

# Citizen Science, Open Science & scientific publication

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# Citizen Science (OED 2014)



**citizen science** n. scientific work undertaken by members of the general public, often in collaboration with or under the direction of professional scientists and scientific institutions.

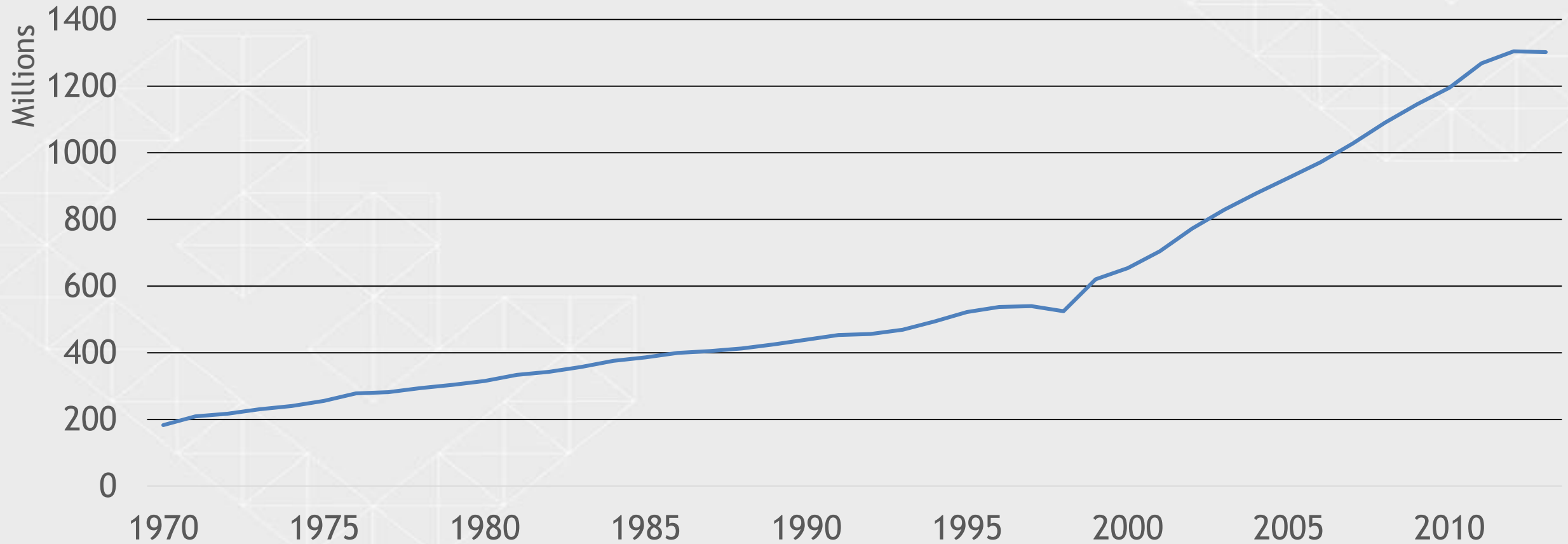
**citizen scientist** n. (a) a scientist whose work is characterized by a sense of responsibility to serve the best interests of the wider community (now rare); (b) a member of the general public who engages in scientific work, often in collaboration with or under the direction of professional scientists and scientific institutions; an amateur scientist.

