A world-wide initiative to bring awareness to global issues and the role that mathematics can play in their solution.

Web Address: www.mpe2013.org

Initiator: Christiane Rousseau, University of Montreal

Goals:
• Highlight the contributions made by mathematics in tackling global problems
• Increase public engagement with mathematics
• Bring together world-class researchers in mathematics and other fields to solve some of the world's most challenging problems.

Endorsed by:
United Nations Scientific, Educational, and Cultural Organization (UNESCO)
International Mathematical Union (IMU)
International Council for Industrial and Applied Mathematics (ICIAM)

Recognized in the U.S. Congress:
Speech by Congressman Jerry McNerney on November 16, 2012  http://thomas.loc.gov/cgi-bin/query/z?r112:H16NO2-0011:

Partners: More than 100 organizations in more than 30 countries including:
42 Mathematics Institutes
30 Professional Societies
13 Research Centers
6 Teacher Associations
5 International Organizations

Activities:
Official launches in 4 continents
7 long-term (more than one month) programs at research institutes
10 keynote addresses
20 special sessions at Society meetings
50 week-long research workshops
5 summer schools
2 public lecture series and more public lectures
2 workshops for developing educational materials
An international museum module competition
Media:
- Research Articles
- Expository Articles
- Videos
- Books
- Classroom materials
- Mathematical magazines for the schools

Exhibits:
- Open Source Exhibition hosted at Oberwolfach through the Imaginary project to be launched at UNESCO on March 5-8, 2013
- Traveling exhibition produced in France

Themes for national outreach campaign:
- Math Awareness Month topic in the US in April 2013: "The mathematics of sustainability" [http://www.mathaware.org/]
- Week of mathematics on MPE organized by the French Ministry of Education

Blogs:
- Daily blog on the MPE2013 website
- Weekly blog in Australia
- Daily blog in France

Four themes:
- A planet to discover
  - (geophysics, oceans, meteorology and climate, planetary motions, etc.)
- A planet supporting life
  - (ecology, biodiversity, evolution, etc.)
- A planet organized by humans
  - (economic & financial systems, energy, health & social systems, resource management, etc.)
- A planet at risk
  - (climate change, sustainability, natural disasters, epidemics, etc.)