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**Hans G Kaper\*** ([kaper@mathclimate.org](mailto:kaper@mathclimate.org)), Department of Mathematics and Statistics, Georgetown University, St. Mary's Hall 338A, Washington, DC 20007, and **Christiane Rousseau** ([rousseac@dms.umontreal.ca](mailto:rousseac@dms.umontreal.ca)), Department of mathematics and statistics, University of Montreal, C.P. 6128, succ. Centre-ville, Montreal, Quebec H3C 3J7. *Mathematics of Planet Earth - What is it all about?*

"Mathematics of Planet Earth 2013" (MPE2013) and its successor "Mathematics of Planet Earth" (MPE) is a grass-roots organization of mathematical scientists from around the world. Its goal is to learn about the issues facing our planet, to highlight the role our discipline can play in addressing these issues, and to inform the public about the accomplishments to date. In the opening talk of this session, the speakers will give an overview of MPE activities and discuss recent developments and future plans. (Received September 16, 2014)