

Ingest eMammal Data for R

1. How to download data from the eMammal Website

To access and download data from the eMammal Website, go to <http://emammal.si.edu/analysis/data-download> (<http://emammal.si.edu/analysis/data-download>)

First, define the geographical areas of interest on the map



The screenshot shows the eMammal website interface. At the top, there is a navigation bar with the eMammal logo and the tagline "See Wildlife, Do Science". The navigation bar includes links for Home, About, View Photos, Explore Projects, Browse Data, and Resources. A search bar is also present. Below the navigation bar, the main content area displays "Step 1: Select an Area using the map." with instructions: "Click on the box icon on the left of the map to draw a box and select data. Circles with numbers represent clustered data, the blue boxes that appear when show the area that contains data. Click on the circles with numbers to zoom in on the area." The map shows a world map with various data points represented by colored circles with numbers. A blue box is drawn around a cluster of data points in North America. A checkbox labeled "Only use data within box" is checked at the bottom left of the map area.


Then, choose project and subproject(s) of interest within the specified region



The screenshot shows the eMAMMAL website interface. The header includes the logo, navigation links (Home, About, View Photos, Explore Projects, Browse Data, Resources), a search bar, and social media icons. The main content area is titled "Step 2: Choose projects." and contains instructions: "Select projects using the drop-down menu below and then click the 'Add selected data' button. You may only select one project at a time." Below the instructions are two drop-down menus labeled "Project" and "Sub-project". A note states: "To select a sub-project, first choose a project and then select a sub-project. Repeat to add another sub-project." At the bottom of the form are two buttons: "Add selected data" and "Reset data".

Then, choose the species of interest (multiple are allowed)

The screenshot shows the eMAMMAL website interface. The header is identical to the previous screenshot. The main content area is titled "Step 3: Choose Species" and contains instructions: "Choose species from the menu and then click the 'Add selected species' button. You can download data for all species or for selected species only. To download data for multiple species select and add species one at a time." Below the instructions is a drop-down menu labeled "Select a species to add" with the option "- Add all species -". A note states: "Species names are Scientific name/Common Name (# detections in map box)". At the bottom of the form are two buttons: "Add selected species" and "Remove last species".

Finally, download the data in your browser after agreeing to the terms


See Wildlife, Do Science

Login



Home
About
View Photos
Explore Projects
Browse Data
Resources

Step 4: Download Data

DATA, SOFTWARE, AND WEB SITE USER AGREEMENT

Please read this document carefully before downloading any data or images from eMammal.org . By clicking on “I accept” you agree to the terms and conditions outlined in this document.

This Data, Software, and Web Site User Agreement (this “Agreement”) is between you and the Smithsonian Institution (“SI”), which administers the eMammal program and the web site on the domain eMammal.org with the home page eMammal (the “Web Site”). By using the Web Site, the software on the Web Site (the “Software”), and/or accessing or using the images or metadata (the “Data”) from the eMammal database, you agree to and are bound by the following terms and conditions. If you are an individual who is using the Web Site or the Software and/or accessing or using Data on behalf of an organization, corporation or other entity, you unconditionally represent and warrant that you are legally authorized to act on behalf of that organization, corporation or other entity and to bind it to the terms of this Agreement:

I. GOALS

The aim of the eMammal program is to facilitate the sharing of camera trap images and data for the uses of research and education. Currently, the databases include the terrestrial vertebrate database for multiple individuals within SI, Wildlife Conservation Society, and individual researchers. eMammal encourages collaboration with other institutions and individuals. eMammal recognizes the power of camera trap sampling to collect data on the distribution and abundance of a broad range of terrestrial and semi-terrestrial birds and mammals, often beyond the goals and objectives of a single research project.

☐ I agree to the eMammal Data, Software, and Web Site User Agreement

The dataset is a .csv file and the filename will always begin with “sianctapi-selected-observations-” followed by a unique alpha-numeric code.

2. The Dataset

eMammal datasets contain 18 columns and one row for each detection (sequence). The columns are defined in the table below:

Column Name	Description
Project	The title of the project the data were collected under
Subproject	The title of the subproject the data were collected under
Treatment	The treatment for that deployment, project specific i.e. bait or no bait
Deployment Name	The name of the camera deployment
ID Type	All ID types will be “Researcher” indicating the data have been expertly reviewed and finalized
Deploy ID	A unique alphanumeric identifier for the deployment
Sequence ID	A unique alphanumeric identifier for the detection (i.e. sequence of photos represented by that row of data). Multiple rows may have the same sequence ID if multiple species/sexes/ages were detected in the same sequence of photos
Begin Time	The timestamp when the sequence began

Column Name	Description
End Time	The timestamp when the sequence ended
Species Name	The detected species <input type="checkbox"/> latin name
Common Name	The detected species <input type="checkbox"/> common name
Age	The age of the individuals detected (Adult or Juvenile)
Sex	The sex of the individuals detected
Individual	Whether or not the species has natural markings allowing individual identification
Count	The group size of that species in that sequence
Actual Lat	Deployment latitude
Actual Lon	Deployment longitude
Fuzzed	Whether or not latitude/longitude