

Digitale Ontsluiting Erfgoedcollecties (DOE!)

Digital Unlocking of Heritage Collections

Quentin Groom
Botanic Garden Meise



DOE!: mass digitization project

Numbers of specimens

- Vascular plants 2,750,000
 - Bryophytes 370,000
 - Fungi 180,000
 - Algae 50,000
 - Myxomycetes 40,000
- Rosa: 40,000
Rubus: 40,000

> 3.6 million specimens
60,000 type specimens

Transcription in Suriname

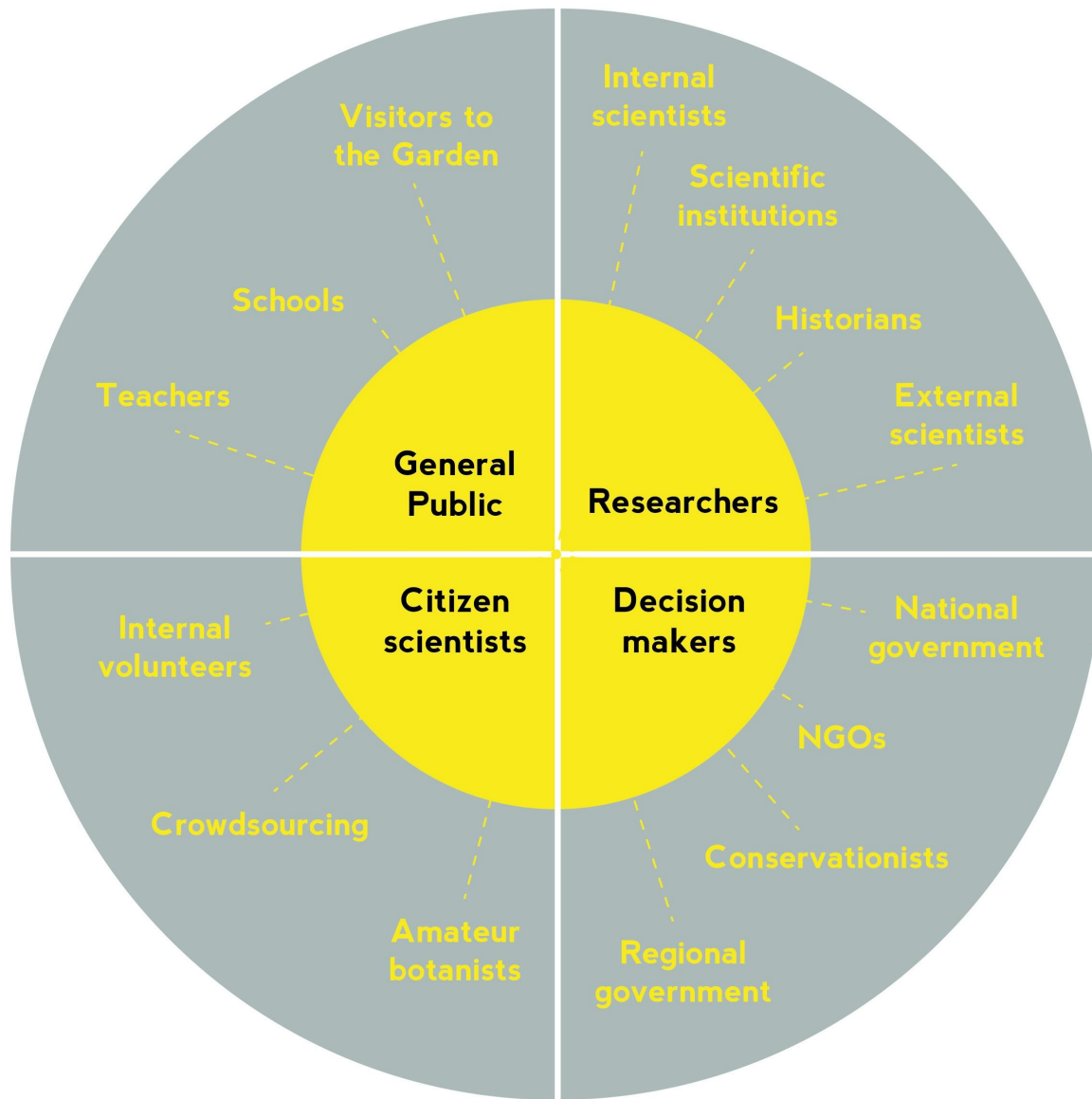


Where are those specimens?



