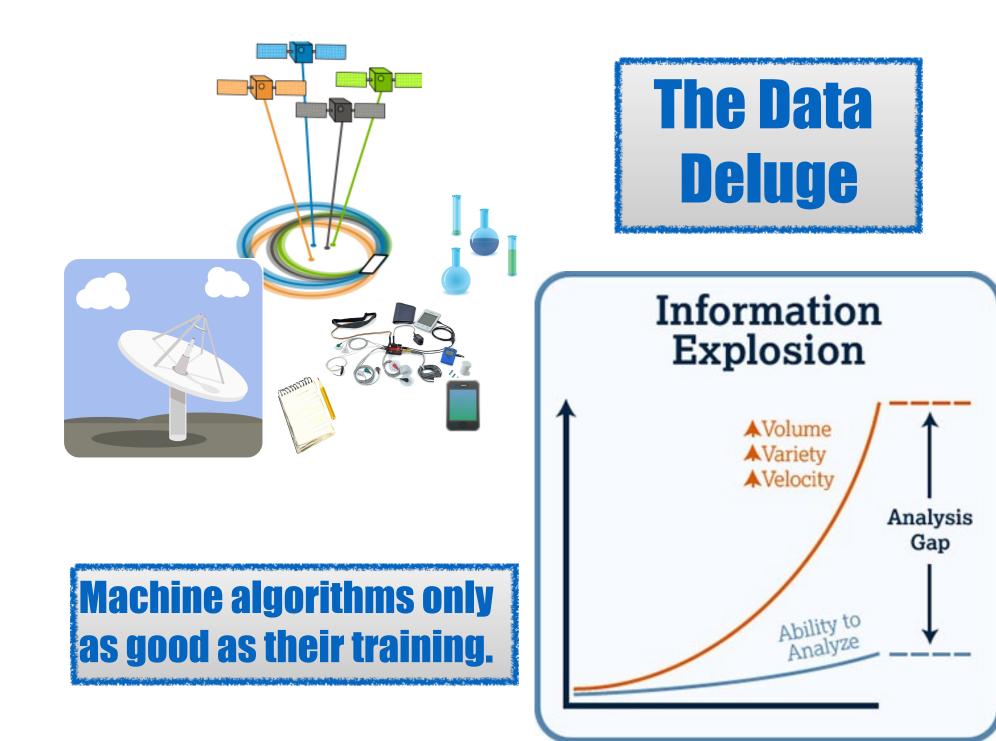
Zooniverse: Public Engagement Through Online Citizen Science



Interdisciplinary Publicly-Engaged Scholarship

November 10, 2017



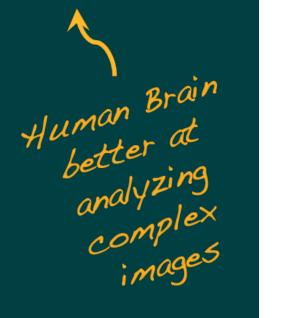
Which is better at spotting the tiger?





A computer? Or a five-year-old child?

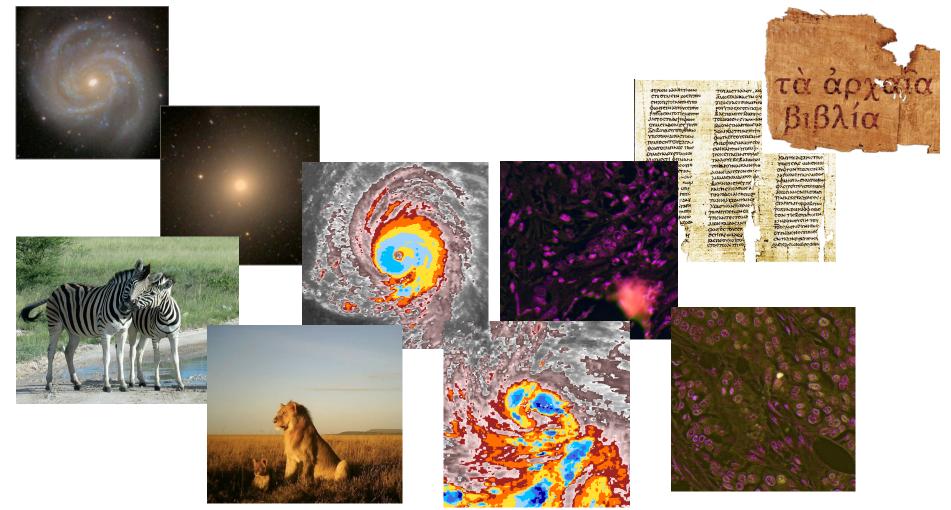






~40 million classifications by nearly 150,000 users in ~1 year Roughly 3.3 continuous person-years!

