



iNaturalist meets IrisBG, Index Seminum, and citizen science



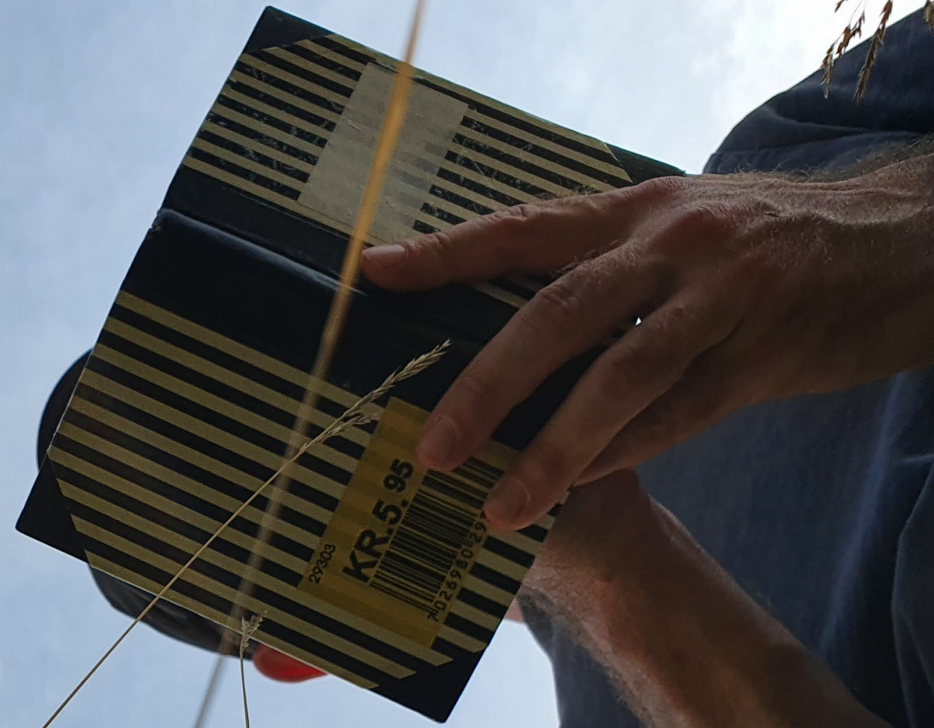
Bergen University Gardens

Michael Pirie Michael.Pirie@uib.no
Heidi Lie Andersen Heidi.Andersen@uib.no
Bergen University Gardens, UiB, Norway

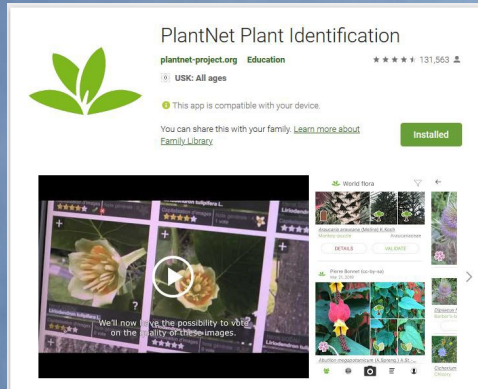


Presentation available at <https://doi.org/10.6084/m9.figshare.25392286>

Data entry – beyond the pencil/notepad and Excel spreadsheet



Data entry – beyond the pencil/notepad and Excel spreadsheet



PlantNet Plant Identification
plantnet-project.org Education ★★★★★ 131,563
USK: All ages

This app is compatible with your device.
You can share this with your family. [Learn more about Family Library](#) **Installed**

World flora

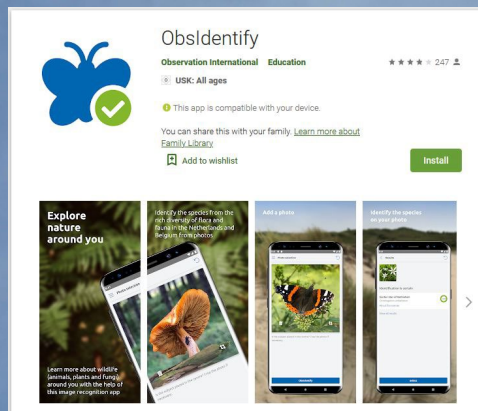
We'll now have the possibility to identify these mosses.



Flora Incognita - automated plant identification
Technische Universität Ilmenau Education ★★★★★ 9,151
USK: All ages

This app is compatible with your device.
You can share this with your family. [Learn more about Family Library](#) **Install**

Do you know them all?

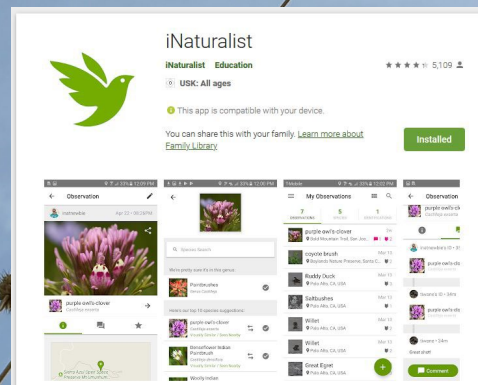


ObsIdentify
Observation International Education ★★★★★ 247
USK: All ages

This app is compatible with your device.
You can share this with your family. [Learn more about Family Library](#) **Install**

Explore nature around you

Identify the species from the photo using AI and the help of the native flora and fauna experts.