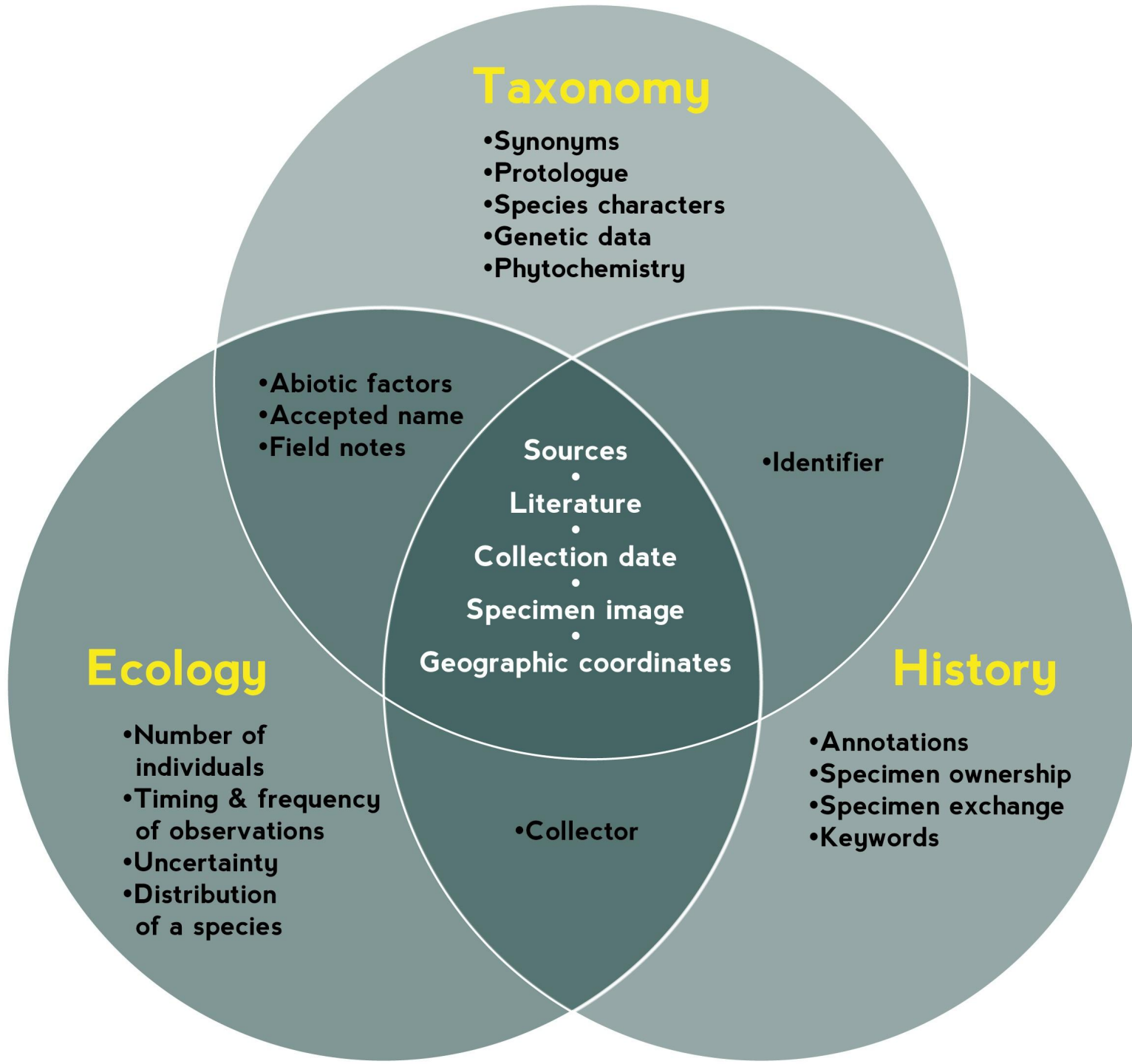
**Where are the people
who need access to
those specimens?**





