



The impact of a 3rd party platform on volunteer communities

ECSA 2020

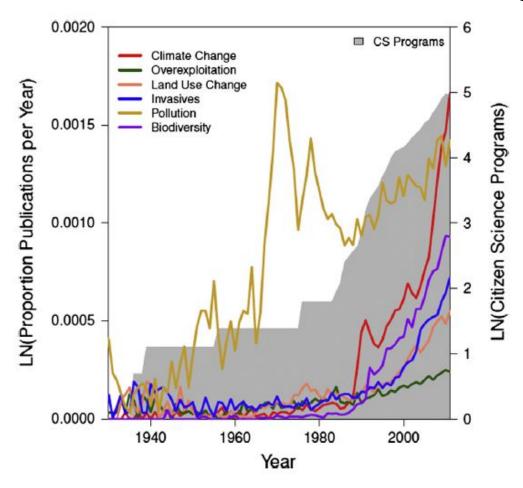
Bradley Allf, Caren Cooper, Lincoln Larson, Sara Futch, Maria Sharova, Helen Spiers, Naama Dayan, Kobi Gal





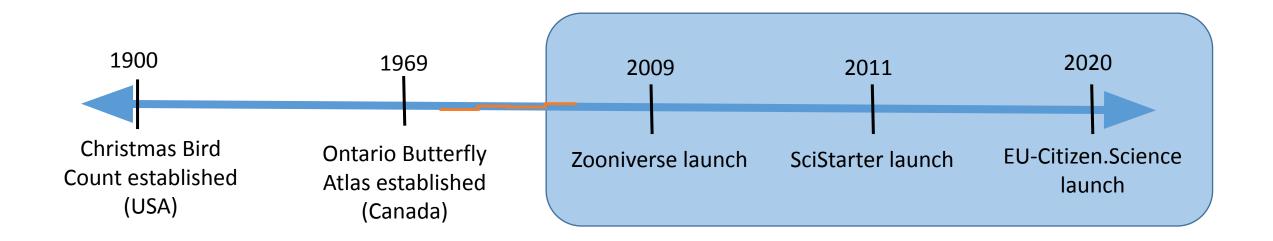


Citizen Science is Growing

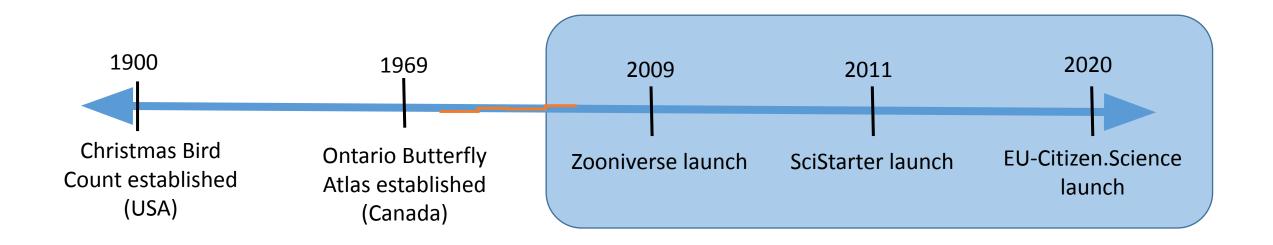


Number of biodiversity-related citizen science projects has grown (gray area).

