

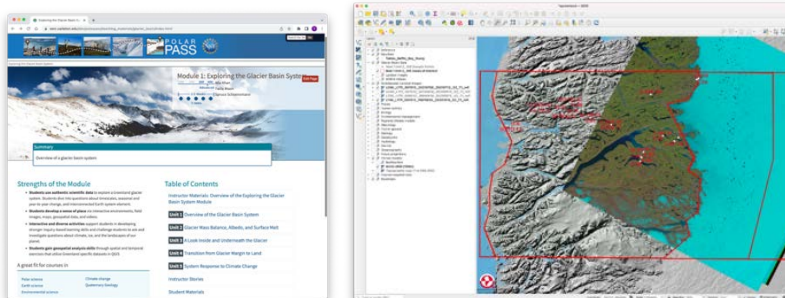


Greenland in your classroom

New curriculum using polar field data, 360-deg immersive field experiences, & geospatial technologies

Looking for Beta Testers

Curriculum Details: The Polar Space and Place (PolarPASS) curriculum is designed to bring the polar regions to life in the undergraduate classroom. The curriculum consists of two modules with 4-5 units each and combines **real polar field data from Greenland** with **innovative teaching methods** to strengthen students' knowledge of polar science and build student connections to polar places. **The units contain a series of 360-degree interactive environments, field images, maps, geospatial data, and videos to immerse students in the place and dive into questions about timescales, seasonal and year-to-year change, and interconnected Earth system elements.** Students gain geospatial analysis skills through inquiry-based spatial and temporal exercises, including Geographic Information Systems (GIS) that use Greenland-specific datasets and support learning about climate, ice, and the landscapes of our planet. The first module supports an exploration of the glacier basin system before diving into long-term spatial transformation of these systems within the second module.



What are we looking for?

- Undergraduate College Instructor or Community College Instructor willing to implement the curriculum in 2022/23 academic year
- Instructor interested in bringing virtual experience, GIS and real data in their classroom

What do we offer?

- Implementation stipend (\$500)
- Implementation Support

Contact us: PolarPass@Colorado. EDU

URL: <https://serc.carleton.edu/polarpass>

PolarPASS Team: Twila Moon, National Snow and Ice Data Center, Alia Khan, Western Washington University, Spruce Schoenemann, Univ. of Montana Western, Anne Gold & Emily Ward, CIRES Education & Outreach