Who needs access to the herbarium





CLEAR FILTERS





















24 results found

DOWNLOAD

- Specimen Name**
- Search...
- Monechma subsessile 24
 - Justicia anagalloides 17
 - Asystasia gangetica subsp. micrantha 15
 - Hypoestes forskoalii 15
 - Justicia heterocarpa subsp. praetermissa 13
 - Anisosepalum humbertii subsp. humbertii 9
 - Blepharis stuhlmannii 9
 - Crabbea velutina 9
 - Ruellia patula 9
 - Brillantaisia cicutricosa 7

- Family**
- Search...
- Acanthaceae 24
 - Acarosporaceae 0
 - Aceraceae 0
 - Achariaceae 0
 - Achatocarpaceae 0
 - Achnanthidiaceae 0
 - Acinetosporaceae 0
 - Acoraceae 0
 - Acrobolbaceae 0

- Genus**
- Search...
- Monechma 24
 - ? 0
 - Abarema 0
 - Abatia 0
 - Abelia 0
 - Abelmoschus 0
 - Abies 0
 - Abietinella 0
 - Abildgaardia 0

Name	Collector	Family	Country	Date
 Monechma subsessile BR0000008597168	Troupin G.	Acanthaceae		1957-12-21
 Monechma subsessile BR0000008597755	Troupin G.	Acanthaceae		1958-11-20
 Monechma subsessile BR0000008598271	Troupin G.	Acanthaceae		1958-04-02
 Monechma subsessile BR0000008597441	Troupin G.	Acanthaceae		1957-09-22
 Monechma subsessile BR0000008598325	Troupin G.	Acanthaceae		1958-04-07
 Monechma subsessile BR0000008597236	Troupin G.	Acanthaceae		1957-10-18
 Monechma subsessile BR0000008598028	Troupin G.	Acanthaceae		1958-10-30
 Monechma subsessile BR0000008597090	Troupin G.	Acanthaceae		1958-11-08
 Monechma subsessile BR0000008598158	Troupin G.	Acanthaceae		1958-02-22
 Monechma subsessile BR0000008596987	Troupin G.	Acanthaceae		1958-04-21

Rows: 10 [50](#) [100](#)

Go To Page Page 1 of 3 >

[BACK](#)

Monechma subsessile

Cite as: <http://botanic-garden-meise-tst.appspot.com/specimen/BR0000008597168>

Specimen



Herbarium	Botanic Garden Meise
Barcode	BR0000008597168
Collected	Rwanda
In	région du Mutara, env[irons] de Mimuli; près de la riv[ière] Kakitumba, [territoire]:
	Biumba
Collected On	1957-12-21
Collected By	Troupin G.

[RDF](#)