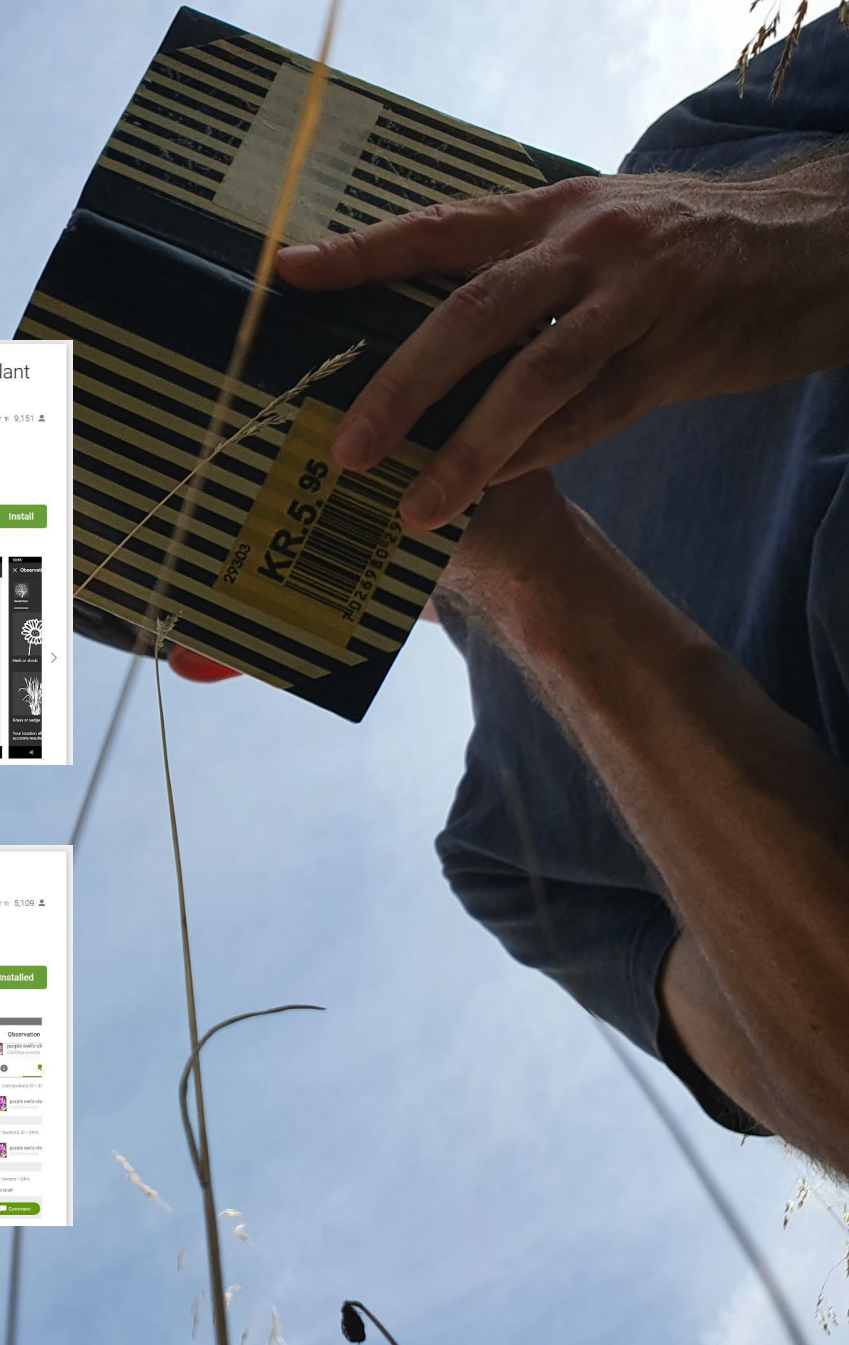


iNaturalist
iNaturalist Education ★★★★★ 5,109
USK: All ages

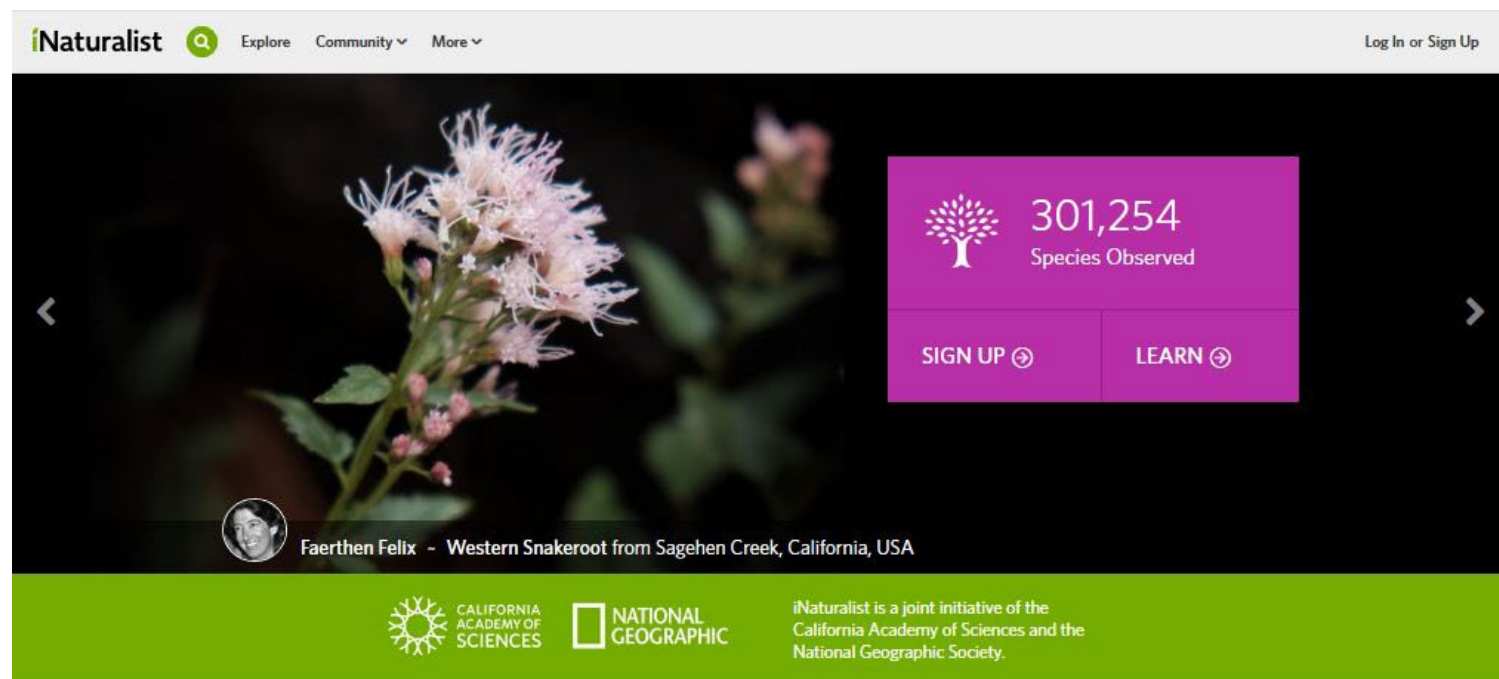
This app is compatible with your device.
You can share this with your family. [Learn more about Family Library](#) **Installed**

Observation

My Observations



An example: iNaturalist <http://www.inaturalist.org>



How It Works



Euonymus verrucosus (Warty-barked Spindle) Research Grade



mikepirie
1,181 observations

Observed: Sep 1, 2019 - 5:36 PM CEST Submitted: Sep 2, 2019 - 1:12 AM CEST

Map Satellite

Rastišće, Serbia

Date/time, geolocality with place name

Names from database; collaborative identification

Activity

mikepirie suggested an ID Improving 4mo

Euonymus verrucosus
Warty-barked Spindle

wojciech suggested an ID 3mo

Euonymus verrucosus
Warty-barked Spindle

Community Taxon

Euonymus verrucosus (Warty-barked Spindle)

Cumulative IDs: 2 of 2

0 2/3rds 2

Agree Compare About

Annotations

Attribute	Value	Agree	Disagree
Plant Phenology	Select -		
Sex	Select -		

Projects (3)

Add to a Project

- Bergen University Gardens
- Bergen University Gardens Serbia trip 2019
- Bergen IrisBG export Observation Fields

Tags (2)

Add Tag

Euonymus verrucosus HLA266

Tag with useful metadata

Observation Fields (3)

associatedCollectorsSymbiota:
Pirie, M.D.; Moe, B.; Golubovic, M.; Lazarević, P.; Zlatković, B.

recordNumberdwc:
266

recordedBySymbiota:
Andersen, H.L.

Choose a field

Extendable data entry (DarwinCore)

✔ Data Quality Assessment ⓘ

Quality Grade: **Research**

The Data Quality Assessment is an evaluation of an observation's accuracy. Research Grade observations may be used by scientists for research. Cast your vote below:

Research Grade Qualification	Yes	No
Date specified	✔	
Location specified	✔	
Has Photos or Sounds	✔	
Has ID supported by two or more	✔	
Date is accurate	✔	
Location is accurate	✔	
Organism is wild	✔	
Evidence of organism	✔	
Recent evidence of an organism	✔	
Community Taxon at species level or lower	✔	
Based on the evidence, can the Community Taxon still be confirmed or improved?		
<input type="checkbox"/> Yes	<input type="checkbox"/> No, it's as good as it can be	

Inappropriate content? [Flag As Inappropriate](#)



This observation is Research Grade! It can now be used for research and featured on other websites.

This observation is featured on 1 site

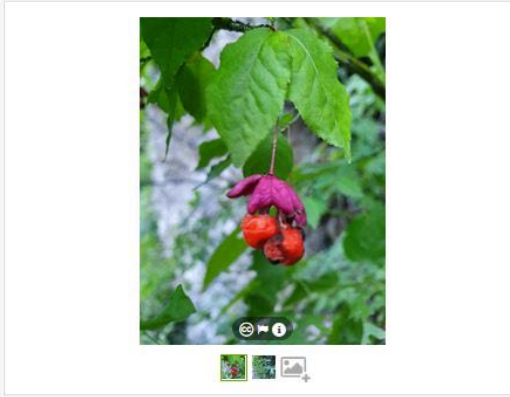


Open science!

The screenshot shows a GBIF observation page for *Euonymus verrucosus* Scop. The page includes a map of the Balkan region with a location pin in Serbia, near Montenegro. Below the map are two photographs of the plant: one showing the green foliage and another showing a cluster of bright red berries. The page also displays the species name, date (1 SEPTEMBER 2019), and creator information (Michael D. Pyle).

Euonymus verrucosus (Warty-barked Spindle) Research Grade

Edit



mikepirie
1,181 observations

Observed: Sep 1, 2019 - 5:36 PM CEST
Submitted: Sep 2, 2019 - 1:12 AM CEST



Be the first to love this observation!

Activity

mikepirie suggested an ID Improving 4mo
Euonymus verrucosus
Warty-barked Spindle

wojciech suggested an ID 3mo
Euonymus verrucosus
Warty-barked Spindle

Comment: Suggest an Identification
Leave a comment

Done Mark As Reviewed

Community Taxon What's this?

Euonymus verrucosus (Warty-barked Spindle)
Cumulative IDs: 2 of 2
0 2/3rds 2
Agree Compare About

Annotations

Attribute	Value	Agree	Disagree
Plant Phenology	Select		
Sex	Select		

Projects (3)
Add to a Project
Bergen University Gardens
Bergen University Gardens Serbia trip 2019
Bergen IrisBG export
Observation Fields

Tags (2)
Add Tag
Euonymus verrucosus HLA266

Observation Fields (3)
associatedCollectorsSymbiota:
Pirie, M.D.; Moe, B.; Golubovic, M.; Lazarević, P.; Zlatković, B.
recordNumberdwc:
266
recordedBySymbiota:
Andersen, H.L.
Choose a field

Add to customizable sub-projects

Projects: collections of observations, such as:

- Bergen University Gardens staff

iNaturalist Search [x] Explore Your Observations Community Identify More Upload 0 3

Bergen University Gardens

About Members 8





Observations and collections of plants and fungi made by current and past staff members of the Bergen University Gardens, and Natural History Department of the Bergen University Museum, Norway.



















Read More > Your Membership

Edit Project Project Journal

Overview **12,464** OBSERVATIONS **3,101** SPECIES **1,041** IDENTIFIERS **8** OBSERVERS Stats

Recent Observations View All

 <i>Lonicera involucrata</i> Twinberry Honeysuckle 1 6d	 <i>Sambucus racemosa</i> Red-berried Elder 1 6d	 <i>Sambucus nigra</i> European Black Elderberry 2 6d	 <i>Pseudevernia furfuracea</i> Tree Moss 2 12d
---	---	---	---

Most Observations		Most Species		Most Observed Species	
 1st mikepirie	2,399	 1st mikepirie	1,103		103
	2,293		1,101		87
	2,117		1,090		63
	1,925		820		59
	1,731		754		57
	1,067		646		56

View All View Yours View All View Yours View All View Yours



Projects: collections of observations, such as:


- Bergen University Gardens staff

Project Requirements →

Observations in this project must meet the following criteria:

🌿 Taxa	Kingdom Fungi (Fungi Including Lichens) Kingdom Plantae (Plants)
📍 Location	Worldwide
👤 Users	beritgehrke bjoernmoe evakleffgard heidilieandersen1 mikepirie nannie stine_elin_helmers_ovrebo torsten
📁 Projects	Any
🌱 Quality Grade	Research Grade, Needs ID
📷 Media Type	Any
📅 Date	Any
📍 Establishment	Any

Stats →




12,464
Observations

- Research Grade
- Needs ID
- Casual

Journal →

No journal posts yet

Map of Observations



Map

Satellite

Keyboard shortcuts

Map data ©2024 Imagery ©2024 NASA, TerraMetrics

1000 km

Terms

Projects: collections of observations, such as:

- Bergen University Gardens staff
- Field trips, research projects, local initiatives («Bioblitz»)



Bergen University Gardens Serbia trip 2019
AUG 25, 2019 - SEP 3, 2019

About Members 5


Observations and collections made during a field excursion to Western and Eastern Serbia, August/September 2019. A group from the Bergen University Gardens: Heidi Lie Andersen; Michael Pirie; Bjørn Moe; Mladen Golubovic were joined by Predrag Lazarević (coordinator of research at the Institute of Botany and Botanical

[Read More >](#)

[Edit Project](#) NEWS

Overview **327** OBSERVATIONS **252** SPECIES **33** IDENTIFIERS **3** OBSERVERS [Stats](#)

Recent Observations [View All](#)

 <p><i>Amelanchier ovalis</i> Snowy Mespilus</p> <p>1 4mo</p>	 <p><i>Acanthus hungaricus</i></p> <p>4mo</p>	 <p><i>Artemisia alba</i></p> <p>4mo</p>	 <p><i>Selaginella helvetica</i> Swiss Clubmoss</p> <p>4mo</p>
--	---	---	---

Most Observations

1st mikepirie 325

	bjoernmoe	1
	heidilieandersen1	1

[View All](#) [View Yours](#)

Most Species

1st mikepirie 247

	bjoernmoe	1
	heidilieandersen1	1

[View All](#) [View Yours](#)

Most Observed Species

 *Erica carnea* 6

	<i>Pinus nigra</i>	4
	<i>Rosa pendulina</i>	4
	<i>Scabiosa columbaria</i>	3
	<i>Salvia glutinosa</i>	3
	<i>Campanula patula</i>	3

[View All](#) [View Yours](#)

**Projects:
collections of
observations,
such as:**

- Bergen University Gardens staff
- Field trips, research projects, local initiatives («Bioblitz»)

Bergen University Gardens Serbia trip 2019
AUG 25, 2019 - SEP 3, 2019

About Members 5

Observations and collections made during a field excursion to Western and Eastern Serbia, August/September 2019. A group from the Bergen University Gardens: Heidi Lie Andersen; Michael Pirie; Bjørn Moe; Mladen Golubovic were joined by Predrag Lazarević (coordinator of research at the Institute of Botany and Botanical

[Read More >](#)

[Edit Project](#) NEWS

Overview **327** OBSERVATIONS **252** SPECIES **33** IDENTIFIERS **3** OBSERVERS [Stats](#)

iNaturalist Search Explore Your Observations Community Identify More [Upload](#) 0 3

Bergen University Gardens Serbia trip 2019
AUG 25, 2019 - SEP 3, 2019

About Members 5

Observations and collections made during a field excursion to Western and Eastern Serbia, August/September 2019. A group from the Bergen University Gardens: Heidi Lie Andersen; Michael Pirie; Bjørn Moe; Mladen Golubovic were joined by Predrag Lazarević (coordinator of research at the Institute of Botany and Botanical

[Read More >](#) [Your Membership](#)

[Edit Project](#) [Project Journal](#)

Overview **327** OBSERVATIONS **249** SPECIES **78** IDENTIFIERS **3** OBSERVERS [Stats](#)

2024

Projects: collections of observations, such as:

- Bergen University Gardens staff
- Field trips, research projects, local initiatives («Bioblitz»)
- Citizen science data collection



About Leave 60

A collection of Ericas in southern Africa.

Erica is the largest genus in the Cape Flora by far. With almost 800 taxa (680 species) it is over double Aspalathus at number 2 (with 273 species). It is also the only genus





[Read More >](#) [Your Membership](#)
















[Edit Project](#) [Project Journal](#)

Ericas of Southern Africa

Overview **84,246** OBSERVATIONS **674** SPECIES **1,064** IDENTIFIERS **3,956** OBSERVERS [Stats](#)

Recent Observations [View All](#)

 <p><i>Erica ericoides</i> Heathlike Heath 1 12d</p>	 <p><i>Erica plukenetii</i> Hangertjies 1 19d</p>	 <p>Genus <i>Erica</i> Heaths 1 21d</p>	 <p><i>Erica viscaria</i> ssp. <i>longifolia</i> Longleaf Heath 1 3mo</p>
---	---	--	--

Most Observations	Most Species	Most Observed Species
 <p>1st tonyrebelo 10,189</p>	 <p>1st ren_hoekstra 355</p>	 <p><i>Erica plukenetii</i> 4,355</p>
 <p>nicky 1,682</p>	 <p>botaneek 343</p>	 <p><i>Erica cerinthoides</i> 3,191</p>
 <p>ren_hoekstra 1,660</p>	 <p>tonyrebelo 322</p>	 <p><i>Erica abietina</i> 2,447</p>
 <p>linkie 1,520</p>	 <p>linkie 254</p>	 <p><i>Erica coccinea</i> 2,385</p>
 <p>erickmunro 1,297</p>	 <p>mikepirie 231</p>	 <p><i>Erica discolor</i> 2,384</p>

Projects: collections of observations, such as:

- Bergen University Gardens staff
- Field trips, research projects, local initiatives («Bioblitz»)
- Citizen science data collection

[← Back to Ericas of Southern Africa](#)

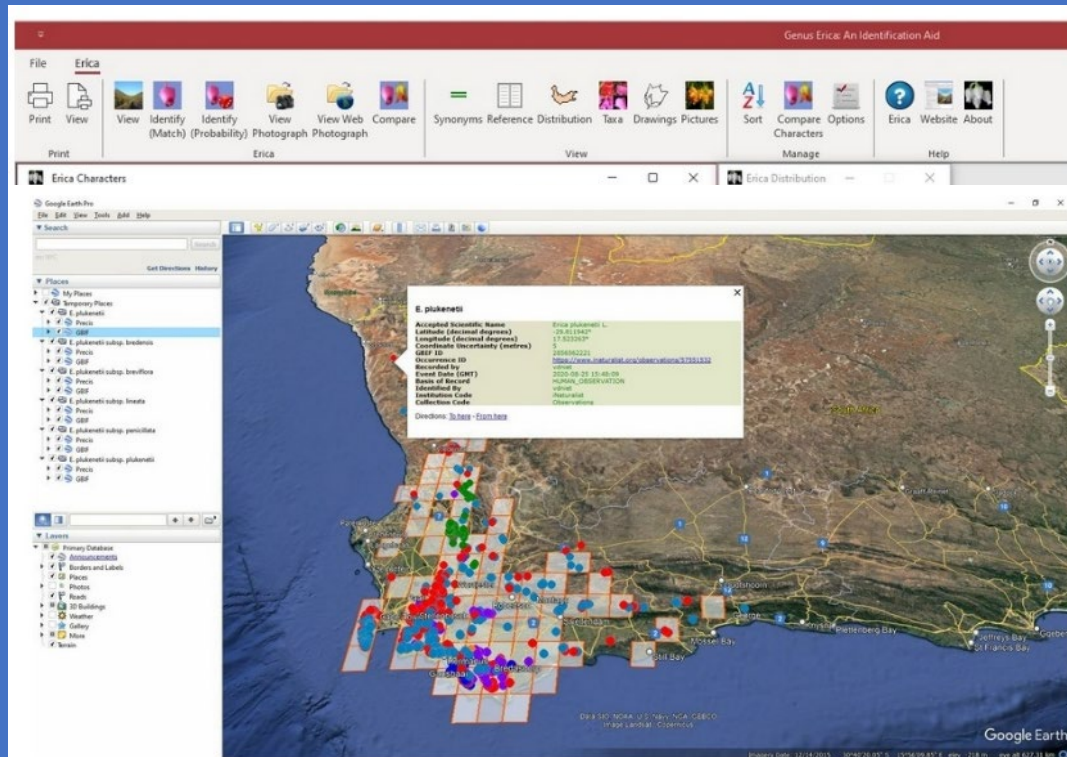
Ericas of Southern Africa's Journal

New Post

February 8, 2024

[Erica Identification Aid v.4.00 available - and needs your help!](#)

There is a new version 4.00 of the Erica Identification aid, now freely available for windows PCs at <https://zenodo.org/doi/10.5281/zenodo.10407033>.



New Google Earth distribution summary (showing all the Erica plukenetii subspecies and details for a selected locality).

Posted on February 8, 2024 10:59 AM by [mikepie](#) | 5 comments | [Leave a comment](#)



Projects: collections of observations, such as:

- Bergen University Gardens staff
- Field trips, research projects, local initiatives («Bioblitz»)
- Seed collections, living specimens, herbarium vouchers

« Projects Terms & Rules | Edit Project

Bergen IrisBG export

Stats

Totals	Most Observations	Most Species	Most Observed Species
700 Observations »	mikepirie 476 observations	mikepirie 327 species	Hangertjes 21 observations
441 Species »	bjoermoe 109 observations	bjoermoe 80 species	Pinesap 7 observations
7 People »	beritgehrke 57 observations	beritgehrke 56 species	Eight-stamened Waterwort 7 observations
	torsten 35 observations	torsten 33 species	European Ash 6 observations
	heidilieandersen1 12 observations	heidilieandersen1 10 species	Common Agrimony 5 observations

Map Satellite

Members 7 members
View All Members »

Your Membership 476 observations

Export Observations Atom / CSV

Usage stats

Project Curator Tools

- » Find Suitable Observations
- » Find Unsuitable Observations
- » Export with Hidden Coordinates
- » Filter by Curator Identification
- » Identify Observations
- » New Journal Post
- » Invite people

Journal

Your project journal is a tool for communicating with project members. You can use it to make announcements, set priorities, or talk about your project's findings.

