



EARTH DAY WORKSHOP: iNaturalist and Campus Biodiversity

Presented as part of the UNCG Spring 2022 Campus Nature Challenge



UNC
GREENSBORO
University Libraries

UNCG
GREEN FUND



SUSTAINABILITY NATURE CHALLENGE

APRIL 18-24



Download the **iNaturalist App**

Join the UNCG Campus Nature Challenge

Identify plants, animals, insects, and more!



Take pics of these!

Win these!

Campus-wide Bioblitz with prizes awarded to
students for most species found and best photos!

#UNCGNatureChallenge

Official rules: www.sustainability.uncg.edu



Today's Topics



01

What is iNaturalist

02

iNaturalist and biodiversity research

03

How to use iNaturalist

04

Biodiversity at UNCG:
Nature walk through Peabody Park

01



What is iNaturalist?

iNaturalist is a citizen science tool that lets everyone participate in scientific research by submitting observations and identifying species of plants, animals, and fungi.



Observations

Species

Location

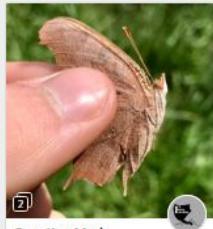
The World

94,053,176
OBSERVATIONS

344,077
SPECIES

240,367
IDENTIFIERS

Map Grid List



“One of the world’s most popular nature apps, iNaturalist helps you identify the plants and animals around you [using your phone, computer, or tablet].”

www.inaturalist.org

The iNaturalist Network's goals:

- Connect people with nature and a community of naturalists and scientists
- Create research quality biodiversity data

Who you are

You'll need to make an **iNaturalist account** and please only post your own personal observations



Where you saw it

Record both the coordinates of the encounter as well as their accuracy. You can obscure the location from the public



What you saw

Choose a group of organisms like **butterflies** or better yet a specific organism like the **Monarch butterfly**. If you provide evidence you can leave this blank and the **community can help**



When you saw it

Record the date of your encounter, not the date you post it to iNaturalist

Evidence of what you saw

By including evidence like a **photo or sound**, the community can help add, improve, or confirm the identification of the organism you encountered. Help the community by taking clear well framed photos, by including multiple photos from different angles

UNCG Community Projects



2022 Spring UNCG Nature Challenge

The goal of CNC is to engage citizen science to increase biodiversity awareness while cataloging the biodiversity on campus from April 18 - 24, 2022.

Bird-Window Collisions at UNC Greensboro

Location-specific data on bird casualties from collisions on the UNCG campus will be applied towards influencing administrative changes to protect birds and promote biodiversity in the campus ecosystem.

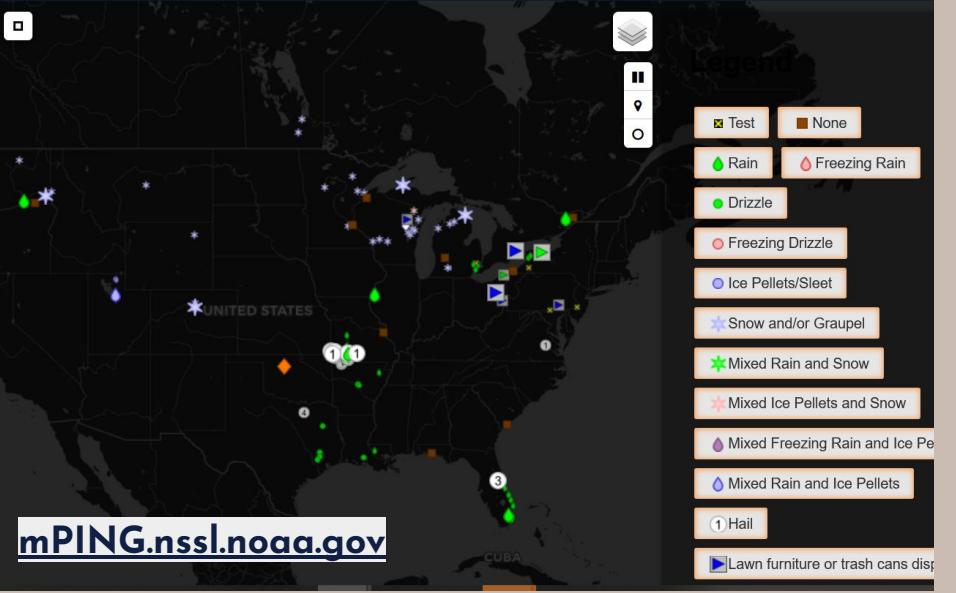
City Nature Challenge 2022: Piedmont, NC

Join the Greensboro Science Center in the City Nature Challenge 2022 to see which city/region can document the most species from April 29 - May 2, 2022.

02



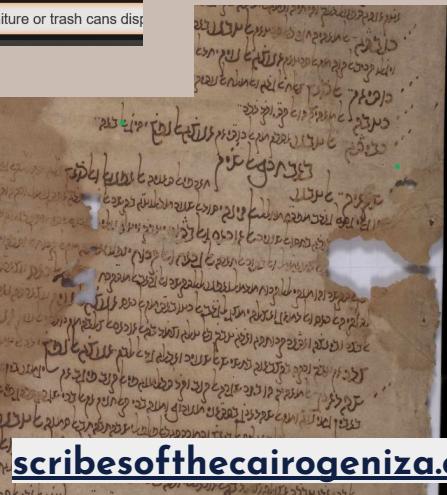
iNaturalist and biodiversity research



CITIZEN SCIENCE:

Public participation in scientific research

scribesofthecairogeniza.org



TRANSCRIBE

The Arabic language reads from right to left, so start on the right side.

