List of local climate projects

Alabama:
- Chris Rodgers, Bring Global Climate Change Education to Alabama High-school Classrooms, NASA http://ams.confex.com/ams/pdfpapers/167068.pdf

Alaska:
- Alaska State Climate Center http://climate.uaa.alaska.edu/
- Alaska Center for Climate Assessment and Policy http://ine.uaf.edu/accap/
- Alaska Sea Grant Marine Advisory Program - Adapting to Climate Change http://seagrant.uaf.edu/map/climate/index.php
- Cryospheric Connection to Understanding Climate Change http://cleanet.org/cln/ccep/cryo_connect.html
- Kathryn Berry Bertram, Cryospheric Connection to Understanding Climate Change, NOAA http://www.cryosphericconnection.org/

Arizona:
- Arizona State Climate Office http://azclimate.asu.edu/
- Arizona Association for Environmental Education http://www.arizonaee.org/
- Climate Change Boot Camps http://cleanet.org/cln/ccep/climate_change_.html
- http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=1043289

Arkansas:
- NOAA Southern Regional Climate Center http://www.stateclimate.org/regional.php?region=southern
- Arkansas State Climatologist http://www.climate.ar.gov/
- Arkansas Climate Awareness Project http://www.arclimate.org/

California:
- California State Climatologist http://www.water.ca.gov/floodmgmt/hafoo/csc/
- Western Regional Climate Center http://www.wrcc.dri.edu/
• Green Learning Adventure – Climate Change Education for Students in Grades 5-8 [http://www.project2061.org/events/meetings/climate2010/posters]
• 2010: Down to Earth Climate Science: Engaging Tomorrow’s Leaders Today [https://gcce.larc.nasa.gov/index.php?q=projects/268]
• University of California Berkeley 2009: Lifelines for High School Climate Change Education [https://gcce.larc.nasa.gov/index.php?q=projects/239]
• CCEP-I Climate Science Meet Social Psychology and Strategic Communications: Applying Proven Learning and Communication Strategies to Climate Literacy in the San Diego Region, NSF [https://gcce.larc.nasa.gov/index.php?q=node/486]
• Global Climate Change Education at the Aquarium of the Pacific, Long Beach, CA [http://www.project2061.org/events/meetings/climate2010/posters]

Colorado:
• Colorado Climate Center, Colorado State University [http://climate.colostate.edu/climateofcolorado.php] and [http://www.cocorahs.org/]
and [http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=1010888]
• Center for Multiscale Modeling of Atmospheric Processes [http://www.cmmap.org/index.html]
• Western Regional Climate Center [http://www.wrcc.dri.edu/]
• University Corporation for Atmospheric Research, 2008: Climate Change Educator Professional Development Network: [https://gcce.larc.nasa.gov/index.php?q=projects/220] or [http://www2.ucar.edu/education-professional-training] and similar project:
Inspiring Climate Education Excellence (ICEE): Teacher Professional Development for Effective Instruction in Climate Science Literacy
[https://gcce.larc.nasa.gov/index.php?q=projects/222] and
[http://cires.colorado.edu/education/outreach/ICEE/]
• University of Northern Colorado NCAR Global Climate Change Research Experiences for Teachers Institute [https://gcce.larc.nasa.gov/index.php?q=projects/242]
• Colorado State University John Moore: Scaling from local to global: Teacher professional development to provide a framework for classroom instruction on climate change and associated environmental consequences [https://gcce.larc.nasa.gov/index.php?q=projects/258]
• Steven Anderson, The NCAR Global Climate Change Research Experience for Teachers Institute: Year 1 Progress (from Poster list) [http://mast.unco.edu/programs/RETI/]
• Biological Sciences Curriculum Studies [http://www.bscs.org/](http://www.bscs.org/) Over all a good source for Professional Development.

