

Citizen Science as a tool for connecting cultural heritage and natural heritage collections

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@HuyPieter



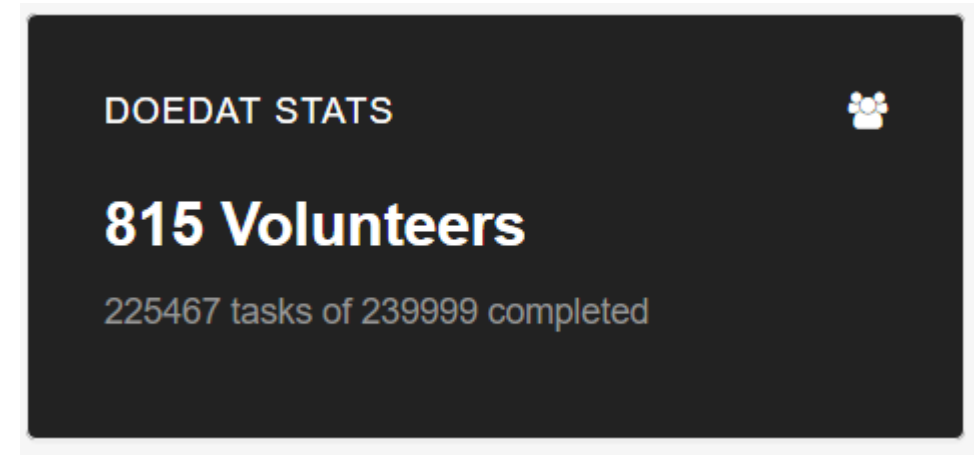


- Linking Biodiversity and Culture Information :Europeana
 - <https://linbi.eu/>
- Make natural history content easier to find
- Bring new, enriched objects to Europeana
- Virtual Exhibitions
- Clustering objects beyond the source collections
 - -> A new workflow for Europeana Aggregators
- Natural & Cultural Heritage for Research & non-Research user groups

•DOE•DAT•••

- Crowd sourced enrichment of natural/cultural heritage items
 - Transcriptions of letters, posters, images, herbarium sheets, camera trap images, ...
- Data Standards: DarwinCore, DublinCore
- doedat.be

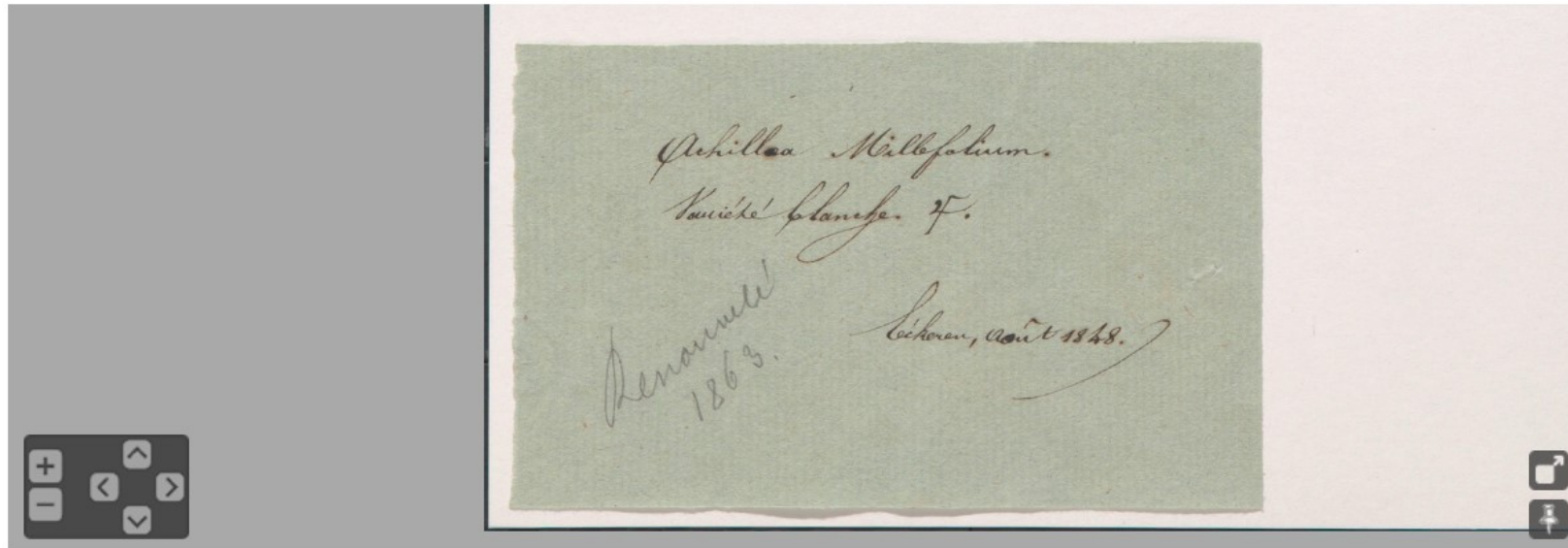
B i o d i v e r s i t y
I n f o r m a t i o n
S t a n d a r d s
T D W G