To get started, [create a post](#) »

About

mikepirie created this project on September 3, 2019
Is this inappropriate, spam, or offensive? [Add a Flag](#)

Data export (over to Heidi!)

3 Choose columns

Choose the columns you want to export

Basic (All | None)

<input type="checkbox"/> id	<input type="checkbox"/> observed_on_string	<input checked="" type="checkbox"/> observed_on	<input type="checkbox"/> time_observed_at
<input type="checkbox"/> time_zone	<input type="checkbox"/> user_id	<input type="checkbox"/> user_login	<input type="checkbox"/> user_name
<input type="checkbox"/> created_at	<input type="checkbox"/> updated_at	<input type="checkbox"/> quality_grade	<input type="checkbox"/> license
<input checked="" type="checkbox"/> url	<input type="checkbox"/> image_url	<input type="checkbox"/> sound_url	<input checked="" type="checkbox"/> tag_list
<input type="checkbox"/> description	<input type="checkbox"/> num_identification_agreements	<input type="checkbox"/> num_identification_disagreements	<input type="checkbox"/> captive_cultivated
<input type="checkbox"/> oauth_application_id			

Geo (All | None)

Town, county, state, country fields based on coordinates. Analogous administrative levels will be used for observations where these place types do not apply. The private_* fields will only be included when using the user filter and you are the user, or when using the project filter and you curate the project.

<input type="checkbox"/> place_guess	<input checked="" type="checkbox"/> latitude	<input checked="" type="checkbox"/> longitude	<input checked="" type="checkbox"/> positional_accuracy
<input type="checkbox"/> private_place_guess	<input type="checkbox"/> private_latitude	<input type="checkbox"/> private_longitude	<input type="checkbox"/> public_positional_accuracy
<input type="checkbox"/> geoprivacy	<input type="checkbox"/> taxon_geoprivacy	<input type="checkbox"/> coordinates_obscured	<input type="checkbox"/> positioning_method
<input type="checkbox"/> positioning_device	<input type="checkbox"/> place_town_name	<input type="checkbox"/> place_county_name	<input type="checkbox"/> place_state_name
<input checked="" type="checkbox"/> place_country_name	<input checked="" type="checkbox"/> place_admin1_name	<input checked="" type="checkbox"/> place_admin2_name	

Taxon (All | None)

<input type="checkbox"/> species_guess	<input checked="" type="checkbox"/> scientific_name	<input type="checkbox"/> common_name	<input type="checkbox"/> iconic_taxon_name
<input type="checkbox"/> taxon_id			

Taxon Extras (All | None)

Note: these columns will slow down the generation of your export

<input type="checkbox"/> taxon_kingdom_name	<input type="checkbox"/> taxon_phylum_name	<input type="checkbox"/> taxon_subphylum_name	<input type="checkbox"/> taxon_superclass_name
<input type="checkbox"/> taxon_class_name	<input type="checkbox"/> taxon_subclass_name	<input type="checkbox"/> taxon_superorder_name	<input type="checkbox"/> taxon_order_name
<input type="checkbox"/> taxon_suborder_name	<input type="checkbox"/> taxon_superfamily_name	<input type="checkbox"/> taxon_family_name	<input type="checkbox"/> taxon_subfamily_name
<input type="checkbox"/> taxon_supertribe_name	<input type="checkbox"/> taxon_tribe_name	<input type="checkbox"/> taxon_subtribe_name	<input type="checkbox"/> taxon_genus_name
<input type="checkbox"/> taxon_genushybrid_name	<input type="checkbox"/> taxon_species_name	<input type="checkbox"/> taxon_hybrid_name	<input type="checkbox"/> taxon_subspecies_name
<input checked="" type="checkbox"/> taxon_variety_name	<input checked="" type="checkbox"/> taxon_form_name		

Observation Fields (All | None)

<input checked="" type="checkbox"/> field:recordedbysymbiota	<input checked="" type="checkbox"/> field:recordnumberdwc	<input checked="" type="checkbox"/> field:institutioncodedwc	<input checked="" type="checkbox"/> field:associatedcollectorssymbiota
<input checked="" type="checkbox"/> field:altitude (m)	<input checked="" type="checkbox"/> field:dwc:individualcount	<input checked="" type="checkbox"/> field:dwc:samplesizevalue	<input checked="" type="checkbox"/> field:dwc:samplesizeunit

These are the columns you need:

- Observed on (date)
- URL (iNat)
- tag_list
- latitude
- longitude
- positional accuracy
- place_country_name
- place_admin1_name (county)
- place_admin2_name (municipality)
- scientific_name
- [species_guess if you want to stick with your own determination]
- taxon_variety_name
- taxon_form_name
- ALL observation fields [fields defined by us]

Report from iNaturalist

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	observed_on	url	tag_list	latitude	longitude	positional_accuracy	place_country_name	place_admin1_name	place_admin2_name	scientific_name	field:recordedbysymbiota	field:associatedcollectorbysymbiota	Combined	field:altitude (m)
2	01/07/2021	https://www.naturalist.org/observations/85259949	RedListNO	61.859663333	8.925625		Norway	Oppland	Lom	Vågå	Veronica verna	Moe, B.	Moe, B.	440
3	03/07/2021	https://www.naturalist.org/observations/85499776	RedListNO	62.087352833	9.1664471667		Norway	Oppland	Lom	Dovre	Eriophorum brachyantherum	Moe, B.	Moe, B.	810
4	06/07/2021	https://www.naturalist.org/observations/85932551	RedListNO	61.767713333	8.4051716667		Norway	Oppland	Lom	Mysotis stricta	Moe, B.	Moe, B.	410	
5	06/07/2021	https://www.naturalist.org/observations/85828207	RedListNO	61.767713333	8.404896		Norway	Oppland	Lom	Veronica verna	Moe, B.	Moe, B.	520	
6	03/09/2021	https://www.naturalist.org/observations/93472091	IS	61.560330796	7.972528384	4	Norway	Oppland	Lom	Carex rufoa	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1420
7	03/09/2021	https://www.naturalist.org/observations/93477048	IS	61.680696304	8.072578419		Norway	Oppland	Lom	Braya linearis	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1000
8	03/09/2021	https://www.naturalist.org/observations/93477344	IS	61.6417486727	8.0606868491	6	Norway	Oppland	Lom	Silene acaulis	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1000
9	03/09/2021	https://www.naturalist.org/observations/93477449	IS	61.641614265	8.0599049851	32	Norway	Oppland	Lom	Aconitum septentrionale	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1000
10	03/09/2021	https://www.naturalist.org/observations/93482440	IS, RedListNO	61.6549722359	8.11713662	8	Norway	Oppland	Lom	Cypripedium calceolus	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1010
11	03/09/2021	https://www.naturalist.org/observations/93482678	IS	61.654682045	8.117415905	16	Norway	Oppland	Lom	Saussurea alpina	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	990
12	03/09/2021	https://www.naturalist.org/observations/93483999	IS	61.6458120008	8.1040330814	24	Norway	Oppland	Lom	Oxytropis lapponica	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	970
13	03/09/2021	https://www.naturalist.org/observations/93484839	IS	61.6457725119	8.1040169299	8	Norway	Oppland	Lom	Gentianella amarella	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1000
14	03/09/2021	https://www.naturalist.org/observations/93486448	IS	61.6460070564	8.1044122204	9	Norway	Oppland	Lom	Rhododendron lapponicum	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	990
15	04/09/2021	https://www.naturalist.org/observations/93563013	IS	61.7625104001	8.4117414057	12	Norway	Oppland	Lom	Arabisopis lyrata petraea	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	530
16	04/09/2021	https://www.naturalist.org/observations/93563079	RedListNO	61.7623947598	8.4120230377	8	Norway	Oppland	Lom	Mycricaria germanica	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	540
17	04/09/2021	https://www.naturalist.org/observations/93569011	RedListNO	61.8041961405	9.0188905969	6	Norway	Oppland	Lom	Carex helonastae	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	860
18	04/09/2021	https://www.naturalist.org/observations/93576480	RedListNO	61.9375722562	8.8623578846	12	Norway	Oppland	Lom	Aretophylla uvula	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	830
19	04/09/2021	https://www.naturalist.org/observations/93577190	IS	61.9386946071	8.8614495669	8	Norway	Oppland	Lom	Arostaphylos uvula-usuri	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	850
20	04/09/2021	https://www.naturalist.org/observations/93584742	RedListNO	61.8845233749	9.0726545183	8	Norway	Oppland	Vågå	Hocystaphylos niger	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	520
21	04/09/2021	https://www.naturalist.org/observations/93584922	RedListNO	61.8845873644	9.0728120506	6	Norway	Oppland	Vågå	Asperugo procumbens	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	530
22	04/09/2021	https://www.naturalist.org/observations/93585130	RedListNO	61.8845682466	9.0728073567	6	Norway	Oppland	Vågå	Lappula squarrosa	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	530
23	04/09/2021	https://www.naturalist.org/observations/93588736	RedListNO	61.8679337348	9.0411609784	8	Norway	Oppland	Vågå	Catabrosa aquatica	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	550
24	04/09/2021	https://www.naturalist.org/observations/93595218	RedListNO	61.868065577	9.048233293	6	Norway	Oppland	Vågå	Hicaria deflexa	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	560
25	05/09/2021	https://www.naturalist.org/observations/93690501	IS	62.0241137939	8.9442953467	6	Norway	Oppland	Lesja	Omalotheca supina	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1290
26	05/09/2021	https://www.naturalist.org/observations/93691504	IS	62.0228781929	8.937731646	12	Norway	Oppland	Lesja	Harrimannella hypnoides	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1370
27	05/09/2021	https://www.naturalist.org/observations/93692901	IS	62.0230554519	8.9328895882	8	Norway	Oppland	Lesja	Diapensia lapponica	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1445
28	05/09/2021	https://www.naturalist.org/observations/93694237	IS	62.0228459495	8.9374956116	12	Norway	Oppland	Lesja	Silene acaulis	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1370
29	05/09/2021	https://www.naturalist.org/observations/93694545	RedListNO	62.0237507941	8.9287308231	6	Norway	Oppland	Lesja	Carex fuliginea	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1500
30	05/09/2021	https://www.naturalist.org/observations/93695415	RedListNO	62.023791215	8.9286252111	6	Norway	Oppland	Lesja	Knautia islandica	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1500
31	05/09/2021	https://www.naturalist.org/observations/93707928	RedListNO	62.0276988921	8.9189615473	4	Norway	Oppland	Lesja	Micranthes hieracifolia	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1570
32	05/09/2021	https://www.naturalist.org/observations/93709745	RedListNO	62.0277323884	8.9198027863	6	Norway	Oppland	Lesja	Micranthes foliolosa	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1570
33	05/09/2021	https://www.naturalist.org/observations/93712811	RedListNO	62.027207235	8.9198161662	12	Norway	Oppland	Lesja	Sagina caespitosa	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1590
34	05/09/2021	https://www.naturalist.org/observations/93713248	RedListNO	62.0272319852	8.9197561517	8	Norway	Oppland	Lesja	Saxifraga caespitosa	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1600
35	05/09/2021	https://www.naturalist.org/observations/93717059	RedListNO	62.0281319817	8.9231250603	6	Norway	Oppland	Lesja	Ranunculus glacialis	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1600
36	05/09/2021	https://www.naturalist.org/observations/93719536	RedListNO	62.0286688531	8.9274128526	8	Norway	Oppland	Lesja	Antennaria alpina	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1590
37	05/09/2021	https://www.naturalist.org/observations/93727600	IS	62.0441099953	8.9632374421	6	Norway	Oppland	Lesja	Phyllocladus caerulea	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1180
38	05/09/2021	https://www.naturalist.org/observations/93730501	RedListNO	62.0439160412	8.9573340959	4	Norway	Oppland	Lesja	Carex parallela	Moe, B.	Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1220
39	06/09/2021	https://www.naturalist.org/observations/93831030	RedListNO	61.7722120044	9.5136149973	8	Norway	Oppland	Sel	Deschampsia caespitosa	Moe, B., Eriksson, L.T.; Helmers Øvrebø, S.-E.; Pirie, M.D.	Eriksson, L.T.; Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Eriksson, L.T.; Helmers Øvrebø, S.-E.; Pirie, M.D.	330
40	06/09/2021	https://www.naturalist.org/observations/93840263	RedListNO	61.5522962996	9.96179427	6	Norway	Oppland	Sar-Fron	Pleuro phleoides	Moe, B.	Eriksson, L.T.; Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Eriksson, L.T.; Helmers Øvrebø, S.-E.; Pirie, M.D.	330
41	06/09/2021	https://www.naturalist.org/observations/93845295	RedListNO	61.5433829901	9.9601987749	6	Norway	Oppland	Sar-Fron	Mycricaria germanica	Moe, B.	Eriksson, L.T.; Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Eriksson, L.T.; Helmers Øvrebø, S.-E.; Pirie, M.D.	230
42	06/09/2021	https://www.naturalist.org/observations/93846075	RedListNO	61.5427104067	9.9615646899	8	Norway	Oppland	Sar-Fron	Cyma latifolia	Moe, B.	Eriksson, L.T.; Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Eriksson, L.T.; Helmers Øvrebø, S.-E.; Pirie, M.D.	230
43	06/09/2021	https://www.naturalist.org/observations/93846923	RedListNO	61.5428570663	9.9614671245	6	Norway	Oppland	Sar-Fron	Ginera lithuanica	Moe, B.	Eriksson, L.T.; Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Eriksson, L.T.; Helmers Øvrebø, S.-E.; Pirie, M.D.	230
44	06/09/2021	https://www.naturalist.org/observations/93850915	RedListNO	61.54271488	9.9947670847	6	Norway	Oppland	Sar-Fron	Callitriche hermaphrodita	Moe, B.	Eriksson, L.T.; Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Eriksson, L.T.; Helmers Øvrebø, S.-E.; Pirie, M.D.	230
45	06/09/2021	https://www.naturalist.org/observations/93857422	RedListNO	61.4996475577	10.1679811254	8	Norway	Oppland	Ringebu	Ranunculus triandra	Moe, B.	Eriksson, L.T.; Helmers Øvrebø, S.-E.; Pirie, M.D.	Moe, B., Eriksson, L.T.; Helmers Øvrebø, S.-E.; Pirie, M.D.	230

