

What the Zooniverse Can Do For You

Chris Snyder

ChromeFileEditViewHistoryBookmarksWindowHelp

Galaxy Zoo

www.galaxyzoo.org


1

Tue 10:35 AMChris Snyder

CLASSIFYSCIENCESTORYGALAXYZOOASTRONOMERSDISCUSSPROFILE

Few have witnessed what you're about to see

Experience a privileged glimpse of the distant universe, observed by the Sloan Digital Sky Survey and Hubble Space Telescope




We are trying something new! Come help us understand a very specific type of galaxy and experience science from start to end. [Take part](#)

Classify Galaxies

To understand how galaxies formed we need your help to classify them according to their shapes. If you're quick, you may even be the first person to see the galaxies you're asked to classify.

Begin Classifying



How Do Galaxies Form?

Roughly one hundred billion galaxies are scattered throughout our observable Universe,

History of Galaxy Zoo

The launch of this new version of Galaxy Zoo, the 4th, comes just a few weeks after the

Wednesday, September 25, 13

Online collection of citizen science projects

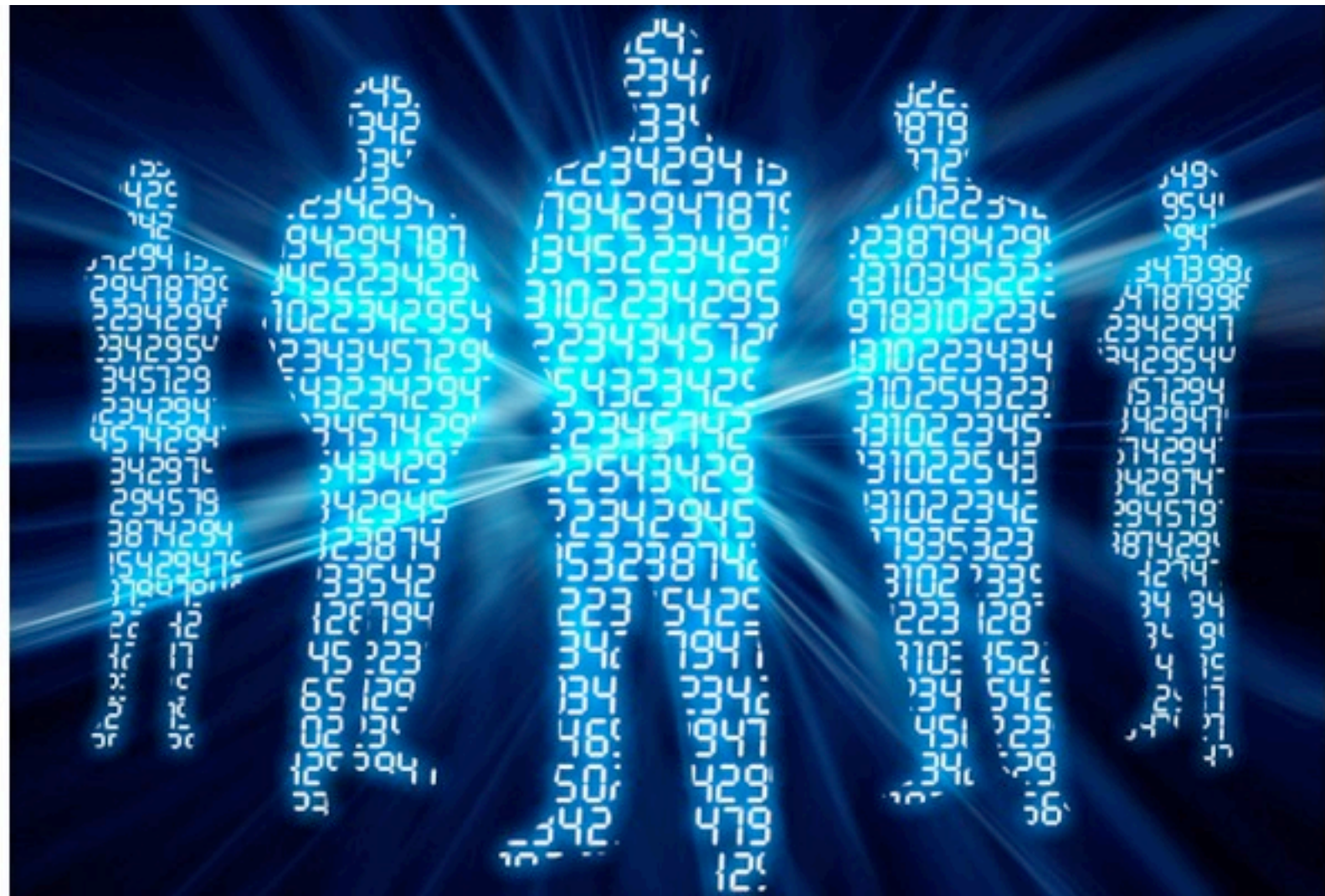
~18 active projects
850,000+ volunteers
500,000,000+ annotations

What is Zooniverse-style citizen science?

Web-scale human
data analysis

NOT

- data collection
- volunteer computing



Social Contract

- Volunteers, not users.
- Contribute to real research
- Don't waste people's time

Cognitive Surplus

200 billion hours
a year spent watching TV by US adults

TV

People have a lot of
free time!