Astronomy not the only discipline with too much data!



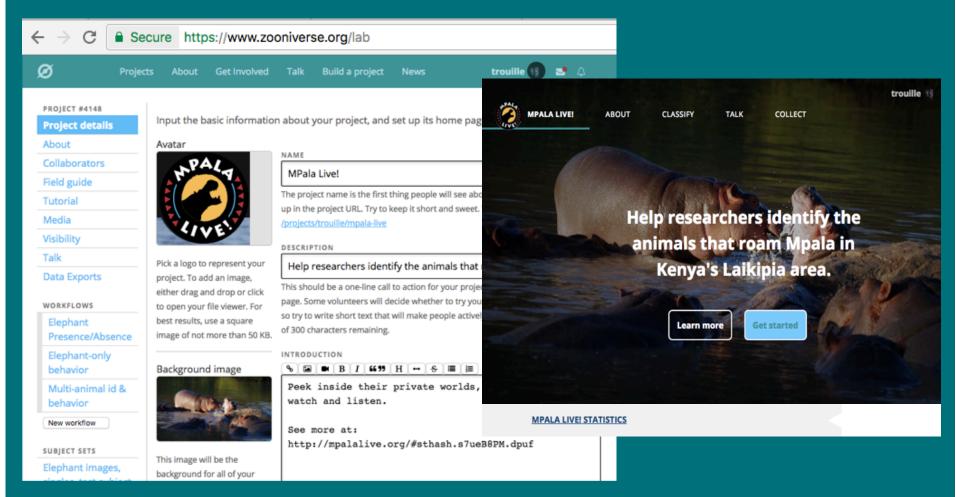
Zooniverse.org launched in 2010 All Projects + All Disciplines Arts Biology History Literature Medicine Climate Language Name: Most Recently Launched х . Showing 1-20 of 48 projects found. 1 2 3 UNDERSTANDING ANIMAL MILKY WAY PROJECT RADIO METEOR ZOO CAMERA CATALOGUE MAPPING CHANGE FACES Military & clearaub. × SUPERNOVA HUNTERS DECODING THE CIVIL WAR NOTES FROM NATURE PATTERN PERCEPTION SNAPSHOT WISCONSIN

120+ projects 100+ peer reviewed papers 1.7 million people worldwide! 1.0+ FTE effort in one year

Yippee! Way to go crowd!

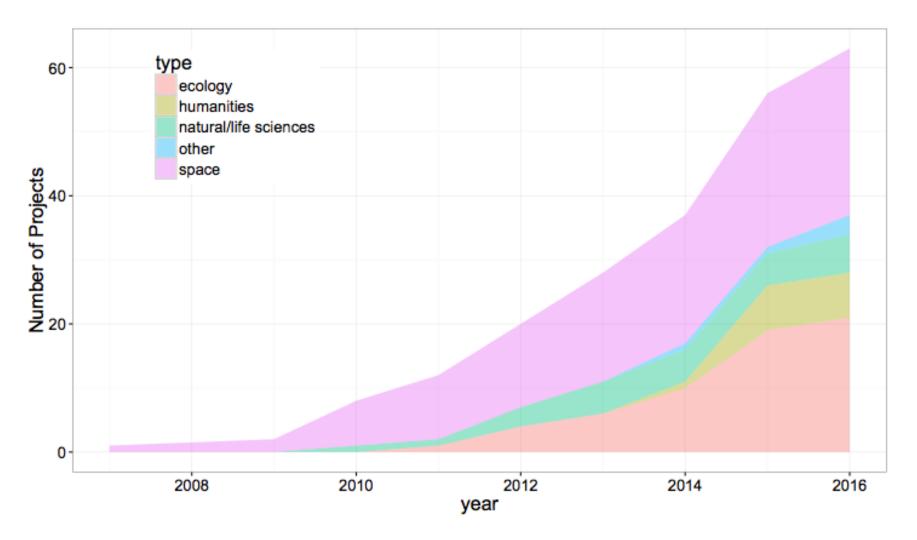
> ...umm...but how can they build projects that fast???

