

Behaviour and Environment Evidence Base

ZooMonitor Observer Tutorial



Welcome to the BEEB ZooMonitor observer tutorial. This document provides guidance for an observer being introduced to ZooMonitor for behavioural observations. The document will provide information on navigating the ZooMonitor app and using all of its features as an observer.

If you are looking for guidance on being an administrator and using the admin login, please refer to our admin tutorial which can be downloaded and viewed on our website. For administrators, we would still recommend reviewing this document before proceeding to the admin tutorial to gain an understanding of the ZooMonitor app.

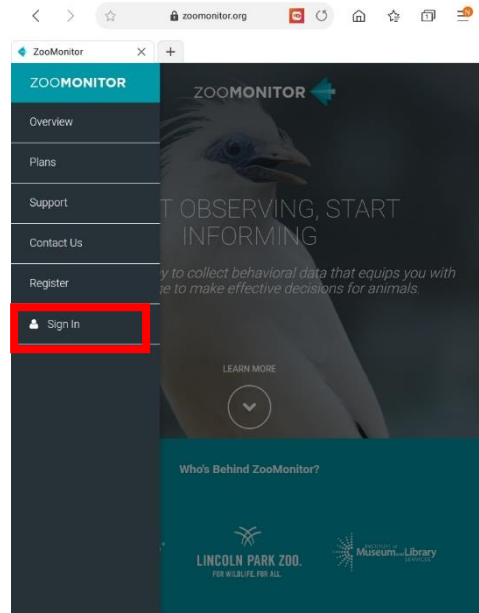
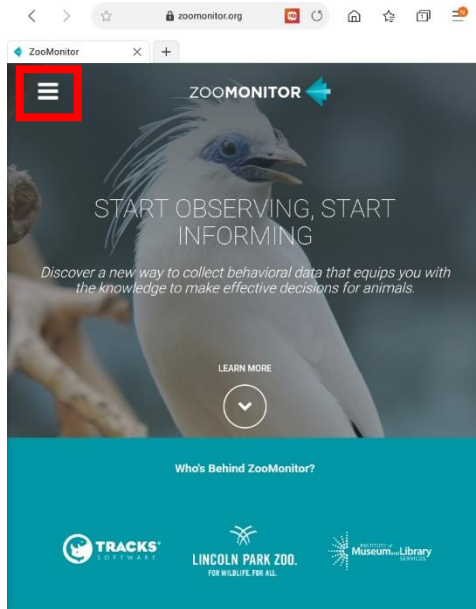
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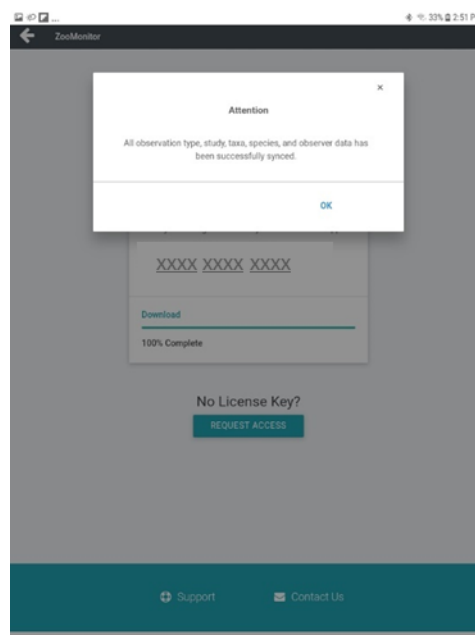
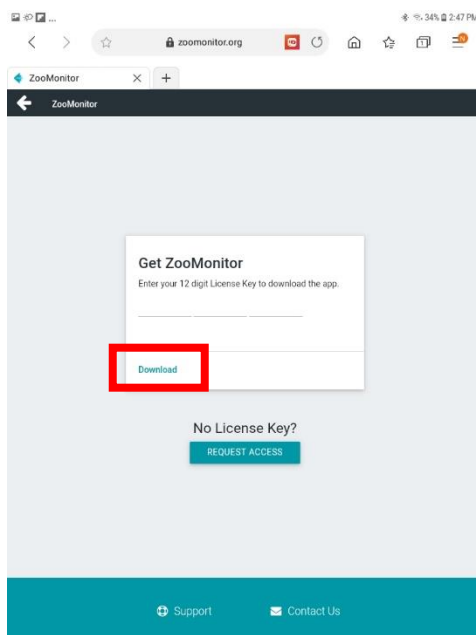
Getting started with ZooMonitor

ZooMonitor works on any web browser. It is not an app you download from an app store.

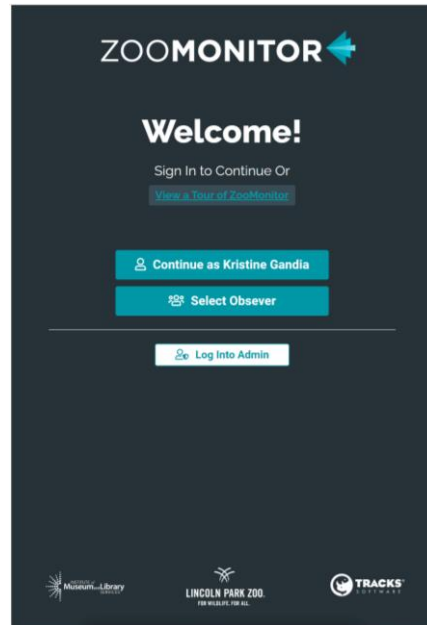
1. Open web browser and enter “zoomonitor.org” into the address bar
2. Click on the three bars in the upper left corner and click sign in