Wikipedia



eBird

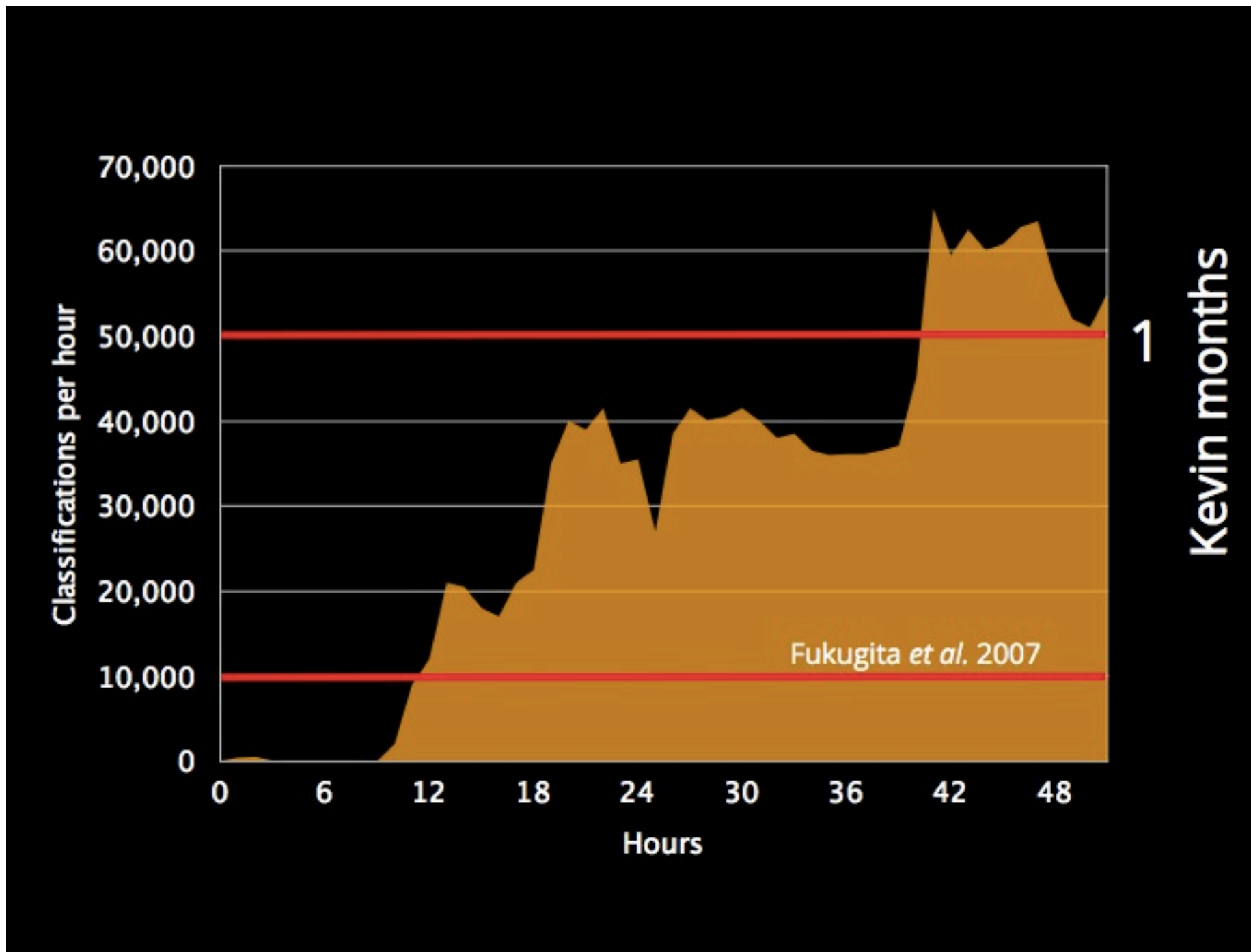


Spectrum of cognitive surplus

Power of the Crowd

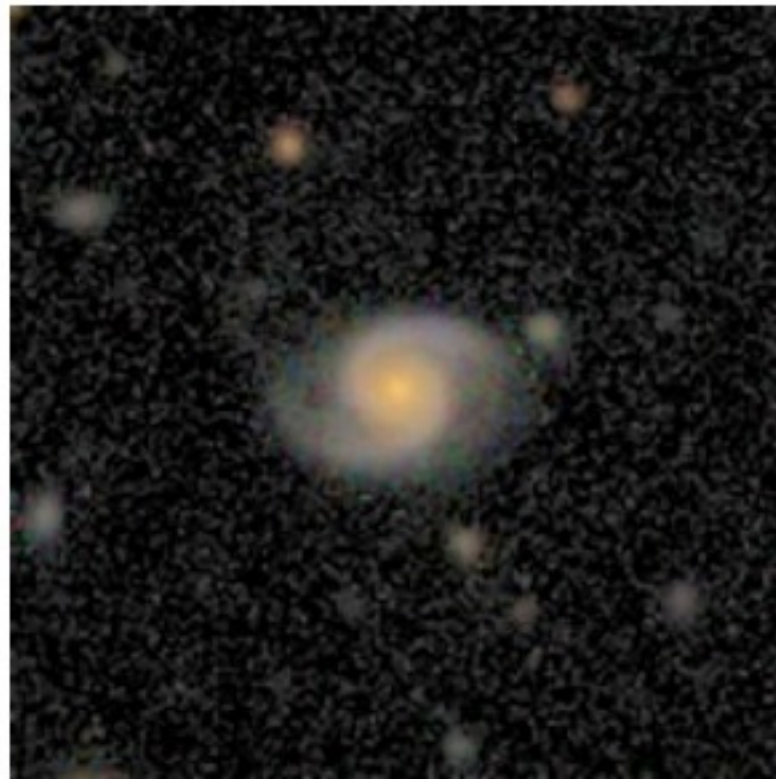
- Accuracy
- Scale
- Serendipity
- Education



