

Setting up your zooniverse project

The hows, ifs and butts

Step 1: Set up your Zooniverse project

To set up your project we will first determine what sort of thing is needed and what type of project we are dealing with, Here we have mainly dealt with two type of workflows

1. Video clips annotation workflow: step 2.1
 - a. Public/Citizen science project
 - b. Private/expert annotated project
2. Frames annotation workflow: step 2.2
 - a. Public/Citizen science project
 - b. Private/expert annotated project

Step 2.1: Preparing the video workflow

Needed material:

A. CSV of species choice containing:

	A	B	C
1	Name	Description	Images
2	Fan-shaped sponge	Phakellia ventilabrum is a cup or fan-s	fan_shaped_sponge_2.jpg;

A

A. CSV of species easy to confuse that contains:

	A	B	C
1	Name	Twin	Details
2	Great spider crab	Deep sea king crab	Pay attention to its colour and spikes. If its
3	Deep sea king crab	Great spider crab	Pay attention to its colour and spikes. If its

B

A. CSV of characteristics containing:

	A	B	C	D	E	F
1	Name	Like=sponge; icon_sponge.png	Like=coral	Like=sea p	Like=anerr	Like=lobst
2	Fan-shaped sponge	T	N	N	N	N
3	Prawn cracker sponge	T	N	N	N	N
4	Football sponge	T	N	N	N	N

C

Step 2.1,1: Setting up video workflow: upload media

Begin with uploading your media files to the workflow

After uploading media, copy the filename of the photo of the species and paste it in the image section of your CSV file containing your choices

The screenshot displays a workflow management interface. On the left, the 'FIRST TASK' is 'Survey of 27 choices'. Below this, there is a 'Version 249.272 - Status: ACTIVE' section. The 'ASSOCIATED SUBJECT SETS' section lists four items with checkboxes:

- 891_frames_Blue mussels_bilder_nmi18_patches_2018-07-26 (#102168)
- 901_frames_Blue mussels_bilder_hob16_patches_2018-07-26 (#102167)
- Clips_challenge_1c_11_05_2021 (#94950)
- Common sea pen_12_05_2021 (#95004)

On the right, the 'FILE INPUT' section shows a 'Data' tab and an 'Images' tab. Under 'SURVEY IMAGES', there is a 'Delete all' button and a 'Page 1 of 1' indicator. Two image thumbnails are visible: 'Bolocera_2.jpg' and 'Acesta excavata_4.jpg'. An arrow points from the text 'Copy this text to your choices.csv' to the filename 'Bolocera_2.jpg'.

Step 2.1.2: Upload your csv-files to zooniverse

Pressing each “Add x” will allow you to upload the corresponding file

INSTRUCTIONS

The survey task is ideal for asking volunteers to identify wildlife species in camera trap photos, but can be used anytime you have a lot of choices you need volunteers to filter from.

[See here](#) for detailed instructions.

[Click here](#) to download Choices, Characteristics, Confusions and Questions templates.

You can Apply changes after adding an individual csv file or many csv files.

FILE INPUT

Data	Images
Add choices	?
Add characteristics	?
Add confused pairs	?
Replace questions	?

Apply Clear

NEXT TASK

(Submit classification and load next subject)

APPLIED SURVEY DATA **Delete all**

Don't press

Step 2,2,1: Set up your frame workflow

Setting up the frame workflow is relatively straightforward, you add or remove classifications as you see fit. Here you can also choose the type and colour of your classification bounding box. In general we choose the “Rectangle” type task for object detection models

You can also choose colour for your annotation markers, to make it easier to differentiate between different classifications.
(and also spot mistakes easier)

Example of classes for annotation

HELP TEXT

Tagging animal #
Drawing rectangles around each animal can be a challenge.
\
To help you with this task, we put together some examples below on how to draw multiple rectangles, coral annotations and photos without corals.

Add text and images for a window that pops up when volunteers click "Need some help?" You can use markdown to format this text and add images. The help text can be as long as you need, but you should try to keep it simple and avoid jargon.

CHOICES

Allow hiding marks

Round goby

Type: rectangle
Color: Red
Min: 0 Max: ∞
Sub-tasks (0) Ask users a question about what they've just drawn.