Import to Store/Stock Items in IRIS

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	Action	StkStoreCode	StkCollDate	StkInflURL	StkLatitude	StkLongitude	StkCoordPrecision	StkCountry	StkSubdiv1	StkSubdiv2	StkLocality	TaxonName	StkCollector	StkAltitudeFrom	StkMatType	StkOrigin	StkStatusCode	StkProvenanceCode	StkAltitudeUnit
2	X	INDSEM	03/09/2021	https://www.naturalist.org/observations/93477048	61.6806963004	8.072578419	6	Norway	Oppland	Lom	Bøvertun	Braya linearis	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1000	Seed	Spontaneous	In	W	m
3	X	INDSEM	03/09/2021	https://www.naturalist.org/observations/93477344	61.6417486727	8.0606868491	6	Norway	Oppland	Lom	Bøvertun	Silene acaulis	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1000	Seed	Spontaneous	In	W	m
4	X	INDSEM	03/09/2021	https://www.naturalist.org/observations/93477449	61.641614265	8.0599049851	32	Norway	Oppland	Lom	Bøvertun	Aconitum septentrionale	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	1000	Seed	Spontaneous	In	W	m
5	X	INDSEM	03/09/2021	https://www.naturalist.org/observations/93482678	61.654682045	8.117415905	16	Norway	Oppland	Lom	W of Bøvertun	Saussurea alpina	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	990	Seed	Spontaneous	In	W	m
6	X	INDSEM	03/09/2021	https://www.naturalist.org/observations/93483999	61.6458120008	8.1040330814	24	Norway	Oppland	Lom	SW of Bøvertun	Oxytropis lapponica	Moe, B., Helmers Øvrebø, S.-E.; Pirie, M.D.	970	Seed	Spontaneous	In	W	m
7	X	INDSEM	03/09/2021	https://www.naturalist.org/observations/93484839	61.6457725119	8.1040169299	8												

Importing the Stock Items to IRIS

Note that we do not use Acc.No on seeds that are only used for Index Seminum.
Important that the URL from iNaturalist are included.

Data import
Perform import of data from external sources

Job status: * Source type: * Source name: * Reg. person: * Reg. date: * [Accept] [Delete]

Import results

Job status	No	Source type	Source name	Information	Reg. person	Reg. date
Ready	510	MixFile	Import 2021_3.xlsx		hla	12.03.2024 09:31:44