Zooniverse DIY Project Builder



Subject Types: Single or multiple images, video Project Types: Questions, drawing/annotations, drop-down, open text

Growth in Disciplines



Planetary Response Network



PLANETARY RESPONSE NETWORK & RESCUE GLOBAL: CARIBBEAN STORMS 2017

ABOUT

CLASSIFY

TALK

COLLECT

Subject set #3 is up. We've already completed workflow #1 (removing unclassifiable images). The current workflow (marking areas of need) is still going strong. Please refresh the page to make sure your system registers the update. And ignore the stats for now - they're lagging behind. Thank you!

Join the relief effort to help the victims of Hurricane Irma





202 people are talking about Planetary Response Network & Rescue Global: Caribbean Storms 2017 right now.

5,000 volunteers, 650,000 classifications for maps of destruction used by first responders for islands hit by Hurricanes Irma and Maria







Looks like 👻	٩	
Pattern Colo	r Horns	Tail Bu
Aardvark	Giraffe	Porcupine
Aardwolf	Guinea fowl	Reedbuck
Baboon	Hare	Reptiles
Bat-eared fox	Hartebeest	Rhinoceros
Bird (other)	Hippopotamus	Rodents
Buffalo	Honey-badger	Secretary bird
Bushbuck	Hyena (spotted)	Serval
Caracal	Hyena (striped)	Торі
Cheetah	Impala	Vervet monkey
Civet	Jackal	Warthog
Dik dik	Kori bustard	Waterbuck
Eland	Leopard	Wildcat
Elephant	Lion (female or cub)	Wildebeest
Gazelle (Grant's)	Lion (male)	Zebra
Gazelle (Thomson's)	Mongoose	Zorilla
Genet	Ostrich	Human

















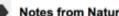












· Manageret Kosmak News 10.00 (84)

April 26, 2013

pshot Serengeti

Notes from Nature

Next week, Zooniverse is holding their annual meeting of project science teams. Since Al and Craig are both still in Tanzania, I'm going to be the only Snapshot Serengeti representative there, but I'm super expited to go. I went to this meeting last year, while we were still developing Snapshot Serengeti, and it was both really fun (the Zooniverse team in Chicago are awesome) and really useful. Since Zooniverse already had a dozen other projects live, I got a lot of advice from their science team members about what to expect when the Snapshot Serengeti went live, and also tips on analyzing the large data set that results from the project. This year, I'll be one of the people giving tips to the scientists of developing projects.

Speaking of which, if you haven't already, you should go check out Notes from Nature, which launched this week. It's a bit different from Snapshot

BEARCH

Subscribe to RSS

WELCOME

This is the blog of Snapshot Serenget from the Zoon/ver researchers by going on a virtual safari in Tanzania.

RECENT POSTS

Notes from Nature

Baby resting, I hope. Seems to be breathing. Great sequence of photos.



O by Susan327 2 days ago



O by Busan327 2 days ago



by sobbb 2 days ago

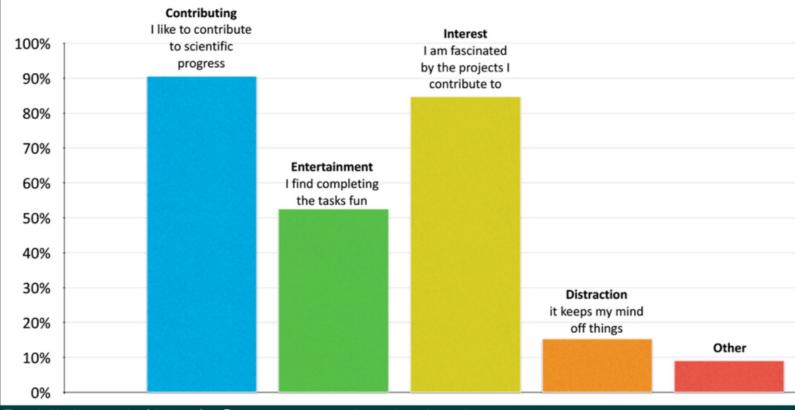


topi and young?

