

CITIZEN SCIENCE  ALLIANCE

citizen science

Dr. Carol Christian
Space Telescope Science Institute

- contribute extensive observations
- engage in data collection and
- enjoy camaraderie
- modest and significant contributions to the advancement of science
- love of the natural world
- “democratization of science”
- passive use of computing equipment



citizen science
flavors

- voluntary participation of individuals
- many with no scientific training in scientific research
- **Non-expert participation**
 - initiated by professionally trained researchers
- **Many individuals**
 - numerous individuals contributing to a specific set of goals
 - significantly more volunteers than professionals, usually by several orders of magnitude.
- **Original Research**
 - only possible through activities of a large number of humans



research

- web or technology based data collection
- human interpretation of complex phenomena
- cannot be automated
- **Integrated into data pipeline**
- “citizen scientists” are **collaborators**
- self forming community
- serendipity
- scalable
- informs machine science

method,
attributes

New Galaxy Zoo Project: Does AGN Type Relate to Host Galaxy Inclination?

14 December 2011 by [Steph](#), [No Comments](#)

We're beginning on a new project utilizing Galaxy Zoo data. Some background: Active Galactic Nuclei (AGN) are accreting supermassive black holes at the centers of some galaxies. In some of these systems, we observe broad and narrow emission lines in the optical spectra whereas other systems only have narrow emission lines. (In the spectra of [...])

Whale FM – The Whale Song Project

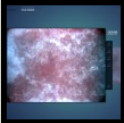
29 November 2011 by [Robert Simpson](#), [1 Comment](#)



Today the Zooniverse launched Whale FM a new project in partnership with Scientific American. We have been working with marine biologists and have collected together more than 16,000 recordings of Whale calls. These calls come from Killer Whales and Pilot Whales – both actually species of dolphin! – and we need your help with listening to [...]

NEEMO

18 October 2011 by [arfon](#), [5 Comments](#)



We're inviting you – for a limited time only! – to take part in a big experiment! For our first 'Zooniverse Lab', we've partnered with NASA, who are training astronauts in an underwater environment. For the next two weeks they're sending six astronauts, researchers and habitat technicians to live in an undersea habitat and work

Kepler and several other astrophysics missions including Hubble Space Telescope, Chandra X-ray Observatory, Spitzer Space Telescope, XMM-Newton, Swift, Planck, Fermi Gamma Ray Telescop...

Moon Zoo Blog: Strange Whites
Forum member Ewan, otherwise known as Dynamo Duck, found some strange looking craters on the South-East edge of Mare Crisium at Latitude: 12.275° Longitude: 62.1034°. They appear to have unusually high albedo floors and possibly some ejecta of the ...