•DOE•DAT•••

- Crowd sourced enrichment/transcription of collection specimens leads to research opportunities
- Camera Trap Images: Species identification
- Better metadata allows us to be more FAIR
- Data Standards: DarwinCore, DublinCore



[Skip](#)[Create forum topic](#)[Tutorial](#)

Barcode: BR0000011210351

Taxon: Achillea filipendulina

1. Identification

[Shrink](#)

Scientific name as
given *

[?](#)

Vernacular name

[?](#)

Uses

[?](#)

2. Collection data

Collector(s) as given *

[?](#)

Collector (standard) *

[?](#)

Collection number *

[?](#)

Collection date *

(from)

[?](#)

3. Spatial data

Locality as given *

[?](#)

Altitude

from - to

[?](#)

IFBL grid cell

[?](#)

Coordinates as given

[?](#)

LinBi Enrichment Platform

- Metadata Enrichment
- Simple Vocabularies
 - Ontologies
- Journalistic Search Platform: facilitate reuse
- Clustering: content baskets
 - Across collections
 - Increase findability
- Europeana API Front End



LinBi Enrichment Platform

LinBi Development

Welcome, Meise Botanic Garden [Log Out](#)

Dashboard

Items

Collections

Item Types

Tags

Simple Pages

LinBi Services

Europeana Search

Europeana Search

My Baskets

Annotator Tool

Here you can search Europeana and save the result in your Basket/s. You can search in multiple fields or perform a simple search.

Any copyright

No thematic restriction

☐ Exact term

Meise

-- Any field --

+

-

Facets

And

Color palette

Any

+

-

Search on Europeana

100



Pick a target Basket

Select Below

Add to basket

Previous Searches ...

Showing results: 1 - 100 of 523549

1

2

3

4

...

10

Query exceeded maximum of 1000 results

List

Grid

Tricalysia reflexa H...

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A. B. Chikara 195
C. P. Chikara 195
G. H. Chikara 195

Crotalaria cornetii ...

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Handwritten text on a piece of paper

Lactuca paradoxa Sch...

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Handwritten text on a piece of paper

Parietaria ruwenzori...

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Handwritten text on a piece of paper

Ixora aneimenodesma ...