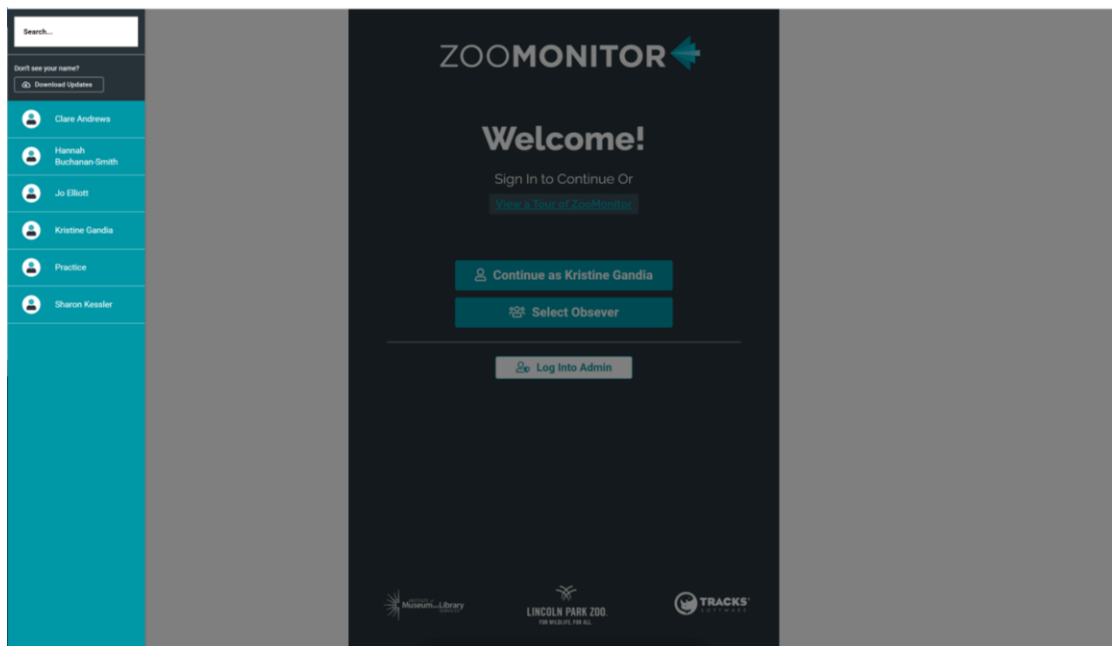
3. Enter the License key either you or your institution received after registration in the field provided. Then click “Download.” Press “OK” on the pop up window.



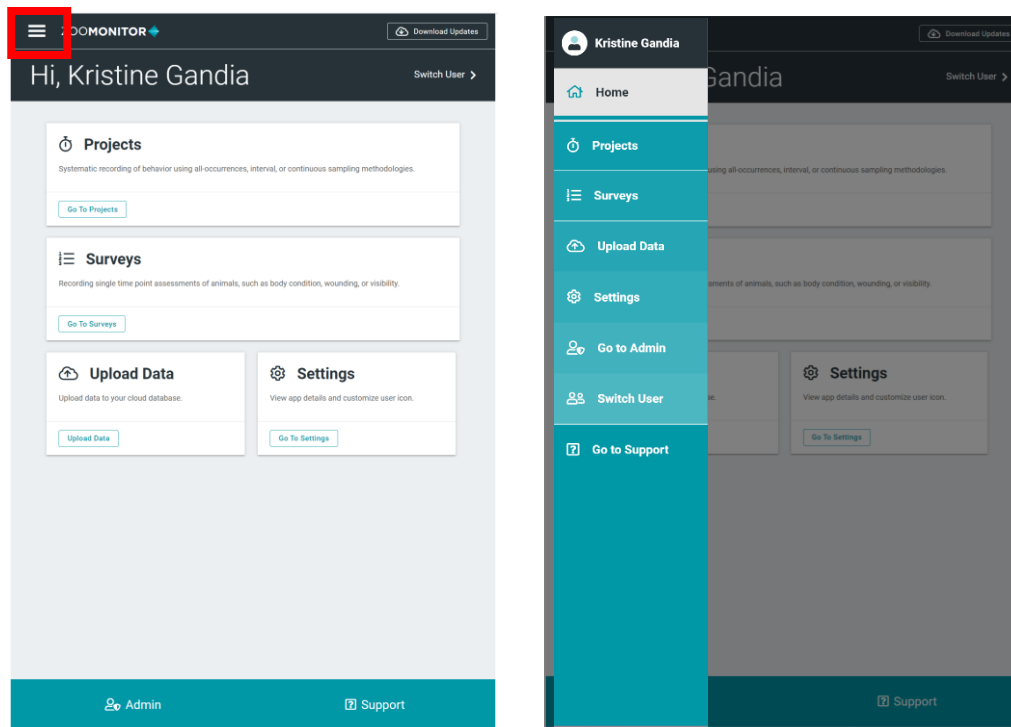
- Now that the app is downloaded to your web browser, this will be the screen you see when you visit zoomonitor.org. Note that if you use multiple web browsers (e.g. Firefox, google chrome, etc.) you will have to download the app individually into every browser following this same process.



- Click “Select Observer” and select your name.

