



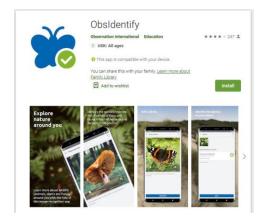
Michael Pirie michae.pirie@uib.no @PirieMike & Heidi Lie Andersen Heidi. Andersen @uib.no @HeidiLie A Bergen University Gardens, UiB, Norway



Data entry – beyond the pencil/notepad and Excel spreadsheet

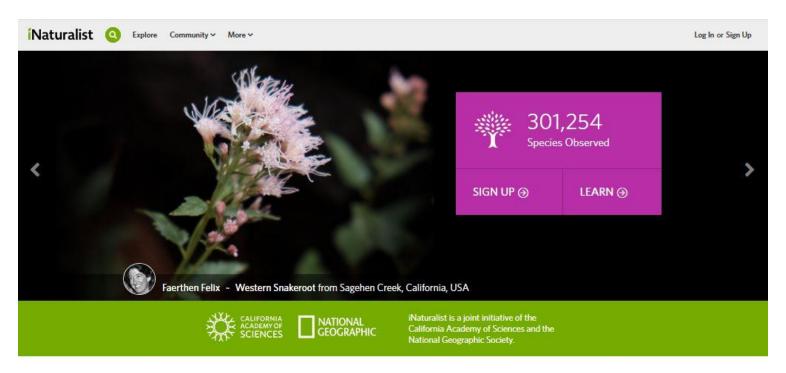






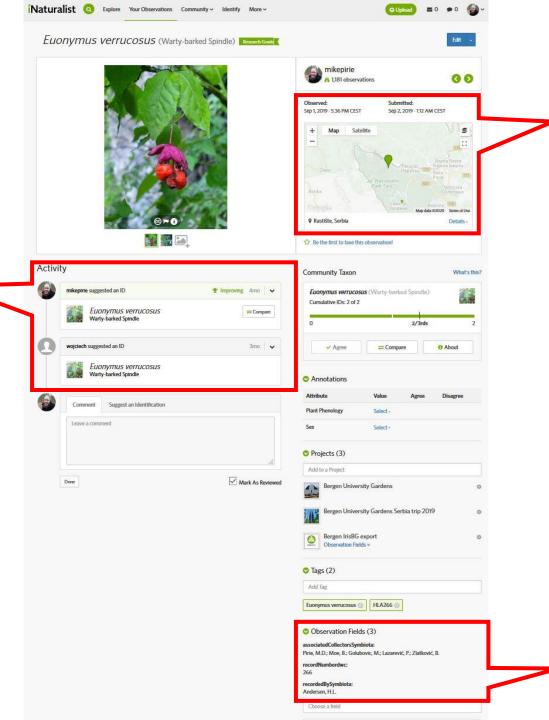


An example: iNaturalist http://www.inaturalist.org



How It Works





Names from

collaborative

identification

database;

Date/time, geolocality with place name

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:

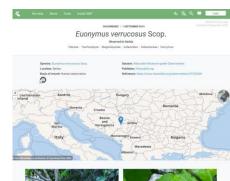
ese	arch Grade Qualification	Yes	No
00	Date specified	~	
9	Location specified	~	
	Has Photos or Sounds	~	
Ü	Has ID supported by two or more	~	
ď	Date is accurate	V6	Ę)
(8)	Location is accurate	V0	12
p	Organism is wild	V O	O
#	Evidence of organism	40	0
0	Recent evidence of an organism	VO	Q
0	Community Taxon at species level or lower	~	