# Increased level of education

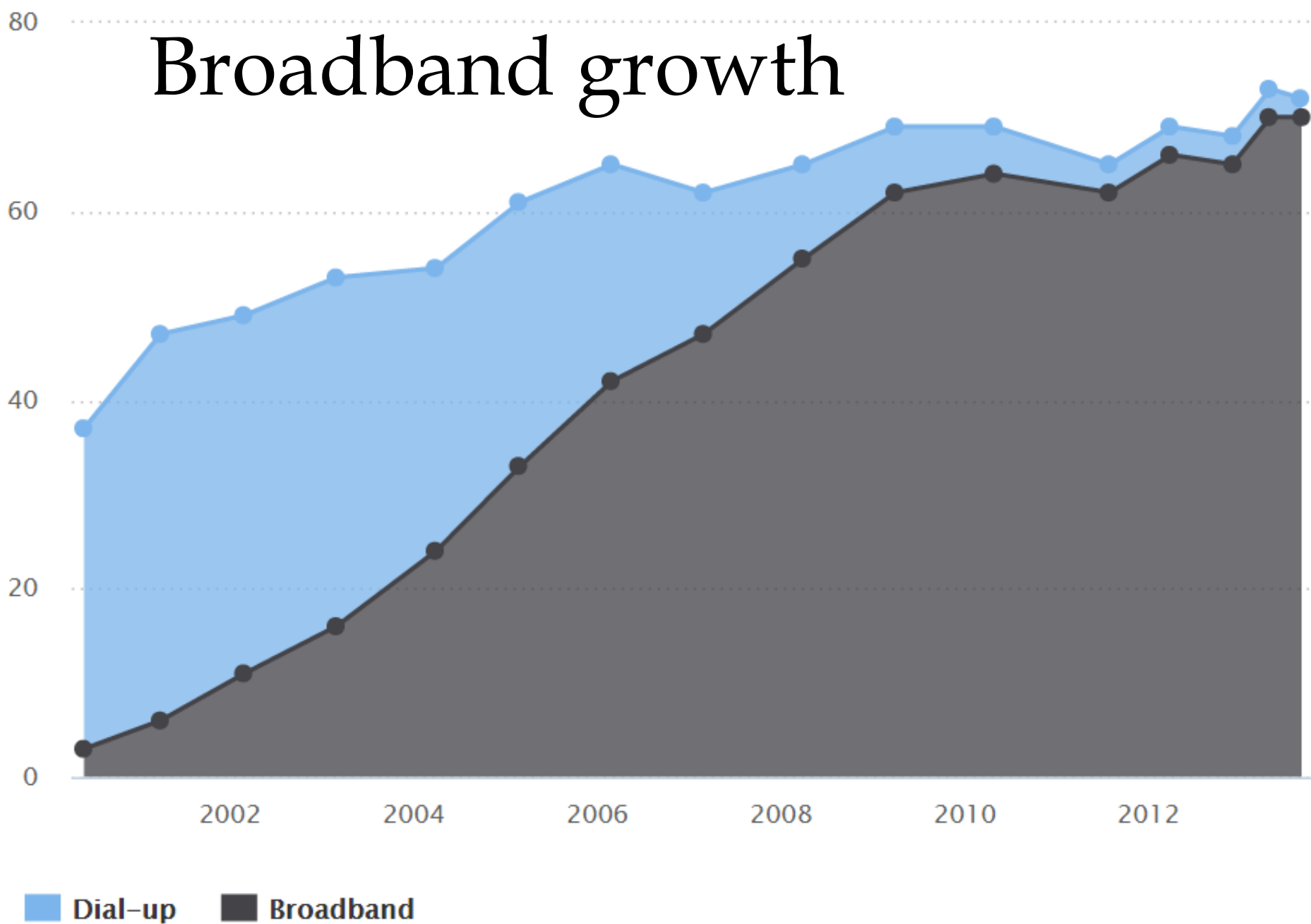


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Enrolment in tertiary education, all programmes, both sexes (number)