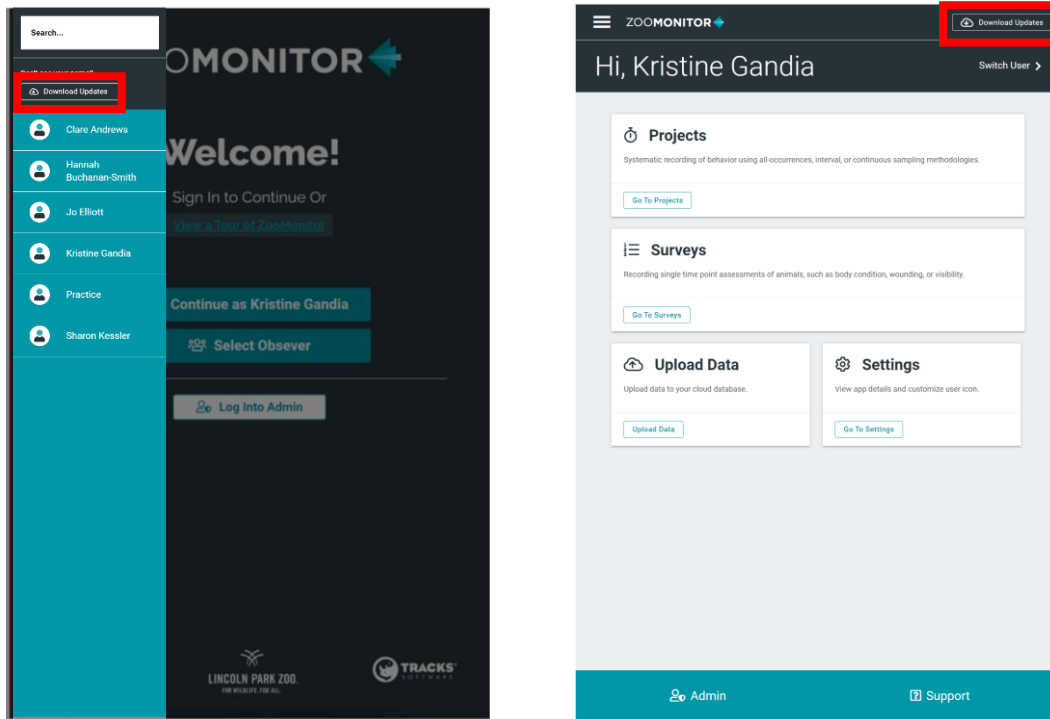


6. This is your Home page, you can navigate to different pages through the three bars on the top left or through the Home page. To get back to the Home page, open the navigation and click “Home.”

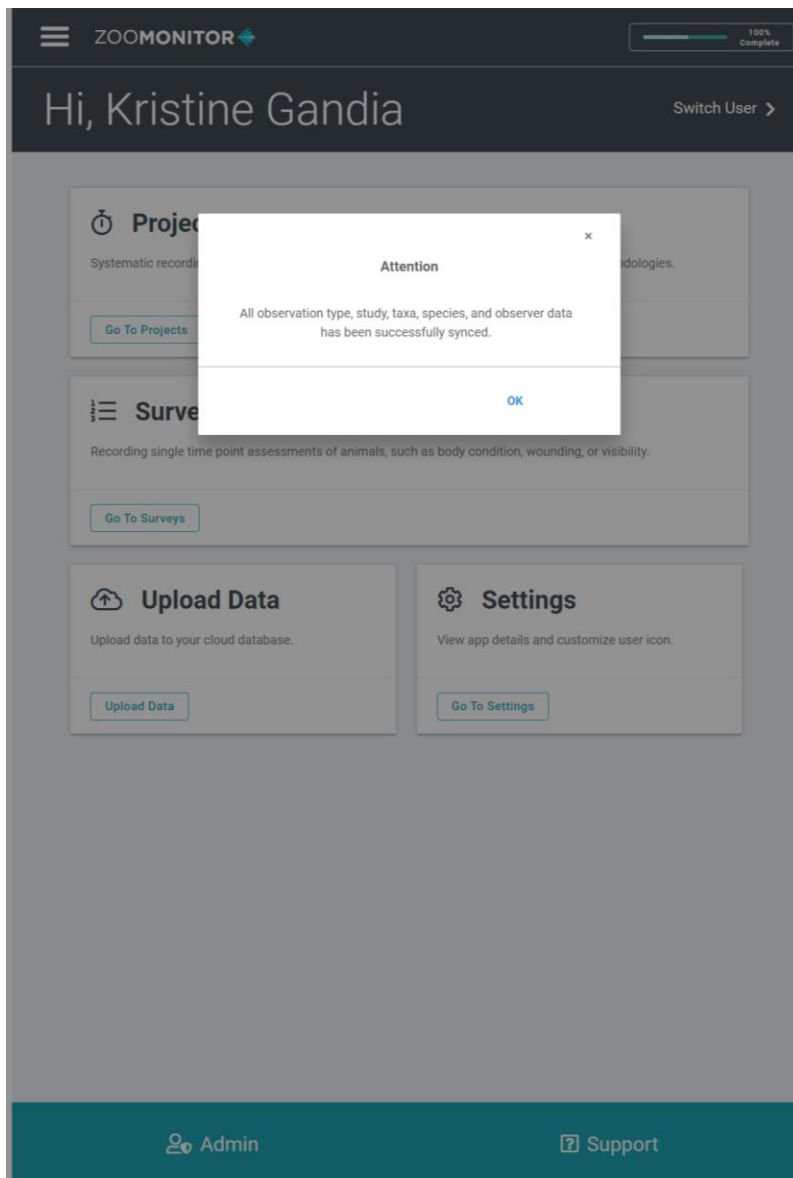


Synchronising Project Updates

Whenever you login, you should synchronise project updates to ensure that all of the projects and their configurations are up to date. You can do this by clicking “Download Updates” in the observer selection pop-up or at the top right of the screen once you are in the app. The top right button will be present in any page you navigate to. Once you press it, a loading bar will display underneath the button so you can see once the update is complete.

