



BiodivERsA Citizen Science Event

Field Trip at Meise Botanic Garden



Meise Botanic Garden

One Garden many missions



**Meise
Botanic Garden**



Policy on Invasive species

The Convention on Biological Diversity

Target 9: By 2020, invasive alien species and pathways are identified and prioritized, priority species are controlled or eradicated and measures are in place to manage pathways to prevent their introduction and establishment

Regulation (EU) No 1143/2014 of the
EUROPEAN PARLIAMENT AND OF THE
COUNCIL

of 22 October 2014

On the prevention and management of the
introduction and spread of invasive alien species



BOUCHOUT DECLARATION

“The free and open use of digital resources about biodiversity and associated access services”

DO ALL THE
SCIENCE!



By <https://hyperboleandahalf.blogspot.com/>



OSFHOME

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Tracking Invasive Alien Species (TriAS) Wiki Analytics Registrations Contributors Add-ons Settings

Tracking Invasive Alien Species (TriAS)

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Wiki



With TriAS we aim to build an open data-driven framework to support policy on invasive species. Follow us on Twitter: [@triasproject](#)

File

Click on a storage provider or drag and drop to upload

Citation

Components

- Private documents
Deinet, Groom, Adrians & 30 more
Documents intended for TriAS content

Tags

- invasive species
- open data
- open science

Why GitHub? Enterprise Explore Marketplace Pricing Search Sign in Sign up

Tracking Invasive Alien Species (TriAS)

Building an open data-driven framework to support policy on invasive species

Belgium [https://trias-project.be](#)

Repositories 33 People 3

Grow your team on GitHub
 GitHub is home to over 31 million developers working together, join them to grow your own development teams, manage permissions, and collaborate on projects.

