scistarter™
Science we can do together.

Darlene Cavalier
@SciStarter

scistarter™

Science we can do together.

We connect regular people

to real science they can do.

Millions of people enjoy science & nature.

Thousands of scientists need volunteers.

But they can't find each other.

We connect them

CITIZEN SCIENTISTS ARE
BUILDING TOOLS FOR
THE FUTURE
FIND A PROJECT
Find a location
enter a location
Select a topic
select a topic...
find a project

CITIZEN SCIENTISTS ARE
USING SCIENCE TO ADDRESS
LOCAL AND GLOBAL PROBLEMS
FIND A PROJECT
Find a location
enter a location
Select a topic
select a topic...
find a project

CITIZEN SCIENTISTS ARE
DISCOVERING
NEW WORLDS
FIND A PROJECT
Find a location
enter a location
Select a topic
select a topic...
find a project

CITIZEN SCIENTISTS ARE
ADVANCING
MEDICAL RESEARCH
FIND A PROJECT
Find a location
enter a location
Select a topic
select a topic...
find a project

★★★★★(3)

scistarter affiliate

bookmark | Join Project

✓I have worked on this project

EyesOnALZ

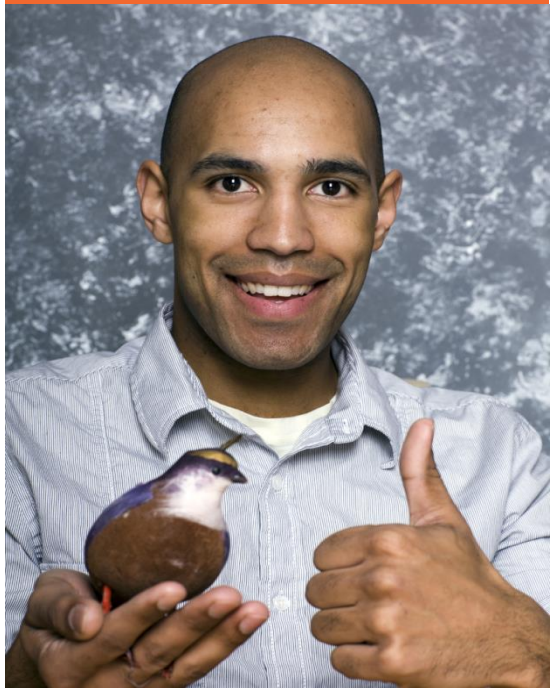
Presented By:	Human Computation Institute
Goal:	Speed up Alzheimer's research
Task:	Build 3D blood flow models and discover stalled vessels.
Where:	Online only
Description:	Help scientists analyze brain blood flow movies - are blood vessels flowing or stalled?

One symptom of Alzheimer's that has been known since the discovery of the disease is reduced blood flow to the brain, but until now, nobody knew why. That is why this aspect of the disease, which likely contributes to cognitive problems and accelerates injury to brain cells, has remained untreated.

New specialized imaging techniques have allowed Cornell University researchers to discover a potential cause of the reduced blood flow. This suggests new treatment approaches that

Someone you know is a Citizen Scientist

eBird
1.5 million reports



1.5 million
water testers

SETI@ home 5
million volunteers

Citizen Science is Serious Science.

Galaxy Zoo

Co authored ***dozens of peer-reviewed papers***

Audubon

Showed that ***birds migrate closer to poles*** due to global warming

Sound Citizen

Discovered ***cocaine & hormones*** in Puget Sound drinking water

Because of Citizen Scientists, we now know:

(Cooper et al. 2014)

- Birds are breeding earlier
- 50+ types of bacteria live in your belly button
- Jupiter-sized planet discovered
- Invasive mosquito species has arrived in Germany

