

iNaturalist-Wikimedia cross-pollination

iNaturalist-Wikimedia cross-pollination	1
About	1
Accounts	2
iNaturalist	2
Available Licenses	2
Smartphone app	2
Wikidata, commons and Wikipedia	3
Using iNaturalist on Wikimedia infrastructure	3
Uploading to Commons	3
Upload to commons	3
Using url2commons	6
Using image in Wikipedia	7
Using image in Wikidata	7
Image (P18)	7
Hardware	8

About

This document contains instructions on how to observe with iNaturalist, get confirmation from the iNaturalist community, and finally share on various Wikimedia platforms such as Wikidata, Commons and Wikipedia.

Authors: *Siobhan Leachman, Andra Waagmeester, Dario Taraborelli*

Accounts

iNaturalist

Go to <https://www.inaturalist.org/home> and sign up for an account.

Once you have an account go to “Account Settings” to edit the license under which you will allow the reuse of your images and data. The default setting for iNaturalist for both observations, data and sound recordings is the [CC BY NC](#).

For your images to be reused in Wikicommons they will need to be licensed under a [CC0](#), [CC BY](#) or [CC BY SA](#) licenses. If you are interested in why Wikicommons only allows images with these reuse licenses to be donated see [this](#) for more information.

Available Licenses

	Add to iNaturalist	Wikimedia compatible
CC0	+	+
CC-BY	+	+
CC-BY-NC	+	-
CC-BY-SA	+	+
CC-BY-ND	+	-
CC-BY-NC-SA	+	-
CC-BY-NC-ND	+	-

* Licenses copied from the filter page of iNaturalist. Assuming the latest version (4.0).

Smartphone app

If you intend to use your phone you can just take photos to upload into iNaturalist at a later time or you can use the iNaturalist app to upload your observations as you take them.

To download the iNaturalist app. For any android phone go to <https://play.google.com/store/apps/details?id=org.inaturalist.android&hl=en>

For a iphone go to <https://itunes.apple.com/nz/app/inaturalist/id421397028?mt=8>.

Wikidata, commons and Wikipedia

Go to <https://www.wikidata.org/w/index.php?title=Special:CreateAccount> and signup for an account. This account will work on any Wikipedia, Commons, and Wikidata

Using iNaturalist on Wikimedia infrastructure

Uploading to Commons

You can upload any of your or anyone else's images licensed under CC0, CC BY or CC BY SA in iNaturalist to Wikimedia commons.

Take for example this observation <https://www.inaturalist.org/observations/3317192>. It is research grade and has been licensed under the CC0 license.

If you wanted to reuse this image in Wikicommons you need to copy the picture to. There are different ways to do this:

Upload to commons

The first and probably the best way if you are new to Wikicommons is to follow the following steps. First, download the image you want by clicking on the “i” symbol on the image to take you to the appropriate download page in iNaturalist.

<https://www.inaturalist.org/photos/3833026>

You should then download the highest resolution of the image that you can ie the “original” size.

I normally name the file the confirmed species name and the name of the iNaturalist user who took the photo. So, in this case, I'd name the file “Lunella smaragdus by Siobhan Leachman”. To upload into Wikicommons go to the Commons main page and press the blue “upload” button on the right of the page.

Wikimedia Commons

a collection of 52,030,418 freely usable media files to which anyone can contribute

[Images](#) [Sounds](#) [Videos](#)

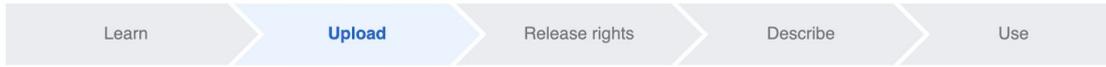
[Upload](#)

You then get taken to the upload wizard.

Upload Wizard

[Leave feedback](#) · [Alternative upload methods](#) · [Back to the old form](#)

 Please visit [Commons:Help desk](#) if you need to ask questions about uploading files.



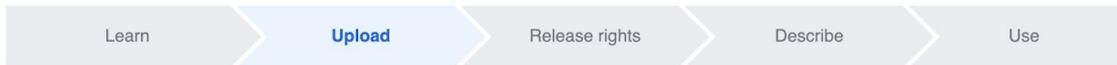
Select media files to share

Press the “select media files to share” and chose the file you want to upload into Wikicommons.