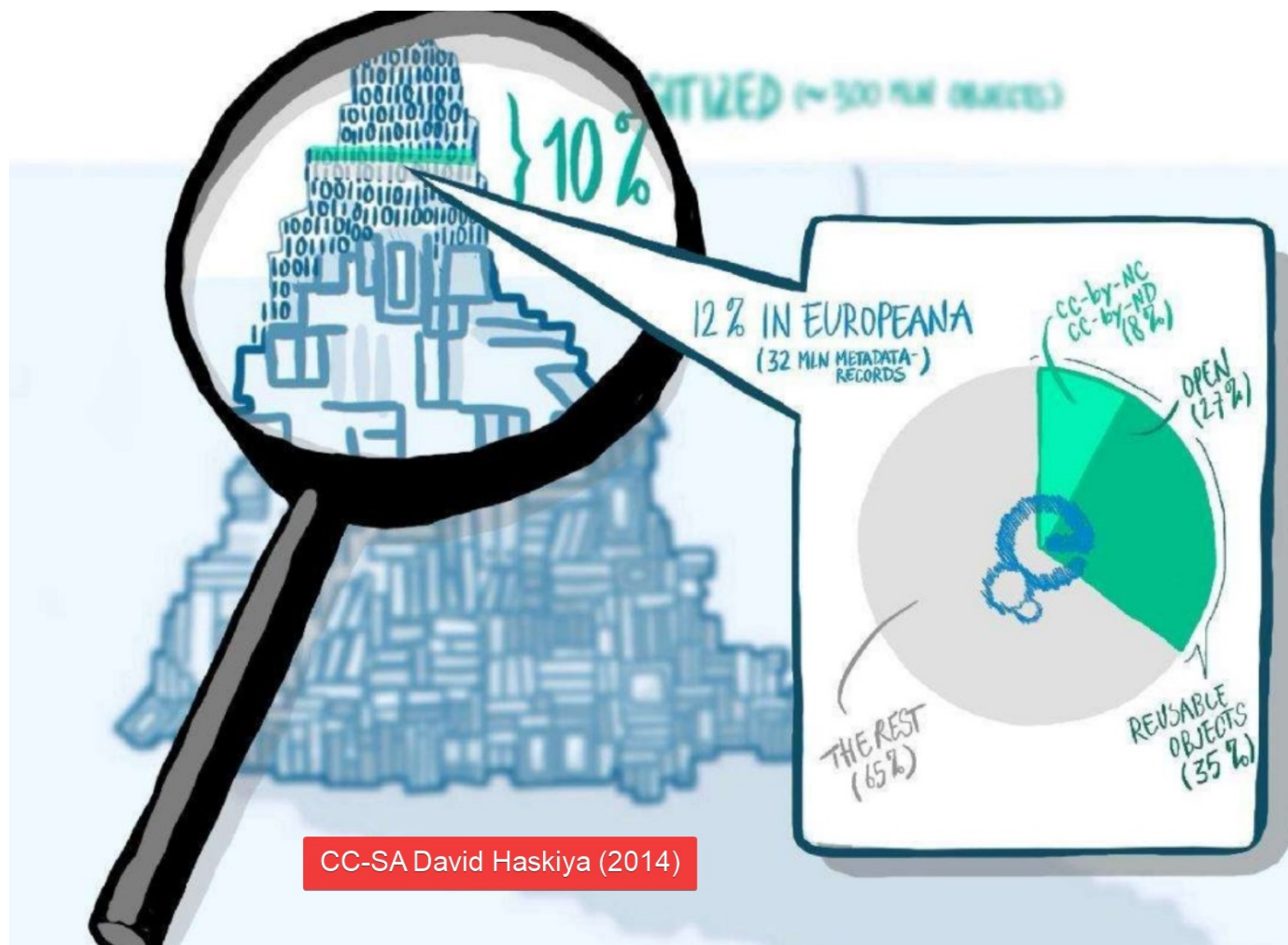
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Handwritten text on a piece of paper

Crowdsourcing ---> More FAIR ??!

- Findable
- Accessible
- Interoperable
- Reusable

All depends on
Data Usage
Policy



Crowdsourcing ---> More FAIR ??!

All depends on the Data Usage Policy

- Make your data available
- Prevent restrictions on the content and data reuse!
- Embrace data standards and existing ontologies
- Use identifiers to connect to other knowledge bases
- Use persistent URI's so people can refer to your objects



What does the Future hold?

- Using IIIF to decrease barrier to get content on Europeana
- IIIF Change Discovery API (v0.3) : Europeana – IIIF interest Group
- IIIF & Europeana working group
 - <https://pro.europeana.eu/project/iiif-europeana-working-group>



What does the Future hold?

- Europeana Annotation API (α): web annotation protocol
 - <https://www.w3.org/TR/annotation-protocol/>
- REST API to create, manage, and retrieve annotations on Europeana objects
 - Both users and machines can add, enhance or correct metadata
 - <https://pro.europeana.eu/page/annotations>



What does the Future hold?

- Portal roundtripping: institutional portals <-> Europeana
- Metadata roundtripping: Europeana -> Institution Portal 
- IIF Change Discovery: find and propagate changes in IIF resources
- Europeana as an annotation platform

Photographer: Borremans P.
Stokesia laevis (Hill) Greene