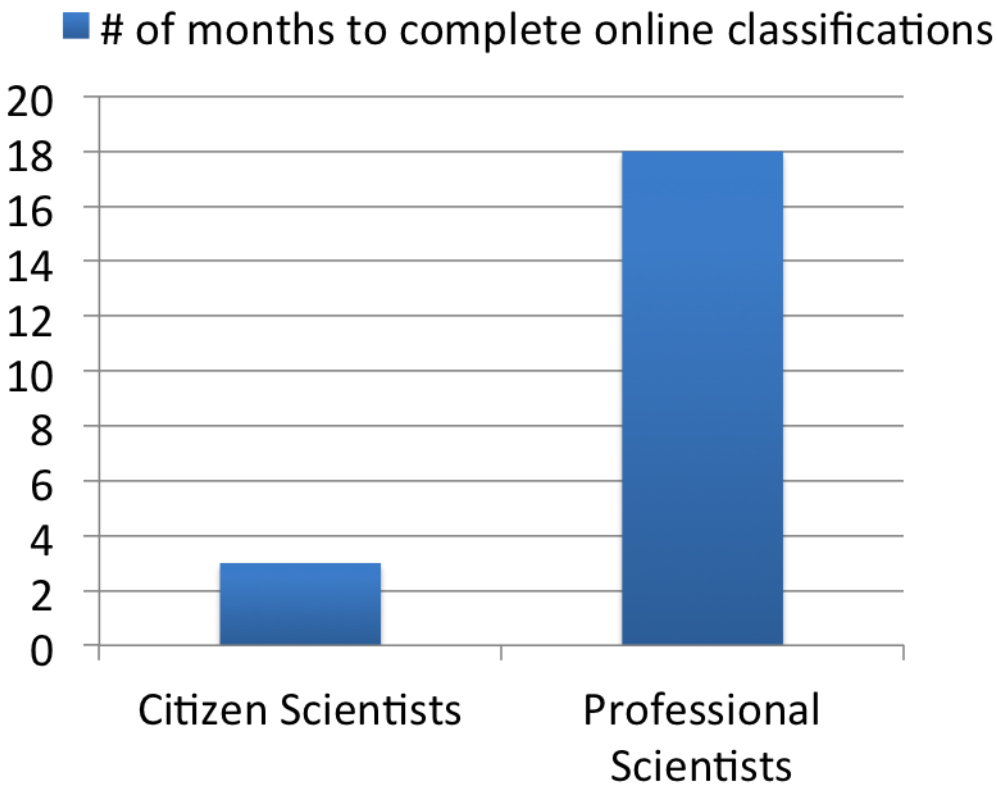
Because of Citizen Scientists:

In a study of **338** citizen science projects:

1.3–2.3 million citizen scientists had an economic value of **$2.5 billion** per year.

Because of Citizen Scientists:

Cell Slider: Classify Online Images of Cancer



Because of Citizen Scientists:

Data is equal to or more accurate than professional scientists' data.

Source: Andrea Wiggins

Because of Citizen Scientists:

Source: Brossard, et, al,

“… increased understanding of scientific methodology, validity, and reasoning…”

Because of Citizen Scientists:

- Accurate data
- Accelerate research
- Economic impact
- Increase understanding of the scientific method

Snippet of webcode tracks contributions.

It feels good to contribute to science, right? Do more by becoming a SciStarter member and gain credit for your contributions. Learn more!

Create a SciStarter Account

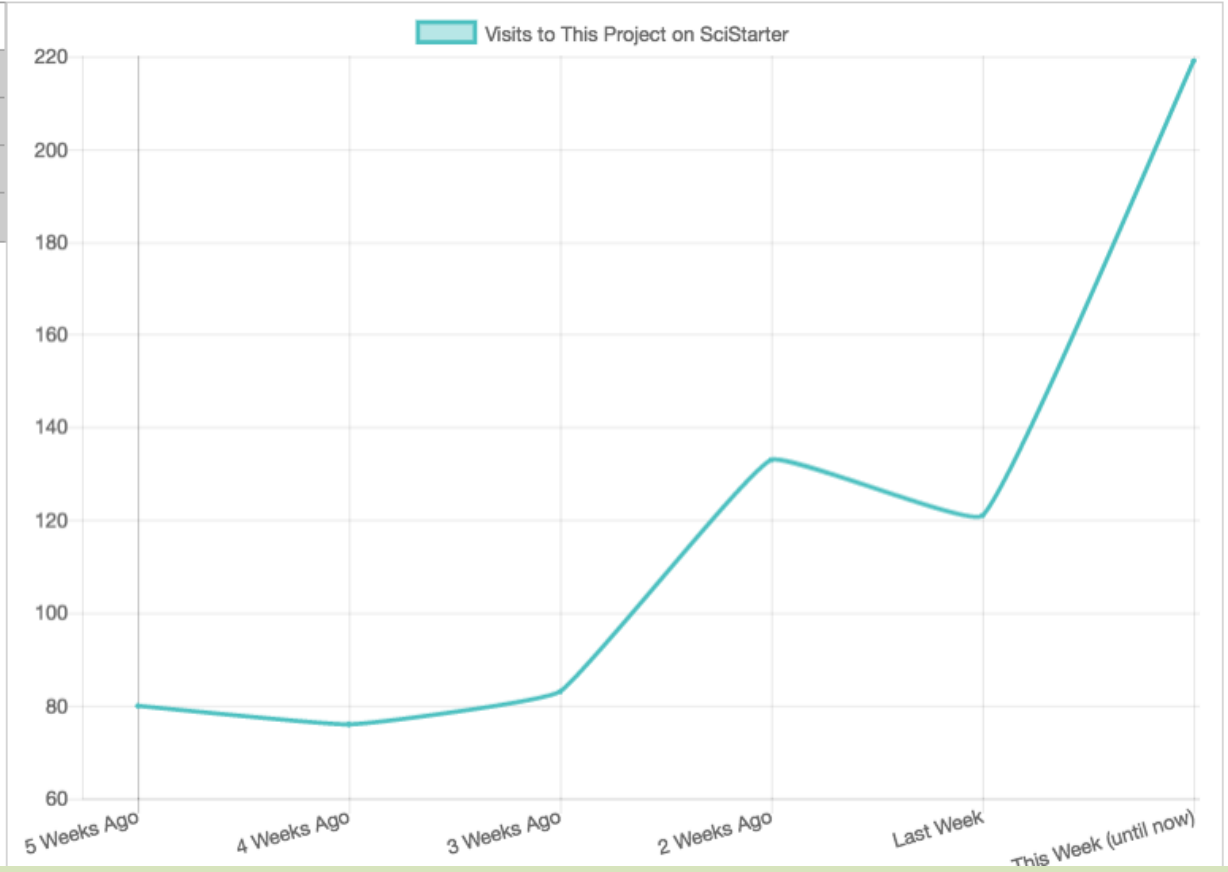
You're a SciStarter participant! Your contributions to this project are tracked and will show up on your forthcoming SciStarter dashboard.