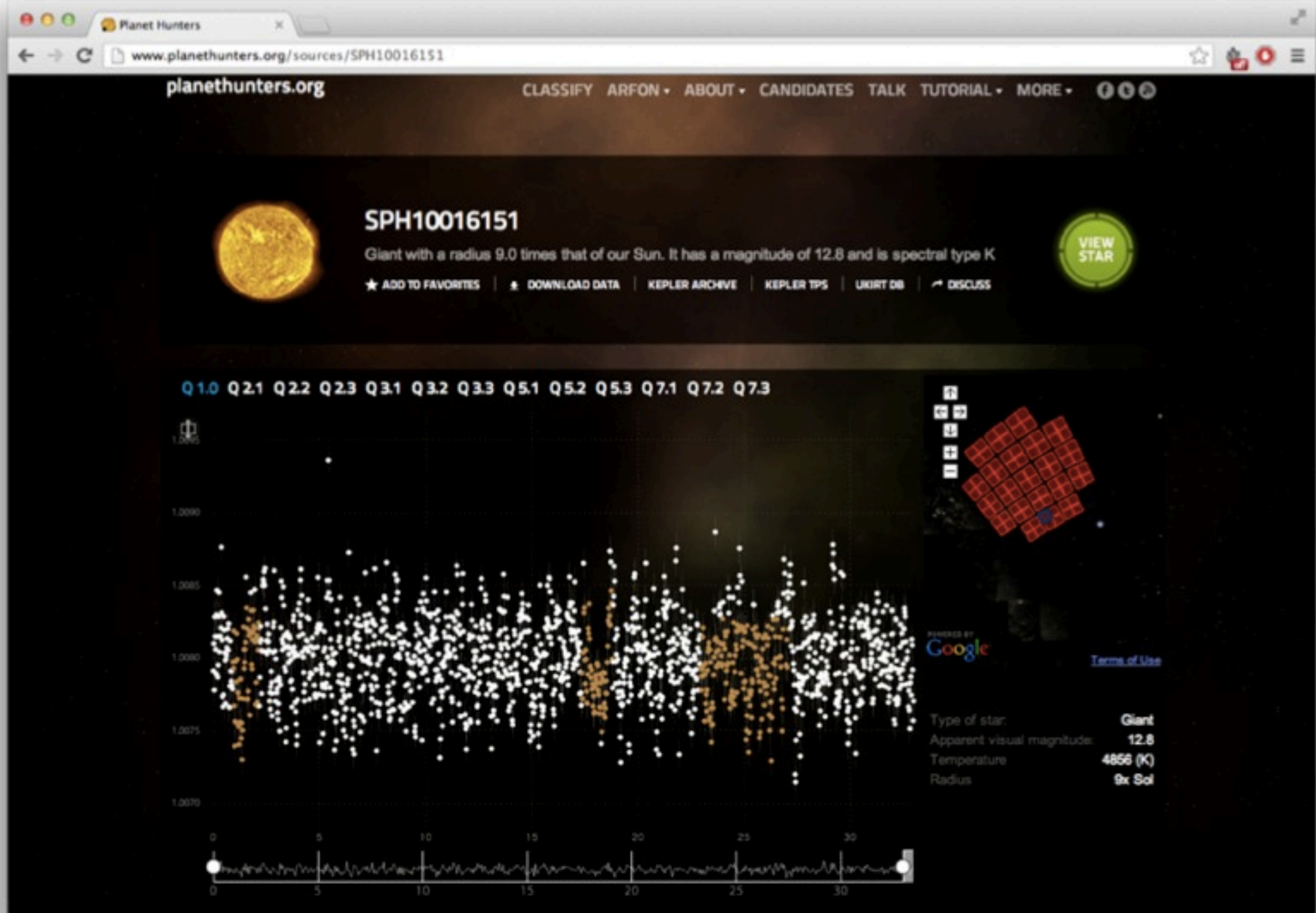


Basic Terms and Workflow

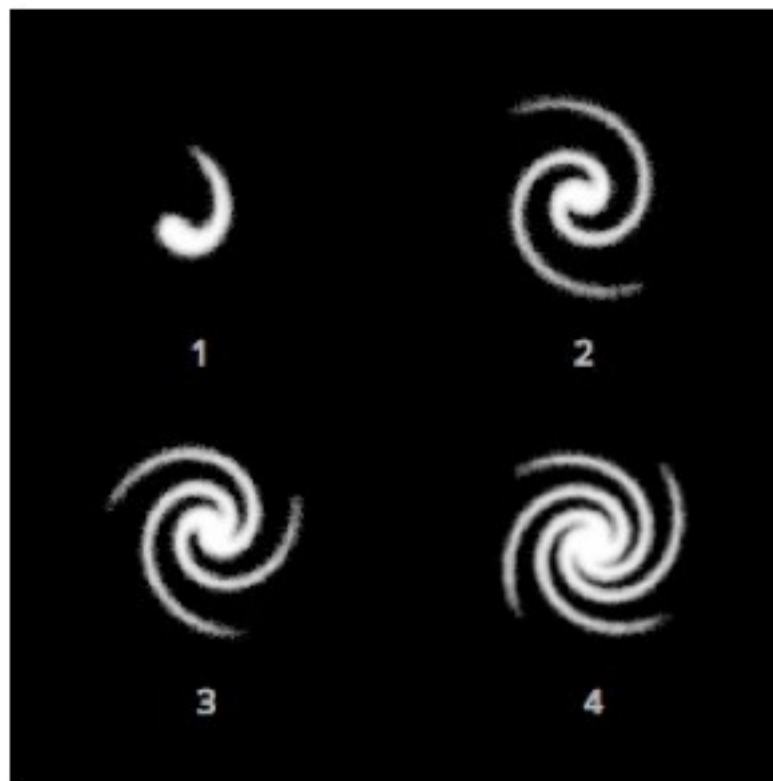
SUBJECT



```
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  },
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    "counters": {
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  "..."
}]
```

TASK



USER

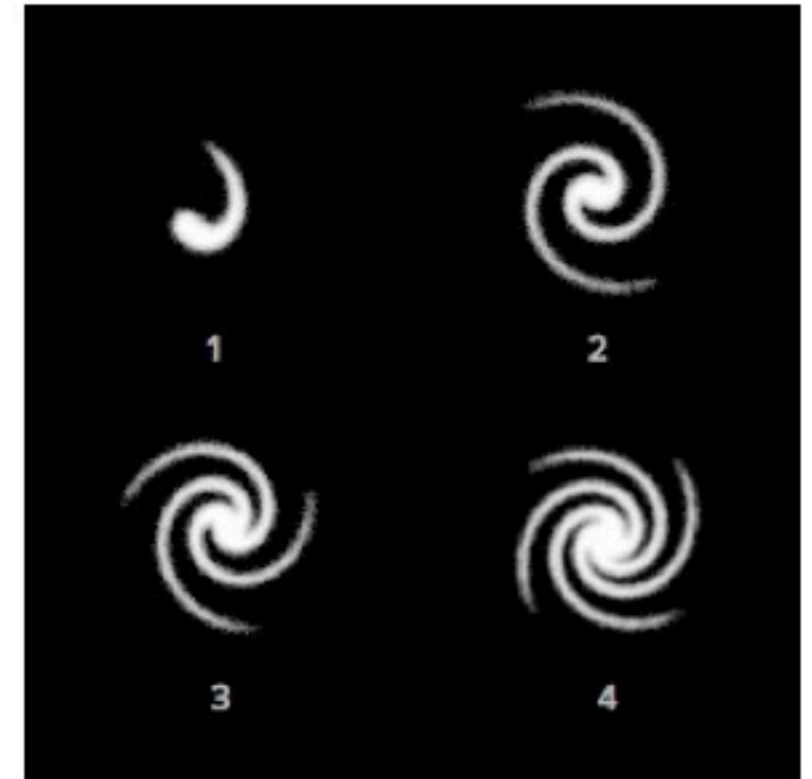
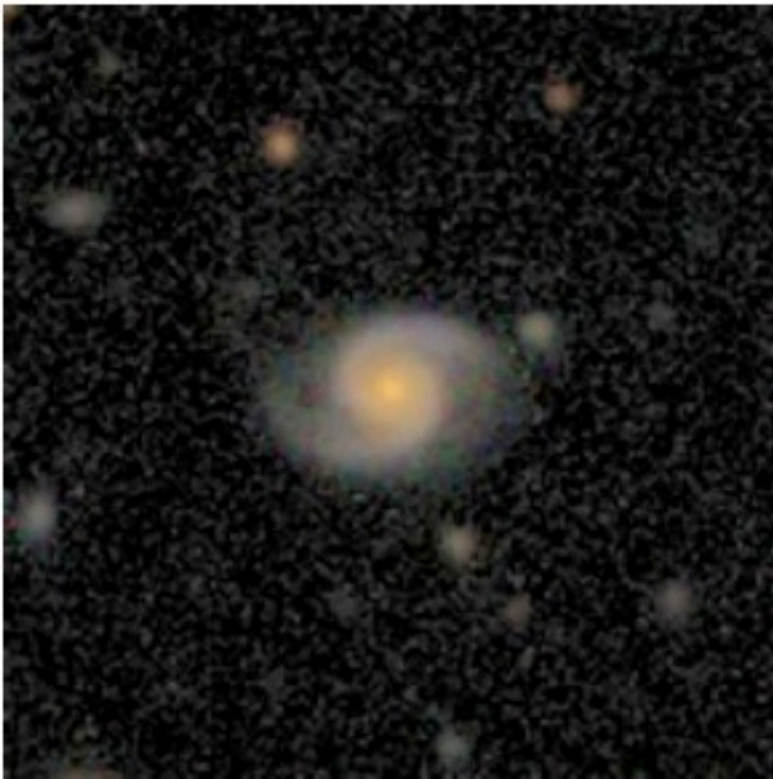


