

DIMACS Special Program: Mathematics of Planet Earth (MPE)2013+



About Mathematics of Planet Earth

Mathematics of Planet Earth (MPE2013+) grew out of Mathematics of Planet Earth 2013, an initiative of mathematical sciences organizations around the world designed to showcase the ways in which the mathematical sciences can be useful in tackling our world's problems. For more about MPE 2013, see www.mpe2013.org.

As MPE developed, it became clear there was momentum to propel it beyond 2013. The problems facing our planet will persist, and so the Center for Discrete Mathematics and Theoretical Computer Science (DIMACS) initiated a new project, (MPE2013+, which aims to involve mathematical scientists in laying the groundwork for a long-term effort to surmount them and to sustain MPE activities beyond 2013.

MPE Follow-up Activities

Follow-up activities will be organized from the first round of six research and education workshops, held between 2013 - 2015. These follow-up activities include:

- **International Workshop on Citizen Science**
Organizer: Alexis Tsoukias Date: December 14-15, 2015, Paris
- **Connecting Community Colleges to MPE Sustainability Activities**
Organizers: Gene Fiorini, Katrina Palmer Date: May 19, 2016, Northampton, Catawba Valley CCs
- **PreK-12 Education for the Planet Earth of Tomorrow**
Organizer: Andrea Weinberg Date: June 22-24, 2016, Estes Park, CO
- **Workshop on Material Transport in Geophysical Flows**
Organizer: Eric Forgoston Date: July 27-28, 2016, Montclair State University
- **Workshop on Zika**
Organizer: Wayne Getz Date: December 5-6, 2016, U California Berkeley
- **Appropriate Complexity Modeling of the Impacts of Global Change on Ecosystems**
Organizer: Wayne Getz Date: March 27-29, 2017, U California Berkeley
- **PK-12 Education for the Planet Earth of Tomorrow: STEM Educator Symposium**
Organizer: Andrea Weinberg, Tracey Winey Date: June 14-16, 2017, Colorado State University
- **Workshop on Automated Biometric Identification of Individual Cheetahs, Leopards**
Organizer: TBA Date: July 2017, Duke University
- **Workshop on Modeling Food Systems**
Organizers: Hans Kaper, Mary Lou Zeeman Date: TBA (2018), Washington, DC
- **Innovations in Quantitative Fisheries: Modeling Impacts of Climate Change and Anthropogenic Stressors on Marine Habitats**
Organizer: TBA Date: TBA
- **IT'S NOT EASY BEING GREEN: Employing Citizen Science to Map Reptile and Amphibian Distributions**
Organizer: David Black Date: TBA

How to Participate

Information on these MPE 2013+ programs can be found at the program website:

http://dimacs.rutgers.edu/SpecialYears/2013_MPE/

For questions or more information, see the website or contact Margaret Cozzens (midgec@dimacs.rutgers.edu).

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DIMACS

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