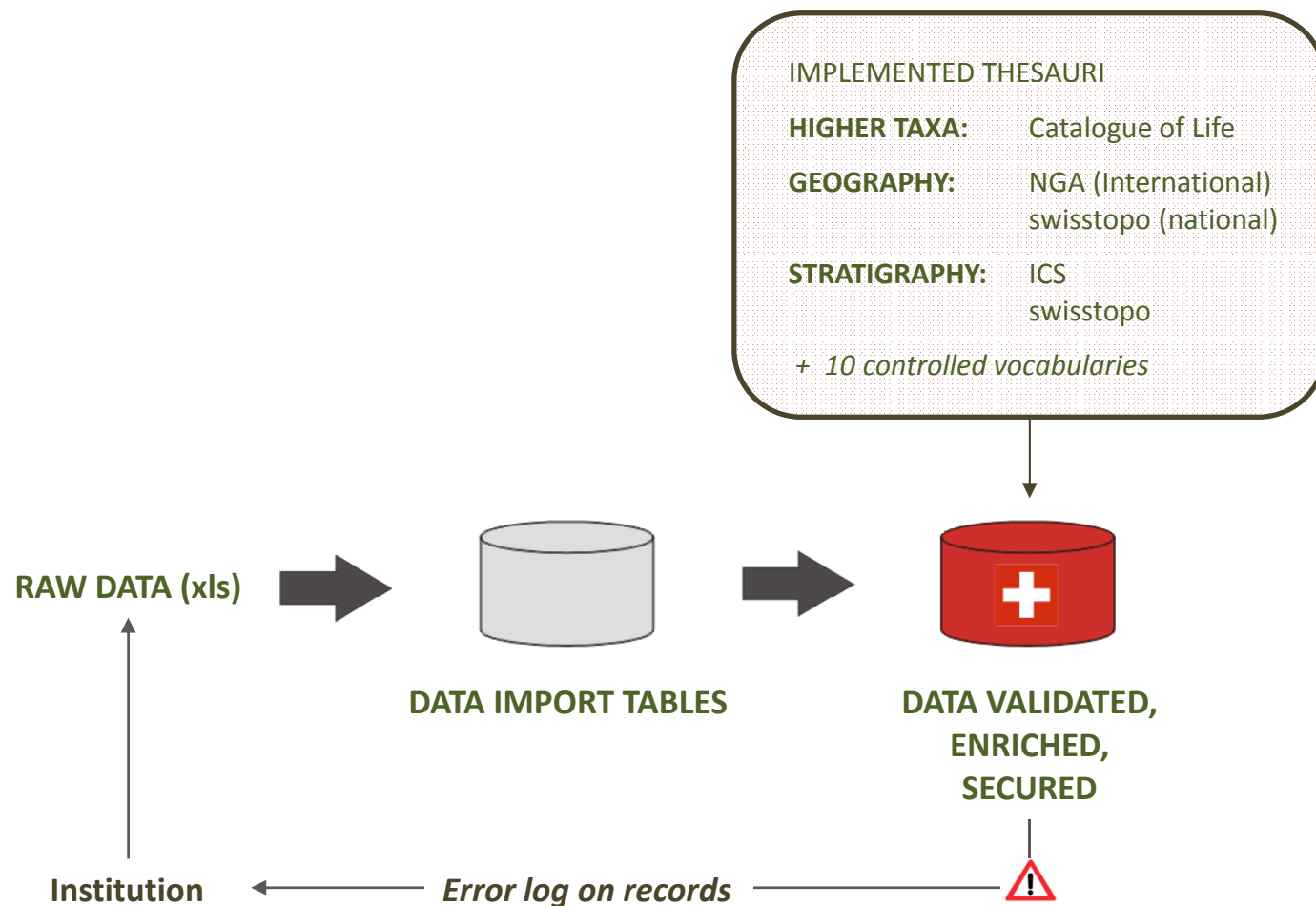


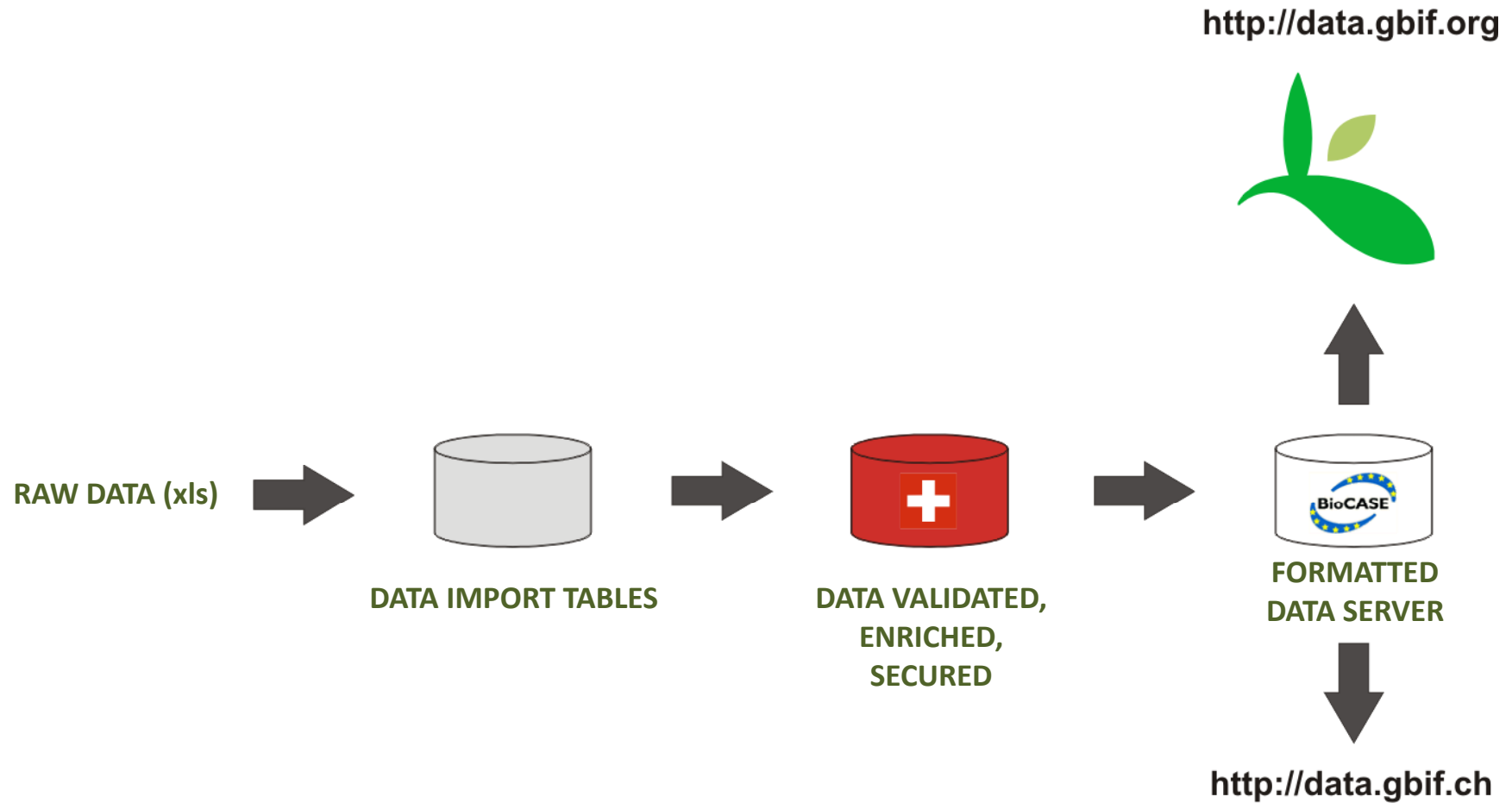
Specialists concerned

International Standards

STATUS	SCIENTIFIC NAME
OK	Arthroleptis poecilonotus Peters, 1863
-	Arthroleptis poecilonotus (Peter, 1863)
-	Arthroleptis poecilonotus (Peters, 1863)
OK	Amietophrynus superciliaris (Boulenger, [1888])
-	Bufo superciliaris Boulenger, 1887
OK	Oophaga histrionica (Berthold, 1845)
-	Dendrobates histrionicus Berthold, 1846
-	Dendrobates histrionicus Funkhouser, 1956
OK	Phyllomedusa tomopterna (Cope, 1868)
-	Pyllomedusa tomopterna (Cope, 1868)
-	Pyllomedusa tomopterrna (Cope, 1868)









**Muséum d'histoire naturelle de la Ville de Genève**  
BdD Mammifères

**MHNG-MAM-135.080a** *Elephas maximus* Linnaeus, 1758

Taxonomy

Image

Geospatial

Collection

Description

Association

References

**Associated parts**

[MHNG-MAM-73.070](#) Tooth  
[MHNG-MAM-75.042](#) Penis



**Associated taxa**

None.

**Other entries linked by**

None.

