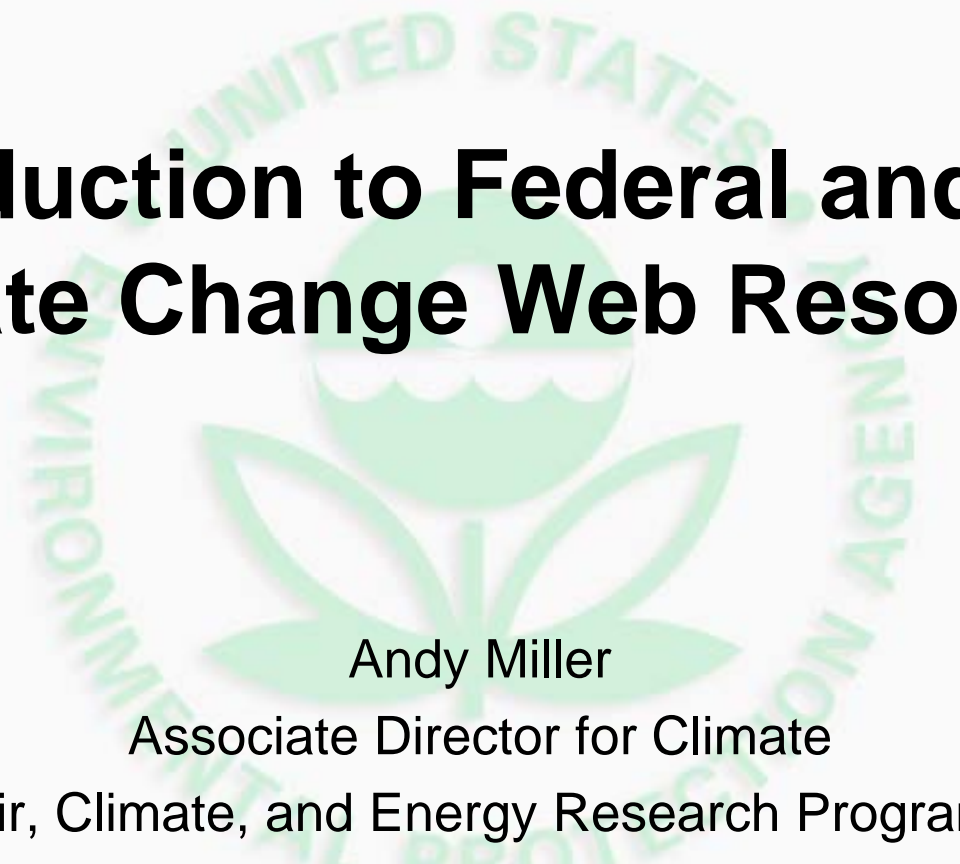




Introduction to Federal and EPA Climate Change Web Resources



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Major Federal and EPA sites



- Federal science and adaptation sites
 - USGCRP Website - <http://www.globalchange.gov/>
 - US Climate Resilience Toolkit - <http://toolkit.climate.gov/>
- EPA climate, adaptation, and science sites
 - EPA Climate Change website - <http://www.epa.gov/climatechange/>
 - EPA Climate Adaptation Resource Center (internal) - <http://intranet.epa.gov/arc/>

Major Federal and EPA sites



- By far, most of the available information addresses preparation for, and adaptation to, the expected impacts of climate change
 - Preparation and adaptation activities tend to be more immediate and amenable to action by individuals and communities
- Information on mitigation is more limited
 - Some good information on what individuals can do
 - Mitigation actions tend to be more focused on specific sectors (e.g., transportation, electricity generation, agriculture, infrastructure)

Caveats



- Most of the available information is historical
- Growing availability of projections of future conditions and impacts
- Be careful! Projections are most certain for global/continental scale, multi-decadal averages, and large-scale parameters (e.g. temperature)
- Certainty is considerably lower for local scales, short duration (less than a decade), or local events (e.g., precipitation) – *exactly the parameters needed to make decisions!*



globalchange.gov

US Global Change Research Program



- USGCRP established by Global Change Research Act of 1990
- Interagency research coordination and evaluation effort
- Under Office of Science and Technology Policy (OSTP) and Committee on Environment, Natural Resources, and Sustainability (CENRS)
- 13 member agencies, including EPA
- Required to develop a quadrennial national assessment of impacts of global change



- globalchange.gov is the USGCRP website
- High level overview of agency climate research activities
- National Climate Assessments (current and past)
- Our Changing Planet (annual USGCRP report to Congress)
- Good resource for climate science, national- and regional-scale impacts

<http://www.globalchange.gov>



Climate Resilience Toolkit

U.S. Climate Resilience Toolkit



- Interagency development team, led by OSTP
- Developed in response to the President's Climate Action Plan and Executive Order 13653 – Preparing the US for the Impacts of Climate Change
- Guidance for communities and others on adaptation actions
- Basic summaries and guidance, case studies, and data and tools from across federal agencies

<http://toolkit.climate.gov/>

A Personal Choice



- An additional resource (not on the Climate Resilience Website):

US Forest Service's "Climate Projection FAQ"

Provides an excellent overview of strengths, limitations, and other important background information regarding use of downscaled climate data:

www.fs.fed.us/rm/pubs/rmrs_gtr277.pdf



EPA's Climate Change Web Page(s)

EPA Climate Change Web Site



- EPA's information on climate change
 - Regulatory actions
 - EPA climate indicators
 - GHG emissions data
 - Benefits report
- Overview of climate change
 - Why is the climate changing
 - What can we do about it?
 - What are the impacts of climate change?