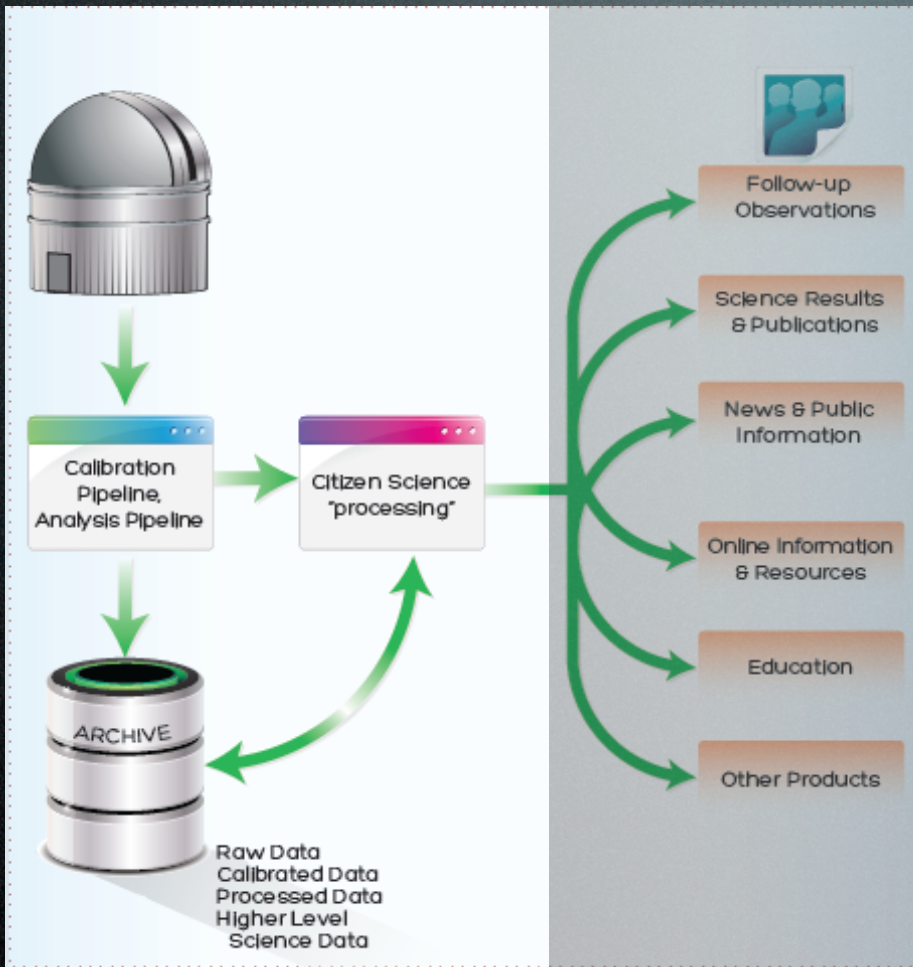
Planet Hunters Blog: Direct Imaging of Planets
[caption id="attachment_2492" align="center" width="608" caption="HR8799 direct imaging planet detections Credit: Marois et al (2010)"] [caption] Today we have a guest blog from Sasha Hinkley talking about a different way of detecting ex...

Authors

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- [Stuart Lynn](#) (6)

Blogroll

- [Citizen Science Alliance](#)



data flow

ancientlives.org

Discover the lives of Ancient Greeks

[View details](#)

All

Space

Climate

Humanities

Nature

Space

Sort by



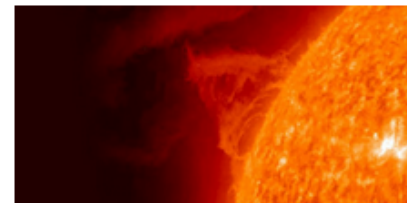
How do galaxies form?

NASA's Hubble Space Telescope archive provides hundreds of thousands of galaxy images.



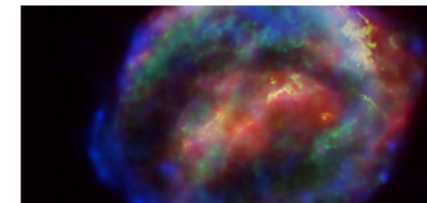
Explore the surface of the Moon

We hope to study the lunar surface in unprecedented detail.



Study explosions on the Sun

Explore interactive diagrams to learn out about the Sun and the spacecraft monitoring it.



Search for exploding stars

Help to find Supernovae, astronomers are ready to follow up.

655,359 people taking part worldwide

Projects ▾

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How do galaxies form?

// Information

NASA's Hubble Space Telescope archive provides hundreds of thousands of galaxy images. To understand how these galaxies, and our own, formed we need your help to classify them according to their shapes — a task at which your brain is better than even the most advanced computer.

