

Climate Change Resources

This page contains links to just a few of the many great internet resources on Climate Change. Please send us additional resources. Note, NHMA climate change and climate adaptation webinars are available at the Publications -> Presentations link.

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General Knowledge

The Science

- [Fifth Assessment Report \(AR5\) | Intergovernmental Panel on Climate Change \(IPCC\)](#)
- [Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation | Intergovernmental Panel on Climate Change \(IPCC\)](#)
- [National Climate Assessment | US Global Change Research Program](#)
- [Reports on Special Issues | International Risk Governance Council \(IRGC\)](#)

Adaptation (aka Hazard Mitigation)

- [Adaptation | Resources for the Future \(RFF\)](#)
- [Adaptation | Center for Climate and Energy Solutions](#)
- [Adaptation Clearinghouse | Georgetown Climate Center](#)
- [Adaptation Programs | California Climate Change](#)
- [Adaptation | Center for Clean Air Policy \(CCAP\)](#)
- [Climate Adaptation Knowledge Exchange Network | Climate Adaptation Knowledge Exchange \(CAKE\)](#)
- [Climate Change Adaptation Tools for Public Officials | US EPA](#)
- [CLARA: Climate Adaptation Resource for Advisors | UKCIP](#)
- [Climate Adaptation | California Resources Agency](#)
- [Climate Change Adaptation | Department of Natural Resources](#)
- [Climate Adaptation Resource Library](#)
- [Climate Change Adaptation Task Force | The White House](#)
- [Coastal Climate Adaptation | NOAA](#)
- [Free Climate Adaptation Resources | ICLEI Local Governments for Sustainable USA](#)
- [Georgetown Climate Center Adaptation Clearinghouse | Georgetown Climate Center](#)
- [Impacts & Adaptation | Climate Change | US EPA](#)
- [National Adaptation Forum Conference 2013 | National Adaptation Forum](#)
- [Ontario Centre for Climate Impacts and Adaptation Resources](#)
- [Vulnerability and Adaptation | World Resources Institute](#)
- [Victorian Centre for Climate Change Adaptation Research](#)

Carbon Footprint

- [Carbon Emissions Calculator | Lehigh University](#)
- [Carbon Footprint and LCA | Empreinte Carbone Quebec](#)
- [Ecological Footprint Quiz | Center for Sustainable Economy](#)
- [Ecological Footprint Quiz | Earth Day Network](#)
- [How big is your Ecological Footprint? | Ecological Footprint](#)
- [Kids Carbon Footprint Calculator | Cool the World](#)
- [Quantifying the global and distributional aspects of American household carbon footprint | Weber & Matthews](#)

Life Cycle Assessment

- [The Benefits of Life Cycle Analysis | Elisabeth Comere](#)
- [How a toaster works | Youtube](#)
- [How a hair dryer is made | Youtube](#)
- [How a remote control is made | Youtube](#)
- [How a book is made | Youtube](#)
- [How a kindle is made | Youtube](#)
- [Life Cycle Analysis of Cotton | Cotton Natural](#)

- [Life Cycle Assessment | Quantis: Sustainability Counts](#)
- [Life Cycle Assessment \(LCA\) | US Environmental Protection Agency](#)
- [Life Cycle Assessment Harmonization | National Renewable Energy Laboratory](#)
- [The Life Cycle of a CD or DVD | US Environmental Protection Agency](#)
- [Life Cycle of a Jean | Levi Strauss](#)
- [MSU Life Cycle Analysis Powerpoint | Susan Selke](#)