Taxon names	Tax. groups	Taxon details	Stock items *	Stock localities													
Action	Status	Row	Store	Stock no.	Stock status	Taxon name	Stock type	Mat. type	Accession	Collector	Coll. date	IPEN no.	Prov.	Det. level	Project	Info URL	Comments
+	Add	None	1	INSEM	In	Braya linearis	Spontaneous	Seed		Moe, B., Helmers Øvrebo, S.-E., Pirie, M.D.	03.09.2021		W			https://www.inaturalist.org/observations/93477048	
+	Add	None	2	INSEM	In	Silene acaulis	Spontaneous	Seed		Moe, B., Helmers Øvrebo, S.-E., Pirie, M.D.	03.09.2021		W			https://www.inaturalist.org/observations/93477344	
+	Add	None	3	INSEM	In	Aconitum septentrionale	Spontaneous	Seed		Moe, B., Helmers Øvrebo, S.-E., Pirie, M.D.	03.09.2021		W			https://www.inaturalist.org/observations/93477449	
+	Add	None	4	INSEM	In	Saussurea alpina	Spontaneous	Seed		Moe, B., Helmers Øvrebo, S.-E., Pirie, M.D.	03.09.2021		W			https://www.inaturalist.org/observations/93482678	
+	Add	None	5	INSEM	In	Oxytropis lapponica	Spontaneous	Seed		Moe, B., Helmers Øvrebo, S.-E., Pirie, M.D.	03.09.2021		W			https://www.inaturalist.org/observations/93483999	
+	Add	None	6	INSEM	In	Gentiana amarella	Spontaneous	Seed		Moe, B., Helmers Øvrebo, S.-E., Pirie, M.D.	03.09.2021		W			https://www.inaturalist.org/observations/93484839	
+	Add	None	7	INSEM	In	Rhododendron lapponicum	Spontaneous	Seed		Moe, B., Helmers Øvrebo, S.-E., Pirie, M.D.	03.09.2021		W			https://www.inaturalist.org/observations/93486448	
+	Add	None	8	INSEM	In	Arctostaphylos uva-ursi	Spontaneous	Seed		Moe, B., Helmers Øvrebo, S.-E., Pirie, M.D.	04.09.2021		W			https://www.inaturalist.org/observations/93577190	
+	Add	None	9	INSEM	In	Omalothea supina	Spontaneous	Seed		Moe, B., Helmers Øvrebo, S.-E., Pirie, M.D.	05.09.2021		W			https://www.inaturalist.org/observations/93690501	
+	Add	None	10	INSEM	In	Harrmanella hypnoides	Spontaneous	Seed		Moe, B., Helmers Øvrebo, S.-E., Pirie, M.D.	05.09.2021		W			https://www.inaturalist.org/observations/93691504	
+	Add	None	11	INSEM	In	Diapensia lapponica	Spontaneous	Seed		Moe, B., Helmers Øvrebo, S.-E., Pirie, M.D.	05.09.2021		W			https://www.inaturalist.org/observations/93692901	
+	Add	None	12	INSEM	In	Silene acaulis	Spontaneous	Seed		Moe, B., Helmers Øvrebo, S.-E., Pirie, M.D.	05.09.2021		W			https://www.inaturalist.org/observations/93694237	
+	Add	None	13	INSEM	In	Antennaria alpina	Spontaneous	Seed		Moe, B., Helmers Øvrebo, S.-E., Pirie, M.D.	05.09.2021		W			https://www.inaturalist.org/observations/93719536	
+	Add	None	14	INSEM	In	Phyllodoce caerulea	Spontaneous	Seed		Moe, B., Helmers Øvrebo, S.-E., Pirie, M.D.	05.09.2021		W			https://www.inaturalist.org/observations/93727600	
+	Add	None	15	INSEM	In	Paris quadrifolia	Spontaneous	Seed		Moe, B., Eriksson, L.T., Helmers Øvrebo, S.-E., Pirie, M.D.	08.09.2021		W			https://www.inaturalist.org/observations/94097520	
+	Add	None	16	INSEM	In	Polygonatum veriballatum	Spontaneous	Seed		Moe, B., Eriksson, L.T., Helmers Øvrebo, S.-E., Pirie, M.D.	08.09.2021		W			https://www.inaturalist.org/observations/94097682	
+	Add	None	17	INSEM	In	Thalictrum flavum	Spontaneous	Seed		Moe, B., Eriksson, L.T., Helmers Øvrebo, S.-E., Pirie, M.D.	09.09.2021		W			https://www.inaturalist.org/observations/94190704	
+	Add	None	18	INSEM	In	Trollius europaeus	Spontaneous	Seed		Moe, B., Eriksson, L.T., Helmers Øvrebo, S.-E., Pirie, M.D.	09.09.2021		W			https://www.inaturalist.org/observations/94200216	
+	Add	None	19	INSEM	In	Saussurea alpina	Spontaneous	Seed		Moe, B., Eriksson, L.T., Helmers Øvrebo, S.-E., Pirie, M.D.	09.09.2021		W			https://www.inaturalist.org/observations/94200750	
+	Add	None	20	INSEM	In	Parnassia palustris	Spontaneous	Seed		Moe, B., Eriksson, L.T., Helmers Øvrebo, S.-E., Pirie, M.D.	09.09.2021		W			https://www.inaturalist.org/observations/94203772	
+	Add	None	21	INSEM	In	Eriophorum latifolium	Spontaneous	Seed		Moe, B., Eriksson, L.T., Helmers Øvrebo, S.-E., Pirie, M.D.	09.09.2021		W			https://www.inaturalist.org/observations/94203848	
+	Add	None	22	INSEM	In	Vaccinium microcarpum	Spontaneous	Seed		Moe, B., Eriksson, L.T., Helmers Øvrebo, S.-E., Pirie, M.D.	09.09.2021		W			https://www.inaturalist.org/observations/94204939	
+	Add	None	23	INSEM	In	Orthilia secunda	Spontaneous	Seed		Moe, B., Eriksson, L.T., Helmers Øvrebo, S.-E., Pirie, M.D.	09.09.2021		W			https://www.inaturalist.org/observations/94218136	
+	Add	None	24	INSEM	In	Pyrola minor	Spontaneous	Seed		Moe, B., Eriksson, L.T., Helmers Øvrebo, S.-E., Pirie, M.D.	09.09.2021		W			https://www.inaturalist.org/observations/94218466	
+	Add	None	25	INSEM	In	Moneses uniflora	Spontaneous	Seed		Moe, B., Eriksson, L.T., Helmers Øvrebo, S.-E., Pirie, M.D.	09.09.2021		W			https://www.inaturalist.org/observations/94218531	
+	Add	None	26	INSEM	In	Cornus suecica	Spontaneous	Seed		Moe, B.	19.09.2021		W			https://www.inaturalist.org/observations/95398061	
+	Add	None	27	INSEM	In	Drosera rotundifolia	Spontaneous	Seed		Moe, B.	19.09.2021		W			https://www.inaturalist.org/observations/95398207	
+	Add	None	28	INSEM	In	Lysimachia europaea	Spontaneous	Seed		Moe, B.	19.09.2021		W			https://www.inaturalist.org/observations/95398453	
+	Add	None	29	INSEM	In	Betula nana	Spontaneous	Seed		Moe, B.	25.09.2021		W			https://www.inaturalist.org/observations/96102428	
+	Add	None	30	INSEM	In	Juncus castaneus	Spontaneous	Seed		Moe, B.	25.09.2021		W			https://www.inaturalist.org/observations/96102648	
+	Add	None	31	INSEM	In	Arctous alpina	Spontaneous	Seed		Moe, B.	25.09.2021		W			https://www.inaturalist.org/observations/96102949	

The data is ready for import

hla 12.03.2024 09:31:44

We create a new Store Catalogue edition with the selected Stock Items

irisBG - Collection Management

File Data Window Help

Arboretum and Botanical Garden

Catalogues
Prepare and create catalogues

Catalogue edition: * 2022 INDSEM Stock origin: * Family: * Taxon: * Use: *

Group by: Origin - Family Check items to be included and press Save when finished

Use	Taxon name	Coll. date	Det. level	Accession	Locality	Cat. no.	Stock no.
<input checked="" type="checkbox"/>	Braya linearis	03.09.2021			NOR: Oppland, Lom, Bøvertun, 1000 m, 61.6806963604° 8.0725778419° (WGS84)	13	1627
Family: Campanulaceae							
<input checked="" type="checkbox"/>	Campanula latifolia	27.09.2021			NOR: Hordaland, Eidfjord, Måbdalen, 460 m, 60.426496667° 7.228528333° (WGS84)	16	1675
Family: Caryophyllaceae							
<input checked="" type="checkbox"/>	Silene acaulis	05.09.2021			NOR: Oppland, Lesja, Grønhei, 1370 m, 62.0228459495° 8.9374956116° (WGS84)	21	1638
<input checked="" type="checkbox"/>	Silene acaulis	03.09.2021			NOR: Oppland, Lom, Bøvertun, 1000 m, 61.6417486727° 8.0606868491° (WGS84)	20	1628
Family: Celastraceae							
<input checked="" type="checkbox"/>	Parnassia palustris	09.09.2021			NOR: Oppland, Etnedal, Stuttlø, 660 m, 60.9136333312° 9.7934595868° (WGS84)	23	1646
Family: Cornaceae							
<input checked="" type="checkbox"/>	Cornus suecica	19.09.2021			NOR: Hordaland, Eidfjord, Svolnos, 1180 m, 60.363828333° 5.407725° (WGS84)	25	1652
Family: Crassulaceae							
<input checked="" type="checkbox"/>	Rhodiola rosea	27.09.2021			NOR: Hordaland, Eidfjord, Måbdalen, 420 m, 60.423683333° 7.212746667° (WGS84)	27	1672
Family: Cyperaceae							
<input checked="" type="checkbox"/>	Carex atrata	27.09.2021			NOR: Hordaland, Eidfjord, Måbdalen, 460 m, 60.424775° 7.216478333° (WGS84)	30	1674
<input checked="" type="checkbox"/>	Eriophorum latifolium	09.09.2021			NOR: Oppland, Etnedal, Stuttlø, 650 m, 60.9135546084° 9.7932604328° (WGS84)	31	1647
Family: Droseraceae							
<input checked="" type="checkbox"/>	Drosera anglica	28.09.2021			NOR: Hordaland, Eidfjord, Isdalen, 860 m, 60.440166667° 7.276371667° (WGS84)	36	1683
Family: Ericaceae							
<input checked="" type="checkbox"/>	Andromeda polifolia	26.09.2021			NOR: Hordaland, Eidfjord, Isdalen, 850 m, 60.441478333° 7.26753° (WGS84)	39	1669
<input checked="" type="checkbox"/>	Arctostaphylos uva-ursi	04.09.2021			NOR: Oppland, Lom, Breidstulen, 850 m, 61.9386946071° 8.8614499569° (WGS84)	40	1634
<input checked="" type="checkbox"/>	Arctous alpina	25.09.2021			NOR: Hordaland, Eidfjord, N of Isdalsstølen, 1100 m, 60.4664216667° 7.274413333° (WGS84)	42	1657
<input checked="" type="checkbox"/>	Harrimanella hypnoides	05.09.2021			NOR: Oppland, Lesja, Grønhei, 1370 m, 62.0228781929° 8.937731646° (WGS84)	45	1636
<input checked="" type="checkbox"/>	Harrimanella hypnoides	16.09.2020	Det. by taxonomist		NOR: Sogn og Fjordane, Vik, Vassdalane, Vikafjellet, 945 m, 60.9986° 6.5456° (WGS84)	44	1521
<input checked="" type="checkbox"/>	Monotropa hypopitys	24.10.2021			NOR: Hordaland, Ålvik, Ålvikvegen, 45 m, 60.404036667° 6.348528333° (WGS84)	49	1686
<input checked="" type="checkbox"/>	Phylodoce caerulea	05.09.2021			NOR: Oppland, Lesja, Grønhei, 1180 m, 62.0441099953° 8.9632374421° (WGS84)	53	1640
<input checked="" type="checkbox"/>	Pyrola minor	09.09.2021			NOR: Oppland, Etnedal, Stuttlø, 610 m, 60.916048706° 9.7730526701° (WGS84)	55	1650
<input checked="" type="checkbox"/>	Vaccinium microcarpum	09.09.2021			NOR: Oppland, Etnedal, Stuttlø, 660 m, 60.9136150766° 9.7932416573° (WGS84)	56	1648
Family: Fabaceae							
<input checked="" type="checkbox"/>	Lathyrus sylvestris	21.10.2021			NOR: Hordaland, Eidfjord, Hereidsvegen, 100 m, 60.469053333° 7.079952833° (WGS84)	62	1685
<input checked="" type="checkbox"/>	Oxytropis lapponica	03.09.2021			NOR: Oppland, Lom, SW of Bøvertun, 970 m, 61.6458120008° 8.1040430814° (WGS84)	63	1631
Family: Geraniaceae							
<input checked="" type="checkbox"/>	Geranium sylvaticum	28.09.2021			NOR: Hordaland, Eidfjord, Isdalen, 860 m, 60.450378333° 7.280575° (WGS84)	68	1680
Family: Juncaceae							
<input checked="" type="checkbox"/>	Juncus castaneus	25.09.2021			NOR: Hordaland, Eidfjord, N of Isdalsstølen, 980 m, 60.4647416667° 7.275803333° (WGS84)	71	1656
Family: Lentibulariaceae							
<input checked="" type="checkbox"/>	Pinguicula vulgaris	26.09.2021			NOR: Hordaland, Eidfjord, Isdalen, 860 m, 60.43328° 7.271755° (WGS84)	72	1670
Family: Orobanchaceae							
<input checked="" type="checkbox"/>	Bartsia alpina	28.09.2021			NOR: Hordaland, Eidfjord, Isdalen, 860 m, 60.433288333° 7.27183° (WGS84)	76	1679
Family: Plantaginaceae							
<input checked="" type="checkbox"/>	Veronica alpina	25.09.2021			NOR: Hordaland, Eidfjord, Rjuperusti, 1050 m, 60.467755° 7.2918616667° (WGS84)	80	1666
Family: Primulaceae							
<input checked="" type="checkbox"/>	Lysimachia europaea	19.09.2021			NOR: Hordaland, Eidfjord, Svolnos, 1180 m, 60.362753333° 5.394625° (WGS84)	84	1654
Family: Ranunculaceae							
<input checked="" type="checkbox"/>	Thalictrum alpinum	06.10.2021			NOR: Hordaland, Eidfjord, Svolnos, 1180 m, 60.470028° 7.278847° (WGS84)	90	1684
<input checked="" type="checkbox"/>	Thalictrum flavum	09.09.2021			NOR: Oppland, Gran, Hovstjern, 250 m, 60.3574414955° 10.5671561882° (WGS84)	91	1643