O by heate3 a day ago

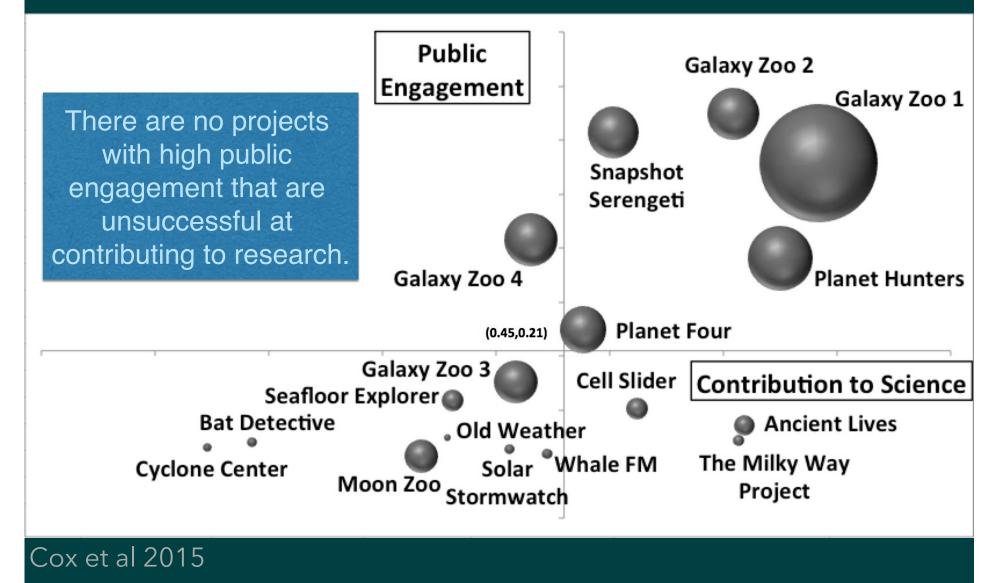


Why volunteers classify



Raddick et al. (2013); Crowston et al. submitted

Success Matrix



Zooniverse@UMN



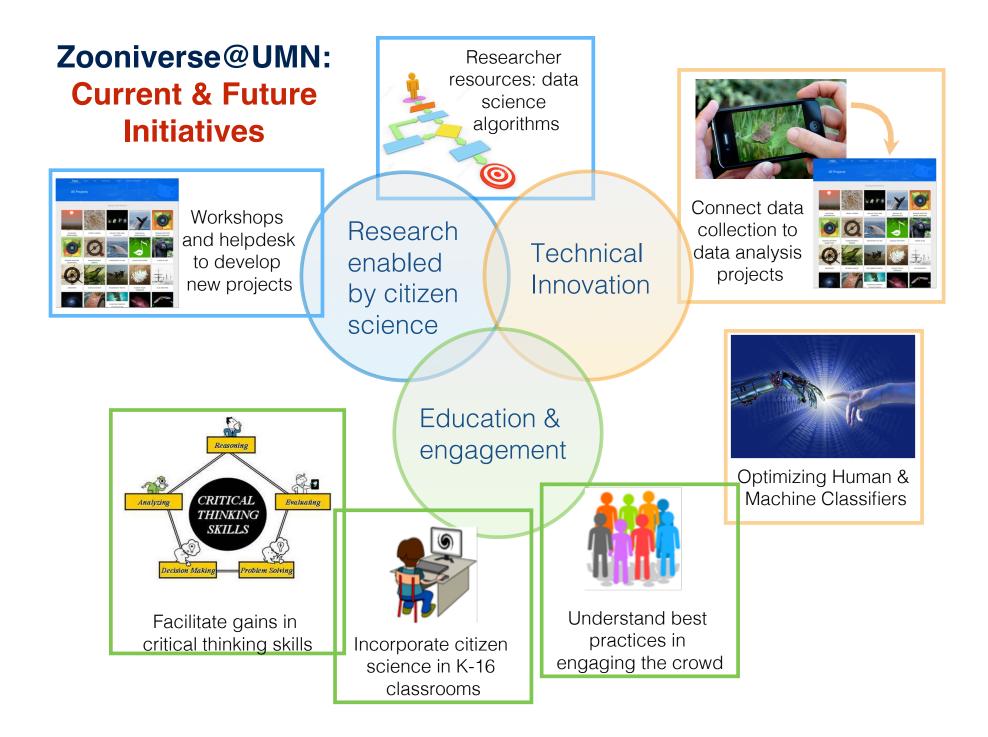
Muon Hunter

Measuring the ANZACs Decoding the Civil War Mapping Change

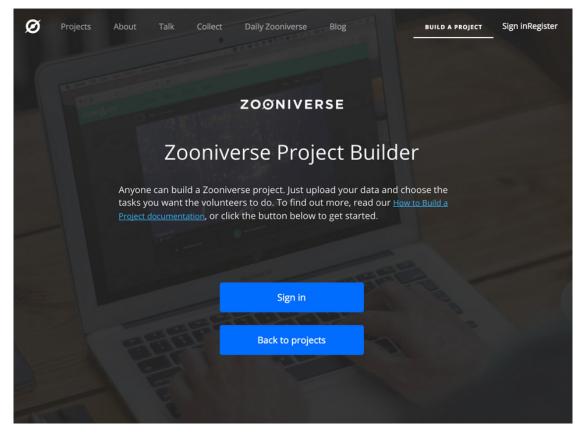
Supernova Hunter

- Projects with UMN Research Team Members
- Projects with UMN Developer
- Many upcoming projects!!





Build your own project!



https://www.zooniverse.org/lab Thank You!

Credits

Zooniverse international web dev, design, & research team (28 people strong):

- Oxford: 7 devs, 2 researchers, 1 communications lead, PI Chris Lintott
- Adler: 7 devs, 1 designer, 1 researcher, co-l Laura Trouille
- UMN: 1 developer, 1 data scientist, 4 researchers, lead Lucy Fortson
- Portsmouth: 1 data scientist, lead Karen Masters