Connecticut
• Anthony Leiserowitz, Knowledge of Climate Change Among Visitors to Science and Technology Museums (Actual Study):

Delaware:
• Delaware State Climatologist [http://www.udel.edu/leathers/stclim.html](http://www.udel.edu/leathers/stclim.html)
• Northeast Regional Climate Center [http://www.nrcc.cornell.edu/](http://www.nrcc.cornell.edu/)
• CCEP-I MADE-CLEAR: Maryland Delaware Climate Change Education, Assessment and Research

District of Columbia:
• Northeast Regional Climate Center [http://www.nrcc.cornell.edu/](http://www.nrcc.cornell.edu/)
• Walter Staveloz, Communicating Climate Change (C3)
• Rachelle Hollander, CCEP-I Partnership for Education on Climate Change, Engineered Systems, and Society NSF:
  [http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=1043289](http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=1043289) and 
• CCEP – I Urban Climate Education Partnership

Florida:
• Florida Climate Center [http://www.coaps.fsu.edu/climate_center/index.shtml](http://www.coaps.fsu.edu/climate_center/index.shtml)
• University of South Florida 2009: Global Climate Change Education: Advancing Student Knowledge Through Teacher Education:
• Debbi Stone, The Climate Change Communication Outreach Initiative, NOAA, abstract can be found here: [http://www.oesd.noaa.gov/elg/elg_projects.html#aw11](http://www.oesd.noaa.gov/elg/elg_projects.html#aw11)
• Julie Lambert, Using NASA Data to Improve Young Adults’ Climate and Science Literacy, [https://gcce.larc.nasa.gov/index.php?q=projects/262](https://gcce.larc.nasa.gov/index.php?q=projects/262)
• CCEP-I Coastal Areas Climate Change Education

Georgia:
• Promoting Climate Literacy in Atlanta: Using the Astronomical Perspective of Planet Earth [http://www.project2061.org/events/meetings/climate2010/posters](http://www.project2061.org/events/meetings/climate2010/posters)
Illinois:

- Midwest Regional Climate Center [http://mrcc.isws.illinois.edu/](http://mrcc.isws.illinois.edu/)
- Illinois State Climatologist Center [http://www.isws.illinois.edu/atmos/statecli/index.htm](http://www.isws.illinois.edu/atmos/statecli/index.htm)

Indiana:

- Learn Green to Live Green [http://www.project2061.org/events/meetings/climate2010/posters](http://www.project2061.org/events/meetings/climate2010/posters)

Iowa:

- Midwest Regional Climate Center [http://mrcc.isws.illinois.edu/](http://mrcc.isws.illinois.edu/)

Kansas:

- High Plains Regional Climate Center [http://www.hprcc.unl.edu/](http://www.hprcc.unl.edu/)

Maine:

- Maine Climate News [http://extension.umaine.edu/maineclimatenews/](http://extension.umaine.edu/maineclimatenews/)
- Northeast Regional Climate Center [http://www.nrcc.cornell.edu/](http://www.nrcc.cornell.edu/)

Maryland:

- Northeast Regional Climate Center [http://www.nrcc.cornell.edu/](http://www.nrcc.cornell.edu/)
- Maryland State Climatologist Office [http://www.atmos.umd.edu/~climate/](http://www.atmos.umd.edu/~climate/)
- Philip Arkin, University of Maryland, Interpretation of Real-Time and Climate Change Interpretation: Abstract included here: [http://www.oesd.noaa.gov/elg/elg_projects.html#UWise10](http://www.oesd.noaa.gov/elg/elg_projects.html#UWise10)
• CCEP-I MADE-CLEAR: Maryland Delaware Climate Change Education, Assessment and Research
  http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=1043262 and

Massachusetts:
• Northeast Regional Climate Center http://www.nrcc.cornell.edu/
• Department of Conservation and Recreation
  http://www.mass.gov/dcr/watersupply/rainfall/
• A National Coalition of Aquariums Education About Climate Change: New England Aquarium
  http://www.neaq.org/index.php or
  http://www.neaq.org/education_and_activities/teacher_resources/index.php or
  http://cleanet.org/cln/ccep/national_coalit.html
• University of Massachusetts – Lowell: 2010: Climate Change Education: Science, Solutions and Education in an age of Media
• Harvard University – 2010: Data-model fusion and forecasting 21st-Century environmental change in northeastern North America
  https://gcce.larc.nasa.gov/index.php?q=projects/256
• Rachelle Hollander, CCEP-I Partnership for Education on Climate Change, Engineered Systems, and Society NSF:
  http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=1043289
• Boston Energy in Science Teaching (BEST)
  http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=0928666
• Join in the Climate Conversation: Museum of Science brings voices together:
  www.mos.org and
  http://www.project2061.org/events/meetings/climate2010/posters “MOS is always looking for new opportunities for collaboration. Through partnerships with other institutions and groups in areas such as science, innovation, advocacy, and policy, we hope to bring ever more ambitious and spectacular programming to a global audience. Please contact us if you would like to collaborate!”

