

BioModelos

VERSION 2

Quick guide:
Expert users • Part I







biomodelos.humboldt.org.co/en

TASKS

1

Experts have the same functionalities that registered users (see guide), but also can suggest or join **groups**, and do any of the **following tasks** for the generation of species distribution models ▷

The group moderator ◁ will **add the tasks** you decide to carry out in the group's task panel (see moderator's guide)

- 01  **RECORDS CURATION**
Collaborative **data cleaning**
- 02  **MODEL EDITING**
Interactively display and select among several thresholds which best represents suitable environmental conditions for species, and **identify areas** of models over and under-prediction
- 03  **ECOLOGICAL VARIABLES**
Select suitable species **land covers** types
- 04  **APPROVED MODEL**
Validation of the **resulting model**, after is scored by the experts (1⊗ to 5⊕) with a higher than 3 score.

Part I
Part II

GROUPS

Suggest or join

2


- ▶ Go to the “GROUPS” page
- ▶ You can **suggest** a new group or **join** an existing one

The screenshot shows the BioModelos website interface. The top navigation bar includes links for HOME, MODELS, GROUPS, LOG IN, and SIGN UP. The 'GROUPS' link is highlighted with a red arrow. Below the navigation bar, the main content area displays a grid of various biological groups. Each group entry includes a representative image, the group name, the moderator's name, and the number of species and members. A 'SUGGEST GROUP' button is located on the left side of the grid, with a red arrow pointing to it. The footer of the page contains the logo of The Alexander von Humboldt Institute for Research on Biological Resources and the Program of Biodiversity Assessment and Monitoring, along with additional links for MODELS, PUBLISH, ABOUT, and CONTACT.

Group Name	Moderator	Species	Members
Zanias de Colombia	Cristina Lopez Gallego	20	17
Magnolias de Colombia	Norberto Lopez Alvarez	34	17
Primates de Colombia	Francisco Henao Diaz	38	28
Herpetos de Colombia	Juan Manuel Daza	67	61
Invasoras de Colombia	Sandra Estrada	32	33
Aves de Colombia	Sergio Chaparro-Herrera	279	36
Orquideas de Colombia	Samuel Monsalve Correa	5	25
Libélulas de Colombia	Juan Camilo Lara-Contreras	13	5
Mariposas de Colombia	Blanca Huertas	0	2
Tortugas marinas	Cristian Ramirez Gallego	0	1
Plantas de Bosque Seco	Laura Toro	53	28
Palmas	Maria Jose Sanin Perez	51	8

- ▶ Complete the **information**
- ▶ BioModelos core team will **assess** group suggestions

BIOMODELOS GROUPS



SUGEST GROUP

Enter the information below about the group you want to suggest so we can contact you:

Group name

Possible moderator

Short description

SEND

GROUP NAME

Usually groups are named according to their **taxonomic focus**, but can be other attributes

POSSIBLE MODERATOR

Name yourself or another expert as the **group leader** (see Moderator's guide)