Zooniverse Team Meeting at UMN, October 2016

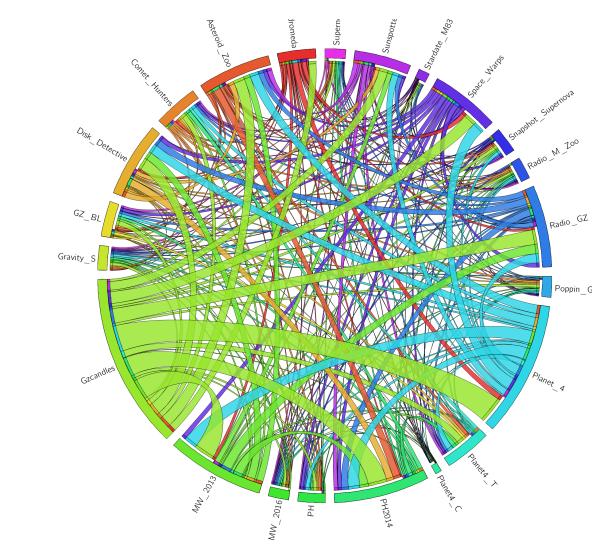
Funded in part by: NSF, NASA, NOAO, NEH, Google, Sloan in the US AND THANKS TO ALL OUR VOLUNTEERS WHO MAKE ALL OUR WORK POSSIBLE !!

BACKUP SLIDES

Calculating Success

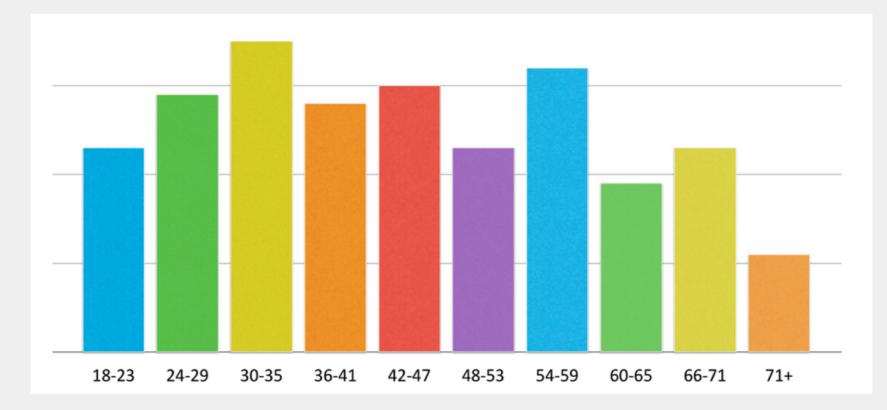
Matrix Element	Performance Indicator	Measurement
Contribution to Science	Data Value Project Design and Resource Allocation	Publication Rate
		Completeness of Analysis
		Academic Impact
contribution to science		Resource Savings
		Distribution of Effort
		Effective Training
Public Engagement	Dissemination and Feedback	Collaboration
		Communication
		Interaction
	Participation and Opportunities for Learning	Project Appeal
		Sustained Engagement
		Public Contribution

Cox et al 2015



Volunteer pathways between projects

Age breakdown



Volunteer demographics – sex

