



EdGCM LIT Teacher Training Workshop

American Meteorological Society Summer Training in Green Bay, Wisconsin June 26 – June 29, 2011

Instructors:

Dr. Mark Chandler

Columbia University and NASA/Goddard Institute for Space Studies

Agenda

- 8:00 Introductions and statement of expected outcomes
- 8:15 Climate change research in the classroom
- Introduction to **Global Climate Models**
 - Introduction to **Educational Global Climate Modeling (EdGCM)**
- 9:45 Climate modeling concepts
(boundary conditions, control runs, forcings vs. feedbacks, output variables)
- 10:15 BREAK
- 10:30 - Running NASA's climate model simulations using EdGCM
- Post-processing GCM output with EdGCM
- Scientific Visualization using EVA (EdGCM Visualization Application)
- 12:00 LUNCH BREAK
- 1:00 EdGCM Exercise: Simulating Global Warming
- 3:00 Adjourn