SHORT DESCRIPTION

Group **purpose** and any other information that you find relevant

GROUPS

Join


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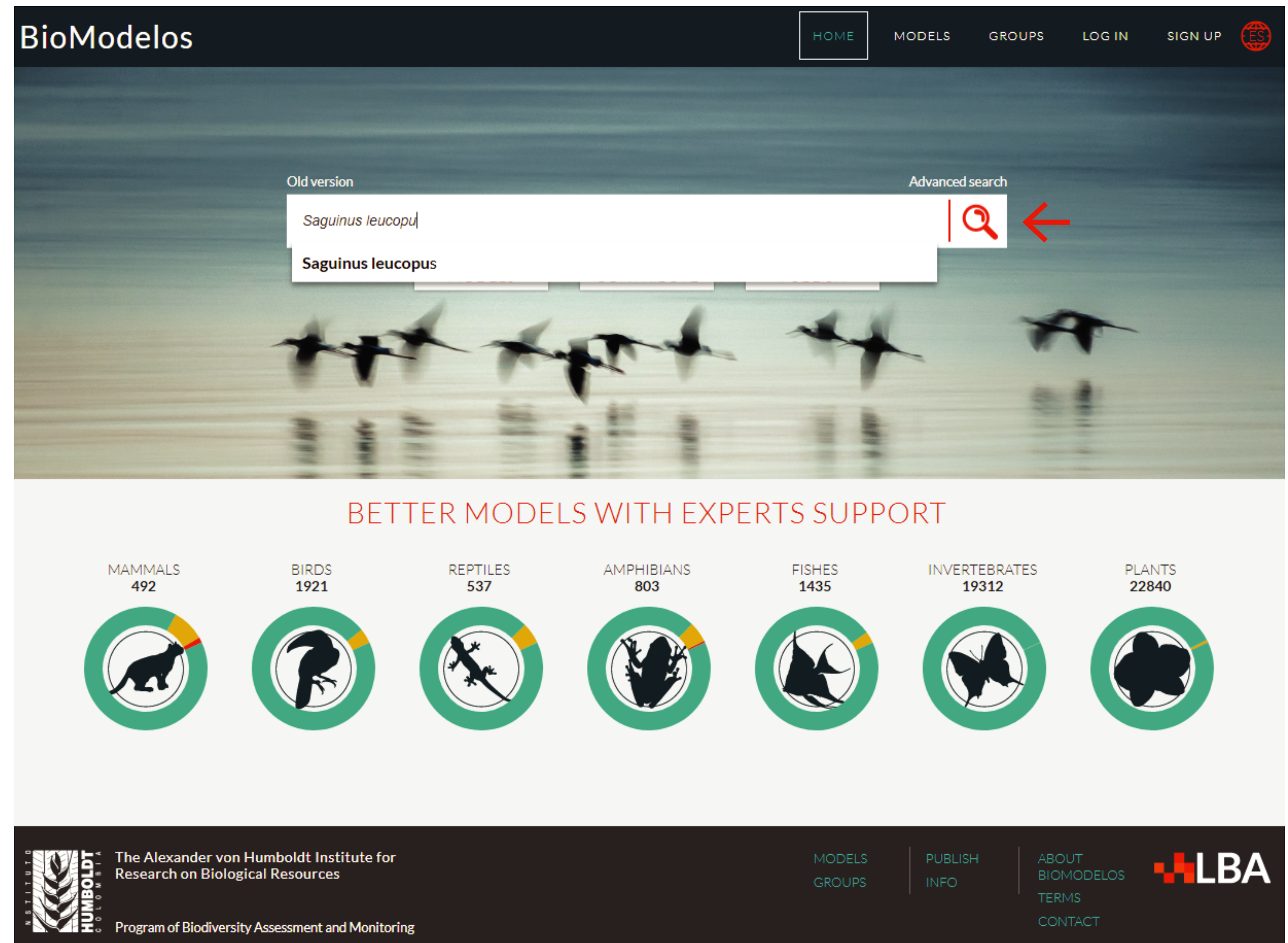
- ▶ Click on a group's name
- ▶ 1. Request to join the group by **clicking the icon** below the group's name
- ▶ 2. Find if your **species of interest** is part of the group's modeling agenda in the "SPECIES" option, or **suggest** it to be added

The screenshot displays the 'PRIMATES DE COLOMBIA' group page. The top navigation bar includes tabs for 'STATISTICS', 'TASKS', 'ACTIVITY', 'SPECIES', and 'EXPERTS'. The 'STATISTICS' tab is active, showing three metrics: 'GROUP EXPERTS' (28), 'ASSIGNED SPECIES' (38), and 'SPECIES WITH TASKS' (1). A red arrow labeled '2' points to the 'SPECIES' tab. On the right, a circular profile picture of a red howler monkey is shown, with a red arrow labeled '1' pointing to a user icon next to it. Below the profile picture, the 'Moderator(s)' are listed as Francisco Henao Diaz and Pablo Stevenson, with a link for 'Moderator message'. The 'SPECIES' tab is also shown, featuring a 'SUGGEST SPECIES' button, a text input field for 'Enter species scientific name', and a list of 'Species names' with 'Aotus lemurinus' as an example.

