



National Aeronautics and  
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# SCIENCE MISSION DIRECTORATE

**Elena Sparrow and Katie Spellman**

Teachers learn about a warming  
climate at 40 below zero using  
GLOBE and NASA assets

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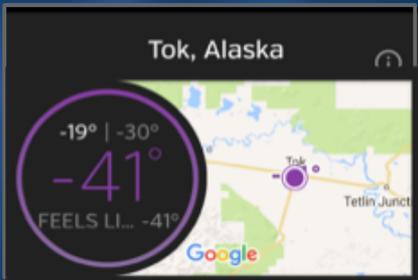
# Teachers learn about a warming climate at 40 below zero using GLOBE and NASA assets



On a chilly Friday in February, 28 teachers and two GLOBE researchers gathered in Tok, Alaska



Drs. Elena Sparrow and Katie Spellman (University of Alaska Fairbanks) ran a workshop for teachers of the Alaska Gateway School District to learn how to use GLOBE protocols and NASA resources to study climate change in their schools and Alaska Native communities



Did you know -40 degrees is the same in Celsius and Fahrenheit?

Workshop activities emphasized using models to understand the impacts and feedbacks of a warming Arctic. Teachers even braved the cold to use the GLOBE Observer Cloud App to help NASA improve models of the Earth's energy balance.

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