



*Understanding Global Climate Change: 2011*  
(an instructional DVD)

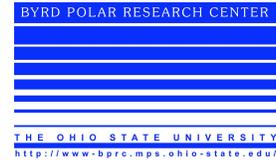


*Produced with support from the National Science Foundation's Science and Technology Center for Remote Sensing of Ice Sheets (CReSIS)*



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.
- 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.

*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>

*This material is based upon work supported by the National Science Foundation under Grant No. ANT-0424589. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.*

\*\*Special thanks go to Mark and Donna Maley and Ron Pilatowski, science teacher participants from the 2007 CReSIS climate change workshop held at The Ohio State University, for their hard work and dedication in creating, editing, field testing, and mastering this DVD. Thank you also to Mahadevi Pillai-Perumal and Majid Dadgar, Master's degree students at Ohio State for their help with updating the content and the graphics.