RECORDS CURATION

Using *Saguinus leucopus*

- ▶ Start writing the **name of the species**
- ▶ Select the **correct name** from the drop-down list
- ▶ Click on 



The screenshot shows the BioModelos website interface. At the top, there is a navigation bar with links: HOME, MODELS, GROUPS, LOG IN, and SIGN UP. Below the navigation bar is a large banner image of birds in flight. Overlaid on the banner is a search bar. The search bar has a dropdown menu showing the text "Saguinus leucopus" and a search icon (magnifying glass) to its right. A red arrow points to the search icon. Below the search bar, there is a section titled "BETTER MODELS WITH EXPERTS SUPPORT" which displays seven categories of models: MAMMALS (492), BIRDS (1921), REPTILES (537), AMPHIBIANS (803), FISHES (1435), INVERTEBRATES (19312), and PLANTS (22840). Each category is represented by a circular icon with a silhouette of the animal or plant. At the bottom of the page, there is a footer with the logo of The Alexander von Humboldt Institute for Research on Biological Resources, the Program of Biodiversity Assessment and Monitoring, and the LBA logo.

BioModelos

HOME MODELS GROUPS LOG IN SIGN UP

Old version

Advanced search

Saguinus leucopus

Saguinus leucopus

BETTER MODELS WITH EXPERTS SUPPORT

MAMMALS 492

BIRDS 1921

REPTILES 537

AMPHIBIANS 803

FISHES 1435

INVERTEBRATES 19312

PLANTS 22840

The Alexander von Humboldt Institute for Research on Biological Resources

Program of Biodiversity Assessment and Monitoring

MODELS GROUPS

PUBLISH INFO

ABOUT BIOMODELOS TERMS CONTACT

LBA

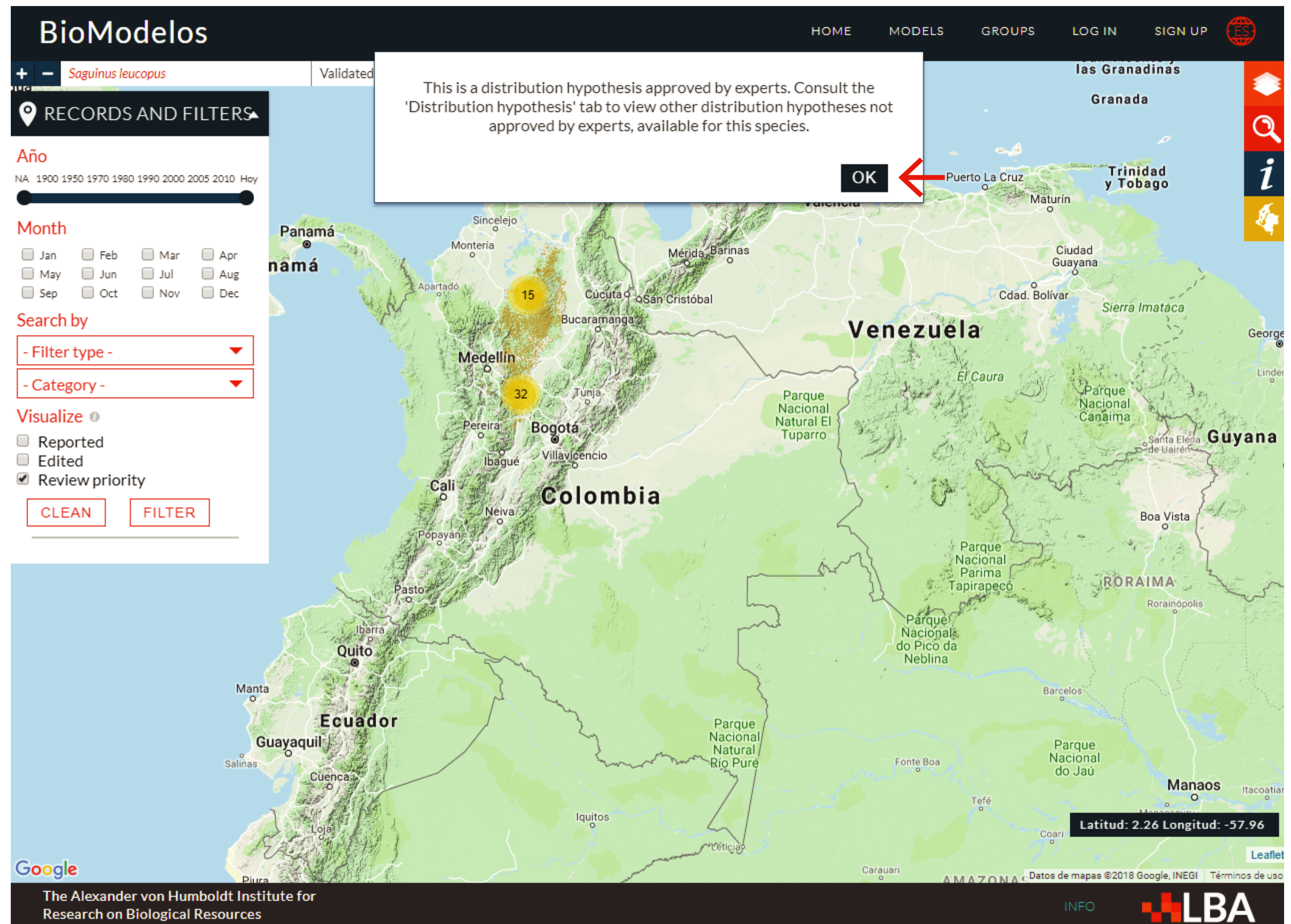
RECORDS CURATION

6

Using *Saguinus leucopus*

► Select “OK” on the pop-up message

(This message describes the status of the species distribution model)