CLASSIFICATION

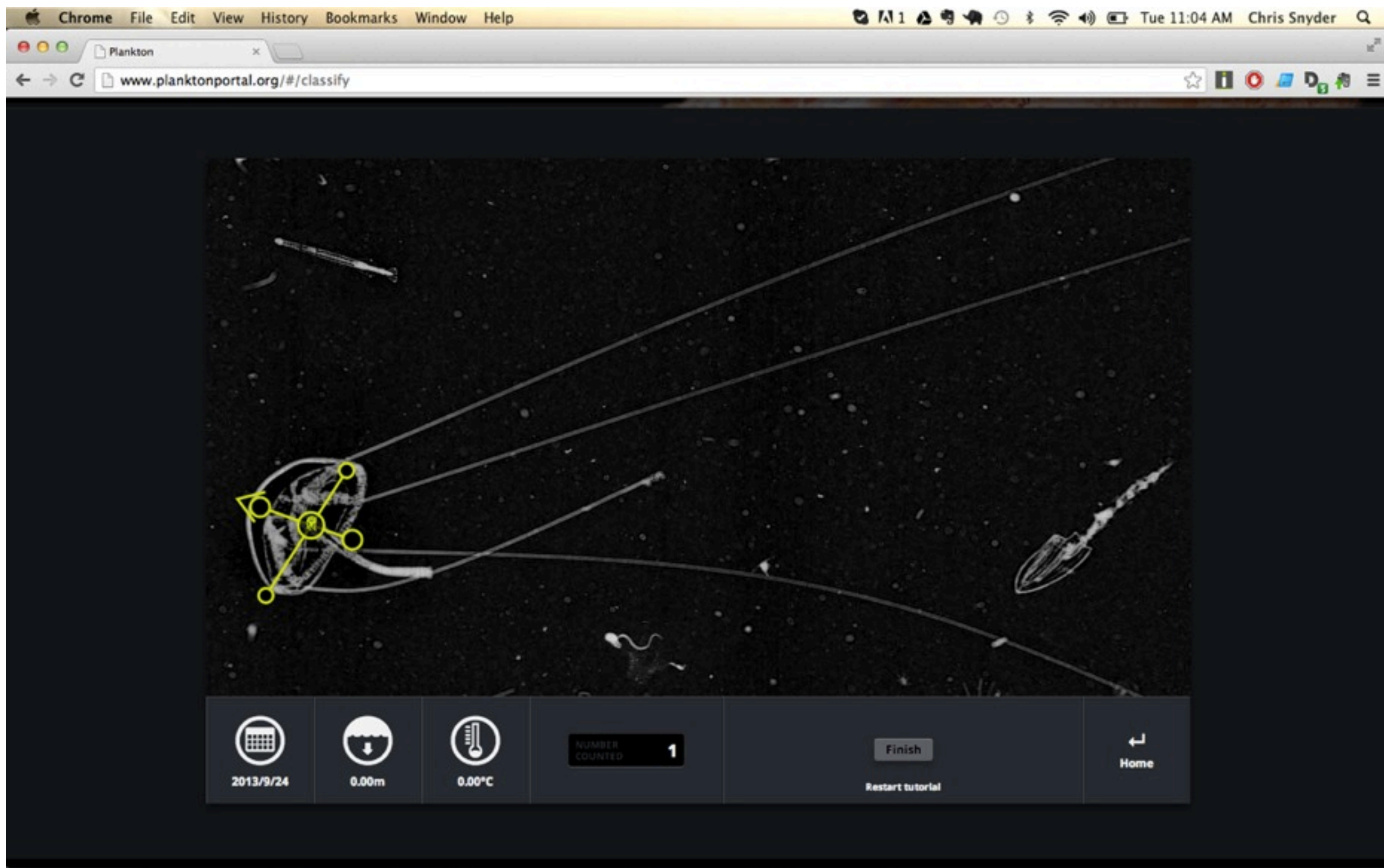
SUBJECT

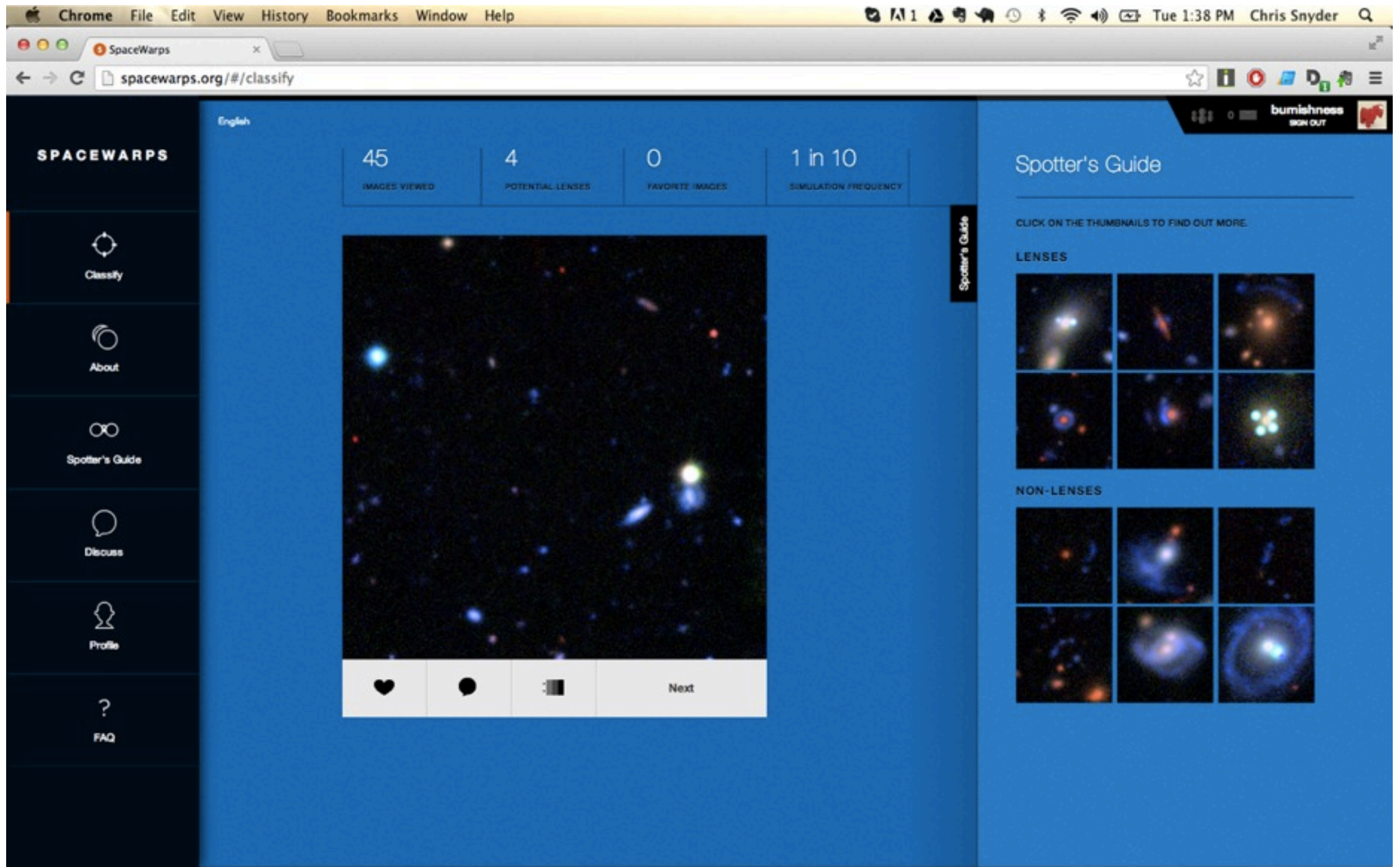
USER

TASK



```
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      "babies"=>"false",  
      "search"=>""}],  
  {"agent"=>  
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"created_at"=>2013-02-05 18:48:28 UTC,  
"user_ip"=>"12.34.56.78",  
"user_id"=>BSON::ObjectId('5058b578ba40af2366000169'),  
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```



ChromeFileEditViewHistoryBookmarksWindowHelp


Worm Watch Lab

www.wormwatchlab.org/#/classify


bumishnessSIGN OUT

WORM WATCH LAB

[Home](#)[Classify](#)[Science](#)[Team](#)[Partners](#)[Discuss](#)[Blog](#)[Profile](#)



0:00 / 0:00



Unspecified worm type

This worm's genetic abnormality is not specified.

Click to start

Player: bumishness

Score: 200

First spotter!

You are the first person to see this worm! You get a 200 point spotter award

Help

Finished

Wednesday, September 25, 13

Chrome File Edit View History Bookmarks Window Help Tue 11:08 AM Chris Snyder

Notes From Nature - SERNEC

www.notesfromnature.org/#/archives/herbarium/transcribe

HERBARIUM COLLECTION
from SERNEC

30 RECORDS DONE

COUNTRY
The country the specimen was collected in.

