

1056-BC-1444 **Mary Lou Zeeman*** (mlzeeman@bowdoin.edu), Dept. of Mathematics, Bowdoin College, 8600 College Station, Brunswick, ME 04011. *Climate and Sustainability in the Mathematics Curriculum*. Preliminary report.

The goal of this session is to help empower us to infuse the mathematics curriculum with examples from climate change and sustainability. There are many good reasons for doing this. The motivational power of these subjects is enormous, and can inspire students in mathematics at all levels. Mathematics underlies many of the deep questions facing climate modeling and the development of a sustainable society, and we are in an excellent position to help prepare the next generation of leaders and researchers who will tackle these problems. Similarly, the mathematics classroom is a natural place to contribute to the general climate literacy of society. In this introductory talk I will describe some examples of how climate and sustainability questions are being used, and could be used, at various levels in the mathematics curriculum. (Received September 21, 2009)