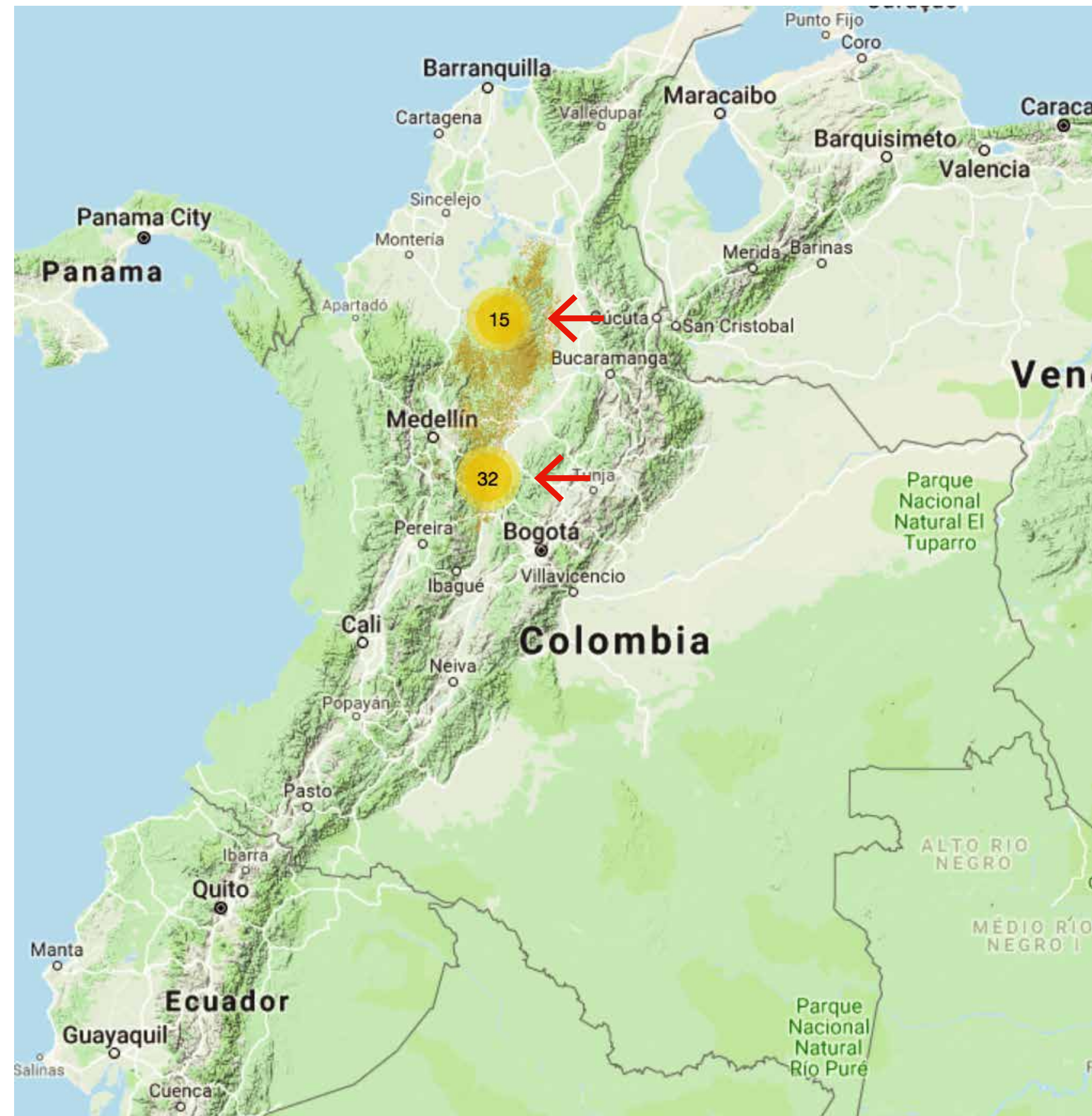
RECORDS CURATION

Using *Saguinus leucopus*

7

► Explore the
occurrences

(Clicking the
«circles-number»)
and the available
distribution model



RECORDS CURATION

8

Using *Saguinus leucopus*

▶ Activate the
layers of interest
to review the data



RECORDS CURATION

9


Using *Saguinus leucopus*


► You can **filter** the occurrence data by date, associated information or status in the “**RECORDS AND FILTERS**” box

