

Metcalf Institute Climate Change Seminars for Journalists

Climate Change Impacts in the Pacific Northwest

September 6-7, 2013

The Bullitt Center, Seattle, WA
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Science Resources

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Relevant Organizations/Events

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Cascade Water Alliance - <http://www.cascadewater.org/index.php>

Center for Climate and Energy Solutions - <http://www.c2es.org/us-states-regions/regional-climate-initiatives/western-climate-initiative>

Climate Nexus - <http://climatenexus.org/>

Columbia River Inter-Tribal Fish Commission - <http://www.critfc.org/>

Georgetown Climate Center. <http://www.georgetownclimate.org>

Department of Energy – Expert List 2012.
<http://energy.gov/sites/prod/files/2012ExpertListingMASTERCOPY.pdf>

Intergovernmental Panel on Climate Change. Activities: Fifth Assessment Report.
<http://www.ipcc.ch/activities/activities.shtml>

NOAA Northwest Fisheries Science Center - <http://www.nwfsc.noaa.gov/index.cfm>

Native Communities and Climate Change - <http://www.tribesandclimatechange.org/index.php>

North Cascadia Adaptation Partnership (NCAP) - <http://northcascadia.org/>

Northwest Power and Conservation Council - <http://www.nwcouncil.org/>

Office of Washington State Climatologist - <http://www.climate.washington.edu/about.html>

Oregon Climate Change Research Institute. The Climate of the Pacific Northwest. <http://occri.net/climate-science/the-climate-of-the-pacific-northwest>

Oregon Climate Service - <http://www.ocs.orst.edu/>

Oregon Coastal Management Program. http://www.oregon.gov/LCD/OCMP/Pages/CstZone_Intro.aspx

Oregon Sea Grant. <http://seagrant.oregonstate.edu/>

Oregon State University. <http://oregonstate.edu/>

- Jack Barth - <http://ceas.oregonstate.edu/profile/barth/>
- Susan Capalbo - <http://arec.oregonstate.edu/capalbos>
- Francis Chan
- Peter Clark - http://www.geo.oregonstate.edu/people/faculty/Peter_Clark
- Amy Grotta - <http://extension.oregonstate.edu/employee/amy-grotta>
- Beverly Law - <http://fes.forestry.oregonstate.edu/faculty/law-beverly>
- Heather Lintz - <http://ceas.oregonstate.edu/profile/lintz/>
- Philip Mote - <http://ceas.oregonstate.edu/profile/mote/>
- Andrew Plantinga - <http://arec.oregonstate.edu/plantinga>
- David Rupp - <http://people.oregonstate.edu/~ruppd/>
- George Waldbusser - <http://ceas.oregonstate.edu/profile/waldbusser/>

Pacific Shellfish Institute. <http://www.pacshell.org/about-us.asp>

PNW Climate Impacts Research Consortium. <http://pnwclimate.org/>

Rural Voices for Conservation Coalition - <http://www.sustainablenorthwest.org/what-we-do/programs/rural-voices-for-conservation-coalition>

Seattle 2030 District. <http://www.2030district.org/seattle/>

Skagit Climate Science Consortium - <http://www.skagitclimatescience.org/>

Sustainable Fisheries Partnership - <http://www.sustainablefish.org/>

Swinomish Climate Change Initiative. http://www.swinomishnsn.gov/climate_change/climate_main.html

Taskforce on Adapting Forests to Climate Change - <http://tafcc.forestry.oregonstate.edu/index.html>

U.S. Department of the Interior. Northwest Climate Science Center.
<http://www.doi.gov/csc/northwest/index.cfm>

U.S. EPA. Region 10: The Pacific Northwest - Tribal Contacts.
<http://yosemite.epa.gov/R10/tribal.NSF/webpage/tribal+contacts>

U.S. Forest Service

- Pacific Northwest Research Station - <http://www.fs.fed.us/pnw/>
- Western Wildland Environmental Threat Assessment Center - <http://www.fs.fed.us/wwetac/index.html>
- Paul Anderson - <http://www.fs.fed.us/research/people/profile.php?alias=pdanderson>
- Keith Aubry - <http://www.fs.fed.us/research/people/profile.php?alias=kaubry>
- Becky Kerns - <http://www.fs.fed.us/pnw/about/programs/tcm/edec/index.shtml>

U.S. Geological Survey Geosciences & Environmental Change Science Center - <http://gec.cr.usgs.gov/>

- Sarah Shafer - <http://gec.cr.usgs.gov/projects/effects/>

University of Idaho

- Regional Approaches to Climate Change (REACCH) - <https://www.reacchpna.org/>
- Sanford Eigenbrode - <http://www.uidaho.edu/cals/pses/faculty/entomology/sanfordeigenbrode>
- Jeffrey Hicke - <http://www.fs.fed.us/wwetac/index.html>

University of Oregon

- Institute for a Sustainable Environment - <http://sustainable.uoregon.edu/>
- PNW Tribal Climate Change Project - <http://tribalclimate.uoregon.edu/>
- Trudy Cameron - <http://pages.uoregon.edu/cameron/vita/>

University of Washington <http://www.washington.edu/>

- Center for Sustainable Forestry at Pack Forest - <http://www.packforest.org/>
- Climate Impacts Group - <http://cses.washington.edu/cig/pnwc/ci.shtml>
Sign up for the CIG's listserv to receive occasional announcements, newsletters, etc. regarding Northwest climate news:
<https://mailman2.u.washington.edu/mailman/listinfo/climateupdate?listserve=Join+the+CIG%27s+listserv>
- Fire and Mountain Ecology Lab (FAME) <http://www.cfr.washington.edu/research.FME/people/>
- Institute of Forest Resources - <http://depts.washington.edu/sefsifr/>