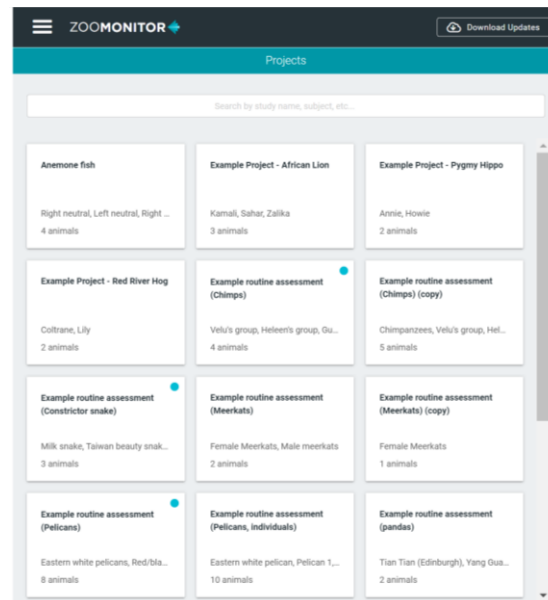
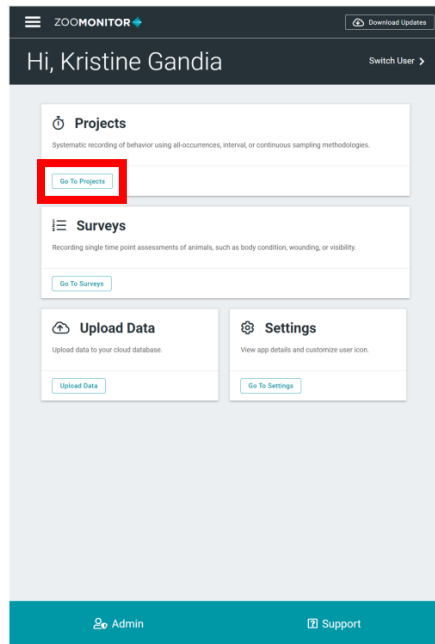


If successful, this dialogue box should appear.

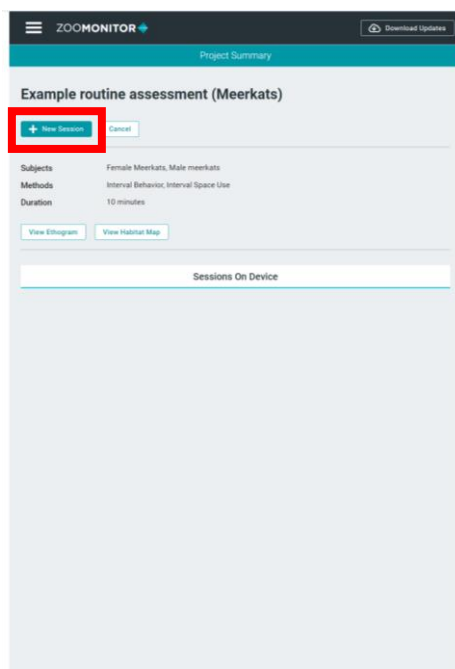


Behavioural measurements on ZooMonitor

1. Click on “Go To Projects” and select the species you want to record data for. Each observer will have a different set of projects in which they are active.



2. After selecting the species, click “New Session”

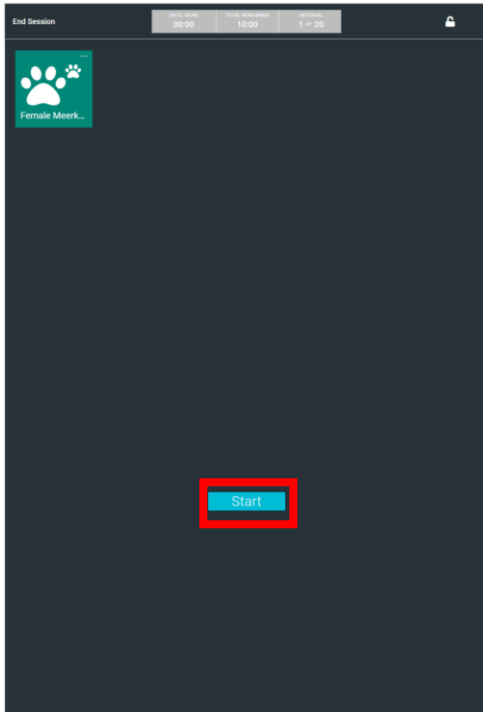


3. Select which individuals or group you would want to observe at one time. If you are unable to record data on multiple individuals/groups at once, deselect all other individuals/groups you will not observe. Answer any additional questions asked on this screen.

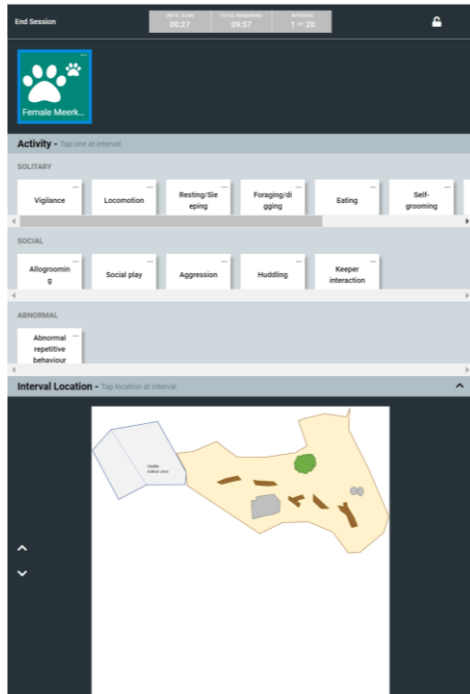
The screenshot shows the ZOOMONITOR interface for a 'Session Summary'. At the top, there is a 'Download Updates' button. Below the title bar, the session is titled 'Example routine assessment (Meerkats)'. A red box highlights the '+ Start Session' button, with 'Cancel' and 'Adjust Session Settings' buttons nearby. The 'Focal Subjects' section includes a 'Select / Unselect All' checkbox and two options: 'Female Meerkats (5)' (selected) and 'Male meerkats (5)' (deselected). The 'Habitat Map' section has a text input field containing 'Female meerkat enclosure' and a 'View' button. The 'Session Questions' section contains two input fields: 'Weather' with the value 'Sunny' and 'Temperature' with the value '10'. At the bottom, there is a 'Notes' section with a large text area.

