

**Assessment of the Effect of Participation in the Moon Zoo Citizen Science Project on Content Knowledge**

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**Introduction:** The citizen science projects developed by Zooniverse afford volunteers the opportunity to contribute to scientific research in a meaningful way by interacting with actual scientific data. In the Moon Zoo citizen science project, volunteers tag and classify geomorphological features and spacecraft hardware on the surface of the Moon.

**Project Overview:** We created a survey to measure the impact that participation in Moon Zoo has on user conceptual knowledge. The Lunar Cratering Concept Inventory (LCCI) was designed to measure the impact of the Moon Zoo activities on user knowledge about lunar craters and cratering history. We describe how the survey was developed and validated in collaboration with education researchers and astronomers. The instrument was administered over time to measure changes to user conceptual knowledge as they gain experience with Moon Zoo. Data collection has already begun and we will compare survey answers from users who have tagged, for example, a thousand craters with users who have only tagged ten craters.

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