Practical Applications of a Participatory Science Project Evaluation Tool:

Perspectives from Across Earth and Space Science

Supplemental File 6: SERC SPI Utilization

Table 1: Categories added by SERC to the Science Products Inventory.

Category	Product	Definition	Typical Reporting Group
Project Structure	Staff Number (#)	Number of staff members who work directly with citizen scientists	Technicians
Project Structure	Staff Positions (checklist)	Positions (PI, Researcher, Fellow, Technician, Other) of staff who work with volunteers	Technicians
Project Structure	Staff Time (#)	Estimated number of hours staff spend on citizen science project activities	Technicians and PIs
Project Structure	Intern (#)	Number of interns who worked on citizen science projects	Technicians and PIs
Project Structure	Volunteer Roles (checklist)	List of roles (e.g. analyze data, collect data, develop methods) that volunteers participated in	Technicians

Project Structure	Volunteer Number (#)	Number of volunteers who participated in the project	Citizen Science Program Staff
Project Structure	Core Volunteers (#)	Number of volunteers who participate regularly in the project	Technicians and Citizen Science Program Staff
Project Structure	Organizational Partners (#)	Number of partner organizations involved in the project	PIs
Data	Data Sets (#)	Number of data sets that have been made publicly available (e.g. in data repository)	PIs
Communications	Blogs and Social Media (#)	Number of articles and posts related to the project in Smithsonian-produced outlets	PIs and Communication Staff
Communications	Academic Presentations (#)	Number of academic presentations given at conferences that report on the project or apply its data	PIs
Communications	Posters (#)	Number of posters presented at conferences that report on the project or apply its data	PIs

Communications	Public Presentations (#)	Number of presentations given to public audiences on the project or applications of project data	PIs
Communications	Popular Articles (#)	Number of articles appearing in non-Smithsonian produced outlets (e.g. newspaper article)	PIs and Communication Staff

Note: We observe that some of these categories overlap with suggested additions from the previous two Use Cases, thus increasing confidence in their usefulness.