Track Contributions

Stats

(EyesOnALZ)

Page Visits	19,484 total
Bookmarks	10 total
Joined Project	362 total
SciStarter Participants	430 total
Ratings	3 total



Stats

(EyesOnALZ)

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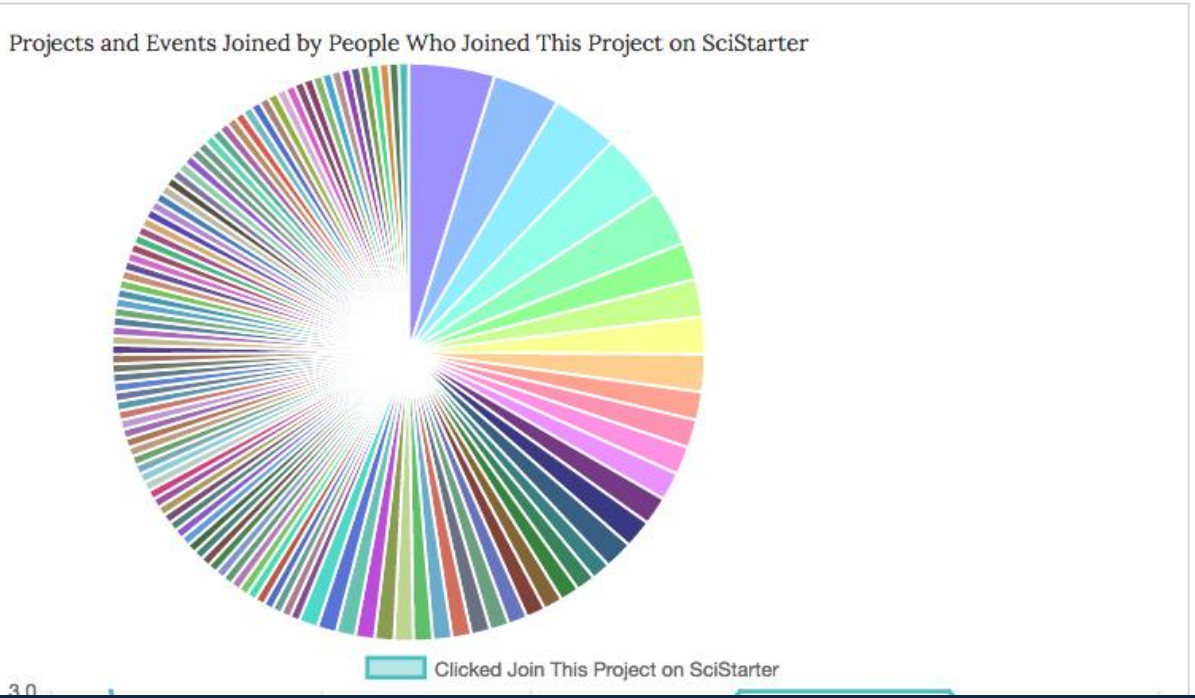