Energy

- [About Solar Energy | Mass.Gov Energy and Environmental Affairs](#)
- [Ask An Engineer – How does a battery work? | Massachusetts Institute of Technology](#)
- [Base concepts of methane and other hydrocarbons | Youtube](#)
- [Batteries | Department of Energy \(DOE\)](#)
- [Batteries: Electricity through chemical reactions | UC Davis](#)
- [Confronting Climate Change | Union of Concerned Scientists](#)
- [Electric Power | Georgia State University](#)
- [Electrified Vehicles | Carnegie Mellon University](#)
- [Energy Kids | Energy Information Administration \(EIA\)](#)
- [Energy Storage – Batteries | National Renewable Energy Laboratory \(NREL\)](#)
- [Home Energy Audits: Making Homes More Energy Efficient and Comfortable | Department of Energy \(DOE\)](#)
- [How do batteries work? | Northwestern University](#)
- [How Do Wind Turbines Work? | Department of Energy: Energy Efficiency and Renewable Energy \(DOE EERE\)](#)
- [How Does Nuclear Energy Work? | Emirates Nuclear Energy Corporation \(ENEC\)](#)
- [How much electricity does an American home use? | U.S. Energy Information Administration](#)
- [How natural gas is extracted from shale | Youtube](#)
- [Hydroelectricity | US Environmental Protection Agency](#)
- [Learning - Biomass Energy | National Renewable Energy Laboratory \(NREL\)](#)
- [Learning – Geothermal Energy | National Renewable Energy Laboratory \(NREL\)](#)
- [Managing Variable Energy Resources to Increase | Carnegie Mellon University](#)
- [Marcellus Shale Gas Play, Appalachian Basin | US Energy Information Administration \(EIA\)](#)
- [Natural Gas | US Environmental Protection Agency \(EPA\)](#)
- [Ocean Wave Energy | Bureau of Ocean Energy Management](#)
- [Office of Nuclear Energy | Department of Energy \(DOE\)](#)
- [Physics 101 – what is the difference between power and energy? | Solar Choice](#)
- [Power Plants in the US | Energy Information Administration \(EIA\)](#)
- [Power Your City | CityVille](#)
- [Practitioner Resources | National Resources Defense Council \(NRDC\)](#)
- [Renewable Energy | Environmental Protection Agency](#)
- [Renewable Energy Activities - Choices for Tomorrow | National Renewable Energy Laboratory \(NREL\)](#)

- [Review of Emerging Resources: US Shale Gas and Shale Oil Plays | US Energy Information Administration \(EIA\)](#)
- [Study of Hydraulic Fracturing and Its Potential Impact on Drinking Water Resources | US Environmental Protection Agency](#)
- [Vehicle Technologies Office | Department of Energy](#)

Organizations

Academia

- Decision Making Under Uncertainty NSF Centers
 - [Climate and Energy Decision Making Center | Carnegie Mellon University](#)
 - [Center for Robust Decision Making on Climate and Energy Policy | University of Chicago](#)
 - [Center for Research on Environmental Decisions | Columbia University](#)
 - [Decision Center for a Desert City | Arizona State University](#)
- [Georgetown Law](#)
- [Regional Integrated Sciences & Assessments \(RISA\) | National Oceanic and Atmospheric Administration \(NOAA\)](#)
 - [Alaska Center for Climate Assessment and Policy \(ACCAP\)](#)
 - [California Nevada Applications Program \(CNAP\)](#)
 - [Carolinas Integrated Sciences and Assessments \(CISA\)](#)
 - [Climate Assessment for the Southwest \(CLIMAS\)](#)
 - [Climate Impacts Research Consortium \(CIRC\)](#)
 - [Consortium on Climate Risk in the Urban Northeast \(CCRUN\)](#)
 - [Great Lakes Integrated Sciences and Assessments Center \(GLISA\)](#)
 - [Pacific RISA](#)
 - [Southeastern Climate Consortium \(SECC\)](#)
 - [Southern Climate Impacts Planning Program \(SCIPP\)](#)
 - [Western Water Assessment \(WWA\)](#)
- [Urban Climate Change Research Network](#)

Government

- [Commonwealth Scientific and Industrial Research Organization \(CSIRO\)](#)
- [Department for Environment, Food, and Rural Affairs \(DEFRA\)](#)
- [Environmental Protection Agency \(EPA\)](#)
- [Federal Emergency Management Agency \(FEMA\)](#)
- [Florida Catastrophic Storm Risk Management Center](#)
- [National Aeronautics and Space Administration \(NASA\)](#)
- [National Climate Data Center \(NCDC\)](#)
- [National Oceanic and Atmospheric Administration \(NOAA\)](#)
- [Natural Resources Defense Council \(NRDC\)](#)