Upload Wizard

[Leave feedback](#) · [Alternative upload methods](#) · [Back to the old form](#)

 Please visit [Commons:Help desk](#) if you need to ask questions about uploading files.



Lunella smaragdus by Siobhan Leachman.jpg

Uploaded

 **Remove**



Add more files

Back

All uploads were successful!

Continue

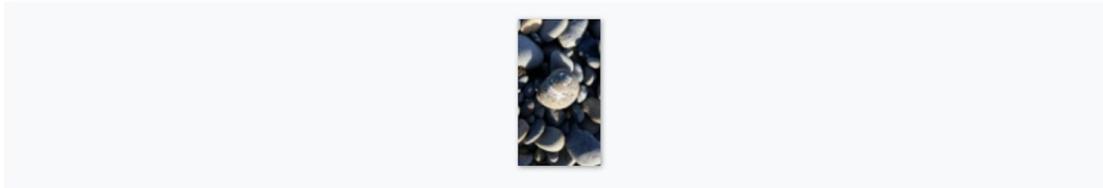
1 of 1 file uploaded

Then press the blue “Continue” button. You have a choice depending on whether it is your own photograph or a photograph taken by someone else.

Upload Wizard

[Leave feedback](#) · [Alternative upload methods](#) · [Back to the old form](#)

Please visit [Commons:Help desk](#) if you need to ask questions about uploading files.

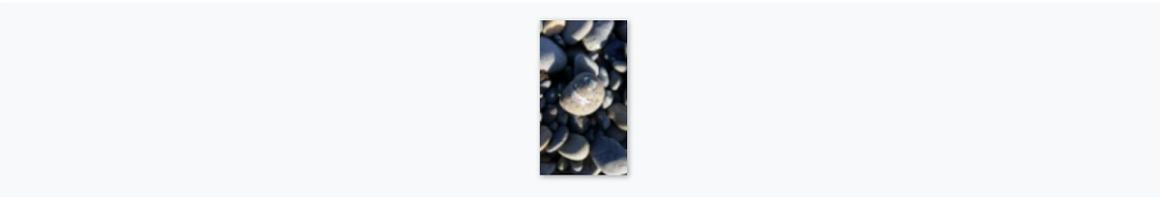


This site requires you to provide copyright information for this work, to make sure everyone can legally reuse it.

- This file is my own work.
- This file is not my own work.

[Back](#)

If it is your own photograph choose “This file is my own work” and fill out the fields and chose the license you prefer. This should be the same as the license you have chosen to use on iNaturalist.



This site requires you to provide copyright information for this work, to make sure everyone can legally reuse it.

This file is my own work.

I, , the copyright holder of this work, irrevocably grant anyone the right to use this work under the following license:

- Creative Commons Attribution ShareAlike 4.0 ([legal code](#)) ⓘ ⓘ
- Creative Commons Attribution ShareAlike 3.0 ([legal code](#)) ⓘ ⓘ
- Creative Commons Attribution 4.0 ([legal code](#)) ⓘ
- Creative Commons Attribution 3.0 ([legal code](#)) ⓘ
- Creative Commons CC0 Waiver (release all rights, like public domain: [legal code](#)) ⓘ

[Use the site's recommended license](#)

This file is not my own work.

[Back](#)

[Next](#)

Once you've added your name and the license press "next". Then fill out the required fields. You can include the locality data of your observation if you wish.



 Remove

Image title

Create a unique descriptive title using plain language with spaces. Omit the file extension, if any.

Lunella smaragdus by Siobhan Leachman

Caption

Add a one-line explanation of what this file represents, including only the most relevant information. *Optional*

English 



Lunella smaragdus by Siobhan Leachman via <https://www.inaturalist.org/observations/3317192>

[+ Add a caption in another language](#)

Description

Provide all information that will help others understand what this file represents.

English 

Lunella smaragdus by Siobhan Leachman via iNaturalist observation <https://www.inaturalist.org/observations/3317192>

[+ Add a description in another language](#)

Date work was created or first published

Choose the date this work was created or first published.

