

# Dynamic use of CETAF information

Karsten Gödderz – Project Assistant



# Stable Identifiers on the CETAF Website



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## EXPLORING AND DOCUMENTING DIVERSITY IN NATURE

We ARE a taxonomic research network formed by institutions of reference in Europe. We HOLD 80% of the world's described biodiversity as specimens, collections and their data. We CONNECT over 5000 researchers in European Natural History Museums, Natural Sciences Museums, Botanic Gardens and other research institutions. We CONTRIBUTE to Europe's knowledge-base by enhancing the synergies of our Member's collections and research capabilities.

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### Collections

CETAF's 33 members represent 57 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.



### Earth Sciences

Geology, mineralogy palaeontology and anthropology collections.



### Life Sciences

Living organisms' collections, including plants, animals and fungi.



### Heritage Sciences

Natural history publications, artwork and cultural items.

### Publications

Get direct access to our European Journal of Taxonomy (EJT), and find articles that our Members have published elsewhere. Not a scientist? Take a look here too if you would like general information on taxonomy and biodiversity.



### Research

Explore the different research domains of CETAF's Members and find out what our member institutions are doing.



### Working Commissions & Special Interest Groups

Taxonomy is of global interest in various policy areas. Keep track of our work on subjects that range from the management of biological collections, their digitalisation, to the impacts that the Access and Benefit Sharing regulation will have on taxonomic research.



### Training

Would you like new skills and competences for your research career? Have a look here for training and related opportunities to taxonomy and systematics.



### Galleries

Are you passionate about nature? Do you want to learn more about the world of taxonomy? Check out the permanent and temporary exhibitions near you!



Tuesday, March 1

M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

### Forthcoming Events

05 Apr 2016 ISBER 2016 Annual Meeting & Exhibits MEETING

European Association of Systematic Botany

European Association of Systematic Botany

2016 Collections MEETING

### Learn more about the CETAF stable identifiers

CETAF stable identifiers for specimens

European Association of Systematic Botany

European Association of Systematic Botany

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### Highlights

Event review: First BEDIC workshop "Data..."

[Read more](#)

### News

Give your opinion on the long-term sustainability of research infrastructures!

JOB OPPORTUNITY: Herbarium Collections Manager

Event review: Infoday EU Research Infrastructures

Event review: First BEDIC workshop "Data Matters"

Event review: Infoday MSCA 2016 calls

### Tweets by @eurol taxonomy

CETAF Rebranded

RBIN Smuseum @RBINSmuseum

Facebook Users Help Inventorize Cambodian Lanternflies naturalsciences.be/en/news/feb15... #CitizenScience #insect #taxonomy



CETAF Rebranded

Lise Goudeseume @LiseD4

Naturalists are becoming an endangered species. theconversation.com/naturalists-ar...



[Embed](#) [View on Twitter](#)

### Tags

ABS (5) biodiversity (6) CBD (4) CETAF (6) Data Management (3) Employment (4) EU (3) European Commission (26) Event review (5) Funding call (8) Horizon 2020 (11) innovation (4) Job opportunity (4) New species (4) Open Access (5) Open consultation (5) public consultation (5) RBINS (4) Research (10) taxonomy (6) More

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# Stable Identifiers on the CETAF Website



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## CETAF Stable Identifiers

View Edit Manage display Devel



The formation of a joint system of identifiers for specimens held by CETAF collections is one of the import targets defined by the CETAF strategic development plan for the next decade.

The CETAF Information Science and Technology Committee (ISTC) has taken already a significant step to fulfil this target by:

- agreeing on a **joint Linked Open Data (LOD)** compliant identifier system,
- providing mechanisms for consistently referencing individual specimens, as well as
- redirecting to human-readable webpages and machine-readable (preferably RDF) Metadata records

Additional information can be found at the CETAF Stable Identifier Initiative Wiki at [http://cetafidentifiers.biowikifarm.net/wiki/Main\\_Page](http://cetafidentifiers.biowikifarm.net/wiki/Main_Page)

There is also a poster summarising the development in a non-technical way ([http://cetaf.org/sites/default/files/cetaf-istc\\_stable\\_identifiers\\_poste...](http://cetaf.org/sites/default/files/cetaf-istc_stable_identifiers_poste...)).



# Stable Identifiers on the CETAF Website

To date, **10 CETAF institutions** joined the initiative and provide LOD-compliant identifiers for individual specimens. For each of them the following lists provides an example identifier, a link to a catalogue for searching specimens and their identifiers as well as an indication of whether a redirect to machine-readable metadata has already been implemented.