- [National Science Foundation \(NSF\)](#)
- [United Nations Framework Convention on Climate Change \(UNFCC\)](#)

Insurance and Reinsurance

- [Munich Re](#)
 - [NatCatService | Munich Reinsurance](#)
- [Reinsurance Association of America](#)
- [Renaissance Reinsurance](#)
- [Swiss Re](#)
- [Weather Predict](#)

Foundations

- [The Kresge Foundation](#)
- [The Rockefeller Foundation](#)
- [The New York Community Trust](#)

Non-Profits

- [Climate Change 101 | The Center for Climate and Energy Solutions \(C2ES\)](#)
- [Climate Access](#)
- [Climate Central](#)
- [Climate Decisions](#)
- [Climate Nexus](#)
- [EcoAdapt](#)
- [Federal Alliance for Safe Homes \(FLASH\)](#)
- [Global Adaptation Institute](#)
- [Insurance Institute for Business & Home Safety \(IIBHS\)](#)
- [NatCatUS.org](#)
- [SC Safe Homes](#)
- [Speedwell Weather](#)
- [The Resource Innovation Group](#)
- [UKCIP](#)
- [UN ISDR](#)
- [Union of Concerned Scientists](#)

Networks and Initiatives

- [Chicago Climate Action Plan](#)
- [Climate Access](#)
- [Climate Action Leadership Committee \(Boston\)](#)
- [Climate Change Adaptation Task Force, NYC](#)

- [The Climate Reality Project](#)
- [Climate Resilient Communities Program | International Council for Local Environmental Initiatives \(ICLEI\)](#)
- [Community and Regional Resilience Institute \(CRRI\)](#)
- [Community Resilience System \(CRS\)](#)
- [Consortium for Climate Risk in the Urban Northeast](#)
- [Green Ribbon Commission \(Boston\)](#)
- [King County-Cities Climate Collaboration](#)
- [London Climate Change Partnership](#)
- [The Mediterranean City Climate Change Consortium | Council for Watershed Health](#)
- [Munich Climate Insurance Initiative](#)
- [National Platform for Disaster Risk Reduction \(Canada\)](#)
- [New Jersey Climate Adaptation Alliance](#)
- [Oxfam PREP](#)
- [plaNYC](#)
- [Resilient Communities for America \(RC4A\)](#)
- [The Resilient Neighbors Network | Natural Hazard Mitigation Association \(NHMA\)](#)
- [Southeast Florida Regional Climate Change Compact](#)
- [Toronto WeatherWise](#)
- [Willamette Valley Resilience Compact](#)

Teacher Resources

- [Classroom Resources | National Science Foundation \(NSF\)](#)
- [Educational Activities Section Outreach Committee | Institute of Electrical and Electronics Engineers \(IEEE\)](#)
- [Education Resources | National Oceanic and Atmospheric Administration \(NOAA\)](#)
- [Educational Resources | Climate Literacy & Energy Awareness Network](#)
- [Energy Education & Workforce Development | Department of Energy: Energy Efficiency and Renewable Energy \(DOE EERE\)](#)
- [The WATT? An Energy 101 Primer | Focus the Nation](#)
- [Students for the Environment | EPA](#)
- [Open Educational Resources | Organisation for Economic Co-operation and Development \(OECD\)](#)
- [References for Kids | National Resources Defense Council \(NRDC\)](#)
- [Teachers' Lesson Plans | United States Nuclear Regulatory Commission \(NRC\)](#)
- [Teacher Resources | Commonwealth Scientific and Industrial Research Organization \(CSIRO\)](#)
- [Teacher Resources | National Aeronautics and Space Administration \(NASA\)](#)
- [The NEED \(National Energy Education Development\) Project | NEED](#)
- [Watt's Up? The Lowdown on Energy | American Geosciences Institute](#)
- [What is Climate? | The National Center for Atmospheric Research \(NCAR\)](#)

Blog Links

- [101 Top Web Resources on Climate Change | environmentalsciencedegree.com](#)

- [101 Terrific Sites on Renewable Energy | environmentalsciencedegree.com](https://environmentalsciencedegree.com)
- [News and Analysis on Energy Policy, Renewables, Innovation, and Climate Change | The Energy Collective](#)