[Take part](#)

[No thanks](#)

Image by NASA/ESA

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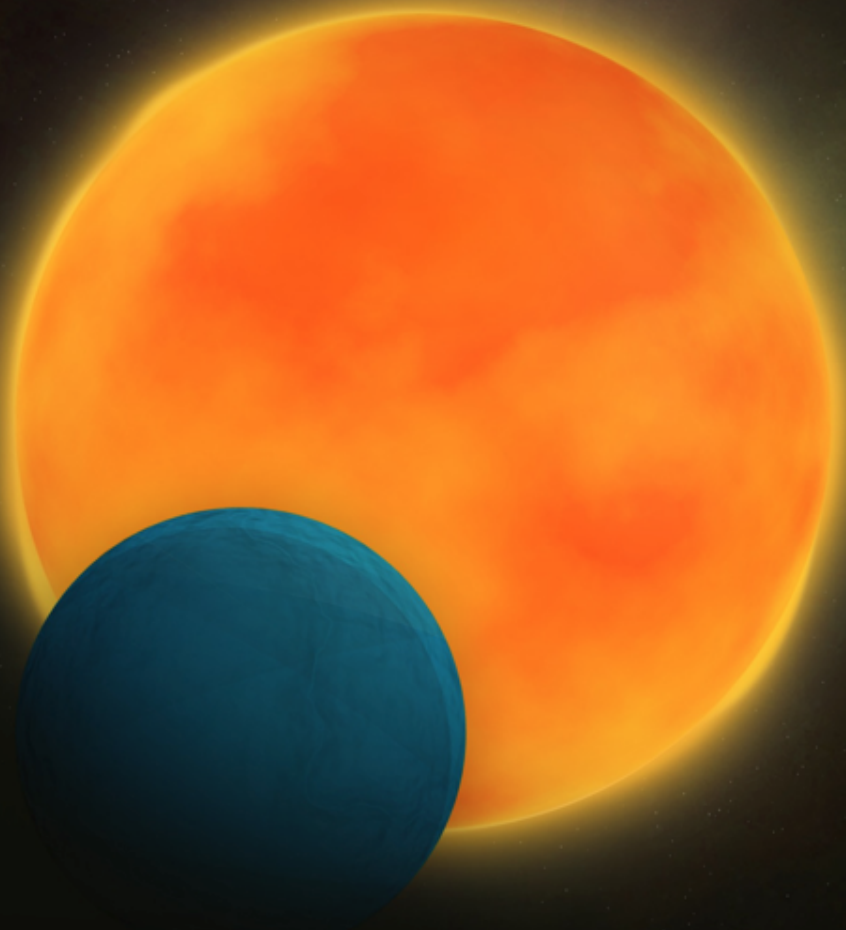
Find planets around stars

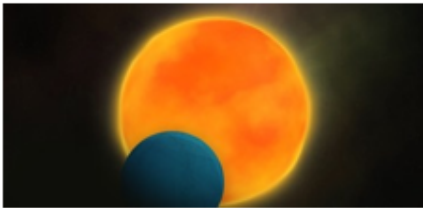
// information

The Kepler spacecraft stares at a field of stars in the Cygnus constellation and records the brightness of those stars every thirty minutes to search for transiting planets.

Take part

No thanks

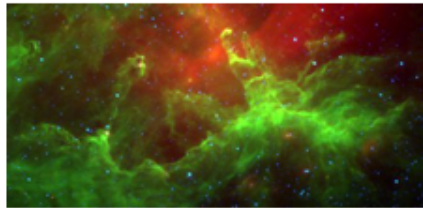




Find planets around stars

Lightcurve changes from the Kepler spacecraft can indicate transiting planets.

planethunters.org



How do stars form?

We're asking you to help us find and draw circles on infrared image data from the Spitzer Space Telescope.

THE MILKY WAY PROJECT

Climate



Model Earth's climate using wartime ship logs

Help scientists recover worldwide weather observations made by Royal Navy ships.

oldWeather

Humanities



Study the lives of ancient Greeks

The data gathered by Ancient Lives helps scholars study the Oxyrhynchus collection.

ANCIENT LIVES

Nature



Hear Whales communicate

You can help marine researchers understand what whales are saying

WHALEFM



Tequila Solar Stormwatch Galaxy Zoo Spiral Cider Moon Zoo (on the) Rocks The Milky Way Cocktail Project Storm in a Teacup (Old Weather)
Whale FM Cocktail The Ice Hunter Planet Hunter's Eclipse