Citizen science: The role of crowdsourcing in digitising museum collections

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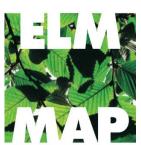
NHM's citizen science projects













































ZOØNIVERSE

- Atlas of Living Australia DigiVol
- iDigBio
- Les Herbonautes
- Herbaria@Home
- Smithsonian Transcription Center
- etc



- Exploring the impacts of climate change on the UK's flora, using orchids as a model group
- Outdoor photography and online crowdsourcing
- 1,900 participants
- 55,000 online classifications
- 1,800 new field observations from 90/112 VCs, 200 new sites?
- Identified errors in our existing database



Bee Orchid

Sphrys apifera, Huls,

Grany clope, Letcham Lote Par

(collected in 1918)



Project Plumage



www.projectplumage.org

Patterns of participation

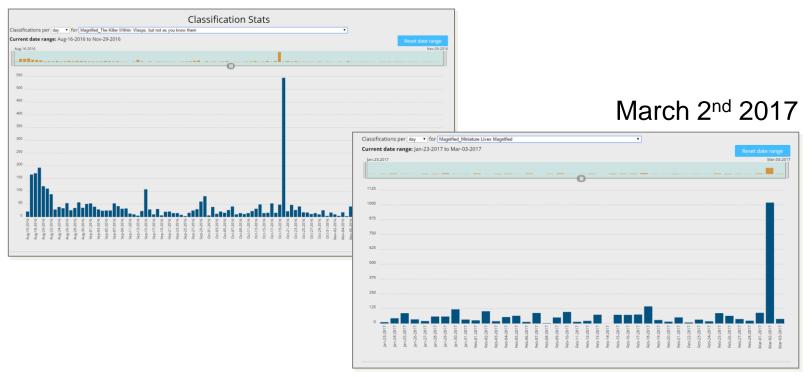
Our statistics show a long-tail pattern of engagement, whereby 14 out of 600+ participants were the most active contributors, and 2 volunteers in particular were 'super-classifiers'.



Visiteering

On site crowdsourcing with a behind the scenes tour, talk with a curator and support by museum staff throughout the day.

October 20th 2016 - as part of WeDigBio



LEARN CitSci Learning and Environmental Science Agency Research Network for Citizen Science

A collaboration between citizen science practitioners and learning researchers in UK and US.

Four year project starting Spring 2017.

Research into the learning outcomes and development of environmental science agency for young people who participate in NHM-led citizen science projects.

We will be studying young people taking part in crowdsourcing projects on the Zooniverse.

Funded by NSF, Wellcome and ESRC.













Pros and cons of the Zooniverse

Pros

- 1 million registered users
- Project builder
- Staff support
- Long-term commitment to the platform
- Publicity and high profile
- Low cost

Cons

- Competition between projects for participants
- Project builder backlog of projects awaiting approval
- Staff overstretched
- Fairly fixed layout and functionality within the site
- Limited exposure for your brand

Considerations / discussion points

- Its not free! Doing citizen science well requires resources. Cost vs value.
- Its not an 'easy option' you still need to support and train the volunteers
- It's not suitable in all circumstances or for all collections
- We may need to think of new publicity mechanisms public events have not been very successful recruitment tools for us.
- It can attract alternative sources of funding for digitisation how can we exploit that?
- Awareness raising for the cause why are we digitising all this stuff in the first place? Opportunities for learning, engagement, inspiration, role models

Questions?



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