Sign up

Find a repository Type: All Language: All

natagora-alien-occurrences
 MIT Updated 1 day ago

occ-processing
 Occurrence processing

Top languages
 C# R

Most used topics
 gbif checklist dataset

The project

Automated
data
mobilization
framework

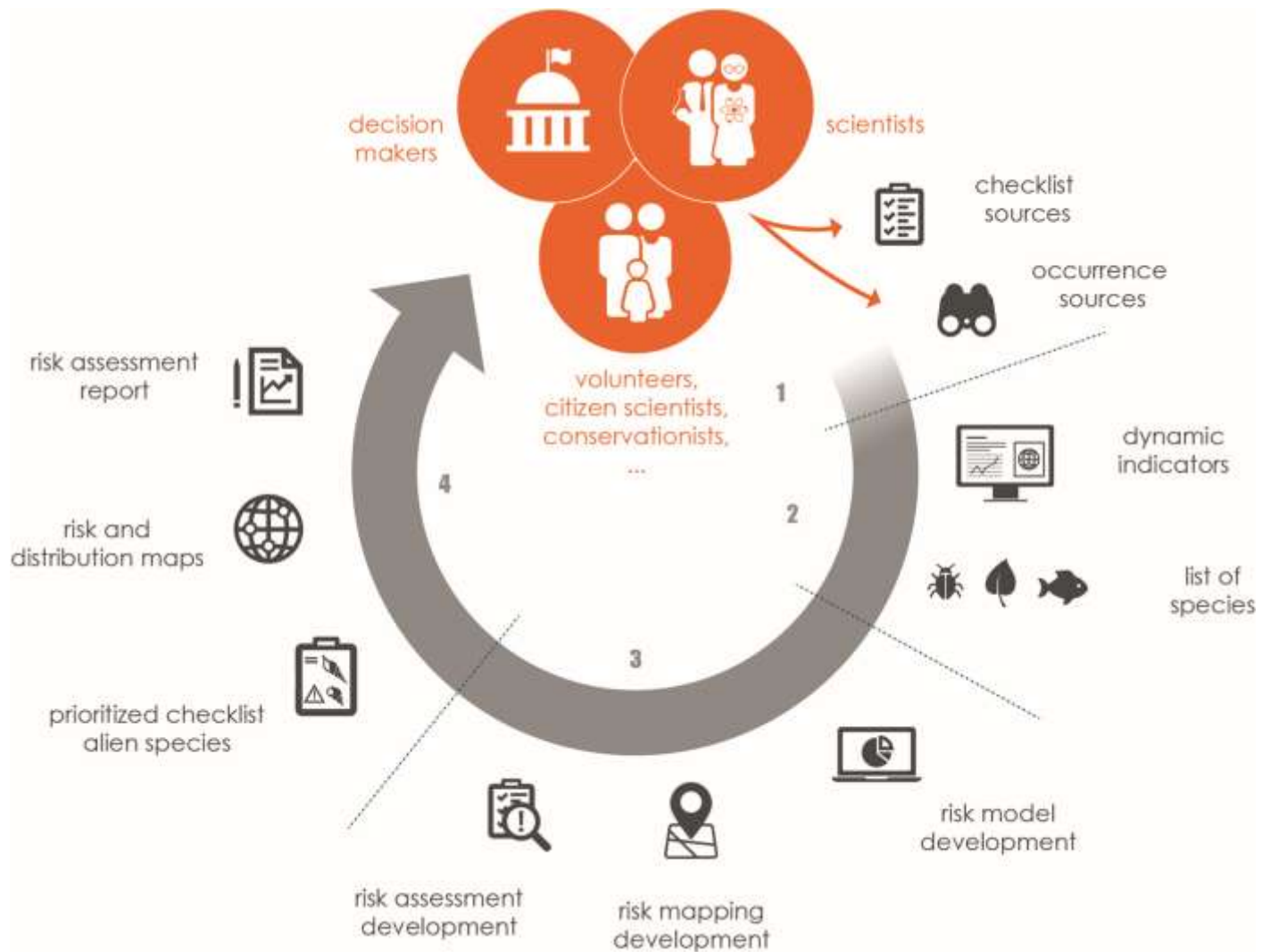
from diverse
data sources

Data driven
procedures for
risk evaluation

- Risk maps
- Risk assessments

Timely inform IAS
policy

- Regional
- Belgian
- EU





Recommendations

1. Default open for data, software and communication.
2. Support data infrastructure for biodiversity.
3. Strengthen communication.
4. Mutual understanding.
5. Support citizen science globally.



Raising Awareness about Invasive Plants

Groene
PIONIERs...