The Rise of 3rd Party Citizen Science Platforms

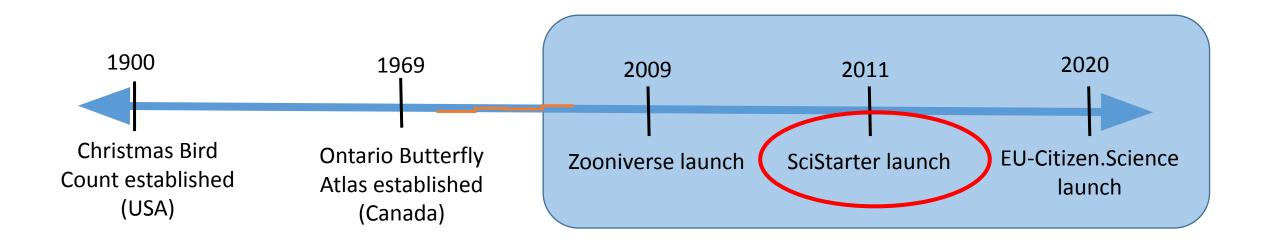


The Rise of 3rd Party Citizen Science Platforms



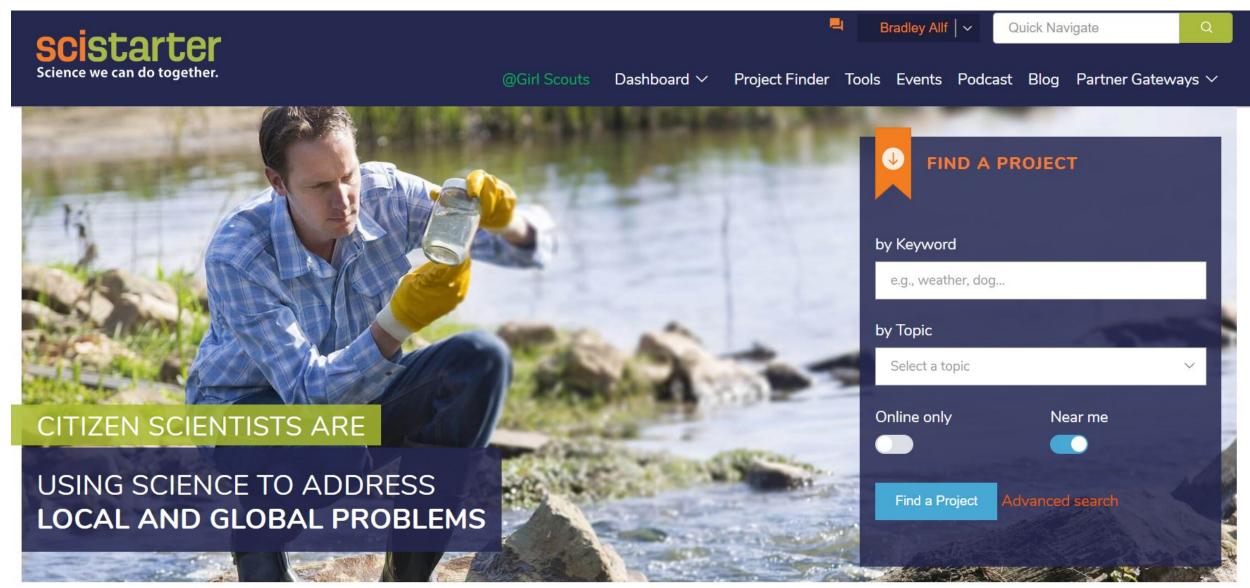
Guiding Question: What is the impact of 3rd party citizen science platforms on volunteer communities?