  27 May 2016

Categories

Add your file to categories so as to make it easier to find.

Optional

Lunella smaragda  Add a category...

 Add location and more information ...

Location

Latitude

Longitude

Heading

Optional

-41.344647

174.758866



Then press "publish" and you will have added your image to Wikicommons.

Using url2commons

In the previous step copying photos from iNaturalist to commons is straightforward and user-friendly. An alternative is offered with [url2commons](#). Using this requires some experience with uploading content to commons. All is done in a single page and practical when one would like to copy multiple photos from iNaturalist to commons.

For the purpose of this document a [photo from iNaturalist](#) with a CC0 license was selected. The link, obtained as explained in the previous section, was then copied to the available fields as follow

URLs

https://static.inaturalist.org/photos/31524854/original.jpeg?1550406193 iNaturalist Corvus Cornix.jpg

Enter File URLs above, one per line. Optionally, follow the URL with a space and the new filename. Optionally, follow the new filename (or blank) with a "|" and a description key (see below). Use `NL` for newline characters and `US` for underscores.

Description

```
{{Information
| Description = {{en|$DESCRIPTOR$}}
| Date =
| Source = $URL$
| Author =
| Permission =
| Other_versions =
}}
=={{int:license-header}}==
{{cc-zero}}

[[Category:iNaturalist]]
```

Enter the `{{Information}}` template, including categories etc. The string "`$DESCRIPTOR$`" will be replaced with the description key (see above) for each file, e.g., volume numbers, species name etc. "`$URL`" will automatically be replaced with the respective source URL.

[Simulate](#)

First push on the simulate button, to test if the information was added appropriately to be uploaded to commons. After a successful test, you should push the upload button which will appear.

Using image in Wikipedia

Once the image is in Wikicommons it is available for reuse in Wikipedia.

Using image in Wikidata

Image (P18)

Wikidata is the linked data store of the Wikimedia family. Knowledge captured in Wikidata allows structure querying of this data. Where capturing all species from Wikipedia would require either reading massive amounts of articles, or applying text mining methods with some level of error, in Wikidata this can be captured using structure information retrieval methods, such as SPARQL a semantic web query language. This enables downstream processing in data mining methods.

What Wikipedia is for text, wikidata is for data. Similarly, an Article in Wikipedia is called an item in wikidata.

A Wikidata item has three sections, i.e. 1. A header capturing labels, description and aliases in the 300ish language supported by the different Wikimedia projects. 2. A set of statements which are the actual linked part of the repositories (more on this below) and 3. A collection of links to other Wikimedia projects.

A wikidata statement has a property and its value and qualifiers and references that provide links to the primary source where the knowledge comes from.

In Wikidata there are two iNaturalist properties (iNaturalist Taxon ID and iNaturalist Observation ID)

In Wikidata there is a property to store a link to an image on the item upon which it applies. Wikidata, by design, is not a primary resource. Like its sisterproject Wikipedia, it captures knowledge with the requirement that this knowledge comes with its provenance proving its accuracy. It is not always obvious what is captured in a picture, really is what is stated. The beauty of iNaturalist is that its community can vouch for this accuracy of an observation in iNaturalist It is this conformance in iNaturalist that can act as evidence for the accuracy of a picture. The more community members in iNaturalist confirm what is observed, the stronger the indication is that this picture is an accurate depiction of a Wikidata item.

Unfortunately, Wikidata does not support direct links to iNaturalist. So copying photo's from iNaturalist to commons remains a required step.

Hardware

- [Olympus Touch TG-5](#) has built-in GPS and is waterproof, great for close-by observations, Not so great for observations in the distance.
- [Sony DSC-HX90V Digital Point & Shoot](#) comes with built-in GPS and a powerful 30x optical zoom.
- Phone with a built-in camera.
- Clip-on lens - https://commons.wikimedia.org/wiki/Category:Universal_clip_lens

Camera	Optical Zoom	Macro	GPS	Wifi	Bluetooth
Olympus Touch TG-5	-	+++	+	+	
Sony DSC-HX90V Digital Point & Shoot	++	-	+	+	
COOLPIX P1000	+++	?	-	+	

