



## Zooniverse How-to Guide

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### About

Zooniverse is a Citizen Scientist web portal that gives people of all ages and backgrounds the chance to participate in real research with over 50 active online citizen science projects led by researchers.

The Zooniverse community consists of more than 1.6 million registered volunteers as of March 2019. The volunteers are often collectively referred to as "Zooites". The data collected from the various projects has led to the publication of more than 100 scientific papers. A daily news website called 'The Daily Zooniverse' provides information on the different projects under the Zooniverse umbrella, and has a presence on social media.

### 2021 BE with GLOBE

As part of the 2021 GLOBE Annual Meeting, GIO will again be hosting a "Benefit the Environment" or "BE with GLOBE" volunteer event. The acronym of GLOBE is "Global Learning and Observations to Benefit the Environment," and this optional time will highlight the "Benefit the Environment" part of the acronym. During the meeting, participants will be encouraged to sign up with Zooniverse, an online platform for people-powered research.

GIO has identified several projects that benefit science and our understanding of the environment (like counting penguins or checking images for pollinators). We would also like to highlight a GLOBE project! Participants can help NASA scientists identify cloud types, cloud cover, and events like dust storms and smoke plumes in sky photographs. (NASA GLOBE CLOUD GAZE is a partnership between NASA GLOBE Clouds and Zooniverse.) The resulting detailed information, or metadata, will validate GLOBE Cloud observations. So, BE with GLOBE and practice your cloud observations skills and help NASA study our skies.



## Creating a Zooniverse Account

To view Zooniverse projects you do not have to create an account. However, in order to participate and contribute to a project (classify, join conversations, view your classifications) You will need to create a Zooniverse account. To create a Zooniverse account, please use the following steps.

1. Go to the following page: <https://www.zooniverse.org/accounts/register>
2. Fill the form with the requested information.
3. If you are under the age of 16 make sure to check the box on the top of the form.

## Accessing Zooniverse Projects

To access Zooniverse projects you will need the link to the specific project.

For the GLOBE Annual Meeting Zooniverse projects, please use the following links:

### Annual Meeting Zooniverse projects:

[NASA GLOBE Cloud Gaze Zooniverse Project](#)

Why NASA CLOUD Gaze needs your help?

CLOUD GAZE can help NASA better understand the effect clouds are having on Earth's climate. Satellites have the ability to observe many different quantities in our atmosphere. One of these quantities are clouds! Although satellites retrieve vast quantities of data about Earth, they are not perfect in their ability to capture all the data needed to understand the Earth system properly. A satellite can only detect what it sees from its vantage point but can miss information that can be seen from an observer's vantage point such as a citizen scientist's perspective. This is why we need observations from citizen scientists through The GLOBE Program. When we compare the satellite data with the citizen science report sometimes they both match and sometimes they don't match at all. In the future, the data collected by citizen scientists will be used by researchers and scientists to gain a better understanding of clouds in our atmosphere.



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## [PollinatorWatch - Checking lowers for pollinators](#)

PollinatorWatch: Three Years in the Making

For the past three years, researchers from Aarhus University in Denmark and The Arctic University in Tromsø, Norway have been collaborating to gather and analyse large quantities of ecological data from various locations across the Arctic. Our goal is to gain a better understanding of how organisms in these areas are affected by climate change.

## [Old Weather - WW2](#)

### **Help recover hidden weather data collected by the U.S. Navy during World War II**

The purpose of this project is to recover hidden marine weather data recorded in U.S. Navy ships' logbooks during World War II. Like all **Old Weather** projects, this data will be used to drive sophisticated computer models that help us understand weather and climate in extraordinary detail. But there is another goal that is just as vital - to uncover the source of a mysterious distortion in the Navy temperature data collected during the war.

## [Penguin Watch](#)

### **Count penguins, chicks and eggs to help us understand their lives and environment.**

Why are we doing it?

Because seabirds spend the majority of their life at sea and feed near the top of the food chain, changes in their populations are likely to reflect the changes occurring in the wider ecosystem, making them excellent indicators of the health of the marine environment. As such, many seabirds are also considered a sentinel of change. A sentinel species is an organism, in this case seabirds, that we can use to detect early warning of risks to key ecosystems and by extension to humans.

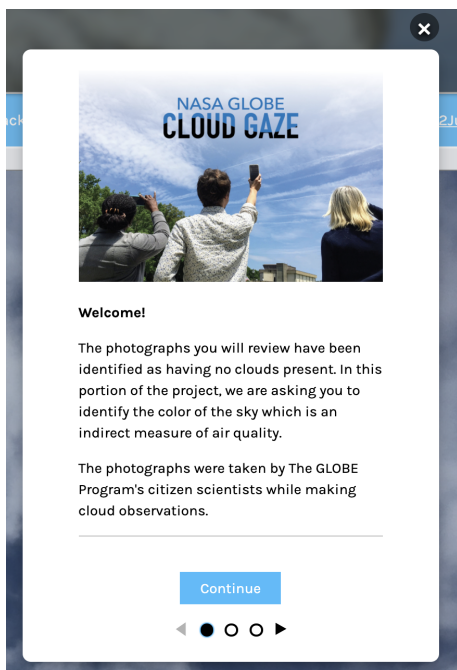
## **How to participate in a Zooniverse project**

Once you entered the project page you will find the following tabs/links:

- **About:** Gives general information about the project.

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- **Classify:** You can use that section to contribute to the project by identifying the required targets. There are 2 tabs inside the Classify page. Task tab and Tutorial Tab..



Once you open the Classify page a **Tutorial** window will automatically pop up with information about the task. If you need the Tutorial window again, simply click the Tutorial tab next to the Task Tab.

- **Talk:** To view conversations regarding the project and communicate with others.
- **Collect:** Shows a collection of the contributions to the project.
- **Recent:** Allows you to view your recent classifications.

**Please note: to Classify, Contribute to the conversations or view your recent classifications, you have to be logged in with your Zooniverse account.**

For video tutorials, please check the following link: <https://youtu.be/iaY8qghmxmE>  
If you have any questions, please contact [globehelp@ucar.edu](mailto:globehelp@ucar.edu)