# Broadband growth

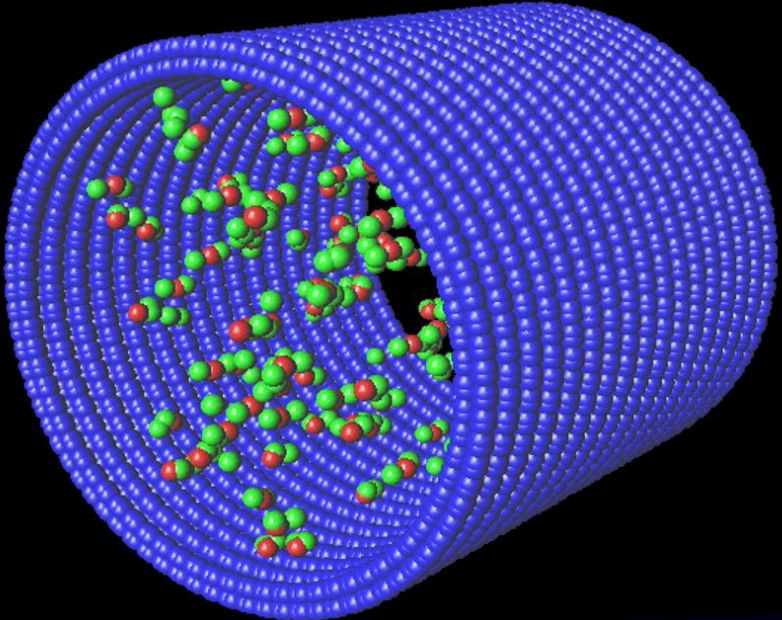


# Volunteer computing

[workunit: ] 4,800 3:35:26

## Computing for Clean Water

BOINC



Prog: 14.3%

world community grid™  
technology solving problems

Powered by IBM CNMM

You can join World Community Grid at <http://www.worldcommunitygrid.org/>

Tasks

**FightAIDS@Home - Vina**  
World Community Grid  
ready 75.0%

Elapsed time: 04:03:30  
Task Name: FAHV\_x3NF6\_B\_IN\_FBPb\_rig\_0205859\_0382\_8  
Deadline: Sat 29 Mar 2014 07:10:29 pm

**FightAIDS@Home - Vina**  
World Community Grid  
ready 20.0%

Elapsed time: 02:07:44  
Task Name: FAHV\_x3NF6\_A\_IN\_Y3a\_rig\_0205304\_2274\_4  
Deadline: Sat 29 Mar 2014 09:40:34 pm


Computing will resume when battery charge reaches 90% (currently 73%)



# Volunteer thinking



# UCL



UCL Home » Transcribe Bentham » Transcription Desk

**Navigation**

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**Toolbox**

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**Transcribe Bentham**

**Welcome to the Transcription Desk**

The Transcription Desk is the heart of a major online initiative to transcribe the manuscripts of Jeremy Bentham from the archives of University College London. The project is funded by the AHRC, and managed by UCL Bentham Project and UCL Digital Humanities, with the support of the University of London Computer Centre.

Researchers and students interested in the works of Jeremy Bentham are invited to assist us by using the Transcription Desk to type up the text of the manuscripts. For each manuscript to be transcribed, the Transcription Desk shows a digital image of the manuscript and an online text editor to enter and edit your transcription of the text.

**Transcribe Bentham Right Now!**

Transcribe Bentham is running MediaWiki version 1.10.0. It has 318 articles, and 692 pages in total. There have been 14,545 edits. There are 1,400 registered users, including 6 administrators. There are 82 uploaded files. This information is correct as of 14:44 on October 7, 2011. This page last edited by TB Editor on 7/10/2011.

**Discussion Forum Info**

Weekly Progress...	(46 Replies) (3622 Views) (Fri 7th - TB Editor)
New material av...	(2 Replies) (110 Views) (Wed 5th 4 - TB Editor)
Remarkable manu...	(0 Replies) (48 Views) (Wed 7th - TB Editor)
Foreign languag...	(8 Replies) (761 Views) (Tue 30th - TB Editor)
Can't edit manu...	(0 Replies) (695 Views) (Mon 8th 11 - TB Editor)
More volunteer ...	(0 Replies) (234 Views) (Thu 16th 1 - TB Editor)
Is this the mos...	(5 Replies) (271 Views) (Fri 20th 1:2 - Lea Stern)