Date

Associated information

Status

 RECORDS AND FILTERS ▲

Year
NA 1900 1950 1970 1980 1990 2000 2005 2010 Hoy


Month
☐ Jan ☐ Feb ☐ Mar ☐ Apr
☐ May ☐ Jun ☐ Jul ☐ Aug
☐ Sep ☐ Oct ☐ Nov ☐ Dec

Search by

- Filter type - ▼

- Category - ▼

Visualize ⓘ
☐ Reported
☐ Edited
☒ Review priority

CLEAN

FILTER

RECORDS CURATION

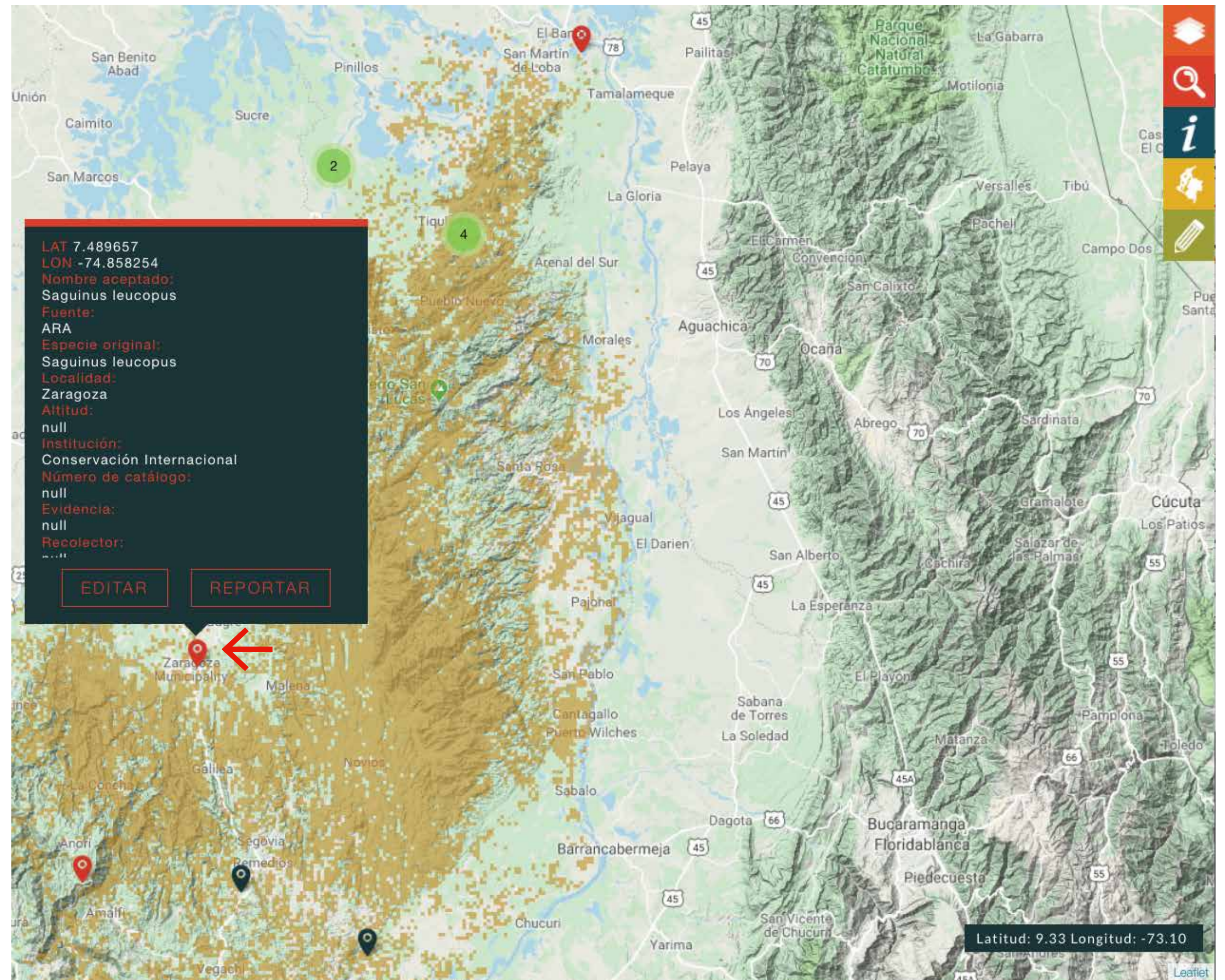
10

Using *Saguinus leucopus*

- ▶ Click on the **records icons** 📍 to show a information box

(It contains some information associated with the occurrence)

Records highlighted in red are “review priorities”



RECORDS CURATION

11

Edit record

- ▶ You can **correct some information** (coordinates, species name or locality) of the record
- ▶ **Send** your edits

The screenshot displays a map of a region in Colombia with two data entry pop-ups. The background map shows various towns and geographical features. A red pin is located near Zaragoza. Two green circles with numbers 2 and 4 are also visible on the map. The left pop-up shows a summary of record data, while the right pop-up provides fields for editing specific details. Red arrows point to the 'EDITAR' and 'ENVIAR' buttons.