Species

Name	<i>Monechma subsessile</i>
Family	Acanthaceae
Genus	Monechma
Habitat	savane

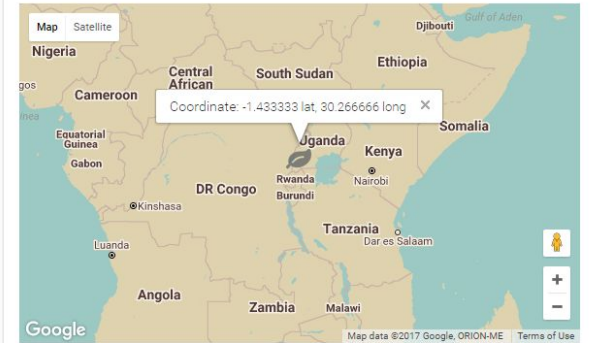
Image



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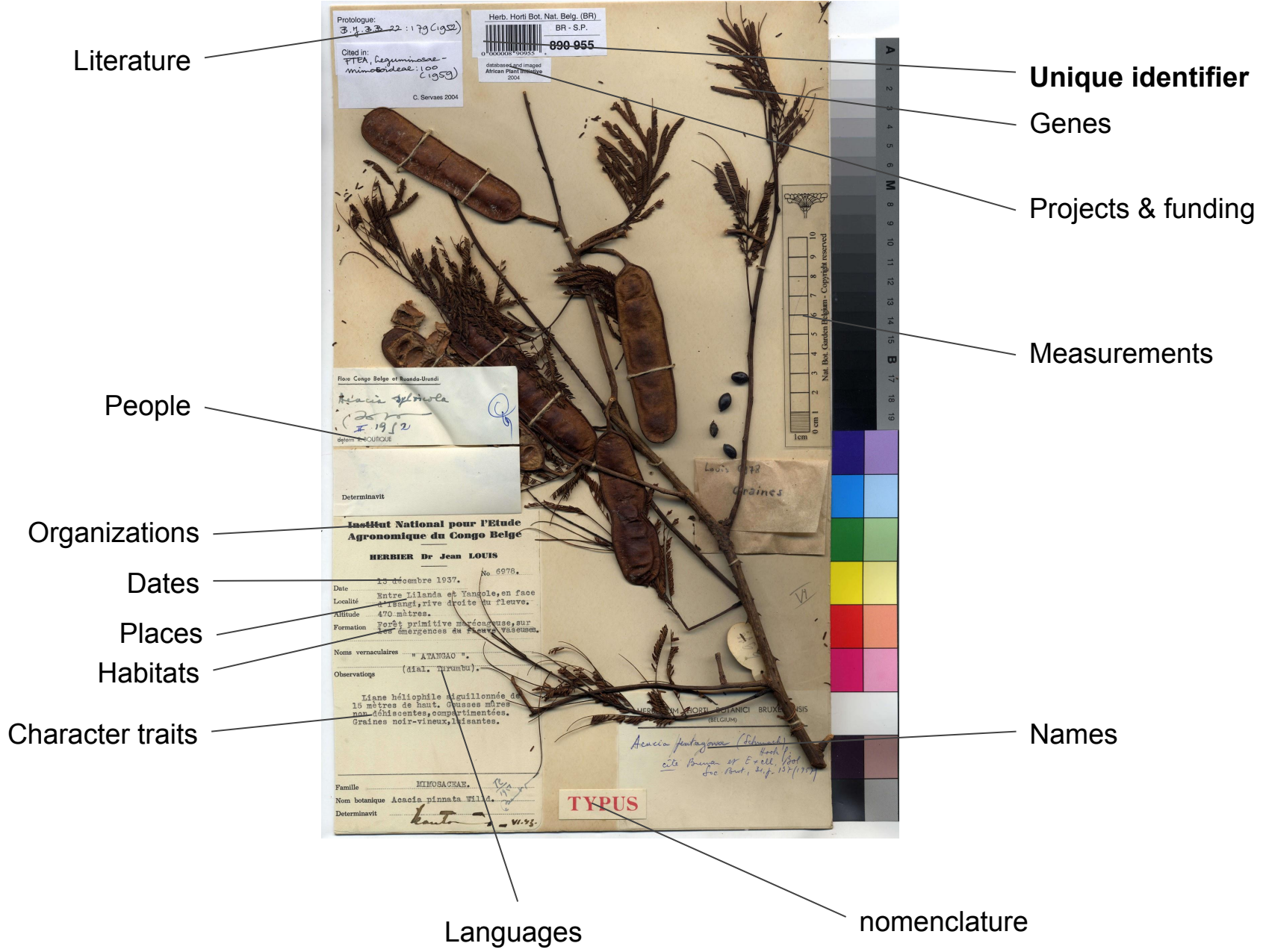
[HIGH RESOLUTION IMAGE](#)
[FULL SCREEN](#)

Location



Google

Map data ©2017 Google, ORION-ME [Terms of Use](#)



Literature

Protologue:
3. 4. 3. 22: 179 (1922)
Cited in:
FTEA, Leguminosae -
Mimosoideae: 100
(1953)
C. Servaes 2004

Herb. Horti Bot. Nat. Belg. (BR)
BR - S.P.
090-955
digitized and imaged
African Plant Image
2004

Unique identifier

Genes

Projects & funding

Measurements

People

Herb. Congo Belge of Rwanda-Urundi
Acacia pinnata
1912
Belim - SCOURGIE

Organizations

Determinavit
**Institut National pour l'Etude
Agronomique du Congo Belge**
HERBIER Dr Jean LOUIS

Dates

Date 13 novembre 1937. No. 6978.

Places

Localité Entre Lilanda et Yandje, en face
de la rive droite du fleuve.
Altitude 470 mètres.

Habitats

Formation Forêt primitive marécageuse, sur
les émergences de faveux vasculux.
Noms vernaculaires "ATANGAO".
Observations (dial. turumbu).

Character traits

Liane héliophile aiguillonnée de
15 mètres de haut. Gousses nires
non-déhiscentes, compartimentées.
Graines noir-vineux, luisantes.