Michigan:
• Michigan State Climatologist’s Office http://climate.geo.msu.edu/index.html
• Midwest Regional Climate Center http://mrcc.isws.illinois.edu/
• Collaborative Research Developing the Next Generation of Middle School Science Materials – Investigating and Questioning our World through Science and Technology
  http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=0439352

Minnesota:
• Minnesota Climatology Working Group http://climate.umn.edu/
• Midwest Regional Climate Center http://mrcc.isws.illinois.edu/
• University of Minnesota CYCLES: Teachers Discovering Climate Change from a Native Perspective
- Will Steger Foundation: Educate, Inspire, Empower, Kristen Iverson Poppleton, K-12 Education Program Manager
  http://www.project2061.org/events/meetings/climate2010/posters
- A Voice for Their Communities: Engaging Underrepresented Youth on the Issue of Climate Change
  http://www.project2061.org/events/meetings/climate2010/posters

Missouri
- Missouri Climate Center http://climate.missouri.edu/
- Midwest Regional Climate Center http://mrcc.isws.illinois.edu/

Montana:
- Western Regional Climate Center http://www.wrcc.dri.edu/
- Montana Climate Office http://www.cfc.umt.edu/mco/

Nebraska:
- High Plains Regional Climate Center http://www.hprcc.unl.edu/

Nevada:
- Western Regional Climate Center http://www.wrcc.dri.edu/
- Nevada Climate Office http://www.climate.unr.edu/

New Hampshire:
- Northeast Regional Climate Center http://www.nrcc.cornell.edu/
- New Hampshire State Climate Office http://www.unh.edu/stateclimatologist/
- 2010: Engaging Students in the Science of Climate Change: Using Earth Observing Data in the Classroom
  https://gcce.larc.nasa.gov/index.php?q=projects/259

New Mexico
- New Mexico Climate Center http://weather.nmsu.edu/
- State and Local Climate and Energy Program
  http://www.epa.gov/statelocalclimate/local/index.html
- New Mexico Climate Masters
  http://www.nmenv.state.nm.us/aqb/NewMexicoClimateMasters/

New York
- New York State Climate Office http://nysc.eas.cornell.edu/
- Climate Start Communities Pledge http://www.dec.ny.gov/energy/53013.html
- Institute for Earth Science Research and Education 2010: Climate Science Research for Educators and Students (CSRES) Understanding Sun/Earth/Atmosphere Interactions https://gcce.larc.nasa.gov/index.php?q=projects/252
- Clarkson University: Project-Based Education Development Climate Change Literacy within New York State https://gcce.larc.nasa.gov/index.php?q=projects/240
- Walter Staveloz, Communicating Climate Change (C3) http://astc.org/iglo/c3/about/ and http://informalscience.org/project/show/1733 and another C3 project http://www.project2061.org/events/meetings/Climate2010/posters
- CCEP – I Urban Climate Education Partnership http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=1043371
- Fossil Finders: Using Fossils to Teach about Evolution, Inquiry and Nature of Science http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=0733223

North Carolina:
- The Southeast Regional Climate Center http://www.sercc.com/
- State Climate Office of North Carolina http://www.nc-climate.ncsu.edu/

North Dakota:
- High Plains Regional Climate Center http://www.hprcc.unl.edu/
- North Dakota State Climate Office http://www.ndsu.edu/ndscg/
  2009: Communicating Climate Change

Ohio:
- The GLOBE Teacher Training Workshops:
- Office of the State Climatologist for Ohio
  [http://www.geography.osu.edu/faculty/rogers/statclim.html](http://www.geography.osu.edu/faculty/rogers/statclim.html)
- University of Toledo: 2010 Climate Change Education: Engaging Teachers and Students and Correcting Misinterpretation using NASA data.
- COSI’s Energy and Environment Area of Focus: An Approach to Teaching about Global Climate Change
  [http://www.project2061.org/events/meetings/climate2010/posters](http://www.project2061.org/events/meetings/climate2010/posters) and
  [http://www.cosi.org/educators/professional-development/](http://www.cosi.org/educators/professional-development/)

Oklahoma:
- NOAA Southern Regional Climate Center
- Southern Regional Climate Center
  [http://www.srcc.lsu.edu/services/publicproducts/](http://www.srcc.lsu.edu/services/publicproducts/)