4. Click “Start” once you are ready to begin the session.

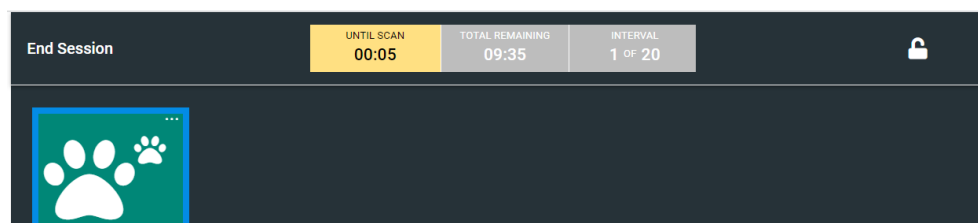
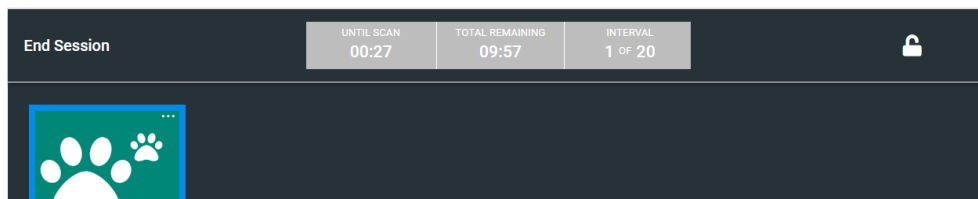
Note: on some devices the start button can be slightly unresponsive. Click it until you see a countdown on screen.



5. This is the kind of session interface you will see. If you have multiple individuals, a tile for each individual will be at the top (like the tile below with the paw prints). Select the individual you would like to start with by selecting the tile. A selected individual will have a blue outline like the tile below (more easily seen in step 6 below).



6. At the top of the screen, you will see information on the interval scans: amount of time until the next interval scan, total time remaining in the session, and the current interval out of the total intervals. The timer will turn yellow when there are 5 seconds until the next interval scan. At each interval, the screen will flash, and if the sound is on, you will hear a beep.

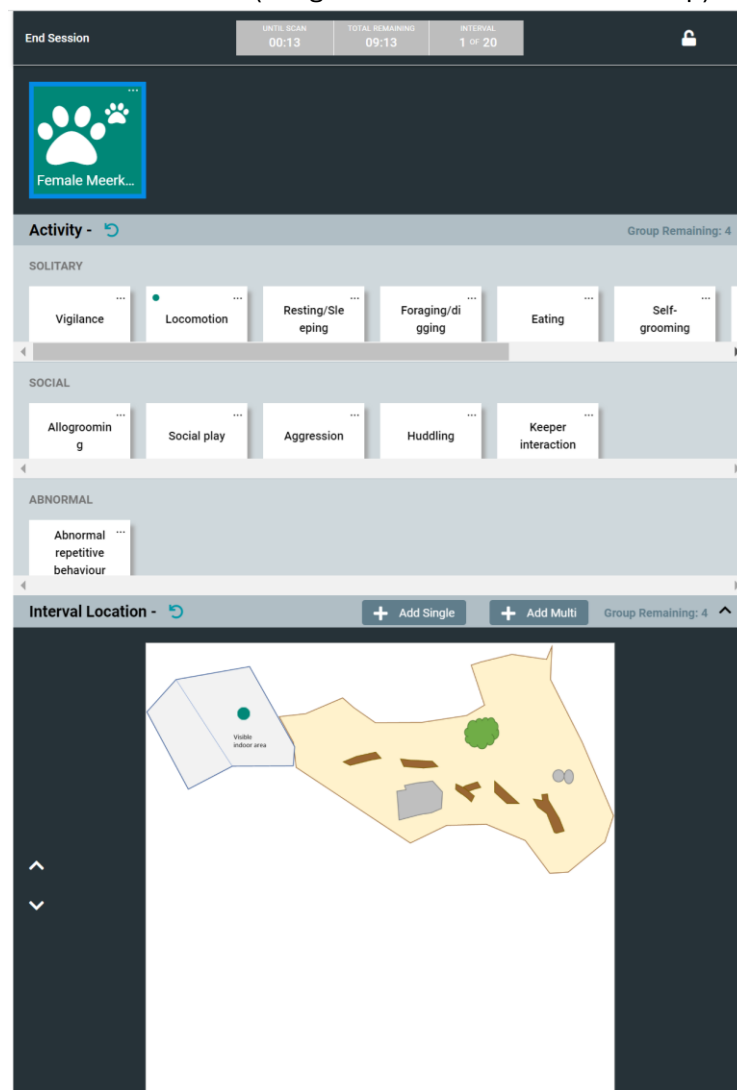


If you are recording multiple individuals at once, be sure the correct individual is selected and that you record them in the same order at each interval.

