

**Application to Conduct Sample Preparation at the  
NSF/UVM Community Cosmogenic Facility**

*Please fill out this application and email it to both Paul Bierman (Facility Director) [Paul.Bierman@uvm.edu](mailto:Paul.Bierman@uvm.edu) AND Lee Corbett (Facility Manager) [Ashley.Corbett@uvm.edu](mailto:Ashley.Corbett@uvm.edu)*

1. What is the name and affiliation of the Primary Investigator?
  
2. What are the names and affiliations of other collaborators?
  
3. Who will be visiting the Community Cosmogenic Facility to prepare the samples? Please describe who this person is as well as their position and experience. We do not typically accept samples without a visitor as we are not a fee-for-service laboratory; however, if that is your goal, describe what extenuating circumstances make it necessary.
  
4. In one or two sentences, please describe the primary objective of your project. Specify whether you are trying to quantify exposure ages, burial ages, erosion rates, or otherwise.
  
5. In several sentences, describe the Intellectual Merit of this project. Why is it novel or innovative? What knowledge gaps is it addressing?
  
6. In several sentences, describe the Broader Impacts of this project. How will it affect society or our understanding of the Earth? If your project is serving an educational mission with student involvement, please describe that here.
  
7. How many samples do you wish to prepare? Note that our minimum project size is ten samples. We work in batches of ten samples for *in situ* cosmogenic nuclides and batches of 14 for meteoric  $^{10}\text{Be}$ . Having a full batch (or batches) will be significantly more time-efficient for the person who will be visiting to conduct the sample preparation.

8. What processes do you wish to perform at the Community Cosmogenic Facility? Will you need to conduct quartz preparation at the CCF, or just Be/Al extraction? We ask that you conduct the physical preparation steps (crushing/grinding/sieving) in your home institution's rock room or in a local rock room if at all possible.

9. If you plan to conduct quartz preparation with us, what is the lithology of your samples? Please estimate the quartz percentage of your rocks or sediment. This is critical for allowing us to budget and schedule your project accordingly.

10. What are your AMS plans? Do you plan to analyze  $^{10}\text{Be}$ ,  $^{26}\text{Al}$ , or both? Which AMS facility/facilities are you planning to send samples to?

11. What is your ideal timeline for this project? Note that we often schedule projects many months in advance.

12. How do you envision disseminating the data you generate? Please describe your plans for student theses, conference abstracts, manuscripts, and/or future grant proposals.

*Thank you for filling out this application. We will consider your project in terms of how it fits within the mission of the Community Cosmogenic Facility, as defined by our funding from NSF. We will notify you within one week of whether we can host you. If we are able to take on your project, we will propose a timeline and budget. At that point, please download and sign the Memorandum of Understanding and return it to us to confirm your visit.*