

## GLOBE Midwest Student Research Symposium

The University of Wisconsin-Madison hosted the GLOBE (Global Learning and Observations to Benefit the Environment) Midwest Student Research Symposium (SRS) from April 21-23, 2023 in Madison, WI. Forty-seven students from Grade 5-12 from Michigan, Ohio and Wisconsin presented their research projects to twelve judges. Students from the following schools participated: Airport School, Carleton, MI; Beloit Memorial High School, Beloit, WI; Clay High School, Oregon, OH; Clippert Multicultural Honors Academy, Detroit, MI; Crestwood High School, Dearborn Heights, MI; Detroit Public Schools, Detroit, MI; Hilltop Middle & High School, West Unity, OH; and Wooster Schools, Wooster, OH.



Students stayed at the Wisconsin Union Hotel and participated in a weekend filled with events. The events included poster presentations of students' GLOBE research with expert feedback, an opportunity to meet and talk with scientists and STEM professionals, professional development for educators, and networking and collaboration opportunities for all participants. Additional activities included a GLOBE Jeopardy Game on Friday; Department of Geoscience-guided tour including 3D globe movies and weather balloon launch and tour of the Cave of the Mounds on Saturday; and a Department of Limnology-guided boat tour of Lake Mendota and the limnology lab.

Here is the list of award winners with project names and photos:

**Peer Review Choice Award**

Stevie Frantz, Wooster City Schools: *Macroinvertebrates: A Leaf Pack Experiment*

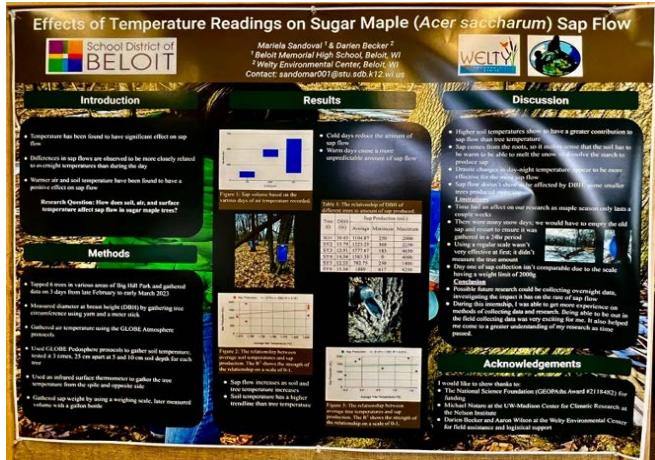


**Use of GLOBE Protocols/Data**

Zia'onna Currie, Detroit Public Schools: *Better Water = Better Crops: Truth or Fiction?* (middle school)

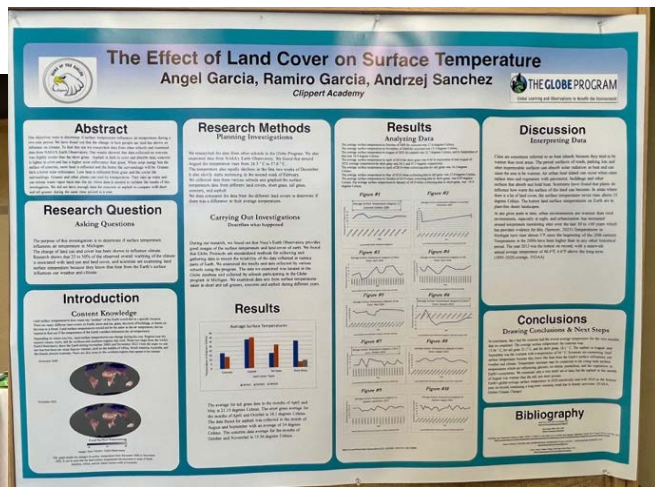


Mariela Sandoval, Beloit Memorial High School: *Effects of various temperature readings on sugar maple sap flow* (high school)



**Research Process**

Ramiro Garcia, Andrzej Sanchez, Angel Garcia; Clippert Multicultural Honors Academy: *The effect of land cover on surface temperature* (middle school)



Oliver Devlin, Beloit Memorial High School: *The unbeLEAFable effects of deciduous trees near streams in Southeast Wisconsin, USA* (high school)



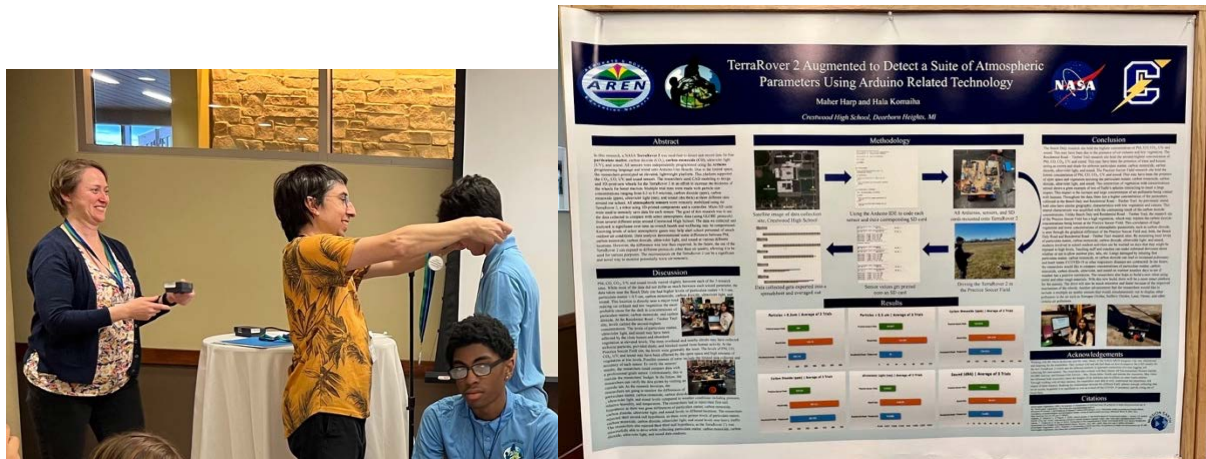


**21<sup>st</sup> Century Skills**

Stevie Frantz, Wooster City Schools: *Macroinvertebrates: A Leaf Pack Experiment* (middle school)



Maher Harp, Hala Komaiha (not present); Crestwood High School: *TerraRover2 augmented to detect a suite of atmospheric parameters using Arduino related technology* (high school)



THANK YOU to the teachers and chaperones for giving up your weekend so that your students could participate!

*Heidi Andre, Conner McClelland, Meridith Falkavage, Kelly Grorud*-Beloit Memorial High School/School District of Beloit

*Connie Atkisson*-Detroit Public Schools

*Joe Carstensen*-Clay High School

*Steven Frantz*-retired teacher

*Diana Johns*-Crestwood High School

*Tracy Ortiz*- Clippert Multicultural Honors Academy

*Abbie Smith*-Hilltop Middle and High School

THANK YOU to the chaperones!

*Aaron Atkisson*

*David Cordie*

*Michelle Harris*

*Darnise Woods*

*Yolanda Zayas*

Dr. Michael Notaro from University of Wisconsin-Madison led the effort and was supported by David Bydlowski (AREN Project), Dr. Kevin Czajkowski (University of Toledo) and GLOBE Mission Earth staff. The work is part of the [GLOBE Midwest Collaborative](#).