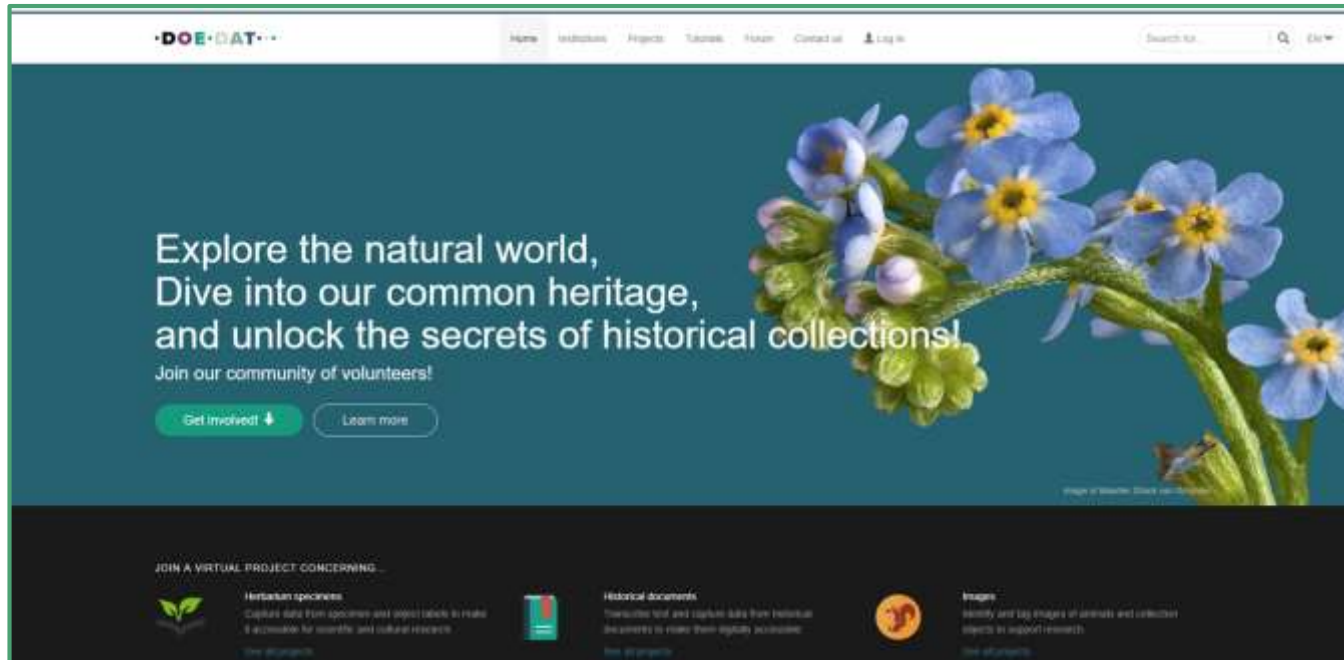


Young Pioneers

Visiteers



Online Pioneers



The screenshot shows the homepage of the DORIS-DAT website. At the top, there is a navigation bar with the logo 'DORIS-DAT' on the left and links for 'Home', 'Institutions', 'Projects', 'Tutorials', 'Help', 'Contact us', and 'Log in' on the right. A search bar is also present in the top right corner. The main content area has a dark teal background with a large, detailed image of a blue forget-me-not flower on the right side. The text on the left reads: 'Explore the natural world, Dive into our common heritage, and unlock the secrets of historical collections! Join our community of volunteers!'. Below this text are two buttons: 'Get involved' with a downward arrow and 'Learn more'. At the bottom of the page, there is a dark grey footer with the heading 'JOIN A VIRTUAL PROJECT CONCERNING...' and three project categories: 'Herbarium specimens', 'Historical documents', and 'Images', each with a small icon and a 'See all projects' link.

DORIS-DAT

Home Institutions Projects Tutorials Help Contact us Log in

Search for: [] []

Explore the natural world,
Dive into our common heritage,
and unlock the secrets of historical collections!
Join our community of volunteers!

[Get involved ↓](#) [Learn more](#)

Image of Heather Clark

JOIN A VIRTUAL PROJECT CONCERNING...

- Herbarium specimens**
Capture data from specimens and digitize them to make it accessible for scientific and cultural research.
[See all projects](#)
- Historical documents**
Transcribe text and capture data from historical documents to make them digitally accessible.
[See all projects](#)
- Images**
Identify and tag images of animals and collection objects to support research.
[See all projects](#)



Barcode: BR0000012494132
Taxon: *Nymphaeodes petala*

1. Identification Shrink

Scientific name as given *

Vernacular name

Uses

2. Collection data

Collector(s) as given *

Collector (standard) *

Collection number *

Collection date *
(from)
(to)

Habitat

Cultivated?

Plant description

3. Spatial data

Locality as given *

Altitude From to

IFDL grid cell

Coordinates as given

If the geographic coordinates do not appear on the label, find them using the mapping tool below

Mapping tool Mapping tool

Latitude

Longitude

Herbarium specimen label transcription

Panzi 2430 ~~2358~~ - 2265 - 2513
 Kikamba [E 17°39' S 7°13'] 2604
 route de Kahemba
 Swa Mutondo 2625 2632 - 2643 cf. Swa Mutombo E 17°45' S 7°01'
 10. Panzi [E 17°58' S 7°13'] 2507 - 2323 2632 → Nsoke
 route de Kahemba
 11. Kisungu [E 17°51' S 7°15'] 2163
 2500
 12. Ngombe ya Tumba [E 17°30' S 7°45']
 w. Kilaw
 13. Chato Francois-Joseph [E 17°17' S 7°34'] 2252