**New users**

- Create an account
- Getting Started
- Find out more about the project and how to get involved
- Watch videos about Jeremy Bentham

**Existing users**

- Registered users can login here
- Transcription Guidelines
- Select a Manuscript
- Discussion Forum
- Transcribe Bentham Blog

**Further information**

- Help on using the Transcription Desk
- Check out the project's latest news
- Technical Requirements
- Code of conduct
- Contact the project
- List of Users

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Close Help + Send Save

View mode: [icon]

Metadata options: [icon] [icon]

View Options [icon] [icon] UCL Bentham MS Box 096\_269

JB/096/269/001

**Macaulay's Hist Vol II. p. 147. A<sup>o</sup> 1633**

"the worthy pursuits of science were, with never failing watchfulness, barred from the subject by those Arguses who guard tyranny, the licensors of the Press. Thus excluded from the useful paths of literature, the people of genius and fancy applied themselves solely to the writing plays, and such like kind of compositions"..... which, though they

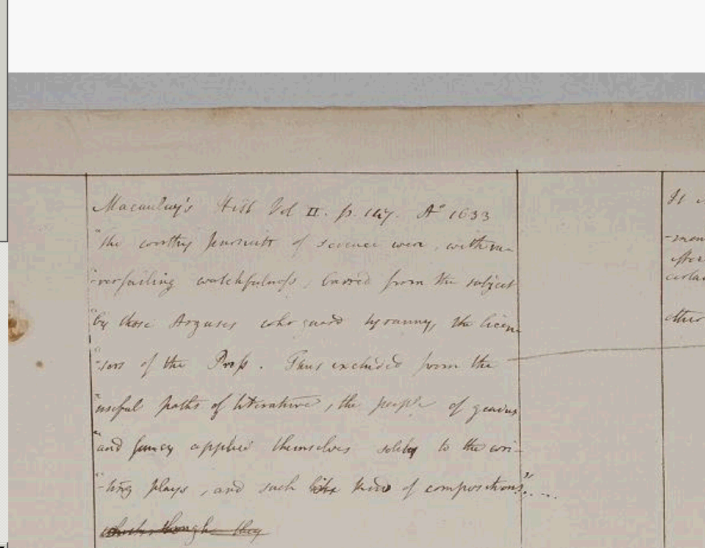
The genius and effect of an may be seen in the cast of its productions Where the force influence of Political or thelogious Sanctions is employd set at work to guard a set of favourite tenets from contradiction, that departments of province of literature to which these tenets belong [...] is a [...].

--page break--

All that tract[?] is shunned with an instructive horror as if it had the plague infected it.