Black goby

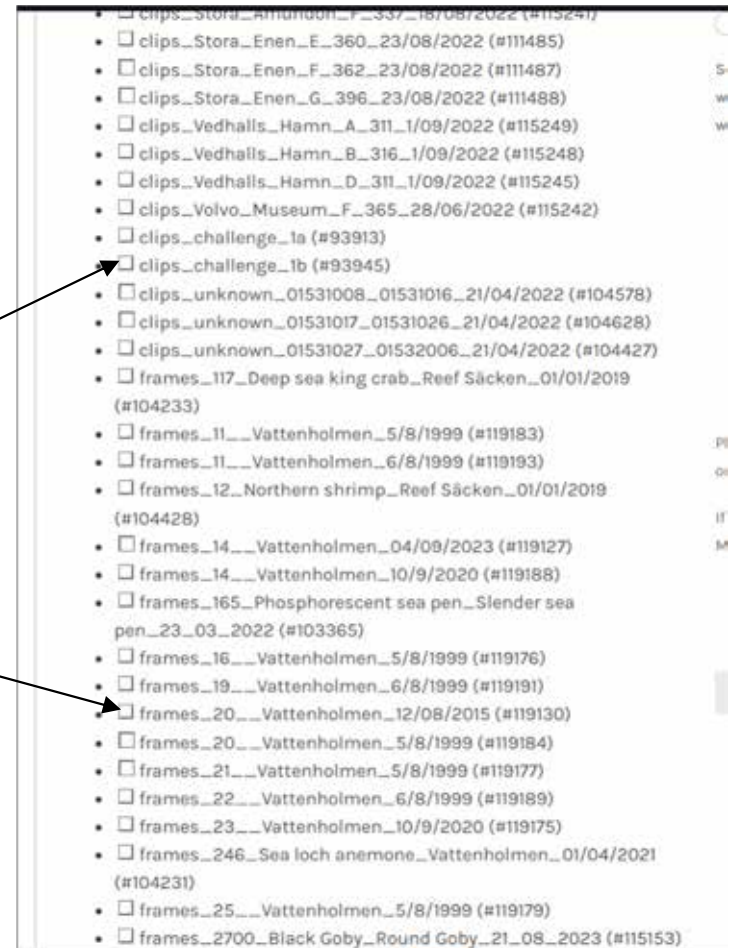
Type: rectangle
Color: Black
Min: 0 Max: ∞
Sub-tasks (0) Ask users a question about what they've just drawn.

Step 3: Populating the workflow

This step can only be done after having run through either Notebook 3 or 4 in Jupyter Notebooks for your project

1. Notebook 3 for Video clip workflows
2. Notebook 4 for Frame workflows

Depending on what type your workflow is, you either choose clips or frame subject sets associated with your project



Step 4: The finishing touches

Before you finish up, you need to decide what your “retirement count” for the subjects in the subject set is to be, the retirement count means “how many people need to agree on an annotation before it is retired and used for training?”

Commonly, for expert annotation workflows, we set a retirement count of 1

For public workflows, we set a retirement count of 5 (the default)

Lastly, to finish up, you can either mark it as **Public** (Press **Active**) or keep it **Private** (do not press **Active**)

MULTI-IMAGE OPTIONS

Choose how to display multiple images

Show flipbook

Allow users to choose flipbook or separate frames

Clone markers in all frames

Flipbook Play iterations

An empty iteration value denotes infinite loop.

Allow Users To Flip Image Color

Subject retirement

How many people should classify each subject before it is "done"? Once a subject has reached the retirement limit it will no longer be shown to any volunteers.

If you'd like more complex retirement rules, please get in touch via the [Contact Us](#) page.

[Test this workflow](#)

[Delete this workflow](#)

KSO_Species location (intermediate) (#12852)	100 % Complete	<input type="checkbox"/> Active
GU_Fish_ID (#23483)	19 % Complete	<input checked="" type="checkbox"/> Active

Private

Public

The Zooniverse workflow experience (a example)

The screenshot displays the Zooniverse workflow interface. On the left, a video frame shows a red bounding box around a starfish. A red 'FINISHED!' banner is in the top-left corner. A toolbar on the right of the video includes zoom, refresh, and close icons. Below the video are icons for information, help, and a list. On the right, the 'TASK' panel contains instructions: 'Select a species from the list below. Then draw one rectangle around *each single* individual. If you don't see any species or if its hard to identify - just press "Done".' and 'Make sure you choose the right species before your draw the next rectangle. The color of the rectangles helps distinguishing the tagged species.' Below this is a list of species: 'Red cushion star' (1 drawn) and 'Fan shaped sponge' (0 drawn). A 'NEED SOME HELP WITH THIS TASK?' section contains 'Done & Talk' and 'Done' buttons. A 'TUTORIAL' tab is also visible. A vertical 'FIELD GUIDE' button is on the far right.

Annotations:

- Bounding box
- Your choices
- "Done, but need to add/ask something"
- "Help"