

Sharing the Science! 2017-2018 Outreach Highlights



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Arctic

Eight educators had expeditions in the Arctic with six in Alaska and two in Greenland. Three of the expeditions were ship-based.

Experiences

Research experiences were very diverse and ranged from looking at Arctic ground squirrels to studying neutrinos from space in Antarctica.

Antarctica

Three educators worked with researchers in Antarctica at McMurdo and South Pole Stations.



Students and the public were reached by the 11 educators through journals, PolarConnect events, media events and lessons. Sharing the science is a central activity to PolarTREC.



Field Journals

Communicating science and making it accessible to "all" can be challenging in remote settings. These educators were up to the challenge and wrote over 300 journals and took over 2800 photos. Two of the educators also wrote journals in both English and Spanish. Over 800 of the photos are free to use for educational purposes and available on the Polar Media Archive.

IceCube and the Askaryan Radio Array Journals

Virtual Base Camp / IceCube and the

3 January 2018 Returning Home

On December 29th we boarded a LC-130 at the South Pole that would take us back to McMurdo Station. I didn't realize how much I had become attached to this place and the people there until I made the...

[Read Journal](#)

26 December 2017 Holidays

In one of the most remote places in the world, it can be hard to imagine spending the holidays without loved ones around. But when you're surrounded by some of the most hard working and giving people...

[Read Journal](#)

21 December 2017 Meteorologist for a Day

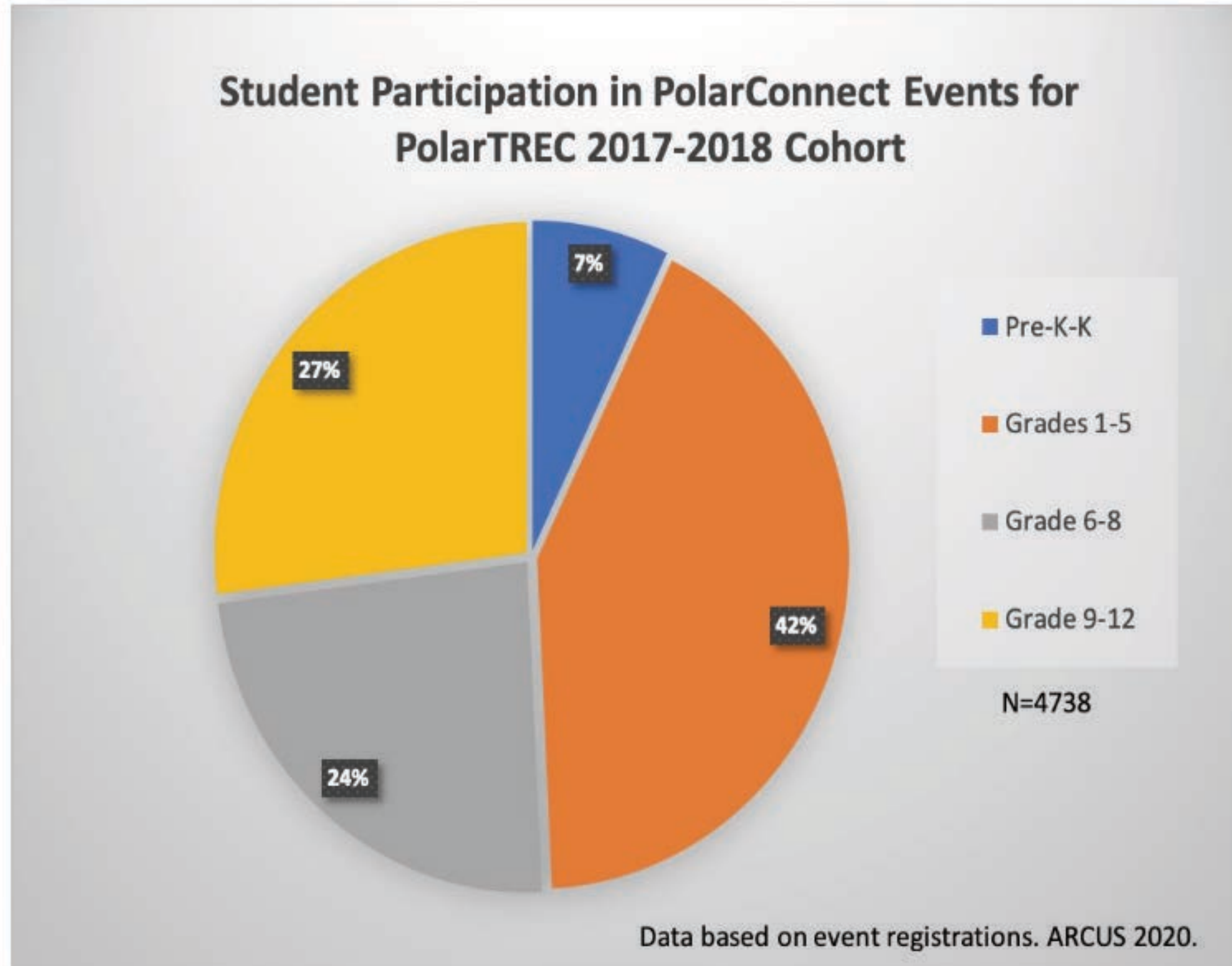
Today I helped meteorologist, Katie Koster, launch a weather balloon. Katie is a molecular biologist by training, but now finds herself staying for the winter to launch weather balloons from the...

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19 December 2017 Beneath

50 feet below the South Pole station begins a series of tunnels leading to Rod wells that house fresh drinking water. A "Rod well" is created by hot water drilling into the ice until water is reached...

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Real-time Connections

Over 4,000 students connected with researchers in the Arctic and Antarctica. PolarConnect events brought current science to classrooms across the United States and to 20 other countries in 2017.

Media Coverage

18 news stories covered the 11 educators in 2017. The media coverage included online news stories, magazine articles, TV and radio interviews. One peer-reviewed journal article was also published in a special addition of the Polar Record.

SHARE JUNE 2, 2017

Parkland teacher honored for dedication to science, students

7 News WSVN

PARKLAND, FLA. (WWSV) - A South Florida teacher was honored after returning from a trip associated with NASA's Operation Ice Bridge project. Adrena Teres teaches biology at Marjory Stoneman Douglas High and was honored after taking the trip of a lifetime. She received a proclamation from Broward County Commissioner Michael Udine for her passion in science and dedication to education. Teres recently visited Greenland as part of NASA's Operation Ice Bridge, which is the largest ever airborne survey of the earth's polar ice, where



Polar Region Lessons

18 lessons were created by the educators, focusing on research being conducted in the polar regions. Over 200 lessons are available and free to use through the online database. Lessons are vetted by the research teams for scientific accuracy and include NGSS and/or other standards.

Public Presentations

10 presentations, focusing on the polar field research experience, were presented by the 2017 educators. The presentations took place at the American Geophysical Union, Florida Association of Science Teachers, National Science Teachers Conference, Workshop on Antarctic Meteorology and Climate, and Polar2018.



For more information, contact info@polartrac.com

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