Oregon:
- Western Regional Climate Center [http://www.wrcc.dri.edu/](http://www.wrcc.dri.edu/)
- Oregon Climate Service [http://www.ocs.oregonstate.edu/index.html](http://www.ocs.oregonstate.edu/index.html)
- Western Oregon University 2008: Global Climate Change Institute for Teachers (GccIFT) Improving the Science Literacy of K-8 Teachers in the Pacific Northwest
- Oregon State University: Research-teacher partnerships: making global climate change relevant in the classroom

Pennsylvania:
- Northeast Regional Climate Center [http://www.nrcc.cornell.edu/](http://www.nrcc.cornell.edu/)
- Climate Change Education [http://www.dickinson.edu/academics/distinctive-opportunities/sustainability-education/content/climate-education/](http://www.dickinson.edu/academics/distinctive-opportunities/sustainability-education/content/climate-education/)
- CCEP – I Urban Climate Education Partnership

South Dakota:
- High Plains Regional Climate Center http://www.hprcc.unl.edu/
- South Dakota Climate and Weather http://climate.sdstate.edu/climate_site/climate.htm

Vermont:
- Northeast Regional Climate Center http://www.nrcc.cornell.edu/
- Vermont State Climate Office http://www.uvm.edu/~ldupigny/sc/

Virginia:
- The Southeast Regional Climate Center http://www.sercc.com/
- University of Virginia Climate Office http://climate.virginia.edu/
- Richard Conti, Science on a Sphere – Earth System Display at the Science Museum of Virginia, NOAA (abstract on this list) http://www.oesd.noaa.gov/elg/elg10/10_elg_INFawards.html#VASci10

Washington:
- Western Regional Climate Center http://www.wrcc.dri.edu/
- COSEE Ocean Learning Communities http://www.cosee.net/about/aboutcenters/coseeolc/

West Virginia:
- The Southeast Regional Climate Center http://www.sercc.com/

Wisconsin:
- Wisconsin State Climatology Office http://www.aos.wisc.edu/~sco/
- Western Regional Climate Center http://www.wrcc.dri.edu/
- Global and Regional Climate Change course http://cimss.ssec.wisc.edu/climatechange/
Steve Ackerman, Interpretation of Real-Time and Climate Change Interpretation:
Abstract included here: http://www.oesd.noaa.gov/elg/elg_projects.html#UWisc10

Wyoming:
- Western Regional Climate Center http://www.wrcc.dri.edu/
- Wyoming State Climate Office http://www.wrds.uwyo.edu/sco/climate_office.html

Relevant to teachers everywhere:


Beyond Penguins and Polar Bears http://beyondpenguins.nsdl.org/

Steve Ackerman, Climate Literacy Ambassadors – while through the University of Wisconsin, it is a virtual learning community so would be relevant to teachers nationwide, http://cimss.ssec.wisc.edu/climatechange/


Public Broadcasting Service: Teaching Climate Change (TCC) K-12 Online Professional Development from PBS and NASA (very similar to AMS courses)  

Frank Rack, Promoting Environmental Literacy through Teacher Professional Development Workshops and Climate Change Student Summits (C2S2)  
[http://cleanet.org/cln/ccep/promoting_envir.html](http://cleanet.org/cln/ccep/promoting_envir.html)

William Spitzer, National Network for Ocean and Climate Change Interpretation, NSF  
[http://cleanet.org/cln/ccep/national_coalit.html](http://cleanet.org/cln/ccep/national_coalit.html)

[http://www.earthtosky.org/home.html](http://www.earthtosky.org/home.html)

Walter Staveloz, Communicating Climate Change (C3)  

Highly Successful Schools or Programs for K-12 STEM Education: A Workshop:  

Leadership Initiatives for Cyberlearning in STEM Education: (not really geared towards Climate Science but helpful in educating how to use technological teaching tools)  

Collaborative Research: COSEE: Ocean Communities in Education and Social Networks:  

Robert Myers, Earth System Science Education Alliance (ESSEA), NOAA (abstract listed here)  

The STEM Research Academies for Young Scientists Global Climate Change Program  
[http://www.project2061.org/events/meetings/climate2010/posters](http://www.project2061.org/events/meetings/climate2010/posters)

AZA Climate Initiative – Reducing the Effects of Climate Change on Wildlife and Wild Habitats  
[http://www.project2061.org/events/meetings/climate2010/posters](http://www.project2061.org/events/meetings/climate2010/posters)

Roberta Johnson, Climate Change Educator Professional Development Network (CCEPDnet)  
[https://c3.ndc.nasa.gov/nex/projects/909/](https://c3.ndc.nasa.gov/nex/projects/909/)