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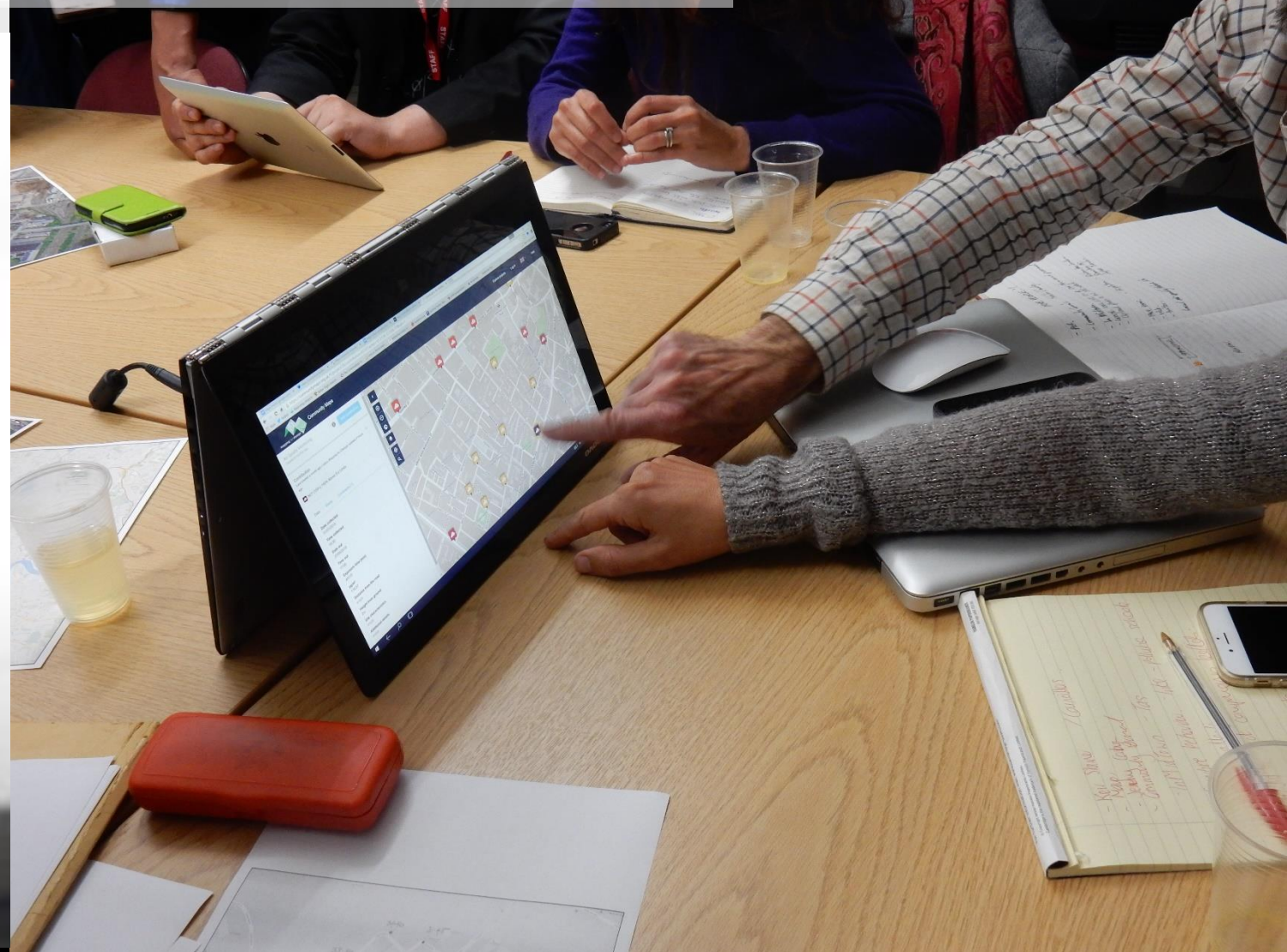
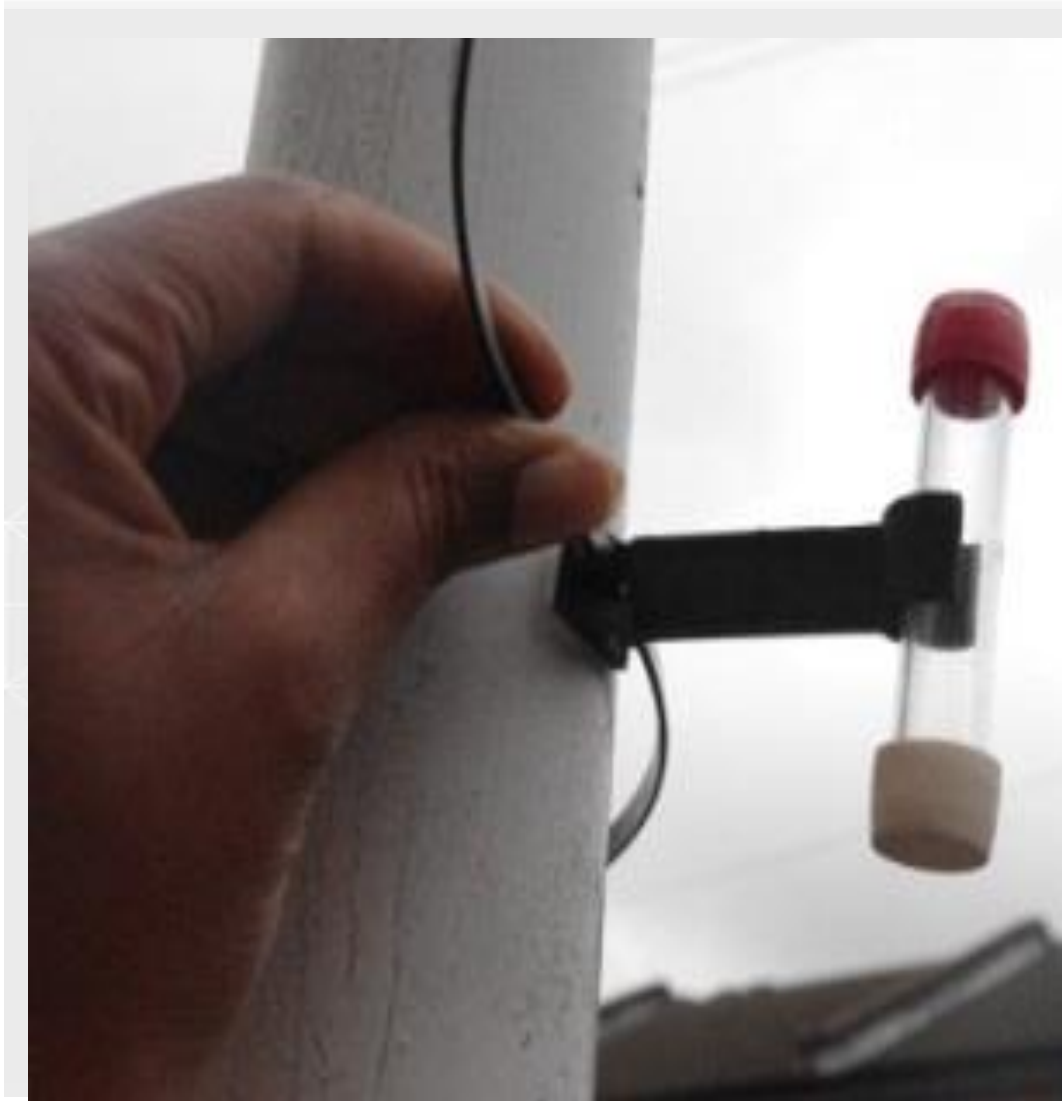
View Options [icon] [icon]



# Community-led air quality studies



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# Citizen Science & Open Science



- Participants are well educated & contributing to science is known to be a core motivator
- Provided free labour or resources, and more want to see outputs used openly
- Have the right to read about the research they've done
- It's necessary to keep motivation & feedback
- Participants can also analyse the data and might have their own analysis, visualisation and conclusions. Open source tools make this possible.



# Citizen Science & Scientific Publication



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- Strong support for Open Access
- Reluctance to engage / open criticism for engagement with some publishers
- Creative solutions to open access to data & publications emerge



Stewart Brand

@stewartbrand



Follow

Good luck, citizen scientists, in reading these 12 papers about citizen science. They're behind a paywall (except 3)



Abby McBride @sketchbiologist

12 new papers on citizen science in conservation (including 3 #openaccess) @ConBiology [onlinelibrary.wiley.com/journal/10.1111](https://onlinelibrary.wiley.com/journal/10.1111)

...

RETWEETS

12

LIKES

10



12:34 PM - 26 Apr 2016



David Oliver Doswell @iamdaviddoswell · Apr 26

@stewartbrand @sketchbiologist @ConBiology long live @scihub



1