1. Document details

Collection number	Collection date	Locality	Coordinates
15. 2339-2212	Fevrier 1950	Imbela	E 17°08' S 5°53'
76.	Fevrier 1950	Lukuni	E 17°11
76.	Fevrier 1950	Kibubu	E 17°23
46. 2338	Fevrier 1950	Imbela	
7. 2354-2641-2282-2287	Fevrier 1950	Manzengele	E 17°38
67. 2350	Fevrier 1950	Panzi	
7. 2325-2292	Fevrier 1950	Kibubu	
8. 2199-2543-2489-2536-2446-2188	Fevrier 1950	Panzi	E 17°58
18. 2452-2179-2207	Fevrier 1950	Kisungu	E 17°51
18. 2505	Fevrier 1950	route de Kahemba	

Transcribing field notes and registers

•DOE-DAT•

Wild Meise, trail-camera 5 (13/11/2018 - 14/12/2018)
011218_cam5_thin_0869.JPG1 of 1,330  Tweet

Skip

Create forum topic

Tutorial



This image is particularly interesting – alert the DoeDat team


















Only record the animals visible in the central image. Move between images to better see what's coming in or going out.

1 2 3

Select the animals that are present in the image.

AI Small mammals Medium mammals Large mammals Reptiles Birds Other Filter

 roe deer (Capreolus...	 roabuck (Capreolus...	 fox (Vulpes vulpes)	 red fox (Vulpes vulpes)	 hare (Lepus...
 rabbit (Oryctolagus...	 beech marten...	 squirrel (Sciurus...	 hedgehog...	 brown rat (Rattus...
 bank vole (Myodes...	 wood mouse...	 male blackbird...	 female blackbird...	 song thrush (Turdus...

Next step >

Camera trap pictures



Bioblitz



1,905 Observations
496 Taxa
50 Observers
134 Identifiers



Increasing understanding of alien species
through citizen science

Working Groups

- Engaging people
- Approaches
- Data management and standards
- Analysis and visualisation
- Cross-cutting initiatives for IAS across Europe



Increasing understanding of alien species
through citizen science

Activities

- Workshops
- Short-term Scientific Missions
- Dissemination



Questions?

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eBird



<https://observations.be/>



Observations



Oxalis

Western Cape, South Africa



Filters

Western Cape

3,124

OBSERVATIONS

115

SPECIES

127

IDENTIFIERS

199

OBSERVERS



343 observations

CC

Oxalis obtusa

(Yelloweye Woodbrome)



287 observations

CC

Oxalis purpurea

(Purple Woodbrome)



180 observations

CC

Oxalis pes-caprae

(Bermuda Buttercup)



163 observations

CC

Oxalis luteola

(Golden Sorrel)



121 observations

CC

Oxalis flava

(Yellow Sorrel)



117 observations

CC

Oxalis polyphylla

72 observations

CC

Oxalis glabra

(Carpenter Sorrel)



71 observations

CC

Oxalis hirta

(Hairy Oxalis)



69 observations

CC

Oxalis heterophylla

65 observations

CC

Oxalis punctata



Observations



Species

Location

Go

Filters

The World

3,614

OBSERVATIONS

—

SPECIES

626

IDENTIFIERS

1

OBSERVERS

**Order Lepidoptera**

(Butterflies and Moths)

**Order Araneae**

(Spiders)

**Superfamily Muroidea**

(Mites)

***Veronica filiformis***

(Slender Speedwell)



4 Projects

Terms & Rules | Edit Project

Botanic Garden Meise

[Add Observations to This Project](#)

Stats

Totals

588

Observations [x](#)

330

Species [x](#)

5

People [x](#)

Most Observations

	igroon 383 observations
	wadirkoch 183 observations
	albertgrotho 93 observations
	patenkornst 4 observations
	stubb 3 observations

