

Citizen Science Judging Rubric

Rules and presentation:

- must be original work
- must include a journal
- must meet Animal Ethics requirements if animals were used during the project
- any assistance must be acknowledged.

Journal Rubric

Background and research question	<p>Clear and detailed description of the citizen science project including its project's nature and aims.</p> <p>Detailed explanation of the research questions being asked.</p> <p>Clear justification of the use of citizen science to answer the research question.</p>	<p>Description of the citizen science project given.</p> <p>Research questions are stated.</p> <p>Some justification of the use of citizen science to answer the research question.</p>	<p>Limited description of the citizen science project.</p> <p>Research questions not clearly stated.</p> <p>Limited justification of the use of citizen science to answer the research question.</p>	<p>Description of the citizen science project is unclear.</p> <p>No research questions stated.</p> <p>No justification of the use of citizen science to answer the research question</p>
Rationale	<p>Clear and detailed explanation for the selection of the specific project, with relation to its scientific merits, potential impact, and/or local relevance.</p>	<p>Brief explanation for the selection of the specific project, with relation to its scientific merits, potential impact, and/or local relevance.</p>	<p>Limited explanation for the selection of the specific project, with relation to its scientific merits, potential impact, and/or local relevance.</p>	<p>No explanation for the selection of the specific project, with relation to its scientific merits, potential impact, and/or local relevance.</p>
Process	<p>Comprehensive account of the steps taken to effectively participate in the project.</p> <p>Detailed description of the extent of any collaborations.</p>	<p>The steps taken to effectively participate in the project were stated.</p> <p>Some description of the extent of any collaborations.</p>	<p>Limited account of the steps taken to effectively participate in the project.</p> <p>No description of the extent of any collaborations.</p>	<p>The account of the steps taken to effectively participate in the project were unclear or not stated.</p> <p>No description of the extent of any collaborations.</p>

<p>Data Collection and Analysis</p>	<p>Detailed description of the type(s) of data collected, and the employed collection methods.</p> <p>Data accurately recorded.</p> <p>Presentation of data excellent and appropriate.</p> <p>Clear explanation of how the data will help answer the research questions.</p>	<p>The type(s) of data collected, and the collection methods are stated.</p> <p>Data accurately recorded.</p> <p>Presentation of data satisfactory.</p> <p>Some analysis of how the data will help answer the research questions.</p>	<p>Only some data accurately recorded.</p> <p>Presentation of results inaccurate or inappropriate.</p> <p>Little analysis of how the data will help answer the research questions.</p>	<p>Data obviously not recorded accurately.</p> <p>Presentation of results inaccurate or inappropriate.</p> <p>Poor analysis of how the data will help answer the research questions.</p>
<p>Data Summary</p>	<p>Accurate overview of the data collected, including any interesting findings</p>	<p>Overview of the data collected.</p>	<p>Limited overview of the data collected.</p>	<p>No overview of the data collected.</p>
<p>Findings and Conclusions</p>	<p>Conclusions and inferences drawn from the citizen science engagement clearly communicated.</p> <p>Scientific terms used extensively and correctly throughout the report.</p>	<p>Conclusions from investigation communicated.</p> <p>Most scientific terms were used correctly in the report.</p>	<p>Conclusions from investigation not clearly communicated.</p> <p>Few scientific terms used in the report or scientific terms used incorrectly.</p>	<p>No communication of conclusions from investigation.</p> <p>No scientific terms used.</p>
<p>Relevance and Impact of the Results</p>	<p>Clearly explains the relevance and impact of the results or project to science and society.</p> <p>Shows appropriate thinking for future investigations on the topic.</p>	<p>Gives some reasons why the results or project investigation results are useful to science and society.</p> <p>Shows some thinking for future investigations on the topic.</p>	<p>Gives few reasons why the results or project investigation results are useful to science and society.</p> <p>Shows little thinking for future investigations on the topic.</p>	<p>No reason given for the impact or usefulness of the results or project to science and society.</p> <p>No thought given to future investigation on the topic.</p>
<p>Future Directions</p>	<p>Shows appropriate thinking for future investigations and potential of this area of research.</p>	<p>Shows some thinking for future investigations and potential of this area of research.</p>	<p>Shows little thinking for future investigations on the topic.</p>	<p>No thought given to future investigation on the topic.</p>