Big Picture or Detail? How We Need Both in Environmental Science

Wednesday, January 13, 2021, 3:30-4:45 pm
Open to all youth entering grades 7-12 in VT and across the country!
Register@ www.uvm.edu/extension/youth/announcements
“Like” us @www.facebook.com/VTeen4HScienceCafe

The Earth’s surface consists of bedrock, soil, water, air, and living things that have been interacting for billions of years and are a vital for sustaining life. However, the age of humans or the “Anthropocene” is putting unprecedented pressure on our planet and disturbances such as extreme storms, flooding, droughts, and fires might not be absorbed without consequences anymore. Looking at both the Big Picture and the Details, scientists are trying to understand what Earth surface characteristics produce a resilient environment. Come to this café to learn about the Critical Zone and research underway at UVM to identify the ecosystem processes in the Critical Zone that will reveal which areas in the world need the most conservation.

ABOUT OUR SPEAKER
Julia Perdial is an environmental bio-geochemist and mineralogist and takes a strong interdisciplinary approach to study environmental terrestrial and aquatic processes. She combines experimental and field approaches and collaborates with data scientists regularly. Julia grew up in Germany where she got her MS in Geology, Mineralogy and Geochemistry. Julia then moved to France for her PhD and worked on Geomicrobiology, after which she moved to Tucson, AZ where she worked at one of the Critical Zone Observatories for her post-doctoral work. She is now an Associate Professor in the Geology Department at UVM.

What is a Virtual Teen Science Café? It is a free, fun way for teens to explore science, engineering and technology with local scientists, engineers and technology experts. Teens will “meet a scientist”, learn about their work, and be able to participate in informal discussions.

Questions? Contact lauren.traister@uvm.edu

To request a disability-related accommodation to participate in this program, please contact the 4-H Office at 802-888-4972 or lauren.traister@uvm.edu by January 4, 2021 so we may assist you.