“Climate change ‘unequivocal’ and ‘unprecedented,’ says new U.N. report.” and “The report paints an alarming picture but emphasizes there is still time for swift action to mitigate the worst of the projected impacts of climate change. (AAAS, 2021) What is the evidence? Where did this evidence come from? This workshop will dig-deep into evidence from data collected using satellites that supports claims that our climate is changing. This workshop will focus on satellite data - how it is collected, and strategies and tools we use to analyze and interpret it to understand our changing climate.

Participants will gain experience accessing, analyzing, and interpreting satellite data in the context of phenomenon-driven, three-dimensional lessons. The workshop will target grade-appropriate knowledge and skills in the science and engineering practices of Analyzing and Interpreting Data, Using Mathematics and Computational Thinking and Engaging in Argument from Evidence to support students in building conceptual understanding of science ideas about Earth’s climate.

At the end of this four-day session, participants will have a tool-kit of accessible satellite data sources and digital tools to use to implement lessons using satellite data designed for the NGSS classroom.


For further information about this 2022 MPS Memorial Award Summer Institute, please contact Cheryl Zanone njstasimmons@gmail.com.