



SPECIAL INTEREST GROUP FOR ENVIRONMENTAL MATHEMATICS



MISSION



ADVOCACY

Contribute to an awareness of our responsibility to address environmental issues and to utilize sound mathematical analysis to support such promotional activities.



EDUCATION

Foster the inherent environmental interests of young people and support efforts to bring sustainability and ethical reasoning into the mathematics curriculum at multiple levels.

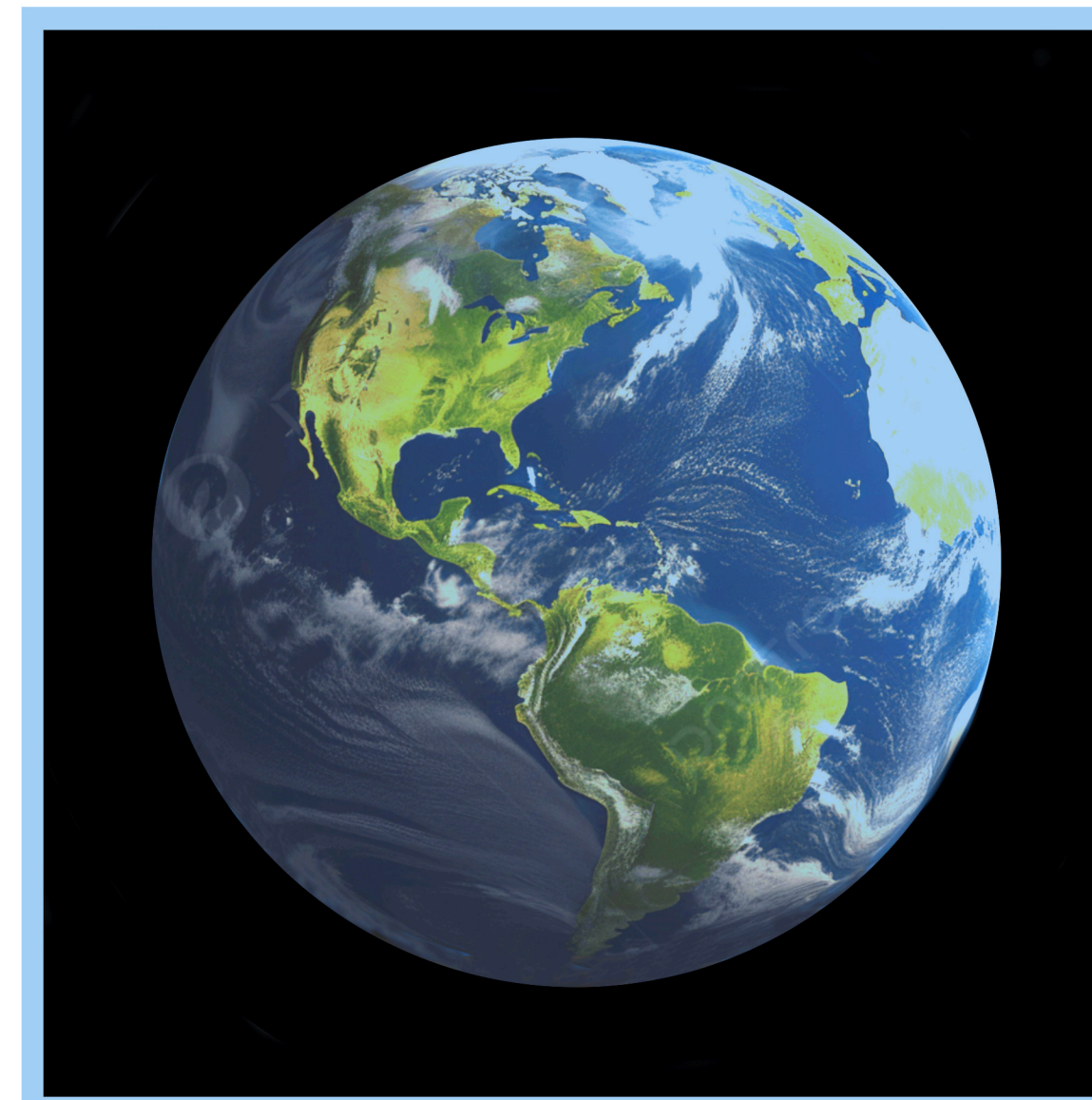
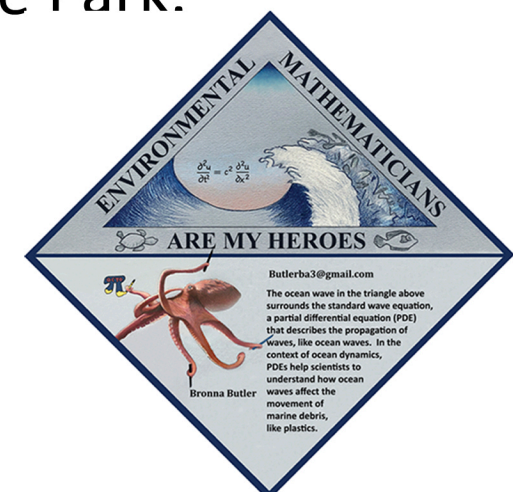


