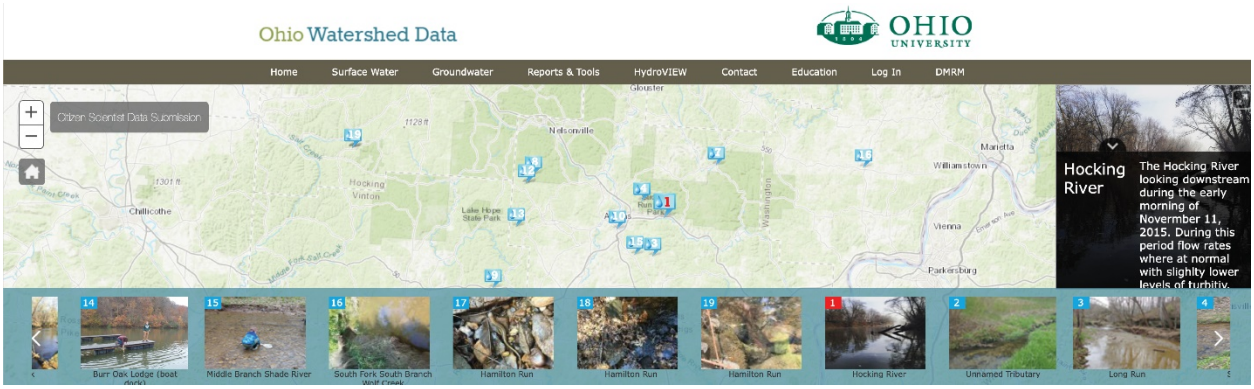
STEM CITIZEN:
RESEARCH PROJECTS

There are many Citizen Science Projects you can do either online or at home!

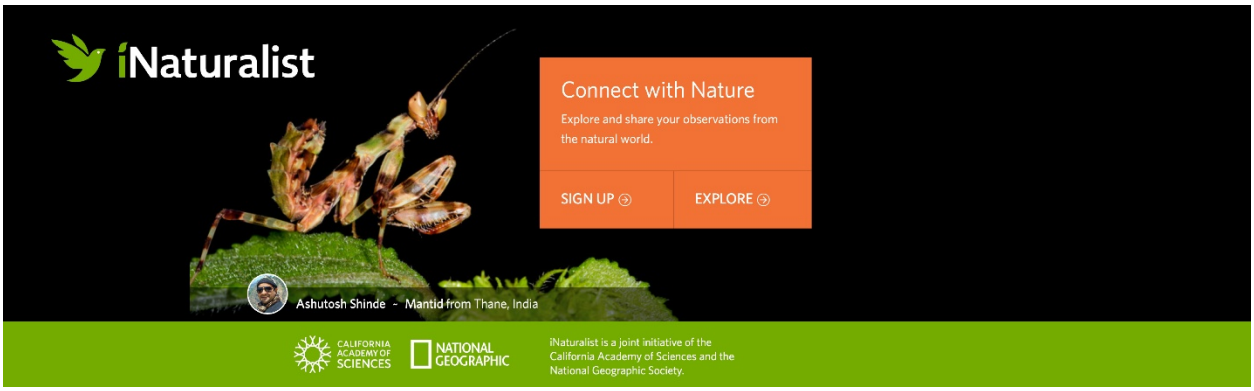
Here are some projects you can join:



My Backyard Stream-My Backyard Stream is a project hosted by Ohio University's Voinovich School. If you live in Ohio, you can record water quality data to submit to this project. It helps to map water quality data across Ohio. You can even learn how to gather data and borrow tools through the Voinovich School.

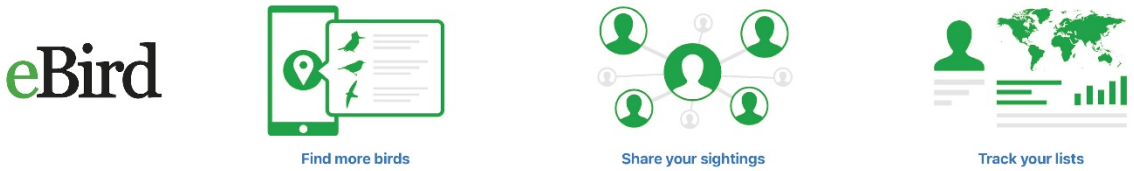
Zooniverse-This website features projects that rely on STEM Citizens to support research related to STEM fields and even arts, literature, and history! Most projects are completely done online, and they even have forums to discuss with other volunteers.

SciStarter-Like Zooniverse, SciStarter is a website featuring a collection of projects that STEM Citizens can participate in, often online. They have dozens of topics from astronomy to chemistry, computers, and technology, to even researching responses to disaster. You can use different filters to find projects by location, topic, ages, or best times to do projects. This is a great place to start if you don't know what you want to do.