The Rise of 3rd Party Citizen Science Platforms

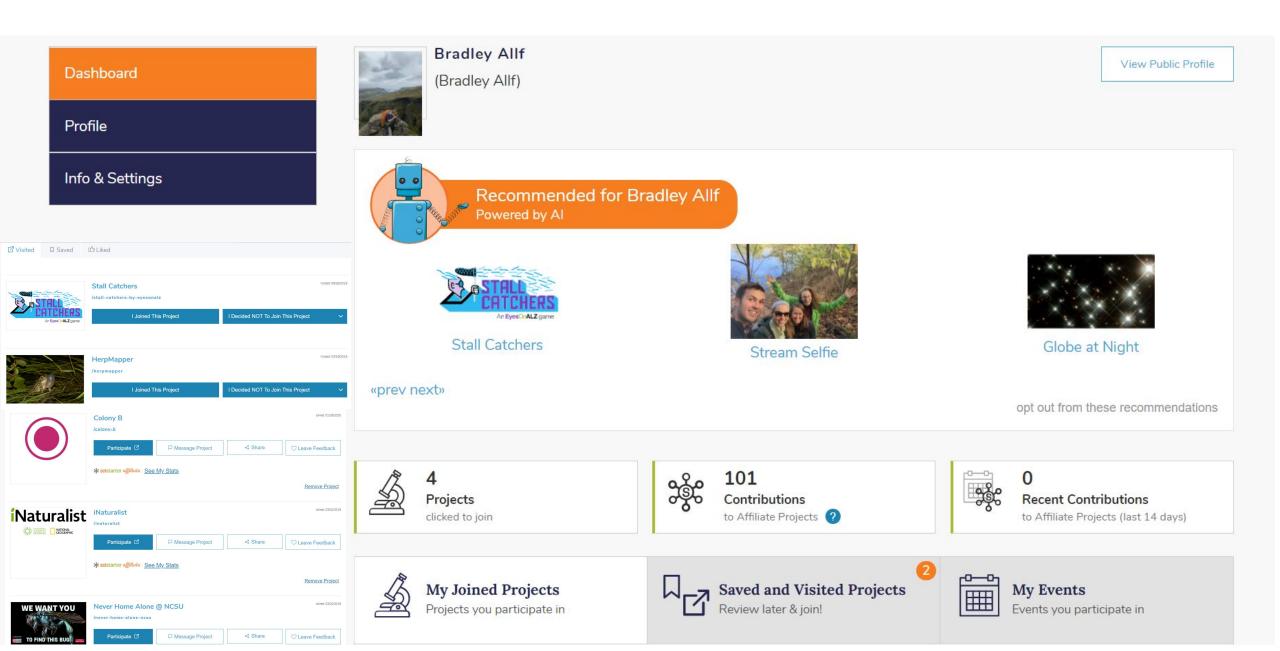


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Model: SciStarter



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SciStarter is working with National Geographic to enable you to partake in real research through these projects and others. Without the contributions of millions of citizen scientists, these research projects would not be possible.

The National Geographic Society is a global nonprofit organization that uses the power of science, exploration, education, and storytelling to illuminate and protect the wonder of our world. Since 1888. National Geographic has pushed the boundaries of exploration, investing in bold people and transformative ideas, providing more than 14,000 grants for work across all seven continents, reaching three million students each year through education offerings, and engaging audiences around the globe through signature experiences, stories, and content. To learn more, visit www.nationalgeographic.org.

Embark on your own National Geographic Society expedition.

Dashboard V

Embark on your own expedition by participating in some of the National Geographic Society-supported citizen science projects. By engaging in these, you will have the opportunity to be like a National Geographic Explorer and further advances in science by simply collecting or analyzing data around biodiversity and human pressures.

Visit the National Geographic Society's Citizen Explorer Lab website for more information about how citizen science opportunities empower millions of people to explore, observe, and analyze the world. Find resources for teaching and learning through the National Geographic Society's Education team's Citizen Science Collection.

National Geographic Society Grant Opportunities:

The National Geographic Society offers Explorers a variety of funding opportunities in the fields of conservation, education, research, storytelling, and technology. Find out more here.

Online, Livestreamed Event:

Watch a recording of an online event that features citizen science and related resources from National Geographic Education.