Personalized Dashboard

Chimp&See

actions

View project
Go to project website
Remove from my dashboard

mPING

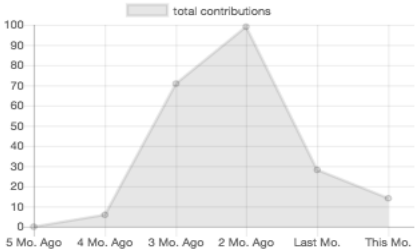
actions

Community air quality monitoring

Lake Observer mobile app

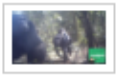
actions

Contributions



Broad Participation
Track Contributions

Bookmarked Projects



Chimp&See

mPING

Wading for Water Sticks

View all Bookmarked Projects

Bookmarked Events

You haven't bookmarked any events yet. Check out the Event Finder.

Projects you might like

Long-term Monitoring Program and Experiential Training for Students (LiMPETS)

The River Otter Ecology Project

COASST

View all Recommended Projects

Find Volunteers

Looking for more volunteers for your project?

1. Fill out as many of the fields in Additional Info as you can. That helps potential volunteers find your project based on their location and interests.
2. Help us build a new tool that will help Affiliate and Premium members target and recruit volunteers! Complete our short survey so we know what features will best help you do that: goo.gl/forms/oFXNshH6DVoiEnjF3.

Show Only

address, zipcode, or lat/lo: | Any Interests | Any Activities | Any Skills

Clear | Search

Recruit and Retain
Acquire Data

Manage and Message Volunteers

Keep track of who has joined your project and message your volunteers.

Message to Selected Volunteers

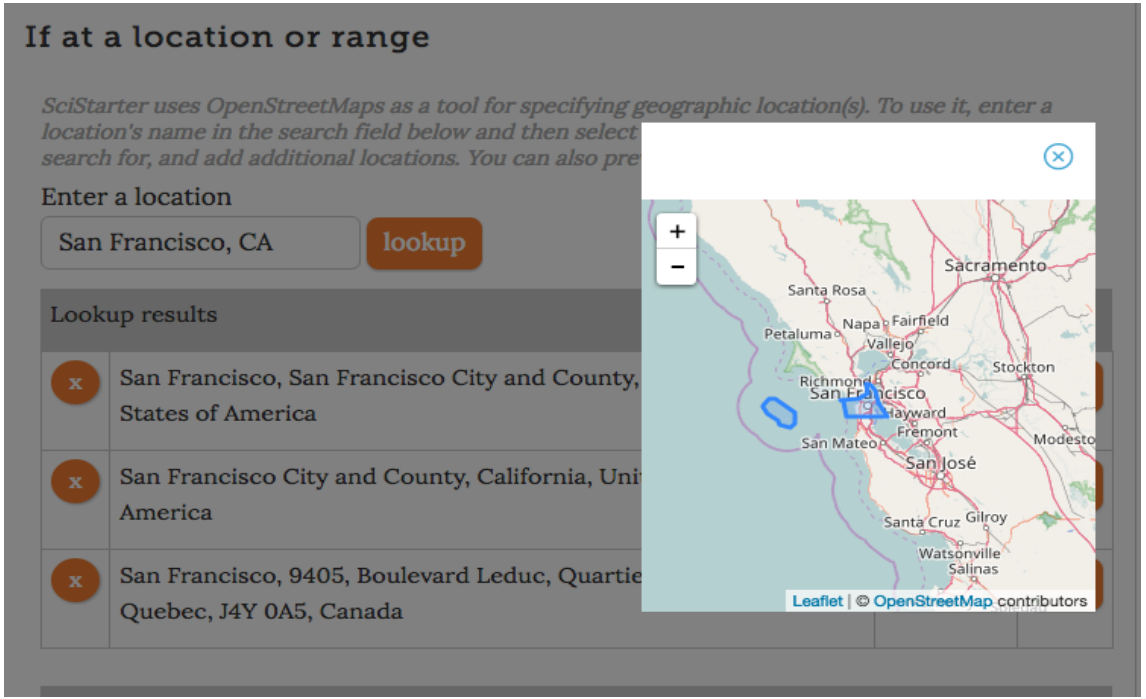
Search your volunteers

Volunteer	Member Since	Last Active	Last Contacted	Contributions	Zipcode
SciStarter Participant	11/28/2016	11/21/2016		4	90401
Anonymous	11/27/2016			0	93720
Anonymous	11/23/2016			0	54767
Anonymous	11/20/2016			0	05495
Anonymous	11/19/2016			0	80526
Anonymous	11/20/2016			0	64601
djarb	06/13/2009		11/17/2016	0	98840