Names

Famille MIMOSACEAE.
Nom botanique *Acacia pinnata* Willd.
Determinavit

TYPUS

Languages

nomenclature



Article

Stable citations for herbarium specimens on the internet: an illustration from a taxonomic revision of *Duboscia* (Malvaceae)

ROGER HYAM¹, ROBYN E. DRINKWATER¹ & DAVID J. HARRIS^{1,2}

¹Royal Botanic Garden Edinburgh, 20a Inverleith Row, Edinburgh EH3 5LR, UK

²Email d.harris@rbge.org.uk

Hyam, R.D., Drinkwater, R.E. & Harris, D.J. *Stable citations for herbarium specimens on the internet: an illustration from a taxonomic revision of *Duboscia* (Malvaceae)* *Phytotaxa* 73: 17–30 (2012). DOI: 10.11646/phytotaxa.73.1.4

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    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:tap="http://rs.tdwg.org/tapir/1.0"
    xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:hyam="http://hyam.net/tapir2sw#"
    xmlns:dwc="http://rs.tdwg.org/dwc/terms/" xmlns:dwcc="http://rs.tdwg.org/dwc/curatorial/"
    xmlns:dc="http://purl.org/dc/terms/"
    xmlns:geo="http://www.w3.org/2003/01/geo/wgs84_pos#">
    <!--This is metadata about this metadata document-->
    <rdf:Description
      rdf:about="http://herbarium.bgbm.org/data/rdf/BW16684010">
      <dc:subject rdf:resource="http://herbarium.bgbm.org/object/BW16684010"></dc:subject>
    <dc:creator>Simple PHP RDF Script implemented by Felix Hilgerdenaar (BGBM)</dc:creator>
      <dc:created>2017-02-05T15:14:12+01:00</dc:created>
    </rdf:Description>
    <!--This is metadata about this specimen-->
    <rdf:Description rdf:about="http://herbarium.bgbm.org/object/BW16684010">
      <!-- Assertions made in simple Dublin Core -->
      <dc:title>Calendula arvensis</dc:title>
        <dc:description>A herbarium specimen of Calendula arvensis</dc:description>
        <dc:type>Specimen</dc:type>
    <dc:publisher>BGBM</dc:publisher>
      <!-- Assertions based on experimental version of Darwin Core -->