Most Species

	igroon 292 species
	wadirkoch 98 species
	albertgrotho 47 species
	patenkornst 2 species
	stubb 1 species

Most Observed Species

	Egyptian Goose 11 observations
	Graylag Goose 11 observations
	Western Roe Deer 10 observations
	Wood Anemone 10 observations
	European Cuck 9 observations

Map Satellite

Members 11 members

[View All Members](#)

Your Membership 182 observations

Add from Your Observations
[Download template for use in the bulk uploader](#)

Export Observations
Open / [CSV](#)

Usage stats

Project Curator Tools

- [Find Suitable Observations](#)
- [Find Unsuitable Observations](#)
- [Export with Hidden Coordinates](#)

Observations

The World

100
OBSERVATIONS

73
SPECIES

51
IDENTIFIERS

3
OBSERVERS



7 observations



Harmonia axyridis
(Asian Lady Beetle)



4 observations



Aglais io
(European Peacock Butterfly)



3 observations



Favarge aegeria
(Smocked Wood)



3 observations



Bombus lucorum
(White-tailed Bumble Bee)



2 observations



Vanessa atalanta
(Red Admiral)



2 observations



Coccinella septempunctata
(Seven-spotted Lady Beetle)



2 observations



Symptetrus striolatus
(Common Darter)



2 observations



Polyommatus icarus
(Common Blue)



2 observations



Eristalis tenax
(Common Drone Fly)



2 observations



Bombus terrestris
(Buff-tailed Bumble Bee)



Identify

Q Search

 Thaps plicata Medick Podside <input type="button" value="Agree"/>	 Chaetocarpus lewisii Lantern's Cigarette <input type="button" value="Agree"/>	 Genus Ficaria <input type="button" value="Agree"/>	 Anemone nemorosa Wood Anemone <input type="button" value="Agree"/>	 Genus Chrysanthemum <input type="button" value="Agree"/>	 Lambium pulchellum Fox Glove/Cat's <input type="button" value="Agree"/>	 Helleborus viridis Stinking Hellebore <input type="button" value="Agree"/>	 Subfamily Boraginaceae <input type="button" value="Agree"/>	 Cirsium vulgare Rud. Thistle <input type="button" value="Agree"/>
 Genus Primula Prim., Primrose, and Alys. <input type="button" value="Agree"/>	 Ficaria verna Giant Colchicum <input type="button" value="Agree"/>	 Cardamine pratensis Cauliflower <input type="button" value="Agree"/>	 Cardamine hirsuta Nasty Mustard <input type="button" value="Agree"/>	 Euphorbia helioscopia Sun Spurge <input type="button" value="Agree"/>	 Lathyrus clandestinus Purple Sweetheart <input type="button" value="Agree"/>	 Equisetum telmateia Great Horsetail <input type="button" value="Agree"/>	 Genus Symphytum Comfrey <input type="button" value="Agree"/>	 Senecio vulgaris Common Groundsel <input type="button" value="Agree"/>
 Petasites hybridus Buttercup <input type="button" value="Agree"/>	 Genus Corydalis <input type="button" value="Agree"/>	 Corydalis solida Red or a Herb <input type="button" value="Agree"/>	 Sisymbrium officinalis Wild Mustard <input type="button" value="Agree"/>	 Ficaria japonica Japanese Endemite <input type="button" value="Agree"/>	 Cardamine hirsuta Nasty Mustard <input type="button" value="Agree"/>	 Genus Anemone Anemone <input type="button" value="Agree"/>	 Geranium pusillum Small Stained Crane's B. <input type="button" value="Agree"/>	 Genus Moracraea Crisp Hyacinth <input type="button" value="Agree"/>

98 observations reviewed

Top Identifiers

Rank	Identifier	Count
1	bobwardell	1,218
2	figns	798
3	jkblin	760
4	petrowjessica	710
5	agroom	642
6	jennemal	556
7	ksl_schabowski	375
8	aricbe	325
9	oraphu	314
10	spectrum	306

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