Inappropriate content? Flag As Inappropriate

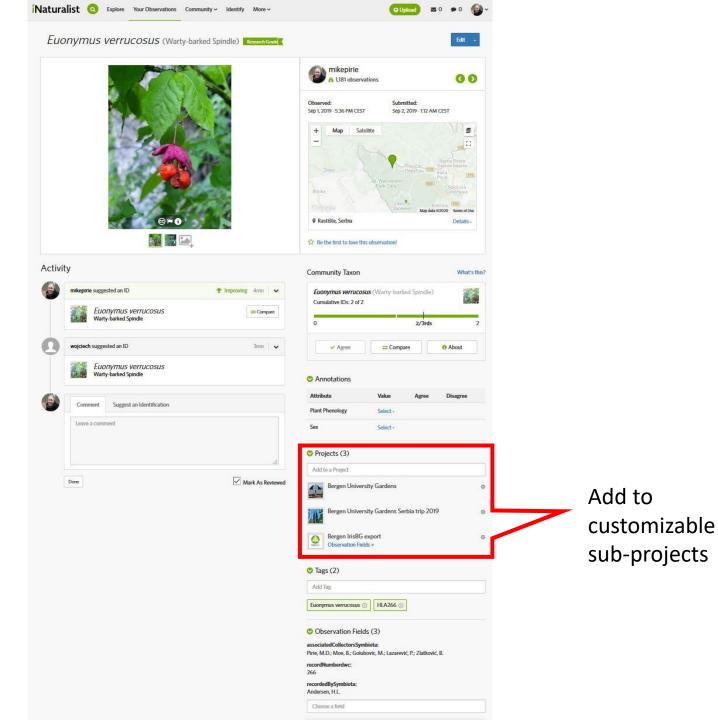


This observation is Research Grade! It can now be used for research and featured on other websites.



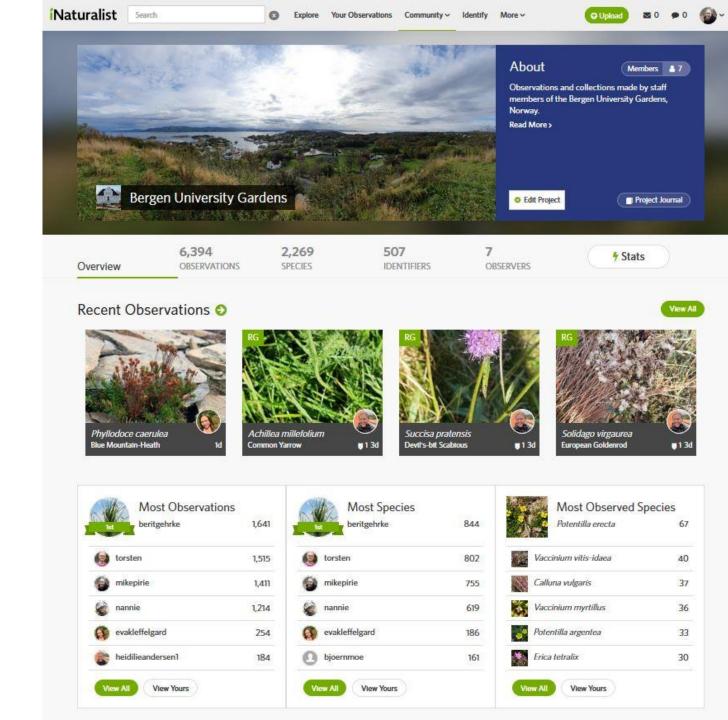






Projects: collections of observations, such as:

Bergen University Gardens staff



Projects: collections of observations, such as:

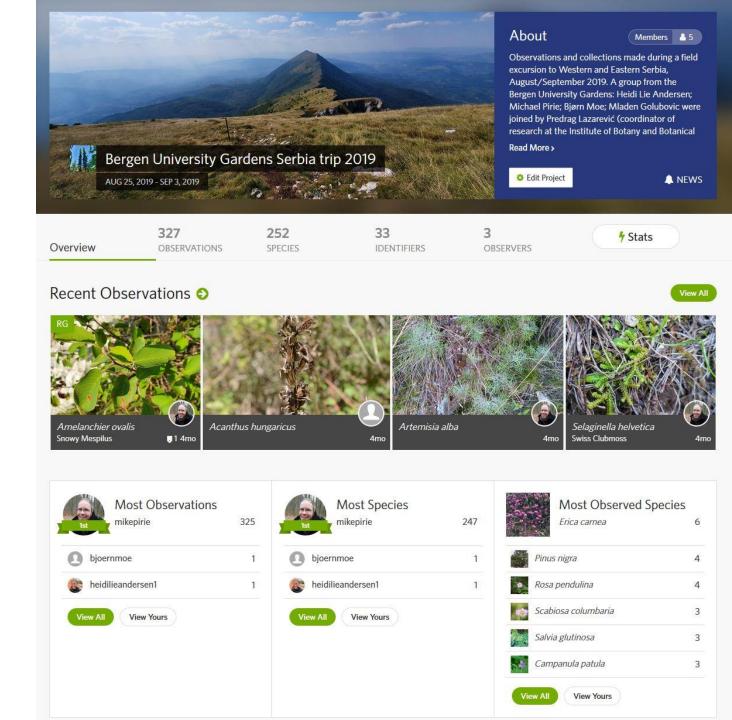
Bergen University Gardens staff





Projects: collections of observations, such as:

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



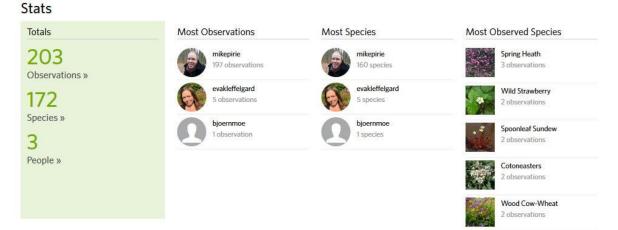
« Projects

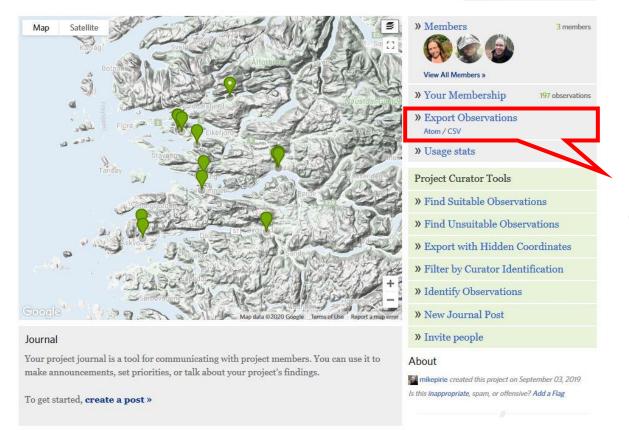


Bergen IrisBG export

Projects: collections of observations, such as:

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





Data export

Export Observations

1 Create a Query

Create an observation query just like you would elsewhere on the site. You can also cut and paste an observations URL from another part of the site. You must specify a taxon, place, user, project, or search query.

Search (9)						search all fields	~
Filter	w/ photos w/ soun					ed Any O Yes C) No
Show only							☐ Æ ☐ Æ Se
Place	Start typing place name	*	SW Lat.	SW Lon.	NE Lat.	NE Lon.	clear
Taxon	Q Start typing taxon nam	e	Observ	red on Day V Mont	h V Year V		
Exact Rank	Any V His	thest Rank Any	V .	owest Rank Any	~		
User		clear					
	Usemame or User ID						
Project	bergen-Irisbg-export	clear					
	Project ID or URL slug, e.g. 333 or my	project					
Taxon IDs		clear					
	Multiple taxon IDs separated by com	mas, e.g. 123,654					
Date Range	Start	End		clear			

2	Preview					1-200 o	f 203
	Photos / Sounds	Species / Taxon Name	Observer	Date observed	Place		^
8	2 photos »	Genus Eleocharis Spikerushes	mikepirie	October 11, 2019 10:45 AM CEST	Gaular Municipality, Norway (Google, OSM)	Needs ID Edit View »	
ø		Callitriche brutia Pedunculate Water-Starwort	mikepirie	October 11, 2019 10:45 AM CEST	Gaular Municipality, Norway (Google, OSM)	Needs ID Edit View »	v

3 Choose columns

Choose the columns you want to export

Basic (All None)			
☑ id	observed_on_string	observed_on	✓ time_observed_at
✓ time_zone	out_of_range	✓ user_id	✓ user_login
✓ created_at	✓ updated_at	quality_grade	✓ license
☑ url	✓ image_url	✓ sound_url	✓ tag_list
description	☑ id_please	um_identification_agreements	num_identification_disagreements
✓ captive_cultivated	oauth_application_id		

G	20	12	ut.	IN	'n	n	ć

Town, county, state, country fields based on coordinates. Analagous 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.

✓ place_guess	✓ latitude	✓ longitude	positional_accuracy
private_place_guess	private_latitude	✓ private_longitude	private_positional_accuracy
geoprivacy	✓ taxon_geoprivacy	coordinates_obscured	positioning_method
✓ positioning_device	place_town_name	place_county_name	place_state_name
place_country_name	place_admin1_name	place_admin2_name	
Faxon (All None)			
species_guess	scientific_name	common_name	iconic_taxon_name
✓ taxon_id			
Taxon Extras (All None) Note: these columns will slow down the gen	eration of your export		
taxon_kingdom_name	taxon_phylum_name	axon_subphylum_name	taxon_superclass_name
taxon_class_name	☐ taxon_subclass_name	taxon_superorder_name	taxon_order_name
taxon_suborder_name	taxon_superfamily_name	taxon_family_name	taxon_subfamily_name
taxon_supertribe_name	☐ taxon_tribe_name	taxon_subtribe_name	taxon_genus_name
taxon_genushybrid_name	taxon_species_name	taxon_hybrid_name	taxon_subspecies_name
taxon_variety_name	taxon_form_name		
Observation Fields (All None)			
field:associatedcollectorssymbiota	field:habitat (s afr)	☐ field:habitatdwc	☐ field:identifiedbydwc
field:institutioncodedwc	☐ field:locality notes	field:localitydwc	field:recordedbysymbiota
field:recordnumberdwc	field:verbatimelevationdwc		