      <dwc:materialSampleID>http://herbarium.bgbm.org/object/BW16684010</dwc:materialSampleID>
      <dc:modified>2012-12-18 15:24:53.0170000</dc:modified>
      <dwc:basisOfRecord>Specimen</dwc:basisOfRecord> <dwc:collectionCode>B</dwc:collectionCode>
      <dwc:catalogNumber>B -W 16684 -01 0</dwc:catalogNumber>
      <dwc:scientificName>Calendula arvensis</dwc:scientificName>
      <dwc:previousIdentifications>Calendula arvensis</dwc:previousIdentifications>
      <dwc:family>COMPOSITAE</dwc:family>
      <dwc:genus>Calendula</dwc:genus>
      <dwc:specificEpithet>arvensis</dwc:specificEpithet>
    <dwc:locality>Unknown or unspecified Europe.</dwc:locality>
    <dwc:associatedMedia rdf:resource="http://ww2.bgbm.org/herbarium/images/B/-W/16/68/B_-W_16684 -01 0.jpg" />
    </rdf:Description>
  </rdf:RDF>
```

Machine readable



fi

Log in

EXPLORING AND DOCUMENTING DIVERSITY IN NATURE

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CETAF Stable Identifiers

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

There is also a poster summarising the development in a non-technical way (http://cetaf.org/sites/default/files/cetaf-istc_stable_identifiers_poste...).

News

NEW ACADEMIC COURSE ON COLLECTIONS IN MADRID

DIRECTORS OF CETAF MEMBERS SIGN CETAF STRATEGY EXECUTIVE SUMMARY

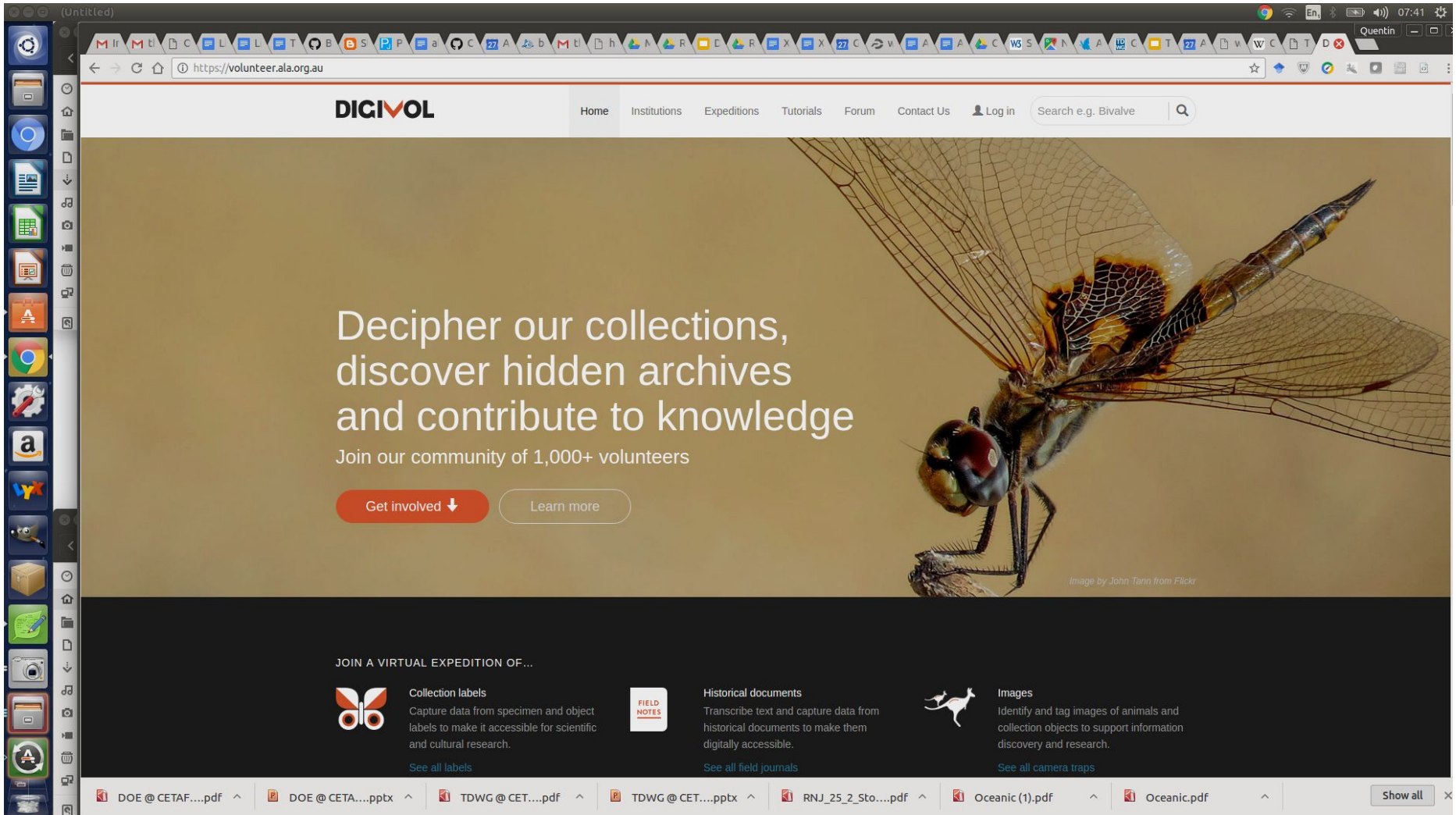
PARTNERING UP FOR DISTRIBUTED OPEN ACCESS TO BELGIAN COLLECTIONS

CETAF JOINS ENVRIplus AND BEERi

CETAF LAUNCHES UNIQUE ONLINE SERVICE TO DISCOVER TAXONOMIC RESOURCES

« Wednesday, February 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					



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Image by John Tann from Flickr

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- Citability
- Findability
- New research
- Reproducibility
- Speed
- Cheaper
- Accessible
- Better science!!!

The DOE! Team

- Sofie De Smedt
- Ann Bogaerts
- Piet Stoffelen
- Henry Engledow
- Marc Sosef
- Paul Van Wambeke
- Quentin Groom
- Steven Dessein



Thanks for listening