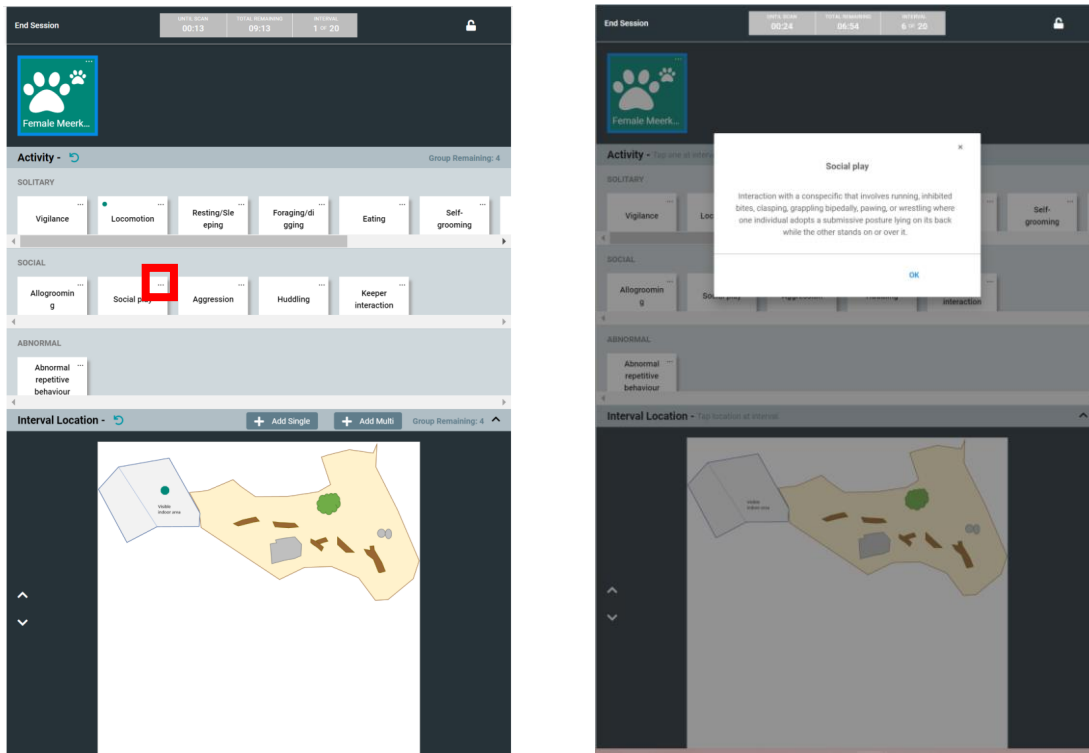
Depending on the project/species, there will be different sections that need to be recorded. Each section will have a bold, black heading and may have grey subheadings.

Below is a project with two sections: Activity and Interval location. 'Activity' has three subheadings: 'Solitary', 'Social', and 'Abnormal'.

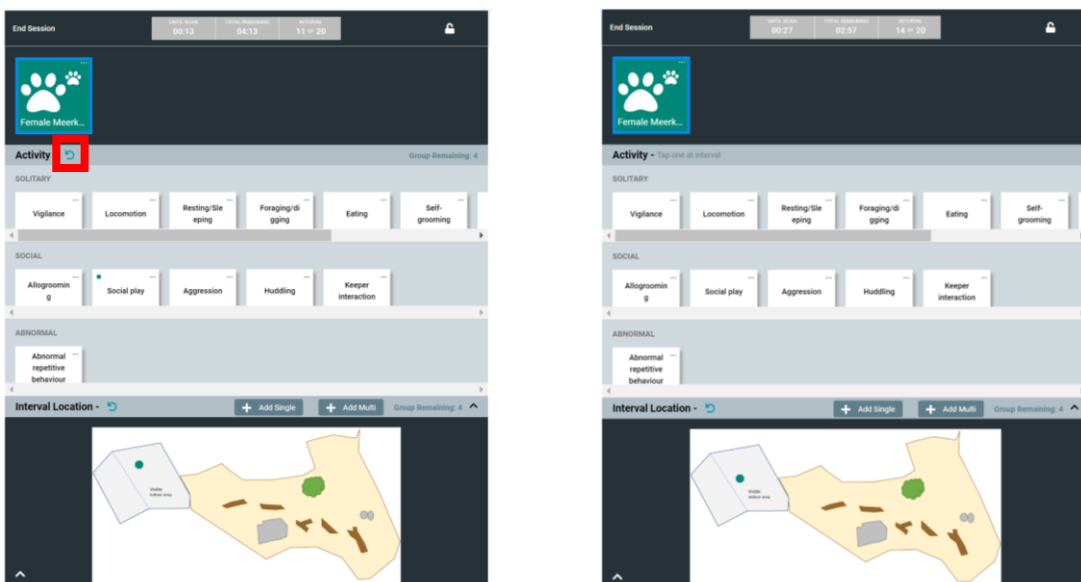
Be sure to select a category/behaviour for each section. **Note** that only one selection can be made within a section among all the subheadings. Below you can see a behaviour from the 'Activity' section was selected (the behaviour with a green dot in the top left corner) and the 'Interval location' was recorded (the green dot on the left of the map).



Note: If you are unsure of what behaviours fall under each category, you can click on the 3 dots at the top corner of any category and a dialog box will appear that defines it.



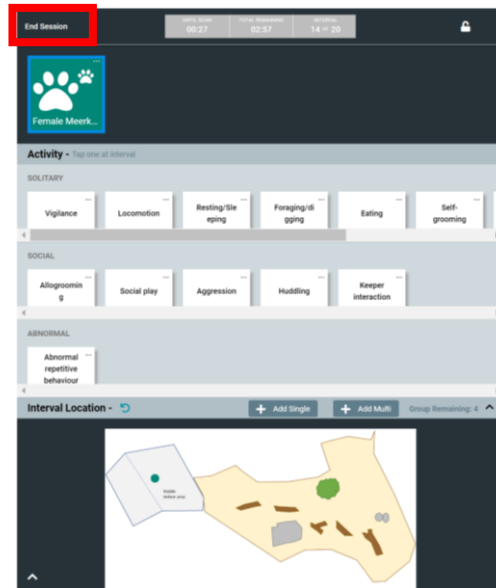
Note: To undo a selection, you can press the circular undo arrow at the top of the relevant section next to the section title. During individual observations, if you simply wish to select another behaviour, then you may click the other behaviour without having to clear the section first. For group observations, you must undo the selection.