About Our Blog
Help Community
Forum Guidelines
Press Terms of Service

Privacy











Service **f**

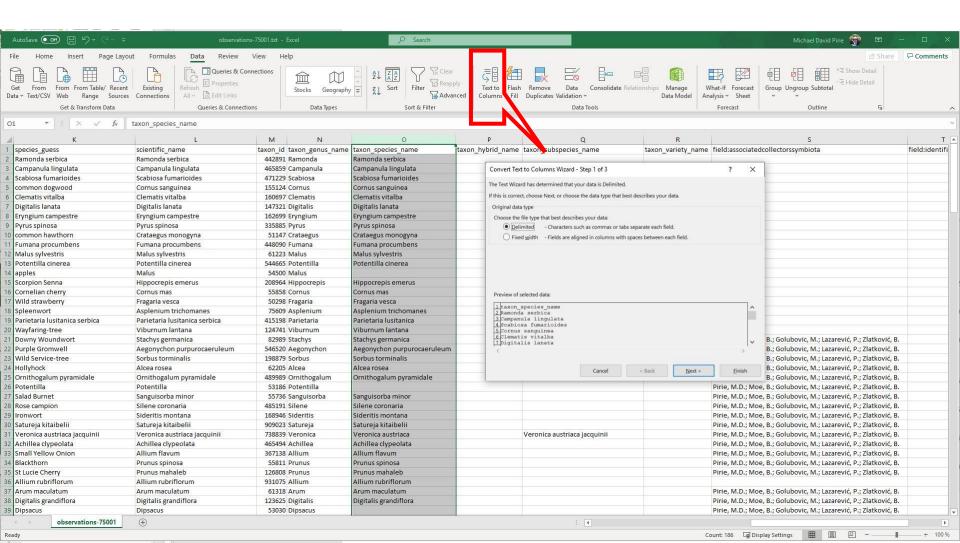






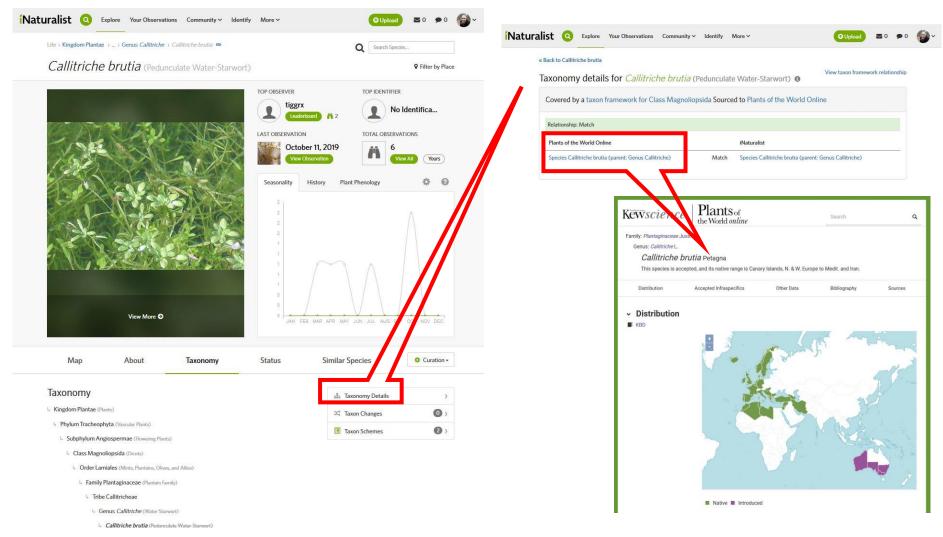
Challenges:

1. Trivial formatting/import issues



Challenges:

- 1. Trivial formatting/import issues
- 2. Non-trivial taxonomy conflicts/ambiguity



1. Pros and cons of different platforms?









Heberling, J. M., & Isaac, B. L. 2018. iNaturalist as a tool to expand the research value of museum specimens. *Appl. Plant Sci.*, 6: e01193.

https://doi.org/10.1002/aps3.1193

- 1. Pros and cons of different platforms?
- 2. Demand for IrisBG import tool(s)?











- 1. Pros and cons of different platforms?
- 2. Demand for IrisBG import tool(s)?
- 3. Protocols for incorporating new names?











- 1. Pros and cons of different platforms?
- 2. Demand for IrisBG import tool(s)?
- 3. Protocols for incorporating new names?
- 4. Need for a common taxonomy database?

Flora Incognita - automated plant