## 2011, April

### **Biodiversity Monitoring Switzerland BDMCH**

Bird Observational Records , 26'721 records

### **Centre Suisse de Cartographie de la Faune CSCF**

Swiss National Dragonflies Databank, 203'976 records

Swiss National Orthoptera Databank, 248'680 records

Swiss National Butterflies Databank, 581'051 records

### **Global Mountain Biodiversity Assessment GMBA**

The Himalayan Uplands Plant database, 164'356 records

### **Mountain Invasion Research Network MIREN\_ETH**

MIREN survey 01, 3'761 records

### **Muséum d'histoire naturelle de la Ville de Genève MHNG**

Swiss Psyllid (Hemiptera) Collections – Geneva, 9'084 records

### **Naturhistorisches Museum Basel NMB**

Swiss Psyllid (Hemiptera) Collections – Basel, 4'016 records

### 2012

#### **Publication of the observational records of all national biodiversity data centers**

Centre Suisse de Cartographie CSCF, remaining datasets

Centre national pour la cartographie de la flore CRSF

Nationales Inventar der Schweizer Moosflora NISM

Nationales Datenzentrum Pilze WSL

Nationales Datenzentrum Flechten WSL

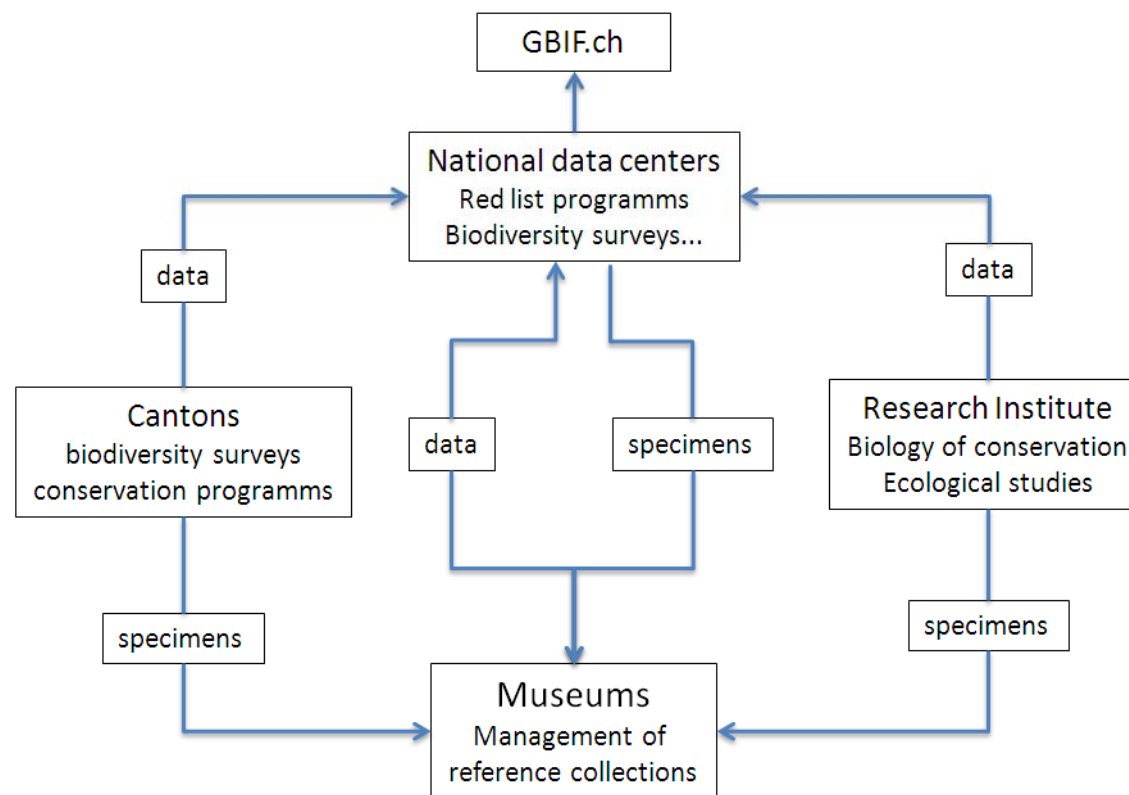
Schweizerische Vogelwarte Sempach SVS

#### **Publication of already prepared museum datasets**

### **2012 - 2015: Technical aspects**

- Guarantee the continuance of the developed IT-infrastructure
- Document concepts, procedures and data flow
- Improvement of the current georeferencing routines for international data
- MetaCat
- HIT

### 2015: Data and specimen flow defined at national level



### Vision

The 45 million specimens housed in Swiss museums are digitized and accessible via GBIF.

Swiss authorities in charge of culture and research and private sponsors support

- the management and extension of collections, with reference specimens gathered within all national surveys
- the research in systematics required for their scientific valorization
- study programs necessary to ensure the continuity of this ambitious initiative