<http://www.epa.gov/climatechange/>

<http://www.epa.gov/espanol/cambioclimatico/index.html>



EPA Adaptation Resource Center

Adaptation Resource Center



- Developed by OP
- Intranet – internal EPA use only
- Good source for background materials
 - EPA Adaptation Plan, Office-specific Adaptation Implementation Plans
 - Links to President's Climate Action Plan, OW National Water Plan Climate progress highlights
- Training modules
- Communication materials

<http://intranet.epa.gov/arc/>

Wrap-up



- This has been a quick overview of a few key resources on climate change information
- There is a tremendous amount of information available
- Easy to become overwhelmed – don't hesitate to ask for help!
- Andy Miller, miller.andy@epa.gov, 213-244-1809

Additional internal EPA resources:

[ACE@Work](#)

[ACE Research News](#)



List of highlighted links

Links – globalchange.gov



globalchange.gov: <http://www.globalchange.gov/>

Understand Climate Change: <http://www.globalchange.gov/climate-change>

Explore Regions & Topics: <http://www.globalchange.gov/explore>

National Climate Assessment: <http://nca2014.globalchange.gov/>

Extreme Weather: <http://nca2014.globalchange.gov/report/our-changing-climate/extreme-weather>

Southwest: <http://nca2014.globalchange.gov/report/regions/southwest>

Resources, Data, & Multimedia: <http://www.globalchange.gov/browse>

Indicators: <http://www.globalchange.gov/browse/indicators>

Multimedia Gallery: <http://www.globalchange.gov/browse/multimedia>

Federal Resources – Regional Information and Modeling:
<http://www.globalchange.gov/browse/federal-adaptation-resources/regional-climate-information-modeling>

Links – Climate Resilience Toolkit



Climate Resilience Toolkit: <http://toolkit.climate.gov/>

Taking Action: <http://toolkit.climate.gov/taking-action>

Browse Tools: <http://toolkit.climate.gov/tools>

Assessing Health Vulnerability: <http://toolkit.climate.gov/tool/assessing-health-vulnerability-climate-change-guide-health-departments>

Climate Explorer: <http://toolkit.climate.gov/tool/climate-explorer>

Topics: <http://toolkit.climate.gov/topics>

Training Courses: <http://toolkit.climate.gov/training-courses>

Find Experts: <http://toolkit.climate.gov/help/partners>

Federal Agency Cooperation: <http://toolkit.climate.gov/content/federal-agency-coordination>

Not on the Resilience website, but a good resource – US Forest Service, Climate Projections FAQ at www.fs.fed.us/rm/pubs/rmrs_gtr277.pdf

Links – EPA Climate Change



EPA Climate Change: <http://www.epa.gov/climatechange/>

What EPA is Doing: <http://www.epa.gov/climatechange/EPAactivities.html>

GHG Emissions Data:

<http://www.epa.gov/ghgreporting/ghgdata/reportingdatasets.html>

GHG Inventory:

<http://www.epa.gov/climatechange/ghgemissions/usinventoryreport.html>

Regional Impacts: Southwest: <http://www.epa.gov/climatechange/impacts-adaptation/southwest.html>

Benefits of Global Actions Report: <http://www2.epa.gov/cira>

Climate Change Science: <http://www.epa.gov/climatechange/science/>

Climate Indicators Report:

<http://www.epa.gov/climatechange/science/indicators/index.html>

What You Can Do: <http://www.epa.gov/climatechange/wycd/>

Climate Change and Water: <http://water.epa.gov/scitech/climatechange/>

Resources and Tools: <http://water.epa.gov/scitech/climatechange/Resources-and-Tools.cfm>

Climate Change and Waste: <http://epa.gov/climatechange/climate-change-waste/>

Climate Change Research (EPA): <http://www2.epa.gov/climate-research>

Links – Adaptation Resource Center



Adaptation Resource Center: <http://intranet.epa.gov/arc/>

Impacts to EPA Programs: <http://intranet.epa.gov/arc/two.html>

EPA Toolkit: <http://intranet.epa.gov/arc/four.html>

Adaptation Tools: http://intranet.epa.gov/arc/four_1.html

Stormwater Calculator: <http://www2.epa.gov/water-research/national-stormwater-calculator>