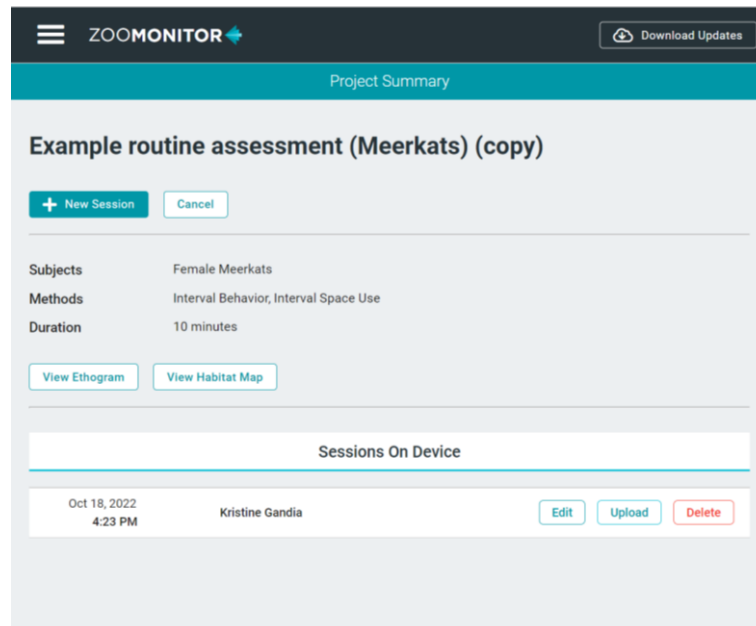
7. The last interval recording is when the timer stops. Therefore, before saving the session, **be sure to fill in the final interval**. Click on “Save Session” in the top left corner and “Save Session” when the dialog box opens.



Note: If you want to delete the session, click “Delete.” To delete it during the session click “End Session” in the top left corner and then “Delete” and “Delete Session” in the following two dialogue boxes.



8. After saving session, you will be returned to the “Projects” page.
9. To see the session you just saved, you can click on the project again and you should see the session listed.



Note: If you want to add a note or change any information from the initial screen, after the session is over and saved, you can press “Edit,” make any change, then click “Save.”

Project Summary

Example routine assessment (Meerkats) (copy)

+ New Session Cancel

Subjects: Female Meerkats
Methods: Interval Behavior, Interval Space Use
Duration: 10 minutes

View Ethogram View Habitat Map

Sessions On Device

Date	Time	Subject	Actions
Oct 18, 2022	4:23 PM	Kristine Gandia	Edit Upload Delete

Edit Session Summary

Example routine assessment (Meerkats) (copy)

Save Cancel Edit Session Data

Session Start Time

October 2022

SUN	MON	TUE	WED	THU	FRI	SAT
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

04 : 23 PM

Session Questions

Weather: Sunny

Temperature: 1

Notes

If you would like to correct an interval which you knew you made a mistake in during the session, you can click “Edit Session Data” then “Unlock Edits”, make the change to the desired interval, click “Lock Edits” and then “Save Changes.”

ZoomMonitor Edit Session Summary

Example routine assessment (Meerkats) (copy)

Save Cancel **Edit Session Data**

Session Start Time

October 2022

04 : 23 PM

Session Questions

Weather: Sunny

Temperature: 1

Notes

ZoomMonitor Edit Session Data

Example routine assessment (Meerkats) (copy)

Session Edit **Unlock Edits** Save Changes Cancel

Interval Behavior - Activity

Focal Name	Female Meerkats	Female Meerkats	Female Meerkats
Start Time	16:23:45	16:28:45	16:33:15
Frame Number	1	11	20
Behavior	Locomotion	Social play	Foraging-digging
Modifier 1			
Modifier 2			
Modifier 3			
Social Modifier			
Group Count	1	1	1
Delete			

Interval Space Use

ZoomMonitor Edit Session Data

Example routine assessment (Meerkats) (copy)

Session Edit **Lock Edits** **Save Changes** Cancel

Interval Behavior - Activity

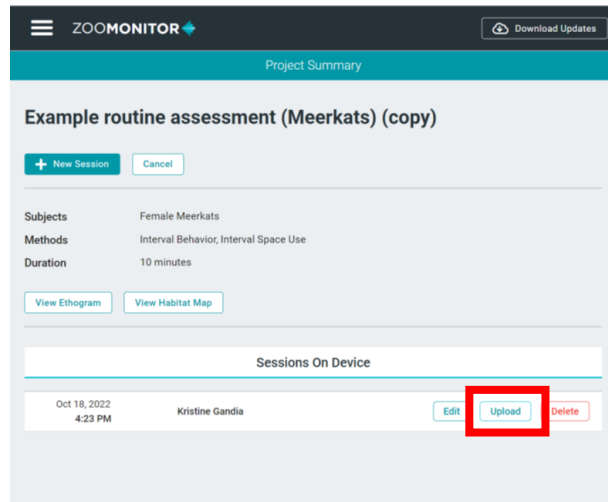
Focal Name	Female Meerkats	Female Meerkats	Female Meerkats
Start Time	16:23:45	16:28:45	16:33:15
Frame Number	1	11	20
Behavior	Locomotion	Social play	Foraging-digging
Modifier 1			
Modifier 2			
Modifier 3			
Social Modifier			
Group Count	1	1	1
Delete			

