

1056-BC-1753 **Deborah Hughes Hallett*** (dhh@math.arizona.edu), Department of Mathematics, University of Arizona, Tucson, AZ 85721. *Climate Change: Impact and Opportunities*.

The predictions of climate change are based on mathematics and statistics, yet their impact will be across continents, across societies, and studied by multiple disciplines. Our students will be the ones who must manage the effects of climate change. If effective, their responses will be interdisciplinary. The education they receive can set a powerful example. If it is interdisciplinary, if they see the faculty thinking across boundaries—intellectual, geographic, political—they will be quicker to adapt and to think outside the box themselves. In addition, the desire to understand the world they will live in motivates students to learn the mathematics underpinning climate change predictions. This talk will provide examples of curriculum and of the interdisciplinary windows they can open in the classroom. (Received September 22, 2009)