

Workshop: Writers and Testers of Mathematics of Planet Earth Sustainability Modules for Undergraduate Math Classes



**La Costa Room
San Diego Marriott Marquis and Marina**

**Thursday January 10, 2013 4:00 – 9:00
Joint Mathematics Meeting 2013**

MPE 2013 Sustainability Modules



Mathematics of Planet Earth 2013 (MPE 2013) is a project sponsored by 14 North American Mathematical Sciences Institutes in conjunction with many international organizations and professional societies. A key mission of MPE 2013 is to increase the engagement of mathematics and mathematicians (researchers, teachers, students, and the public) with issues of planet Earth; in particular creating a sustainable society and economic system. A key curriculum-related activity identified by MPE 2013 was the development of MPE-related modules at the undergraduate level, which highlighted mathematics topics associated with sustainability issues. The Center for Discrete

Mathematics and Theoretical Computer Science (DIMACS) and Bowdoin College co-sponsored a writing workshop in October 2011 to discuss developing and testing these modules. The goals of the one-day modules are to introduce a specific planet Earth topic, challenge students to engage in a discussion about the topic, and present a content-specific mathematical application with practice problems. The finalized modules will be presented Thursday, January 10, 2013 at the **Joint Mathematics Meeting** (JMM) in San Diego during the **Invited Paper Session on Energy, Population, and Sustainability**.

JMM Workshop for Writers and Testers



Writers and beta-testers of the MPE sustainability modules are invited to attend a workshop scheduled in the **La Costa Room**, San Diego Marriott Marquis and Marina, from **4:00pm to 9:00pm Thursday, January 10, 2013** at the JMM in San Diego. Attendees will participate in round table discussions focusing on such topics as issues arising from development and testing the modules, using the modules in mathematics classes, dissemination of curriculum materials, and future sustainability curriculum projects

associated with MPE 2013.

This workshop is **invitation-only**. A complete schedule for the workshop agenda and copies of the modules are located at the website. For questions or more information, see the website or contact Eugene Fiorini, Associate Director of DIMACS & Program Coordinator (gfiorini@dimacs.rutgers.edu).



The Workshop is organized by the Center for Discrete Mathematics and Theoretical Computer Science (DIMACS) and the Mathematical Biosciences Institute (MBI), with funding provided by the US National Science Foundation, the Society for Mathematical Biology and other sponsors.

<http://dimacs.rutgers.edu/MPE/>



DIMACS
Center for Discrete Mathematics & Theoretical Computer Science
Founded as a National Science Foundation Science and
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