## **Botanischer Garten und Botanisches Museum Berlin-Dahlem**

Example: <http://herbarium.bgbm.org/object/B100277113>

Catalogue: <http://ww2.bgbm.org/Herbarium/>

Redirect to machine-readable representation: yes

## **Finnish Museum of Natural History, Helsinki**

Example: <http://id.luomus.fi/GL.749>

Catalogue: no

Redirect to machine-readable representation: no

## **Museum für Naturkunde, Berlin**

Example: [http://coll.mfn-berlin.de/u/ZMB\\_Orth\\_BA000061S01](http://coll.mfn-berlin.de/u/ZMB_Orth_BA000061S01)

Catalogue: no

Redirect to machine-readable representation: yes

## **Muséum national d'histoire naturelle, Paris**

Example: <https://science.mnhn.fr/institution/mnhn/collection/ec/item/ec32>

Catalogue: <https://science.mnhn.fr/all/search>

Redirect to machine-readable representation: yes

## **Naturalis Biodiversity Center, Leiden**

Example: <http://data.biodiversitydata.nl/naturalis/specimen/RMNH.AVES.110103>

Catalogue: <http://bioportal.naturalis.nl/>

Redirect to machine-readable representation: yes

## **The Natural History Museum, London**

Example: <http://data.nhm.ac.uk/object/8e2f81f5-110d-45e8-8e5a-34e8d30a1a49>

Catalogue: <http://data.nhm.ac.uk/>

Redirect to machine-readable representation: yes

## **Royal Botanic Garden Edinburgh**

Example: <http://specimens.kew.org/herbarium/K001116483>

Catalogue: <http://apps.kew.org/herbcat/gotoHomePage.do>

Redirect to machine-readable representation: yes

## **Royal Botanic Garden Kew**

Example: <http://specimens.kew.org/herbarium/K001116483>

Catalogue: <http://apps.kew.org/herbcat/gotoHomePage.do>

Redirect to machine-readable representation: yes

## **Staatliches Museum für Naturkunde Stuttgart**

Example: <http://col.smns-bw.org/object/S1000027722006>

Catalogue: <http://www.smns-bw.org/db/datenbank.php>

Redirect to machine-readable representation: no

## **Zoologisches Forschungsmuseum Alexander Koenig, Bonn**

Example: [http://id.zfmk.de/collection\\_ZFMK/1650/733377/90217](http://id.zfmk.de/collection_ZFMK/1650/733377/90217)

Catalogue: no

Redirect to machine-readable representation: no

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Catalogue: <http://ww2.bgbm.org/Herbarium/>

Redirect to machine-readable representation: yes

## **Finnish Museum of Natural History, Helsinki**

Example: <http://id.luomus.fi/GL.749>

Catalogue: no

Redirect to machine-readable representation: no

## **Museum für Naturkunde, Berlin**

Example: [http://coll.mfn-berlin.de/u/ZMB\\_Orth\\_BA000061S01](http://coll.mfn-berlin.de/u/ZMB_Orth_BA000061S01)

Catalogue: no

Redirect to machine-readable representation: yes

## **Muséum national d'histoire naturelle, Paris**

Example: <https://science.mnhn.fr/institution/mnhn/collection/ec/item/ec32>

Catalogue: <https://science.mnhn.fr/all/search>

Redirect to machine-readable representation: yes

## **Naturalis Biodiversity Center, Leiden**

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Catalogue: <http://bioportal.naturalis.nl/>

Redirect to machine-readable representation: yes

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Catalogue: no

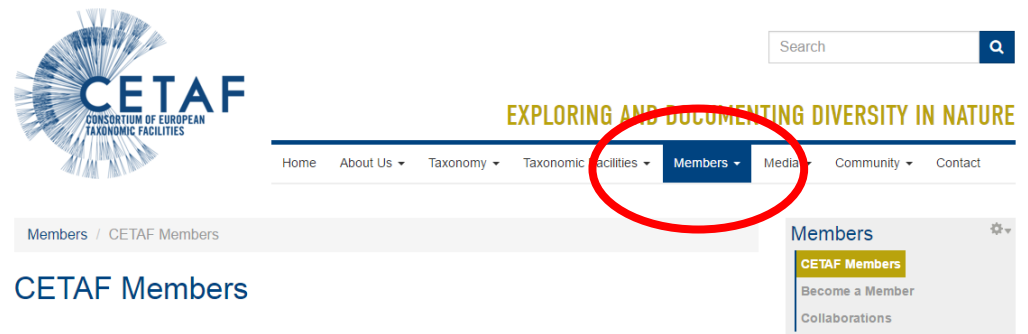
Redirect to machine-readable representation: no

## To integrate:

- CSPP
- Use Case

# Institution Passports on the CETAF Website

- Institutional profiles to be published on the website



- Searchable, filled with links to member websites
- First step on path to establish CETAF Website as a main hub for information concerning natural heritage

# Next steps

- **Search Tool → Pilot**
- **Job portal, Experts database...**
- **What would you like to see integrated?**
- **What would be beneficial for you?**

# THANK YOU FOR YOUR ATTENTION!

## CETAF – Dynamic use of CETAF information



of the world's  
described  
biodiversity

### Joint CETAF Digitisation and ISTC Group Meeting

12/04/2016

Institute of Botany, Slovak Academy of Sciences, Bratislava

Karsten Gödderz  
Project Assistant  
[Karsten.Goedderz@cetaf.org](mailto:Karsten.Goedderz@cetaf.org)

[www.cetaf.org](http://www.cetaf.org)

## EXPLORING AND DOCUMENTING DIVERSITY IN NATURE

Through a network of 50+ natural history collections