RESEARCH

Engage in and discuss the mathematics arising from environmental issues, supporting interdisciplinary collaboration with scientists, engineers, and other specialists.

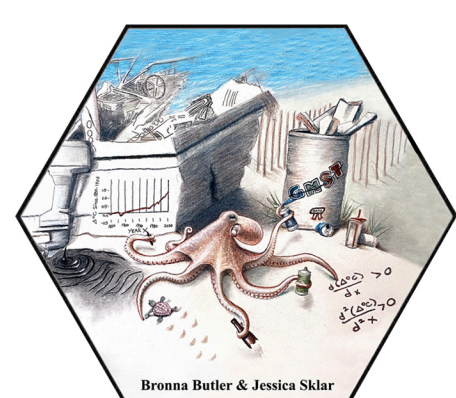
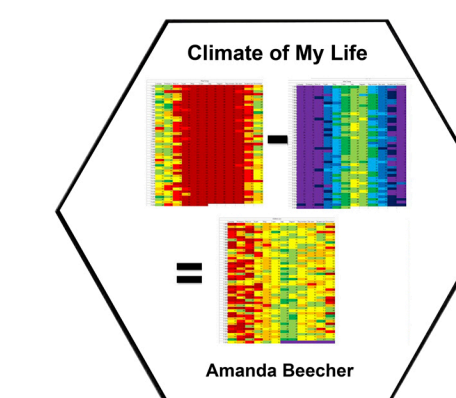
MathFest 2026 Activities:

- 1. Contributed Paper Session: Mathematical Sciences in Research on the Environment.** Environmental challenges continue to play a major role in our society, requiring innovative approaches to understanding and addressing these issues. Analyzing complex data and modeling environmental phenomena are essential to meeting those challenges.
- 2. Keynote Address by Dr. Molly E. Brown, Research Professor, University of Maryland College Park.**
- 3. SEVA Exhibition: Sustainability and Environmental Visual Arts - Triangle Tessellation** in the MathFest 2026 Art Display Area. Please participate, on-site in the MathFest Art Display Area, by creating a diamond/triangles submission.
- 4. Field Trip: Boston Museum of Science,** Museum Director of the Center for the Environment, David Sittenfeld.



MathFest 2025 Activities:

- 1. Workshop: "Communicating the Complex and the Conflicted" -- Eric Marland (Appalachian State) and Russ deForest (Penn State).** The workshop leveraged acting improvisation and conflict resolution theory to help participants develop communication skills around complicated or conflicted topics. It is increasingly important to communicate what we do as mathematicians to non-mathematician audiences.
- 2. Keynote Address by Dr. Alan Hastings, University of California at Davis.**
- 3. SEVA Exhibition: Sustainability and Environmental Visual Arts Hexagonal Tessellation:**



HOW TO JOIN?

Already an MAA member: Call MAA Membership Services Department at 1-800-331-1622 to join.

Not an MAA member: Become an MAA Member and click join SIGMAA EM on the application.

WHO SHOULD JOIN?

Any MAA member with an interest in:

- solving problems arising from environmental sources.
- promoting awareness of environmental issues.
- the role that mathematics plays in analyzing environmental issues.
- using environmental topics in mathematics education.
- learning how to speak about environmental issues to varied audiences.

WHY JOIN?

- Join a community of mathematicians interested in environmental challenges.
- Learn about exciting work at the interface of mathematics and the environment.
- Learn about current practices to bring environmental issues into the classroom.
- Share your own knowledge or ideas with a group of interested mathematicians.
- Tap into available resources including the SIGMAA EM MAA Connect community.
- Make connections, collaborations, and have fun with like-minded people.
- Help build and guide the SIGMAA toward addressing issues that concern you.



For more information, scan or visit the link <http://sigmaa.maa.org/em/>