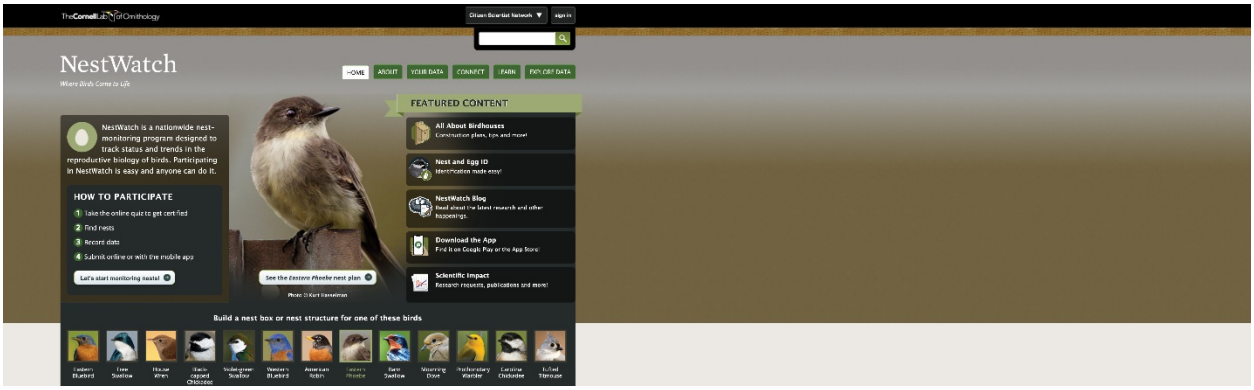


iNaturalist-If you enjoy exploring plants, animals, or other living things, iNaturalist is a great opportunity! iNaturalist allows you to upload images of plants and animals from around you and helps to identify them. This data is then publicly shared with other users and can even become quality data for scientists researching nature. It is available online or as an app!

Globe at Night-If you love stars and constellations, Globe at Night is the project for you. Globe at Night is a project focused on gathering data about light pollution while raising awareness. All you need is access to internet or a smartphone. During campaign dates, you go outside and record what constellations and stars you can see and submit the data. If you are new to studying stars and constellations, Globe at Night data form is image based, making it intuitive.



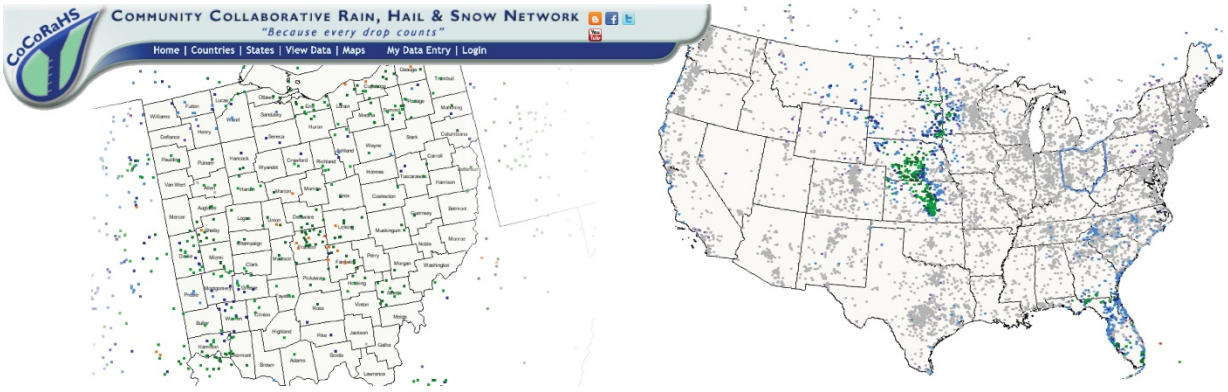
eBird-Maybe you are interested in birds and enjoy bird watching. If so, you can use eBird to contribute to conservation science and research. You first learn about best practices related to recording bird observations, then you can submit your observations to be viewed by other birders or researchers.



NestWatch-Have you ever found a nest of baby birds? Do you enjoy building birdhouses and having bird neighbors? Check out NestWatch. NestWatch is a project where volunteers can submit data about nests including when nesting occurs, number of eggs laid, how many hatches, and how many hatchlings survive. This data is used by scientists to learn more about the reproductive biology of birds.

APPALACHIAN MTN CLUB

AMC Citizen Science-The Appalachian Mountain Club encourages its members to help with citizen science project. It has opportunities for people hiking in the Appalachia Mountains to submit data about air quality and seasonal changes along the Appalachian Trail. So, if you ever visit the Appalachian Trail, maybe do some STEM Citizen work as well!



CoCoRaHS-Do you like learning about weather? Do you enjoy watching storms, collecting hail, or measuring snowfall? Then you should check out Community Collaborative Rain, Hail, & Snow Network (CoCoRaHS). CoCoRaHS teaches you how to measure rain, hail, and snow. It allows you to submit your daily data to help scientists better understand weather patterns. You may need to buy some equipment, but once you have the equipment, you will be set for years!

Ohio Department of Natural Resources-ODNR encourages all Ohioans to participate in STEM Citizen research and good stewardship practices. They have programs to teach about providing habitat for local wildlife, and projects to have STEM Citizens report wildlife and water quality to help Ohioan scientists.

Some other websites listing projects:

- Scientific American Citizen Science
- National Geographic Citizen Science Projects
- NASA Citizen Science Projects
- Citizenscience.gov
- EPA Citizen Science for Environmental Protection