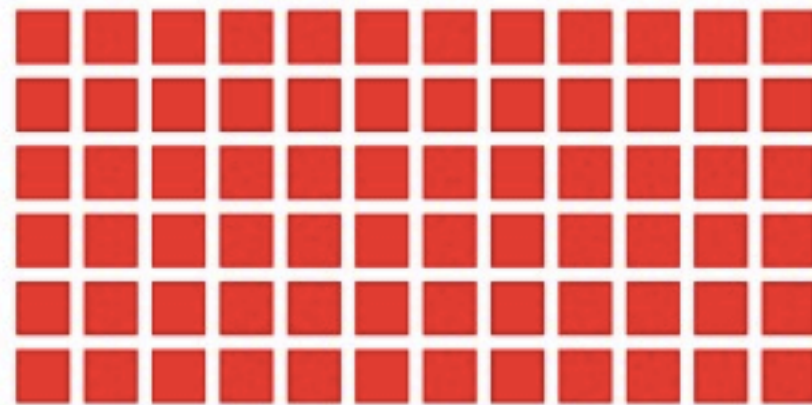
UNIVERSITY OF SOUTH ALABAMA HERBARIUM
PLANTS OF ALABAMA
Athyrium asplenoides (Michx) A. A. Eat.
Mobile Co., Alabama. Southern half of N.W. 1/4 of Section 16; T.4S. R.2W. Moist, sandy soil along North bank of Three Mile Creek swamp. University of South Alabama Property, Mobile.
Michel G. Lelong #4403
4/25/68

Discuss

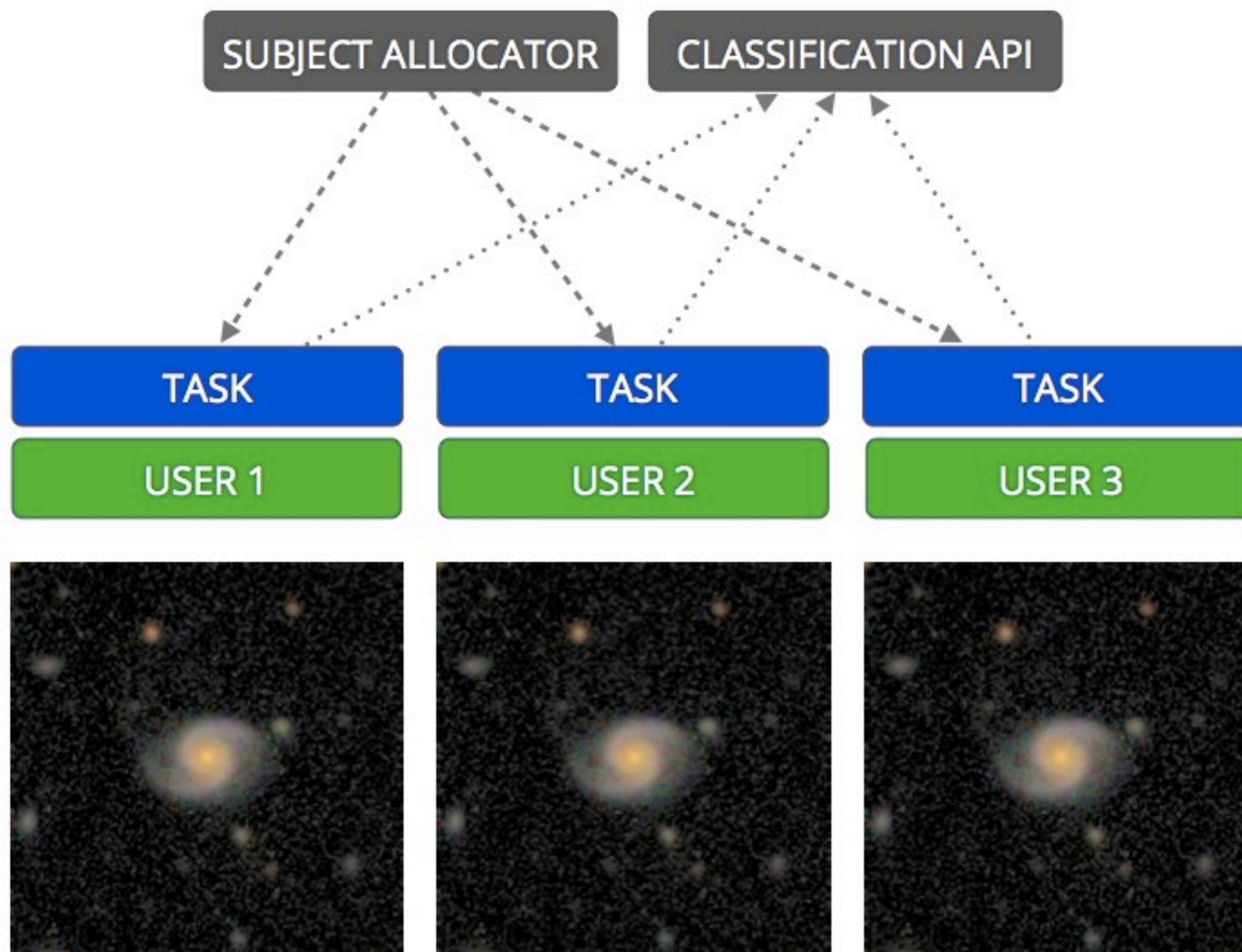
-- Country -- OK Skip this field 1/9 FINISH THIS RECORD

KODAK Gray Scale

Athyrium asplenoides (Michx) A. A. Eat.
Mobile Co., Alabama. Southern half of N.W. 1/4 of Section 16; T.4S. R.2W. Moist, sandy soil along North bank of Three Mile Creek swamp. University of South Alabama Property, Mobile.
Michel G. Lelong #4403
4/25/68



SUBJECT ALLOCATOR



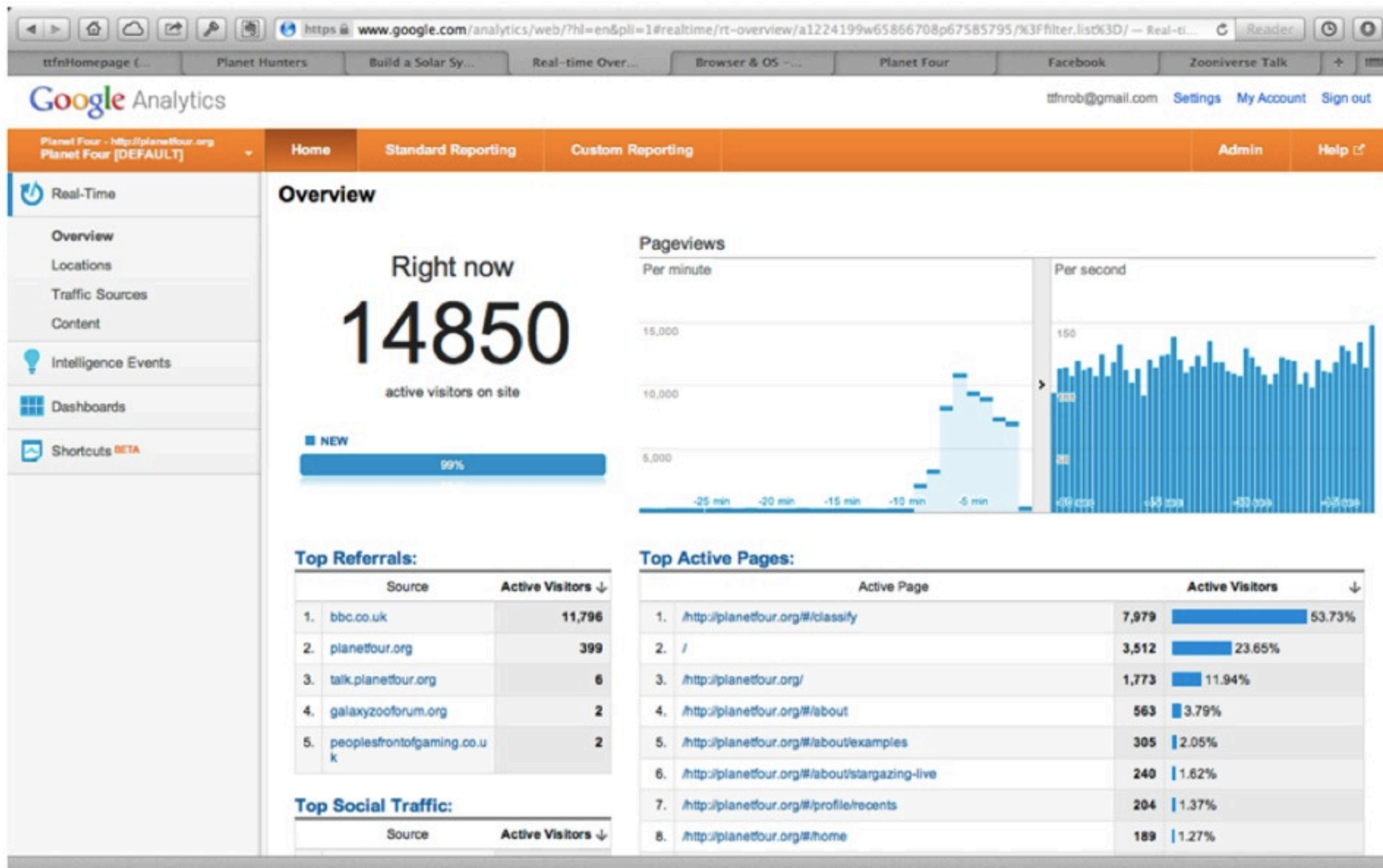
Simulations

The screenshot shows the SpaceWarps website interface. The browser window at the top displays the URL `spacewarps.org/#/classify`. The website has a dark blue header with the "SPACEWARPS" logo on the left and navigation links (Classify, About, Spotter's Guide, Discuss, Profile, FAQ) on the right. A top navigation bar shows statistics: 1 IMAGES VIEWED, 0 POTENTIAL LENSES, 0 FAVORITE IMAGES, and 1 in 5 SIMULATION FREQUENCY. The main content area features a large image of a galaxy