DEBRIS TRACKER



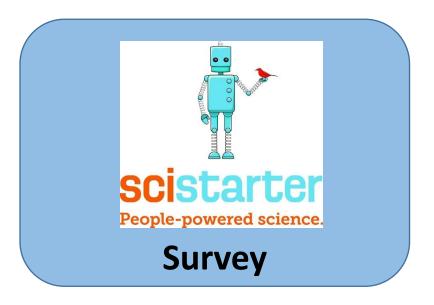


Volunteers Doing Standalone Projects

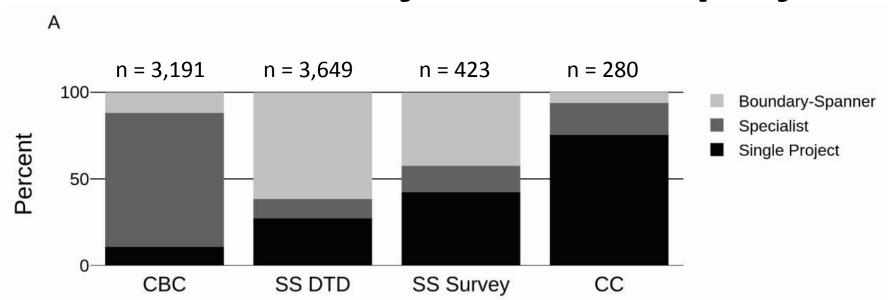


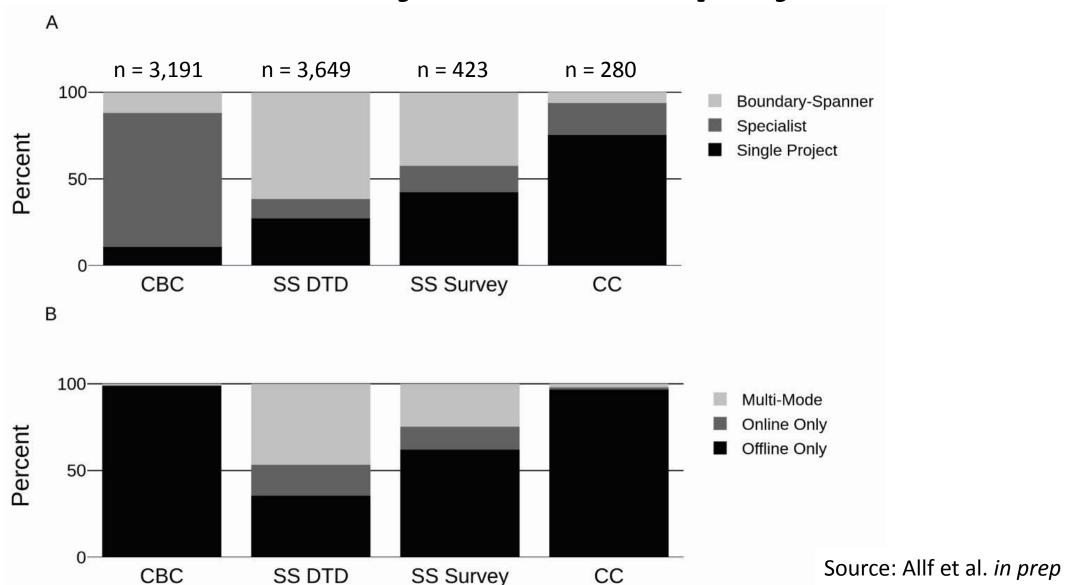


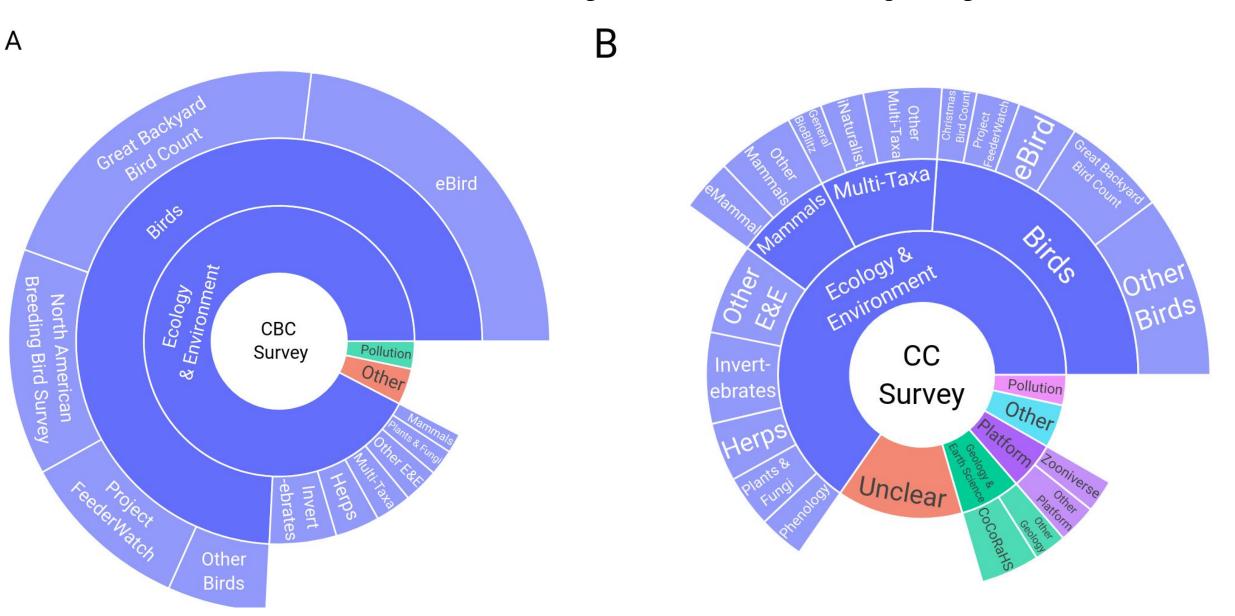
vs. Volunteers on Platforms

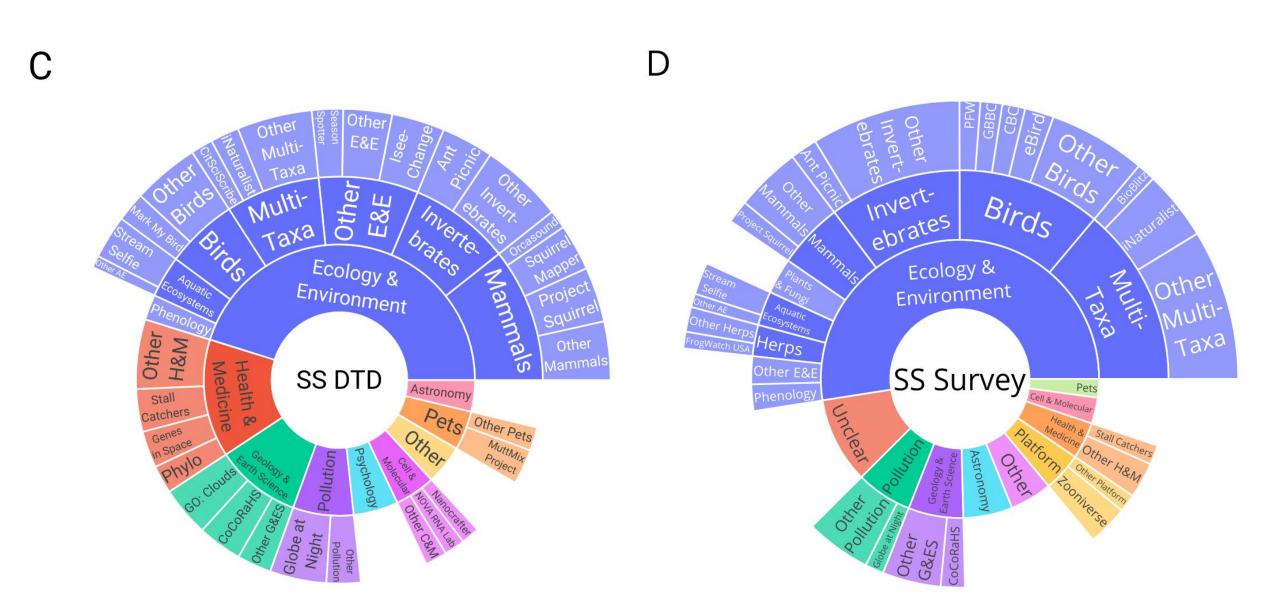




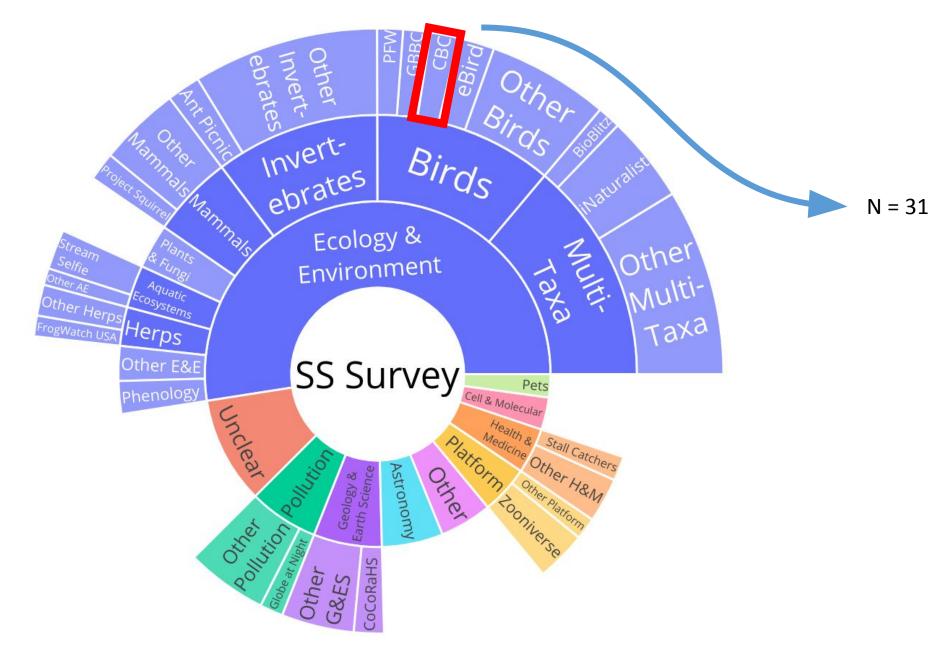




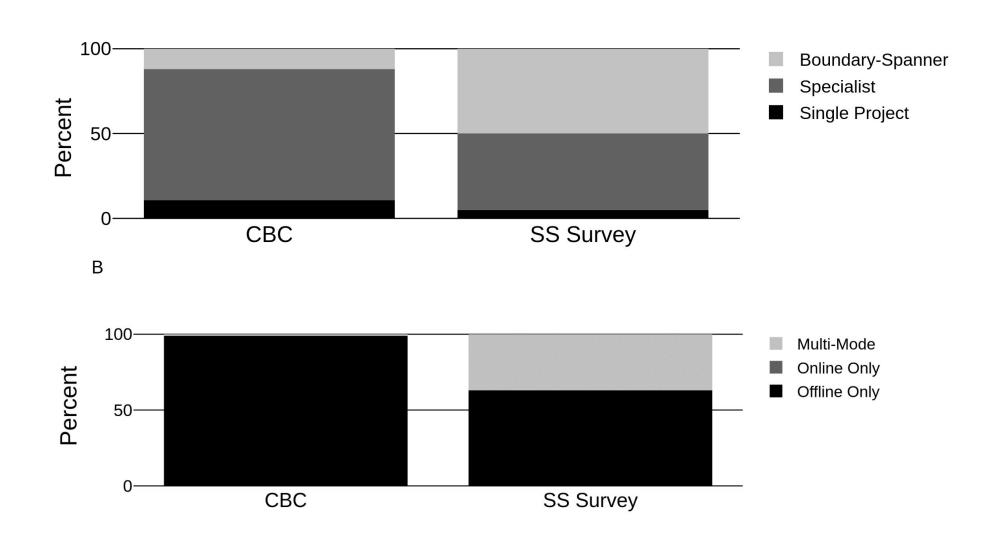




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SciStarter users that do CBC join more diverse projects than typical CBC volunteers



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• They may be driving volunteers to engage in more diverse citizen science experiences.

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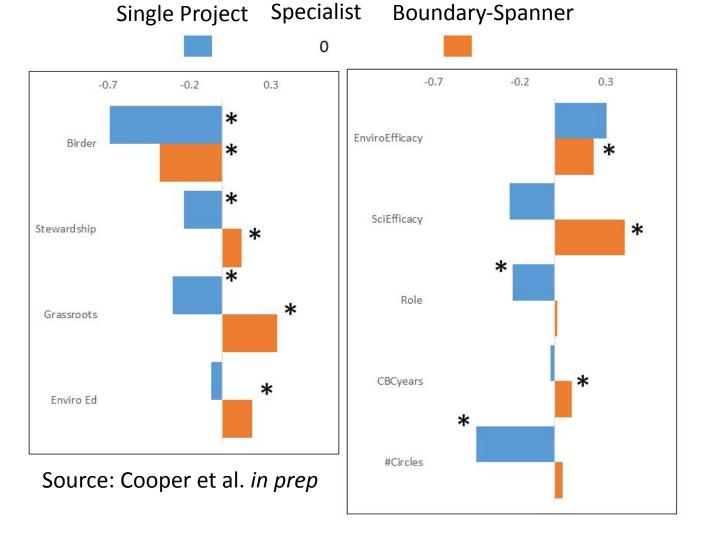
• They may be driving volunteers to engage in more diverse citizen science experiences.

Significance?

Diverse Engagement in Citizen Science Strongest Outcomes among CBC volunteers

Participants in one bird project vs. multiple bird projects vs. multiple projects across disciplinary topics.

* Depicts significant results (based on odds ratios) of multinomial logistic regression model comparing responses to different outcome variables across all three groups



Significance?

More diverse engagement in citizen science on platforms may facilitate deeper learning and/or engagement in science and conservation.

Next Steps

 Quasi-experimental studies to assess causality in non-traditional groups

Find a Project

Advanced search



SAS

Thank you for participating in the SAS Citizen Science Volunteer Program! SAS has partnered with SciStarter to host a special portal for employees to engage in authentic research that makes a difference for science, people and the planet. You can participate in any/all of the projects on this page! Click on a project to learn more about it.



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Conclusions

- 3rd parties are an emerging form of engagement with citizen science
- Volunteers using 3rd parties are engaging in more diverse types of citizen science than "traditional" volunteers from standalone citizen science projects
- 3rd parties are engaging new audiences with citizen science that may not have joined projects on their own
- By embracing shared management of volunteers via 3rd parties, managers and researchers may be better positioned to inspire stewardship, lifelong learning, and social change

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References

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