



## *Understanding Global Climate Change: 2010* (a free downloadable instructional DVD)

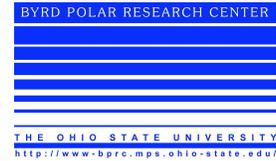


*Produced with support from the National Science Foundation's Science and Technology Center for Remote Sensing of Ice Sheets (CReSIS)*



### Minimum Computer System Requirements:

- MacOSX 1.2 G3 or Windows XP (or Windows 7 in XP compatibility mode)
- QuickTime Player
- DVD drive



Teachers\*\* created this DVD to help others enhance their personal understanding of the science of climate change and to make the information understandable and available to students, whether individually, in small groups, or in whole-class instruction.

### Information on this disc:

- supports science instruction in grades 7-12, including: systems science, biology, Earth science, physical science, and ecology; and has been used with adult learners, as well;
- is based on reliable information from the National Aeronautics and Space Administration (NASA) and the Jet Propulsion Lab (JPL), the Intergovernmental Panel on Climate Change (IPCC), the National Oceanic and Atmospheric Administration (NOAA), Center for Remote Sensing of Ice Sheets (CReSIS), Byrd Polar Research Center (BPRC), U.S. Environmental Protection Agency (US EPA), and the National Snow and Ice Data Center (NSIDC);
- is presented in a logical sequence in a highly interactive way, including simulations, manipulations, videos, and embedded assessments;
- offers opportunities for data analysis;
- includes videos of climate change researchers working in the field;
- provides links to resources used in its production; and
- includes printable .pdfs for note-taking.

### *Understanding Global Climate Change* chapters:

1. A Different Way of Understanding the Earth
2. Earth's Grand Cycles
3. Energy in the Global System
4. Historical Perspective
5. Remote Sensing
6. Glacial Evidence
7. Meteorological Evidence
8. Ice Core Evidence
9. Oceanographic Evidence
10. Biological Evidence

Online support and enhancements available at: <http://bprc.osu.edu/education/lessons>

Specific information about the Polar Regions: <http://www.cresis.ku.edu>

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