This catalogue is finished and can not be changed

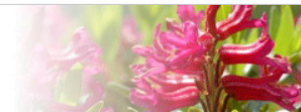
58 hla-adm 17.12.2021 08:40:15

After the new catalogue is created, seeds can be ordered online on the Web Store .

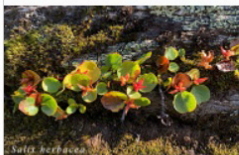


Index Seminum 2024

The University Gardens, University of Bergen, Norway



Welcome



This edition of the catalogue is closed - welcome back to the next edition.

Seeds from the Index Seminum are not for sale, but are available on an exchange basis exclusively for scientific, educational and nature conservation purposes. The orders will be dispatched according to the availability of seeds.

Please read the *terms and conditions* below before placing an order.

Create order from the seed catalogue

Expand the list below and mark the seeds in the list that you would like to order. Then, press the [Place order] button to complete and send your order.

Place order

Expand all

Collapse all

Clear selected

Index Seminum 2024

Part 1: Collected from spontaneous plants

Apiaceae

- 1 Angelica archangelica L.** ⓘ
Norway: Hordaland, Eidfjord, Isdalen, 740 m, 60.4247383333° | 7.2592533333° (WGS84). 2021-09-27. Moe, B. Prov: Wild.

Asparagaceae

- 2 Maianthemum bifolium (L.) F.W.Schmidt**
Norway: Hordaland, Bergen, Milde, Korsdalane, 30 m, 60.2602° | 05.2722° (WGS84). 2023-10-16. Pousi, T. Prov: Wild.
- 3 Polygonatum verticillatum All.** ⓘ
Norway: Oppland, Jevnaker, Rostedbekken, 400 m, 60.2769508128° | 10.4613014683° (WGS84). 2021-09-08. Moe, B., Eriksson, L.T., Helmers Øvrebø, S.-E., Pirie, M.D. Prov: Wild.

Asteraceae

- 4 Antennaria alpina (L.) Gaertn.** ⓘ
Norway: Oppland, Lesja, Grønhei, 1590 m, 62.0286688531° | 8.9274128526° (WGS84). 2021-09-05. Moe, B., Helmers Øvrebø, S.-E., Pirie, M.D. Prov: Wild.
- 5 Omalothea norvegica (Gunnerus) Sch.Bip. & F.W.Sch** ⓘ
Norway: Hordaland, Eidfjord, Isdalen, 860 m, 60.43328° | 7.2718166667° (WGS84). 2021-09-26. Moe, B. Prov: Wild.
- 6 Saussurea alpina DC.** ⓘ
Norway: Oppland, Lom, W of Bøvertun, 990 m, 61.654682045° | 8.117415905° (WGS84). 2021-09-03. Moe, B., Helmers Øvrebø, S.-E., Pirie, M.D. Prov: Wild.
- 7 Saussurea alpina DC.** ⓘ
Norway: Oppland, Etnedal, Stuttlii, 660 m, 60.9137224849° | 9.7935953736° (WGS84). 2021-09-09. Moe, B., Eriksson, L.T., Helmers Øvrebø, S.-E., Pirie, M.D. Prov: Wild.

Brassicaceae

- 8 Arabidopsis lyrata subsp. petraea (L.) O'Kane & Al-Shehbaz** ⓘ
Norway: Oppland, Lom, Bøverdalen, 530 m, 61.7625104001° | 8.4117414057° (WGS84). 2021-09-04. Moe, B., Helmers Øvrebø, S.-E., Pirie, M.D. Prov: Wild.
- 9 Braya linearis Rouy** ⓘ
Norway: Oppland, Lom, Bøvertun, 1000 m, 61.6806963604° | 8.0725778419° (WGS84). 2021-09-03. Moe, B., Helmers Øvrebø, S.-E., Pirie, M.D. Prov: Wild.

Campanulaceae

- 10 Campanula latifolia L.** ⓘ
Norway: Hordaland, Eidfjord, Måbdalen, 460 m, 60.4264966667° | 7.2285283333° (WGS84). 2021-09-27. Moe, B. Prov: Wild.

Celastraceae

- 11 Parnassia palustris L.** ⓘ
Norway: Oppland, Etnedal, Stuttlii, 660 m, 60.9136333312° | 9.7934595868° (WGS84). 2021-09-09. Moe, B., Eriksson, L.T., Helmers Øvrebø, S.-E., Pirie, M.D. Prov: Wild.

Cornaceae

Main website

Visit our [main website](#)

Information

Nomenclature

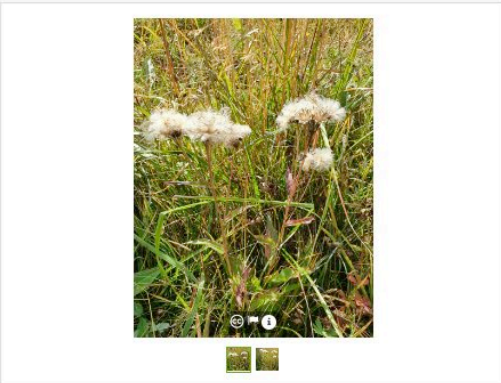
The nomenclature in Index Seminum is mainly based on:

- Species 2000 & ITIS Catalogue of Life: 2020 Annual Checklist (<http://www.catalogueoflife.org/>)

seminumsystem2024, seminumwild2024

Alpine Saw-Wort (*Saussurea alpina*) Research Grade

Follow



mikepirie
2,526 observations

Observed: Sep 9, 2021 - 1:35 PM CEST
Submitted: Sep 9, 2021 - 1:39 PM CEST

Stuttli, Etnedal, Oppland, Norw... Show Details

Be the first to love this observation!

Activity

mikepirie suggested an ID Improving 3y

Alpine Saw-Wort
Saussurea alpina Compare Agree

jmgrinde suggested an ID 3y

Alpine Saw-Wort
Saussurea alpina

Comment Suggest an Identification

B I Preview

Leave a comment

Done Mark As Reviewed

Community Taxon

What's this?

