Citizen Science and Museums: Where do we start?

Resources

Websites:

Celebrate Urban Birds:
Founded in 2007, Celebrate Urban Birds is a year-round project developed and launched by The Cornell Lab of Ornithology. Its primary purpose is to reach diverse urban audiences who do not already participate in science or scientific investigation.
http://celebrateurbanbirds.org/

CitSci.org
This is a site for researchers. It supports research by providing tools and resources that allow scientists to customize their scientific procedure - all in one location on the internet. They provide tools for the entire research process including: creating new projects, managing project members, building custom data sheets, analyzing collected data, and gathering participant feedback.
http://citsci.org

Citizen Science Association:
The Citizen Science Association relies on collaborations and contributions from dozens of organizations and individuals. The Association has been years in the works and continues to rely on the community for its growth.
http://citizenscience.org/

CitizenScience.gov
An official government website designed to accelerate the use of crowdsourcing and citizen science across the U.S. government. The site provides a portal to three key assets for federal practitioners: a searchable catalog of federally supported citizen science projects, a toolkit to assist with designing and maintaining projects, and a gateway to a federal community of practice to share best practices.
https://www.citizenscience.gov/

eBird
A real-time, online checklist program, eBird has revolutionized the way that the birding community reports and accesses information about birds. Launched in 2002 by the Cornell Lab of Ornithology and National Audubon Society, eBird provides rich data sources for basic information on bird abundance and distribution at a variety of spatial and temporal scales.
http://ebird.org/content/ebird/
iNaturalist
This is a place where you can record what you see in nature, meet other nature lovers, and learn about the natural world. Information on this website include iNaturalist Teachers’ Guide, and an iNaturalist Bioblitz Guide.
http://www.inaturalist.org/

SciStarter
SciStarter is the place to find, join, and contribute to science through more than 1600 formal and informal research projects and events. Our database of citizen science projects enables discovery, organization, and greater participation in citizen science. Learn more about citizen science and check out these Ten Principles of Citizen Science.
https://scistarter.com/

Zooniverse
The Zooniverse is the world’s largest and most popular platform for people-powered research. This research is made possible by volunteers—hundreds of thousands of people around the world who come together to assist professional researchers. Our goal is to enable research that would not be possible, or practical, otherwise. Zooniverse research results in new discoveries, datasets useful to the wider research community, and many publications.
https://www.zooniverse.org/

Books and Articles:

Citizen Science: Public Participation in Environmental Research by Richard Louv (Foreword), John W. Fitzpatrick (Afterword), Janis L. Dickinson (Editor), Rick Bonney (Editor)
ISBN-10: 0801456746
https://www.amazon.ca/Citizen-Science-Participation-Environmental-Research/dp/0801456746/ref=sr_1_2?ie=UTF8&qid=1470344319&sr=8-2&keywords=citizen+science

The Rightful Place of Science: Citizen Science
by Darlene Cavalier (Author), Eric B. Kennedy (Author), Lily Bui (Author), David Coil (Author), Caren B. Cooper (Author), & 5 more
ISBN-10: 0692694838
https://www.amazon.ca/Rightful-Place-Science-Citizen/dp/0692694838
Key issues and new approaches for evaluating citizen-science learning outcomes
Jordan, R. C., Ballard, H. L. and Phillips, T. B. (2012),

Ecologically oriented citizen-science experiences engage the public in learning while facilitating the achievement of robust scientific program goals. Evaluation of learning outcomes has become increasingly prioritized, requiring citizen-science program managers to understand key issues in evaluation. We argue that citizen science can have other, more far-reaching community-level outcomes, which have received less attention but warrant consideration for continued programmatic improvement.

A framework for engaging diverse communities in citizen science in the US
Pandya, R. E. (2012)

Citizen science is a powerful tool for connecting people to science, but in the US, such initiatives have not connected as well to groups that have been historically underrepresented in science. Research suggests that while several factors contribute to this lack of diverse participation in citizen science, the critical hurdle may be an absence of alignment between community priorities and research objectives. Here, I discuss a participatory framework for designing citizen-science programs that align with community priorities.

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