field. A pop-up message box is centered over the image, stating: "Nice! There is no gravitational lens in this field! This is a different kind of Training Image, one that has already been inspected by the Science Team and found not to contain any gravitational lenses." Below the image are icons for a heart, a speech bubble, a flag, and a "Next" button. On the right side, there is a "Spotter's Guide" section with a grid of galaxy thumbnails under the headings "LENSES" and "NON-LENSES".

Tech

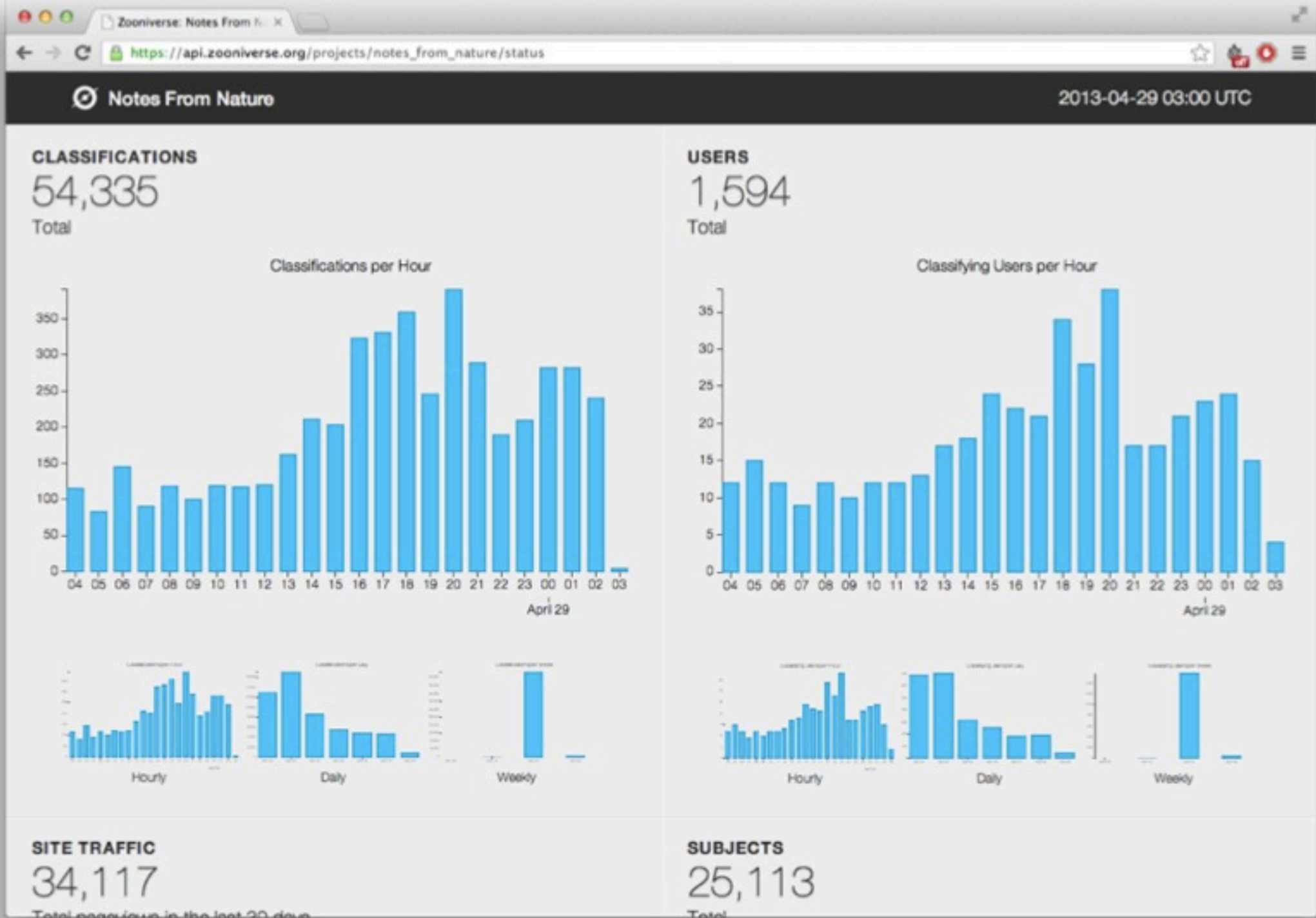
**AWS, MongoDB, Redis, Coffeescript, localStorage, cookies,
SVG, HTML5 Canvas, EC2, Ruby on Rails API, S3, ELB,
Hadoop, ES6, Ubuntu, CSS3, Heroku, Clojure, etc..**

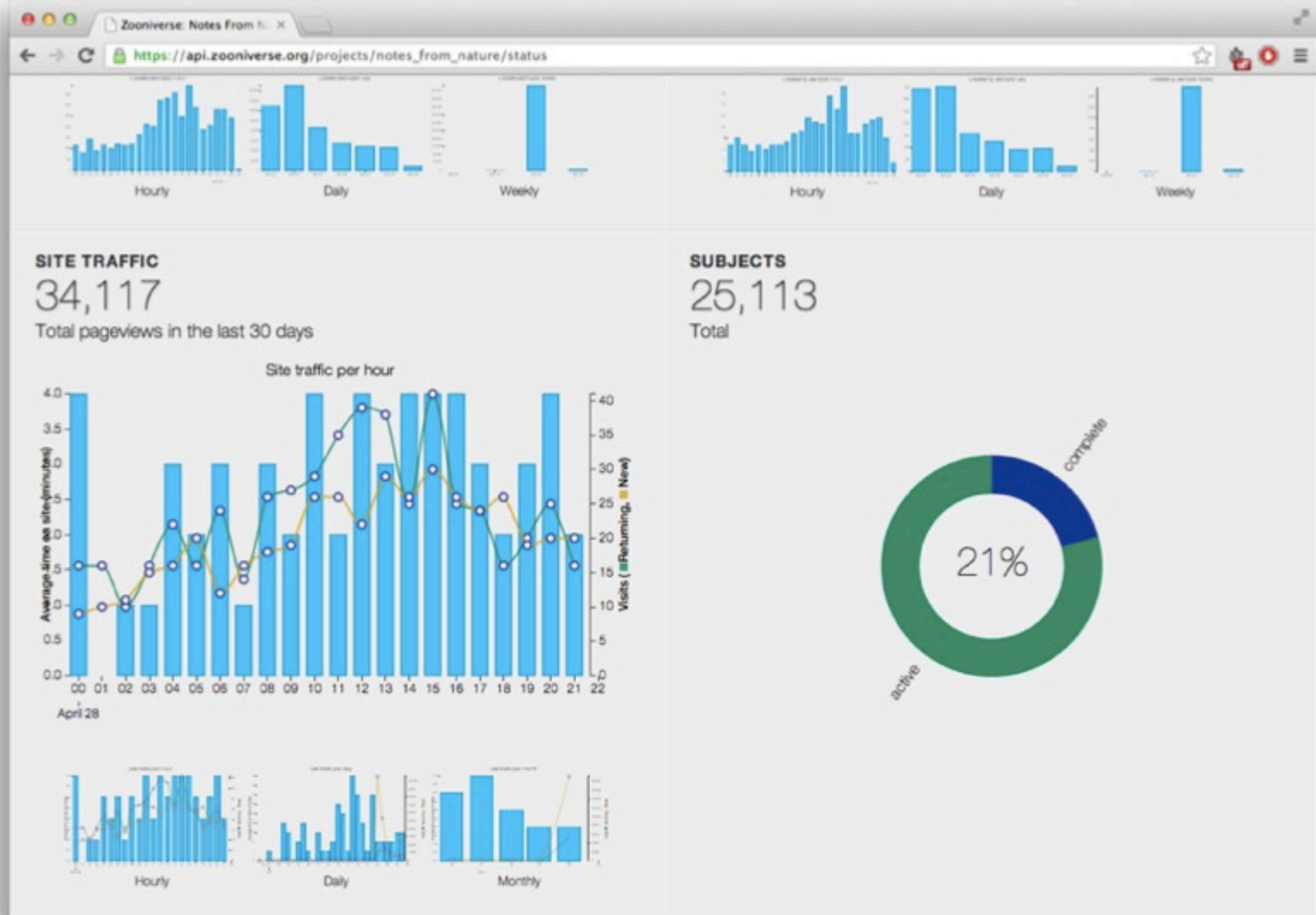


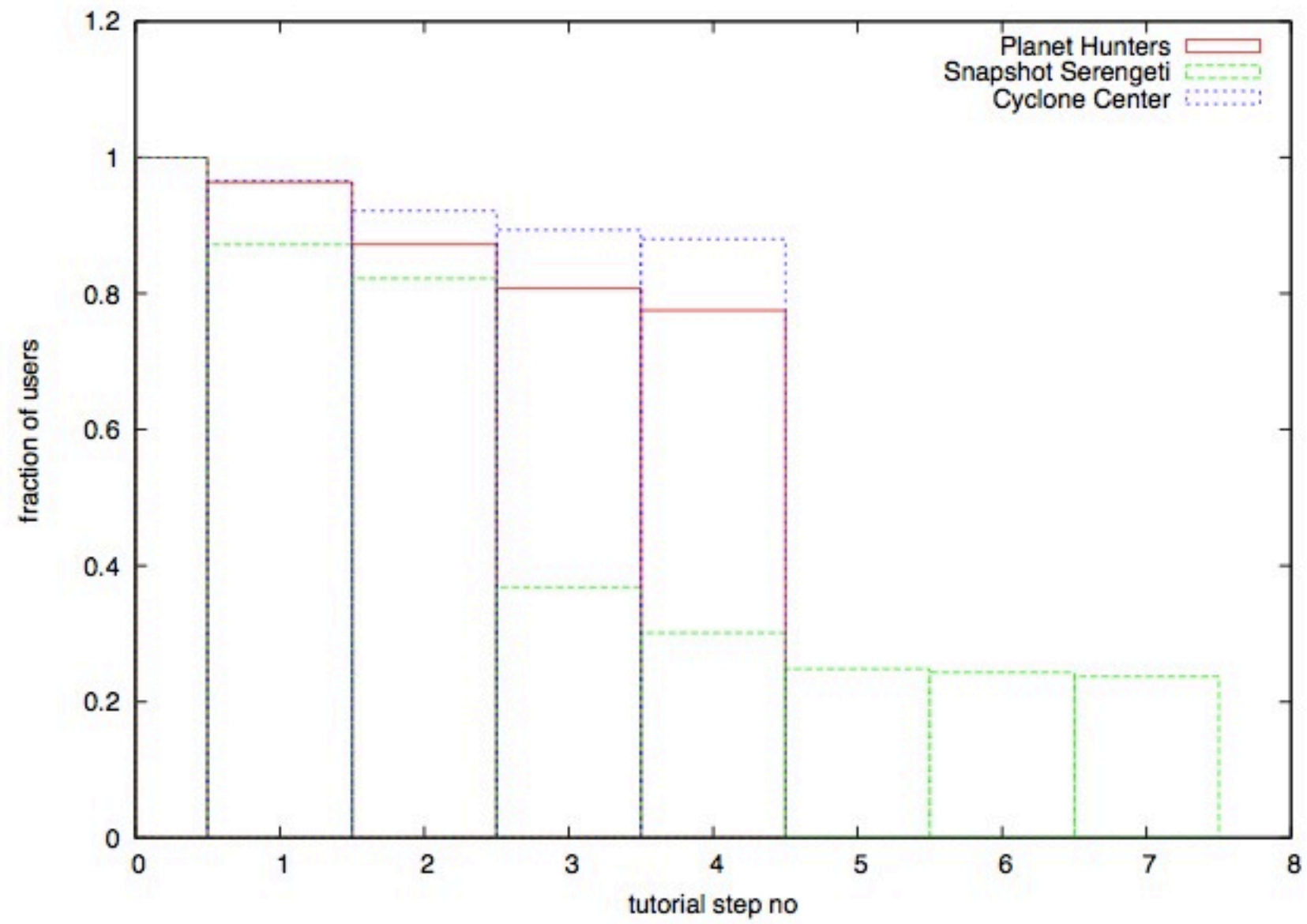


(and science!)

Data Driven







Tools

Talk

Chrome File Edit View History Bookmarks Window Help Tue 12:29 PM Chris Snyder

Zooniverse Talk x

talk.planktonportal.org

Talk Plankton Portal Following Recent Discussion boards Search Profile Return to classifying Sign out

Featured discussions





larvacean
Posted in The Objects
9 posts / 3 participants

Popular hashtags

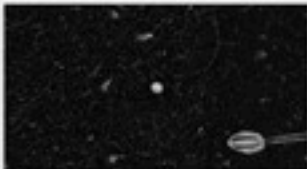









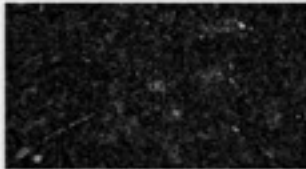