Interval Space Use

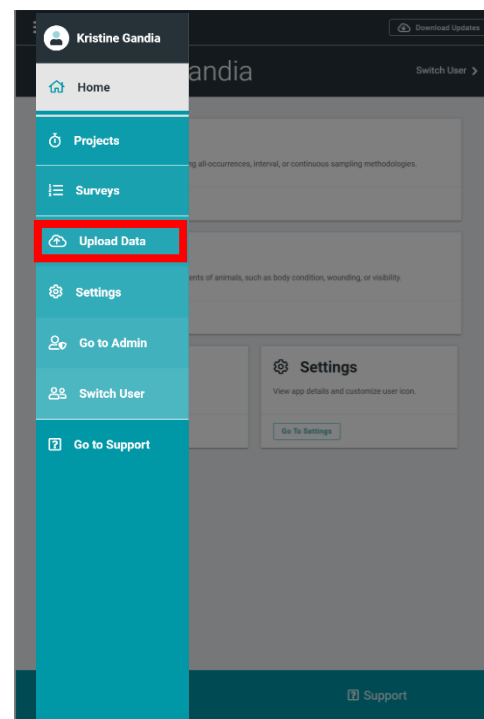
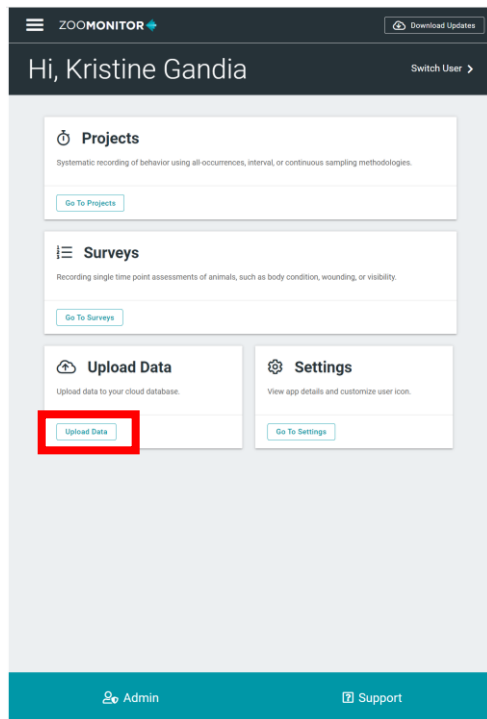
Uploading Data

Saved sessions will not be available to the Admin until they are uploaded. If they are not uploaded, they will remain saved in the device in which they were recorded.

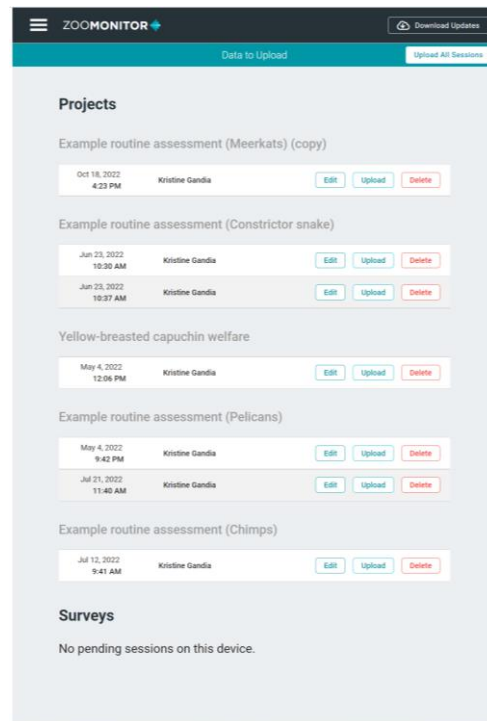
Sessions should be uploaded after they are saved. To do this you can click “Upload” on the screen after saving the session.



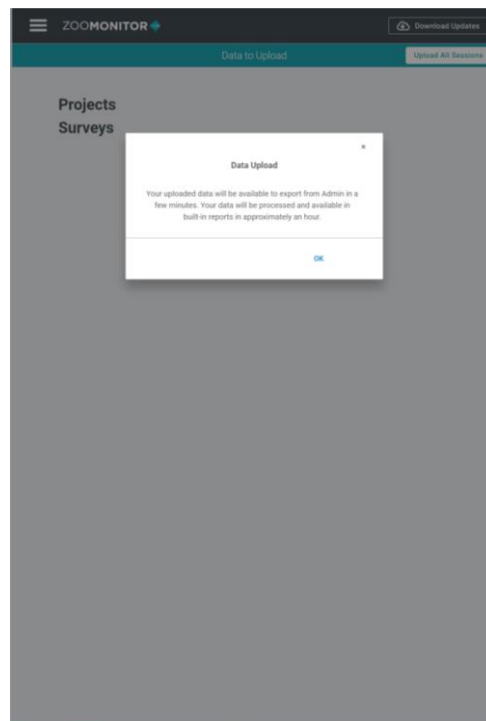
If you want to record multiple sessions before uploading, you can access the Upload page either through your Home page or the navigation tab.



You can either upload one session at a time by selecting “Upload” for each session or upload all of them at the same time by clicking “Upload All Sessions” in the top right corner.



If successful, you will see this message and the sessions will be cleared from the screen.



Troubleshooting

Refreshing accidentally

- Refreshing accidentally will cause a session to end in the middle. However, it will be saved.
- Because of this it is important to be aware how many intervals are left in a session.
- Should this happen, you may go back and begin a new session and complete the missing intervals, ending the session early when the intervals are completed. Make a note in the old and new session about what happened.
- If you do not remember how long was left in the session, you may check by entering the “Edit” screen. If you decide to simply complete an entire new session, make a note in the old session that it should be deleted.

ZooMonitor webpage users section comes up blank and you are unable to enter the main dashboard

- Download updates first to check if the list needs refreshing
- If the issue persists after downloading updates, you will have to uninstall and reinstall the ZooMonitor app
 1. Go to the web browser on which you have ZooMonitor installed.
 2. Clear browsing data and cookies in the web browser settings (this will delete the ZooMonitor app).
 3. Return to ZooMonitor webpage and reinstall the app.
 4. Re-enter the license key.