

# Do NASA Science



**Researchers, ready to lead a science project with volunteers?**

Scan this QR code.



**Educators, looking for authentic science activities for your learners?**

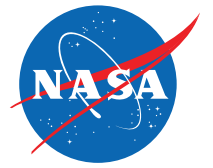
Scan this QR code.



**Ready to do real, cutting-edge science now?**

NASA needs your help! Scan the QR code above and pick a project!






## LOVE NASA? LOVE SCIENCE? VOLUNTEER TO DO REAL NASA SCIENCE!

NASA's volunteer scientists are searching NASA data for new worlds, asteroids, and comets. They are tracking the impacts of climate change on lake levels, coral reefs, and mosquito populations. Hundreds of volunteers have co-authored publications in professional journals. Many have made new, lasting friendships with NASA scientists and with one another. Scientific discoveries made by NASA volunteers include:

- Hundreds of extrasolar planets
- Thousands of brown dwarf stars
- 100,000s of emperor penguin nests
- Most of the known comets
- A new kind of aurora phenomenon

Our volunteer projects, sometimes called “citizen science” projects are open to everyone around the world, and not limited to U.S. citizens or residents. They aim to teach you everything you need to know as you go along - so don't worry if you never studied science or forgot what you learned in school. Pick one and try it out!

Just be ready: there are no guaranteed results, and sometimes the answers will remain unknown. But if you're tired of just reading about other people's groundbreaking discoveries and ready to get involved, visit [science.nasa.gov/citizenscience](https://science.nasa.gov/citizenscience) or click on the links below.

Projects with the  require no prior knowledge, experience, or special tools beyond a computer or smartphone. Other projects may involve going to a specific location or using tools such as a backyard telescope.

### Astrophysics

- Are We Alone In The Universe - [arewealone.earth](https://arewealone.earth) 
- Backyard Worlds: Planet 9 - [backyardworlds.org](https://backyardworlds.org) 
- Dark Energy Explorers - [www.zooniverse.org/projects/erinmc/dark-energy-explorers](https://www.zooniverse.org/projects/erinmc/dark-energy-explorers) 
- Disk Detective - [diskdetective.org](https://diskdetective.org)
- Exoplanet Watch - [exoplanets.nasa.gov/exoplanet-watch](https://exoplanets.nasa.gov/exoplanet-watch) 
- Planet Hunters TESS - [planethunters.org](https://planethunters.org) 
- Planet Patrol - [exoplanetpatrol.org](https://exoplanetpatrol.org) 
- Unistellar Network Investigating TESS Exoplanets (UNITE) - [science.unistellaroptycs.com](https://science.unistellaroptycs.com)

### Biological and Physical Sciences

- Growing Beyond Earth - [fairchildgarden.org/gbe](https://fairchildgarden.org/gbe)

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Bottom left: credit: NASA






Bottom right : credit: HamSCI

[www.nasa.gov](https://www.nasa.gov)





### Earth Science

- Air Quality Citizen Science - [aqcitizenscience.rti.org/#/](https://aqcitizenscience.rti.org/#/)
- Community Snow Observations - [communitysnowobs.org](https://communitysnowobs.org)
- Fjord Phyto - [fjordphyto.ucsd.edu](https://fjordphyto.ucsd.edu)
- Floating Forests - [floatingforests.org](https://floatingforests.org) 
- Fresh Eyes On Ice - [fresheyesonice.org](https://fresheyesonice.org)
- GLOBE Observer: Clouds, Eclipse, Land Cover, Mosquito Habitat Mapper, Trees - [observer.globe.gov/do-globe-observer](https://observer.globe.gov/do-globe-observer) 
- Lake Observations by Citizen Scientists and Satellites - [locss.org](https://locss.org)
- Landslide Reporter - [gpm.nasa.gov/landslides/index.html](https://gpm.nasa.gov/landslides/index.html)
- Mapping Application for Penguin Populations and Projected Dynamics (MAPPPD) - [penguinmap.com](https://penguinmap.com) 
- Mountain Rain or Snow - [www.rainorsnow.org](https://www.rainorsnow.org)
- NeMO-Net - [nemonet.info](https://nemonet.info) 
- Spritacular - [spritacular.org](https://spritacular.org)
- Soundscapes to Landscapes - [soundscapes2landscapes.org](https://soundscapes2landscapes.org)
- Chesapeake Water Watch - [serc.si.edu/citizen-science/projects/chesapeake-water-watch](https://serc.si.edu/citizen-science/projects/chesapeake-water-watch)

### Heliophysics

- Aurorasaurus - [aurorasaurus.org](https://aurorasaurus.org) 
- Goldstone Apple Valley Radio Telescope (GAVRT) - [gavrt.lewiscenter.org](https://gavrt.lewiscenter.org)
- HamSci - [hamsci.org](https://hamsci.org)
- Radio Jove - [radiojove.org](https://radiojove.org)
- Solar Jet Hunter - [www.zooniverse.org/projects/sophiemu/solar-jet-hunter](https://www.zooniverse.org/projects/sophiemu/solar-jet-hunter) 
- Sungrazer Project - [sungrazer.nrl.navy.mil](https://sungrazer.nrl.navy.mil) 
- Heliophysics Audified: Resonances in Plasmas (HARP) - [listen.space-science.org](https://listen.space-science.org) 
- Solar Active Region Spotter - [www.zooniverse.org/projects/eimason/solar-active-region-spotter](https://www.zooniverse.org/projects/eimason/solar-active-region-spotter) 

### Planetary Science

- Active Asteroids - [www.zooniverse.org/projects/orionnau/active-asteroids](https://www.zooniverse.org/projects/orionnau/active-asteroids) 
- Catalina Outer Solar System Survey - [www.zooniverse.org/projects/fulsdavid/catalina-outer-solar-system-survey](https://www.zooniverse.org/projects/fulsdavid/catalina-outer-solar-system-survey) 
- Cloudspotting on Mars - [www.zooniverse.org/projects/marek-sliipski/cloudspotting-on-mars](https://www.zooniverse.org/projects/marek-sliipski/cloudspotting-on-mars) 
- International Astronomical Search Collaboration (“Isaac”) - [iasc.hsutx.edu](https://iasc.hsutx.edu)
- Jovian Vortex Hunter -   
[www.zooniverse.org/projects/ramanakumars/jovian-vortex-hunter](https://www.zooniverse.org/projects/ramanakumars/jovian-vortex-hunter)
- JunoCam - [www.missionjuno.swri.edu/junocam](https://www.missionjuno.swri.edu/junocam)

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