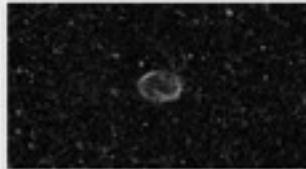

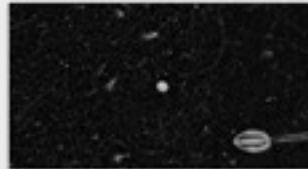





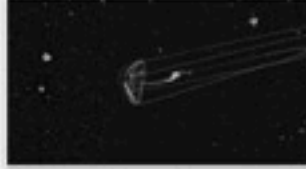



larvacean	medusa	protist
rocketship	thimble	sipho
copepod	shrimp	fff
house	ctenophore	solmaris
lobate	arrowworm	cydippid
corncob	larvaceanhouse	radiolarian
marinesnow	protists	

Currently Online

4 users

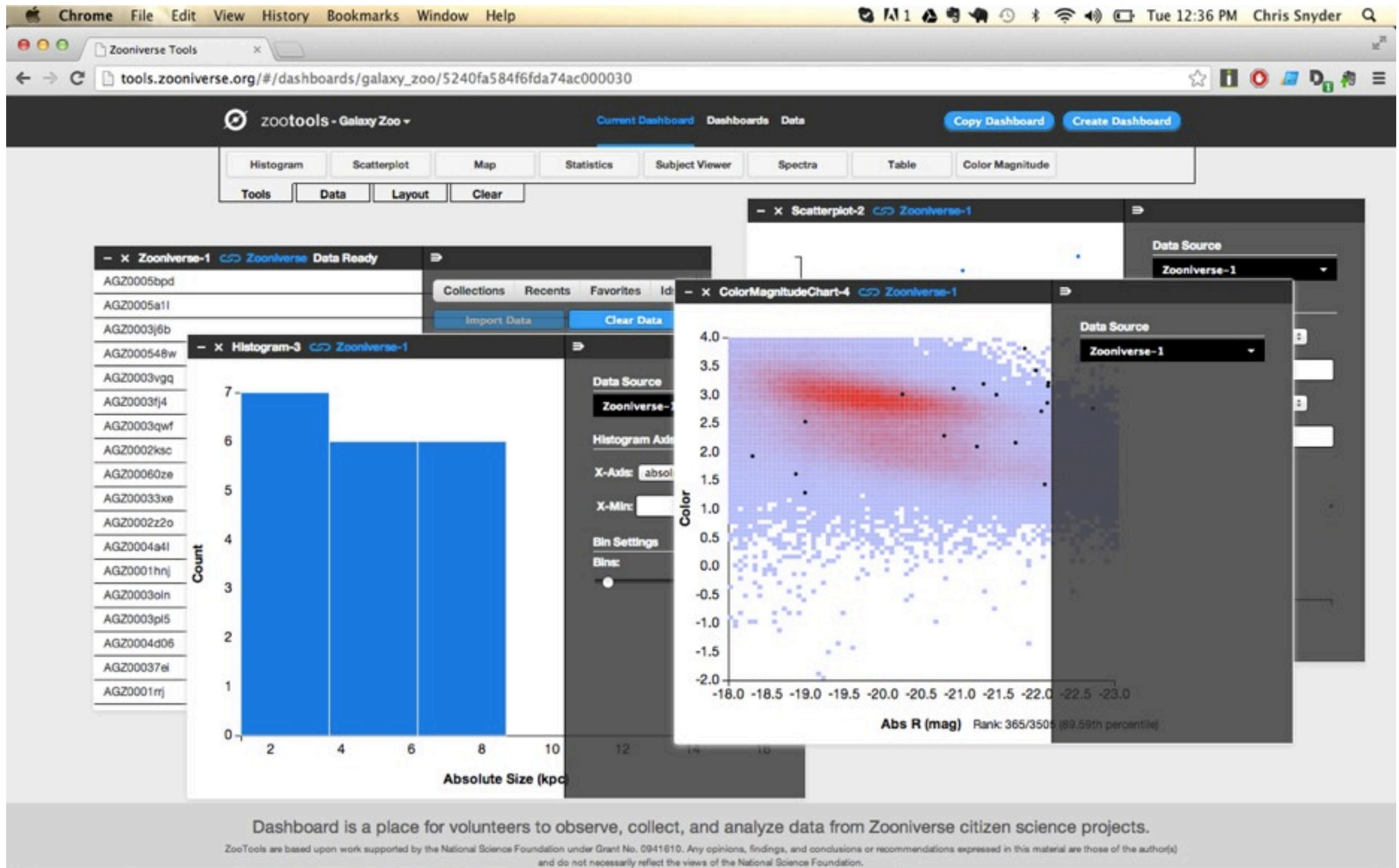
 gzoanf10	 bgrassian
 smallagoh	 agreer

Recent Object Comments...

 <p>Cool. :)</p> <p> by mimuniz 12 minutes ago</p>	 <p>Is this whole image a larvacean house?</p> <p> by mimuniz 20 minutes ago</p>	 <p>This is a #protist, likely a single individual! This guy is exceptional,</p> <p> by bgrassian 28 minutes ago</p>	 <p>Hmmm, I guess not, lol.</p> <p> by mimuniz 28 minutes ago</p>
 <p>I hope I labeled this correctly. Dolioid?</p> <p> by mimuniz 30 minutes ago</p>	 <p>I also think there is a #RocketShip #Thimble oriented in an opposing</p> <p> by bgrassian 42 minutes ago</p>	 <p>Yes, this house has been #abandoned, similar to what you</p> <p> by agreer an hour ago</p>	 <p>Nice one!</p> <p> by agreer an hour ago</p>
