

# User Environments

1/27/2026

## User 1: Volcano Viewer

This user has climbed the mountain to view Volcan de Fuego. They are exposed to the elements and will be subject to a variety of weather conditions. The likely weather conditions are: sun, wind, rain, and rarely snow. Sunny conditions might impact the user's ability to view their phone screens due to glare. Wind will have little effect on the user unless there are extremely windy conditions. These conditions will likely just discourage the user from visiting this location and will have no effect on their interaction with the application. Rain is likely, and will discourage the user from using their phone. Snow is also rare, but might discourage the user from using their phone, as their hands may be cold. There are little to no design options for our application to accommodate rain or snow.

Notably, this user is in the near vicinity of an active volcano. If the volcano is actively erupting, a responsible guide will likely not take this user up the hill. This makes it unlikely that we will be able to acquire photos of the volcano erupting. The phone stand is likely far enough away from the volcano to be safe, but it is still a concern.

## User 2: Volcanologist

This user is studying Volcan de Fuego. They are in a remote location, likely on Michigan Technological University's campus. They have account access to the photo viewing admin page, and potentially have access to the server where the photos are stored. They use the stored photos in conjunction with third party software to study the change in morphology of the volcano.