Recruit and Retain
Acquire Data

Connect with Citizen Scientists +
Project Leaders

Project Leaders can add specific locations



Recruit and Retain
Acquire Data

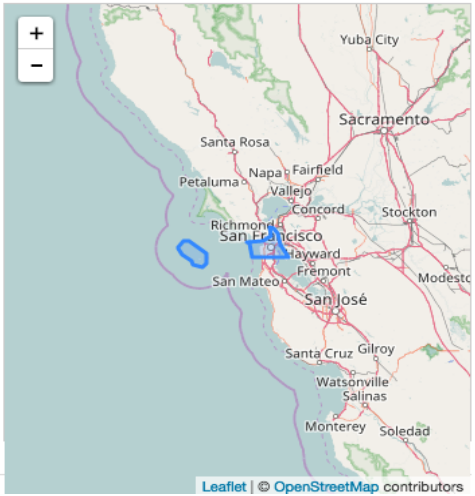
Citizen scientists can add location

My Places

Add locations where you would like to find projects. This will help Scistarter find the projects you want, and alert reseachers conducting studies in these areas.

- Chicago, Cook County, Illinois, United States of America
- Los Angeles County, California, United States of America
- San Francisco City and County, California, United States of America
- Tucson, Pima County, Arizona, United States of America

Save My Places



Local Relevance

Find projects based on location

Project Finder

Enter a word or phrase

San Fran

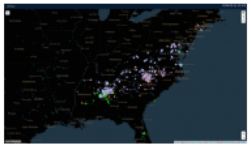
- **San Francisco** CA, United States
- **San Francisco County** CA, United States
- **San Francisco Avenue** Long Beach, CA, United States
- **San Francisquito Canyon Road** Santa Clarita, CA, Unite...
- **San Francisco Avenue** Pomona, CA, United States

powered by Google

- can be done online
- can be done indoors
- can be done outdoors

List | Map

Featured Projects



credit: University of Oklahoma

Add Bookmark

mPING

★★★★★ (3)

Goal: Collect global observations of weather conditions at the ground

Task: Use app on iOS or Android to submit weather conditions

Where: Anywhere

Community air quality monitoring

Local Relevance

Participants Say | Educators Say

Rate this project

★★★★☆

jred8987 12/15/2016

Great location for information

★★★★★

carolyn.santangelo 12/15/2016

Easy to use and something that would be "on the spot" teaching

Project Finder

Enter a word or phrase

Enter a location

All Activities

All Topics

×has classroom materials

×elementary school (6-10 years)
×middle school (11-13 years)
×high school (14-17 years) ×college
×adults ×seniors

clear form | find projects

We can now ask and answer new research questions

- What drives participation in citizen science?
- What motivates people to stay or change projects?
- Do people who participate in multiple projects serve as better citizen scientists?
- Can we use embedded tracking and assessment in SciStarter to understand linkages between participation dynamics across projects and learning outcomes?
- What roles do different projects play in the landscape network of projects?

Limited Studies

Future

ECAST
EXPERT AND CITIZEN ASSESSMENT OF SCIENCE AND TECHNOLOGY

Track Advocacy

Integrate citizen science tools

Develop microcredits or badges

Future

Translate informal STEM experiences into formal accreditations.

Embedded assessments to measure practiced or acquired competencies.

Future

Getting Started Kits!

Future

GLOBE Observer
by NASA
Cloud Protocol
1. Download the app
2. Use referral 'SCISTARTER'
3. Enter your cloud observations
4. Submit your data
micro phone lens
Turn your cellphone camera into a handheld microscope
15X
lifescanner
scistarter.com
People Powered Science
Citizen Scientist
Astronomy
Discover
Do citizen science!
scistarter
Astronomy
Discover
VOLUNTEERS WORLDWIDE UPDATED MAPS OF ROADS AND DAMAGED BUILDINGS
THE RIGHTFUL PLACE OF SCIENCE:
CITIZEN SCIENCE

Future

Interested in joining our Education Advisory Committee?

Email Darlene@SciStarter.com

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Science we can do together.

People-Powered Science