Alpine Saw-Wort (*Saussurea alpina*)
Cumulative IDs: 2 of 2

0 2

2/3rds

Agree Compare About

Annotations

Attribute	Value	Agree	Disagree
Plant Phenology	Select -		
Sex	Select -		

Projects (3)

- Add to a Project
- Bergen IrisBG export
Observation Fields
- Bergen University Gardens
- Bergen University Gardens projects

Tags (1)

is

Observation Fields (5)

Altitude (m): 660

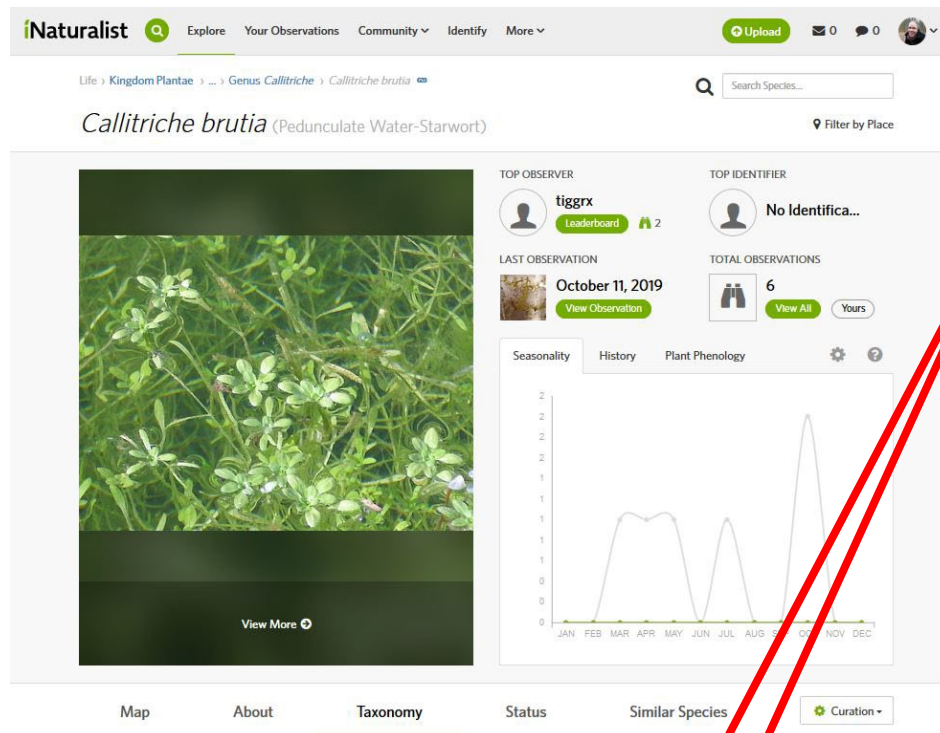
associatedCollectorsSymbiota:
Eriksson, L.T.; Helmers Øvrebo, S.-E.; Pirie, M.D.

recordNumberdwc:
1070

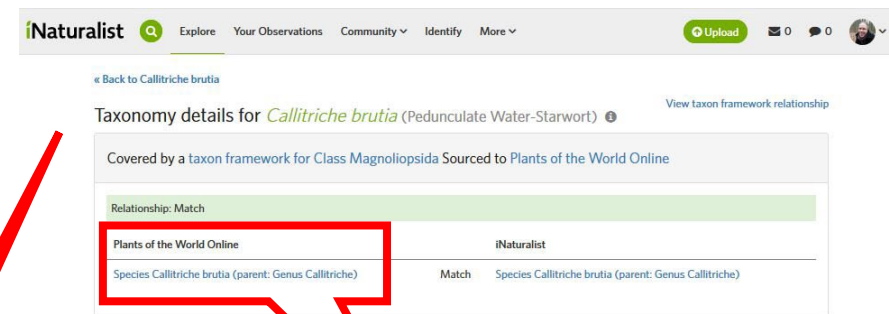
recordedBySymbiota:
Moe, B.

institutionCodedwc:
Choose a field

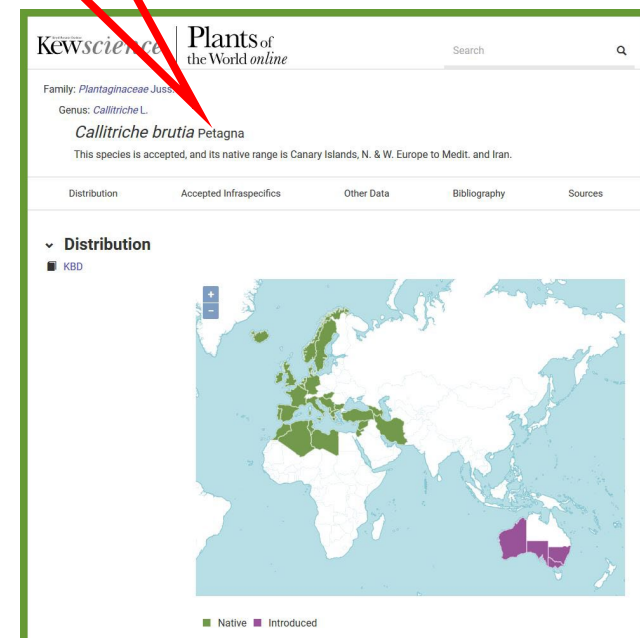
Discussion points: Taxonomy conflicts/ambiguity?



The screenshot shows the iNaturalist observation page for *Callitriche brutia*. It includes a photo of the plant, a seasonality graph showing peaks in spring and autumn, and user statistics for the top observer (tigrx) and identifier (No Identifica...). The 'Taxonomy' tab is selected, showing a hierarchical list of taxonomic ranks from Kingdom to Species.



The screenshot shows the 'Taxonomy details' for *Callitriche brutia*. It highlights a 'Relationship: Match' between 'Plants of the World Online' and 'iNaturalist'. The details show that both sources list the species as *Callitriche brutia* (parent: Genus *Callitriche*).



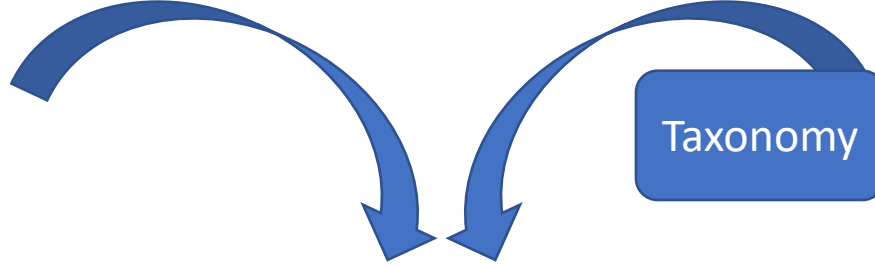
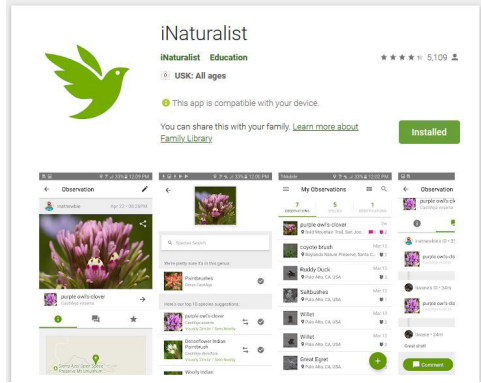
The screenshot shows the 'Plants of the World Online' entry for *Callitriche brutia*. It provides taxonomic information (Family: Plantaginaceae, Genus: *Callitriche* L.) and a distribution map of Europe and Australia. The map uses green for native and purple for introduced populations.



Discussion points:

Taxonomy conflicts/ambiguity?

Protocols for incorporating new names



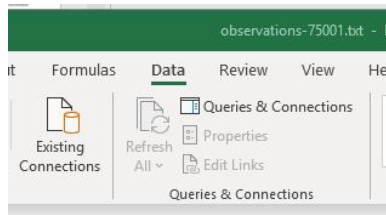
Taxonomy

 **IrisBG - Collection Management**

Discussion points:

Taxonomy conflicts/ambiguity?

Protocols for incorporating new names – and cleaning up databases of old ones...



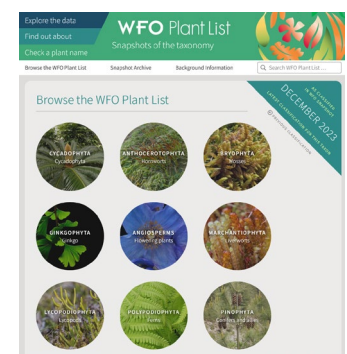
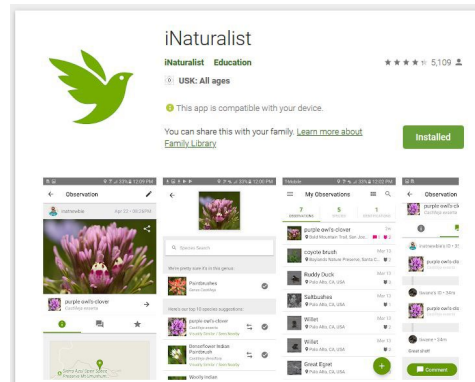
observations-75001.txt

Formulas Data Review View Help

Existing Connections Refresh Properties Edit Links Queries & Connections

taxon_species_name

L	M
scientific_name	taxon_id
Ramonda serbica	442891
Campanula lingulata	465859
Scabiosa fumarioides	471229
Cornus sanguinea	155124
Clematis vitalba	160697
Digitalis lanata	147321
Eryngium campestre	162699
Pyrus spinosa	335885
Crataegus monogyna	51147
Fumana procumbens	448090
Malus sylvestris	61223
Potentilla cinerea	544665
Malus	54500
Hippocrepis emerus	208964
Cornus mas	55858
Fragaria vesca	50298
Asplenium trichomanes	75609
Parietaria lusitanica serbica	415198
Viburnum lantana	124741
Stachys germanica	82989
Aegonychon purpurocaeruleum	546520
Sorbus torminalis	198879
Alcea rosea	62205



iNaturalist meets IrisBG, Index Seminum, and citizen science



Bergen University Gardens

Michael Pirie michae.pirie@uib.no
Heidi Lie Andersen Heidi.Andersen@uib.no
Bergen University Gardens, UiB, Norway



Presentation available at <https://doi.org/10.6084/m9.figshare.25392286>