

## Zoo Universe

- <https://www.zooniverse.org/projects>
- Clearing house of various citizen science projects
- Hubble, Kepler, Spitzer, and more
- Moon, Mars, Asteroids, Solar Storms, Sun Spots, Transits, Planetary Disks, Jets

## Galaxy Zoo

- <http://www.galaxyzoo.org>
- Classify Galaxies according to their shapes.
- Assist astronomers to understand how the galaxies we see around us formed, and what their stories reveal about the past, present and future of the Universe.
- Images from the Sloan Digital Sky Survey (SDSS)

## Radio Galaxy Zoo

- <http://radio.galaxyzoo.org>
- Search for Erupting Black Holes!
- Find jets and match them to the host galaxy.
- Discover supermassive black holes observed by:
- KG Jansky Very Large Array (NRAO)
- Australia Telescope Compact Array (CSIRO)

## Moon Zoo

- <http://www.moonzoo.org>
- Identify craters and create maps, find boulders
- Lunar Reconnaissance Orbiter (LRO)
- Great video tutorials and tools

## Planet Hunters

- <http://www.planethunters.org>
- Find planets around other stars
- Kepler light curve data

## Agent Exoplanet

- <http://lcogt.net/agentexoplanet/>
- Study images of known exoplanets
- Measure the brightness of stars as exoplanets transit

## Cosmo Quest

- [http://cosmoquest.org/projects/moon\\_mappers/](http://cosmoquest.org/projects/moon_mappers/)
- [http://cosmoquest.org/projects/mercury\\_mappers/](http://cosmoquest.org/projects/mercury_mappers/)
- [http://cosmoquest.org/projects/vesta\\_mappers/](http://cosmoquest.org/projects/vesta_mappers/)
- Map previously unidentified craters
- LRO, Messenger, Dawn

## Asteroid Mission

- [http://www.asteroidmission.org/?q=target\\_asteroids](http://www.asteroidmission.org/?q=target_asteroids)
- Submit your amateur astronomer telescope images of Near-Earth Objects (NEOs) and measurements of brightness and positions.
- Physical properties, refine their orbits, and determine their parent asteroid families.

## **Stardust at Home**

- <http://stardustathome.ssl.berkeley.edu>
- Particles from the Stardust spacecraft's sample return capsule.
- Comet Wild 2 particles, Interstellar dust particles.

## **NASA and JPL**

- <http://pds.jpl.nasa.gov>
- <http://pds.jpl.nasa.gov/tools/index.shtml>
- <http://pds-geosciences.wustl.edu/tools/default.htm>
- Planetary Data System (PDS), all data from all NASA/JPL missions.
- Make maps, perform analyses, verify results from published papers!

## **Saturn**

<http://saturn.jpl.nasa.gov/photos/raw/>

Cassini: RAW, Calibrated, Processed

Make your own movies or maps

## **Mars**

- <http://mars.jpl.nasa.gov/msl/multimedia/raw/?s=2#/?slide=0>
- <http://mars.jpl.nasa.gov/msl/multimedia/raw/>
- <http://mars.jpl.nasa.gov/mer/gallery/all/spirit.html>
- <http://mars.nasa.gov/mer/gallery/all/opportunity.html>
- <http://marsed.mars.asu.edu/mesdt-home>
- Curiosity, Spirit & Opportunity, Orbiters

## **Venus**

- <http://ode.rsl.wustl.edu/Venus/indexMapSearch.aspx>
- <http://pds-geosciences.wustl.edu/missions/magellan/gxdr/>
- <http://history.nasa.gov/JPL-93-24/ch2.htm>
- Magellan datasets: Elevation, Slope, Emissivity, Reflectivity
- Also available from the PDS: Pioneer, Venus Express, Cassini, Mariner, Messenger ....

## **The Sky Net**

- <http://www.theskynet.org>
- Distributed processing of radio astronomy data.
- Utilize spare processing power when your computer is not in use.

## **SETI**

- <http://setiathome.ssl.berkeley.edu>
- Search for Extra-Terrestrial Intelligence
- Utilize spare processing power when your computer is not in use.