Left Pop-up Data:

- LAT 7.489657
- LON -74.858254
- Nombre aceptado: Saguinus leucopus
- Fuente: ARA
- Especie original: Saguinus leucopus
- Localidad: Zaragoza
- Altitud: null
- Institución: Conservación Internacional
- Número de catálogo: null
- Evidencia: null
- Recolector: null

Buttons: EDITAR, REPORTAR

Right Pop-up Fields:

- LAT: 7.489657
- LON: -74.858254
- Nombre aceptado: Saguinus leucopus
- Fuente: ARA
- Especie original: Saguinus leucopus
- Localidad: Zaragoza

Buttons: ENVIAR, CANCELAR

Map Coordinates: Latitud: 9.33 Longitud: -73.10

RECORDS CURATION

12

Report record

- ▷ **Report** an error
- ▷ **Save** your report

Geographic outlier: The record is well georeferenced and identified but is probably an environmental or geographic outlier (i.e. accidental species)

Doubtful coordinates: The record is probably not well georeferenced

Doubtful identification: The record is probably not well identified

Outdated name: The name of the species has been updated to a new taxonomy

Introduced species: The record is well georeferenced and identified but has probably been introduced in the area (i.e. individuals in botanical gardens, zoos and those released or escaped)

Other (comment): Any other taxonomic or geographic issue that prevents its use in mapping the species distribution

LAT 7.489657
LON -74.858254
Nombre aceptado:
Saguinus leucopus
Fuente:
ARA
Especie original:
Saguinus leucopus
Localidad:
Zaragoza
Altitud:
null
Institución:
Conservación Internacional
Número de catálogo:
null
Evidencia:
null
Recolector:
...

EDITAR REPORTAR

REPORTAR REGISTRO

- ☐ Outlier geográfico
- ☐ Georreferenciación dudosa
- ☐ Identificación dudosa
- ☐ Nombre desactualizado
- ☐ Individuo introducido
- ☐ Otros (comentar)

Comentario

GUARDAR CANCELAR

RECORDS CURATION

13

Add record

- ▶ If you have **new data** for the species
 - ▶ 1. **Activate** the option
 - ▶ 2. **Locate** the record
 - ▶ 3. Fill the **information associated** with the record
 - ▶ 4. **Save** the new record

The screenshot shows the BioModelos interface for adding a new record. The left sidebar contains filters for Year, Month, Search by, Visualize, and an 'Add record' button. The main area is a form titled 'NUEVO REGISTRO' with fields for coordinates, altitude, date, location, observer, and observation text. Numbered annotations indicate the steps: 1 points to the 'Add record' button, 2 points to the location pin on the map, 3 points to the 'Tipo de registro' field, and 4 points to the 'GUARDAR' button.

BioModelos

+ - *Saguinus leucopus* Validated Salgar

RECORDS AND FILTERS

Year

NA 1900 1950 1970 1980 1990 2000 2005 2010 Hoy

Month

☐ Jan ☐ Feb ☐ Mar ☐ Apr
☐ May ☐ Jun ☐ Jul ☐ Aug
☐ Sep ☐ Oct ☐ Nov ☐ Dec

Search by

- Filter type -
- Category -

Visualize

☐ Reported
☐ Edited
☒ Review priority

CLEAN **FILTER**

Add record

1 ← 1

NUEVO REGISTRO

Lat 4.23 Lon -76.25

Altura

Fecha YYYY MM DD

Departamento

Municipio

Localidad

Tipo de registro 3

Observador

Cita

Número de catalogo

Colección

Institución

Ingrese una observación

GUARDAR **CANCELAR**

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