Text Area Content

(Insertion Deletion Damaged Drawing Grid

SHOW PREVIOUS MARKS

ض	ص	ث	ث	ق	ق	ف	خ	غ	ع	ع	ه	ه	د	د	ح	ح	ج	ج	ة	ة
ض	ص	ص	ص	ق	ق	ف	خ	غ	ع	ع	ه	ه	د	د	ح	ح	ج	ج	ة	ة
ش	س	س	س	ف	ف	ف	خ	غ	ع	ع	ه	ه	د	د	ح	ح	ج	ج	ة	ة
ش	س	س	س	ف	ف	ف	خ	غ	ع	ع	ه	ه	د	د	ح	ح	ج	ج	ة	ة
ظ	ط	ط	ط	ظ	ظ	ظ	ظ	ظ	ظ	ظ	ظ	ظ	ظ	ظ	ظ	ظ	ظ	ظ	ظ	ظ

Easier Count

Select a cell type from the list and mark as many of them as you can find. If you're not sure whether it is a separate cell use the 'not sure' marker. Try to get the mark in the middle of the cell. You can delete marks or move them around if needed.

If there's part of the leaf surface that is covered with debris or where it's very difficult to see cell boundaries, circle it using the 'Unclear patch' tool.

Further instructions for each tool are in the help box.

Stoma 0 of 1 required drawn

Regular cell 0 of 1 required drawn

Not sure 0 drawn

Unclear patch 0 drawn

NEED SOME HELP WITH THIS TASK?

[Next →](#)

40,587,330

iNaturalist observations archived in the Global Biodiversity Information Facility (GBIF)

2,317

Publications citing iNaturalist observations in the GBIF database 

03



How to use iNaturalist

1. Install the app (optional)

Google Play



Apple App Store



2. Create an account

In-app or at
www.inaturalist.org/signup

3. Join the Campus Nature Challenge

Search projects for "Spring 2022 UNCG"
in-app or click join at
[www.inaturalist.org/projects/
2022-spring-uncg-nature-challenge](https://www.inaturalist.org/projects/2022-spring-uncg-nature-challenge)

4. Add a picture and other information

Species Identification

Don't feel pressured to pick a species!

Location

Endangered species' locations are obscured or private.

Date & Time

Geotagged images will automatically add location.

Other Notes



5. Review observations and have fun!

Who you are

You'll need to make an **iNaturalist account** and please only post your own personal observations



Where you saw it

Record both the coordinates of the encounter as well as their accuracy. You can obscure the location from the public



What you saw

Choose a group of organisms like **butterflies** or better yet a specific organism like the **Monarch butterfly**. If you provide evidence you can leave this blank and the **community can help**

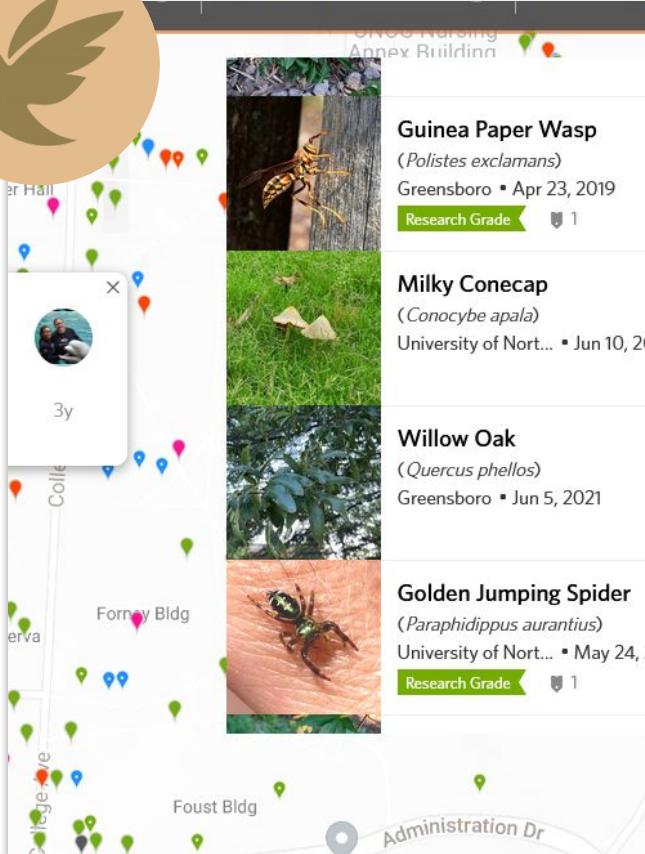


When you saw it

Record the date of your encounter, not the date you post it to iNaturalist

Evidence of what you saw

By including evidence like a **photo or sound**, the community can help add, improve, or confirm the identification of the organism you encountered. Help the community by taking clear well framed photos, by including multiple photos from different angles



THANKS!

Do you have any questions?

Jo Klein
GIS & Data Visualization Librarian
ejklein@uncg.edu

The 2022 Spring UNCG Campus Nature Challenge is funded by the UNCG Green Fund.

This presentation template was created by Slidesgo, including icons by Flaticon, illustrations by Stories, and images by Freepik, Lucas van Oort via Unsplash, and iNaturalist.