 <p>Hard to tell because it is blurry and wrapped around itself - probably a</p> <p> by agreer an hour ago</p>	 <p>That snake-like chain is a #radiolarian #colony...which are a</p> <p> by bgrassian an hour ago</p>	 <p>It does look that! I see the tentacle returning to the feeding limb in the</p> <p> by bgrassian an hour ago</p>	 <p>Strand of protist disks? or?</p> <p> by mimuniz an hour ago</p>

Load more

Tools



Teach



Groups

Chrome File Edit View History Bookmarks Window Help Tue 2:40 PM Chris Snyder

User Groups Test x

groups.zooniverse.org

zooGroups

Current Group

Zooniverse Education

Leave Group

Create Group

Group Name

☐ Is this group intended for classroom use?

Create Group

Zooniverse Education

Link: http://groups.zooniverse.org/#/sweet_sands_0

cyclone_center
kellinora: 3

galaxy_zoo
brian-c: 5
bumishness: 8

galaxy_zoo_starburst
kellinora: 3

leaf
parrish: 1

notes_from_nature
bumishness: 3

sea_floor
kellinora: 14

serengeti
akapadia: 1

spacewarp
akapadia: 4
You are in this group!

prot group

akapadia: 5
AdaKepler: 21

kellinora: 48

brian-c: 1

bumishness: 1

kellinora: 35
bumishness: 2

bumishness SIGN OUT

Soon™

When is a subject complete?

Who is the best person to look at this subject?

How likely is someone to leave the site in
the next five minutes?

What task is this person best at?

**How well is this person performing
compared to previous sessions?**

Thanks!

Chris Snyder
cs@zooniverse.org