- Simone Alin - <http://www.ocean.washington.edu/home/Simone+Alin>
- Neil Banas - <http://www.ocean.washington.edu/home/Neil+Banas>
- Gregory Ettl - <http://faculty.washington.edu/ettl/>
- Jerry Franklin - <http://www.sefs.washington.edu/SFRPublic/People/FacultyProfile.aspx?PID=30>
- Lisa Graumlich - <http://www.coenv.washington.edu/about/graumlich.shtml>
- Barbara Hickey - <http://www.ocean.washington.edu/home/Barbara+Hickey>
- Lily Hsueh - <http://evans.uw.edu/profile/hsueh>
- Julie Keister - <http://www.ocean.washington.edu/home/Julie+Keister>
- Joshua Lawler - <http://faculty.washington.edu/jlawler/>
- Jan Newton - <http://www.apl.washington.edu/people/profile.php?last=Newton&first=Jan>
- Amy Snover - <http://jisao.washington.edu/researchers/bios/snover>
- Elli Theobald - <http://www.biology.washington.edu/users/elli-jenkins>
- Sandor Toth - <http://www.sefs.washington.edu/SFRPublic/People/FacultyProfile.aspx?PID=52>

Washington Coast Sustainable Salmon Partnership - <http://www.wcssp.org/salmon.html>

Washington Forest Protection Association. <http://www.wfpa.org/>

Washington Sea Grant. <http://wsg.washington.edu/>

Washington State Department of Natural Resources - <http://www.dnr.wa.gov/Pages/default.aspx>

- Aaron Everett, State Forester

Washington State University

- Climate Friendly Farming - http://csanr.wsu.edu/pages/Climate_Impacts
- Extension Forestry - <http://extension.wsu.edu/forestry/Pages/default.aspx>

Yale Project on Climate Change Communication. Great source for public opinion polling on how climate change is perceived and communicated. <http://environment.yale.edu/climate-communication/>

Data Sources

Carbon Dioxide information Analysis Center. <http://cdiac.ornl.gov>

Center for Climate and Energy Solutions. List of state-level climate change policy actions in U.S. provides links to climate change legislation, statewide climate change commissions, and climate action plans around the U.S. The list is not exhaustive, but provides a good starting point for additional information. http://www.c2es.org/what_s_being_done/in_the_states/state_legislation.cfm

National Drought Mitigation Center. Website portal that offers real-time ocean data for various coastal sections of the country. <http://drought.unl.edu/Planning/PlanningInfoByState/StatePlanning.aspx?st=ri>

National Ecology Observatory Network. <http://www.neoninc.org/>

National Ocean Economics Program. Established in 1999, the National Ocean Economics Program (NOEP) provides a full range of the most current policy-relevant economic and demographic information available on changes and trends along the U.S. coast, Great Lakes, and coastal waters. The NOEP delivers its information through searchable databases available on this site, as well as through published articles and reports. <http://www.oceaneconomics.org/default.aspx?AspxAutoDetectCookieSupport=1>

NOAA Annual Greenhouse Gas Index. The AGGI is a measure of the warming influence supplied by long-lived trace gases and how that influence is changing each year. The index was designed to enhance the connection between scientists and society by providing a normalized standard that can be easily understood and followed. The AGGI provides a way for this warming influence to be presented as a simple index. <http://www.esrl.noaa.gov/gmd/aggi/>

NOAA Climate Program Office. Regional Integrated Sciences and Assessments. http://www.climate.noaa.gov/index.jsp?pg=/cpo_pa/cpo_pa_index.jsp&pa=risa&sub=list_pi.jsp

NOAA. Digital Coast. NOAA Coastal Services Center. <http://www.csc.noaa.gov/digitalcoast/>

NOAA. State of the Coast. This site compiles data, maps, and other resources about a variety of coastal issues, including climate change, ecosystems, economy, and communities. <http://stateofthecoast.noaa.gov/>

NOAA. National Weather Service: Northwest River Forecast Center. <http://www.nwrfc.noaa.gov/rfc/>

Northwest Association of Networked Ocean Observin Systems (NANOOS). <http://www.nanoos.org/>

Ocean Observatories Initiative. <http://oceanobservatories.org/>

U.S. EPA. How's My Waterway? <http://watersgeo.epa.gov/mywaterway/>
“Learn the condition of local streams, lakes and other waters anywhere in the US... quickly and in plain language. See if your local waterway was checked for pollution, what was found, and what is being done. The source of this information is a US Environmental Protection Agency (EPA) database of State water quality monitoring reports provided under the Clean Water Act.”

U.S. Environmental Protection Agency Sea Level Rise Reports
<http://www.epa.gov/climatechange/impacts-adaptation/>

U.S. Geological Survey Center of Excellence for Geospatial Information Science
<http://cegis.usgs.gov/index.html>

U.S. Global Change Research Program. National Climate Assessment. (The next National Climate Assessment is scheduled to be completed in early 2014.) Information about the current assessment: <http://www.globalchange.gov/what-we-do/assessment/draft-report-information>

Scientific Method, Peer Review, Ethics

Directory of Open Access Journals (DOAJ) <http://www.doaj.org/>
Master list of “free, full text, quality controlled scientific and scholarly journals” (7000 entries as of September 2011).

Doubtful News. Media Guide to Skepticism. <http://doubtfulnews.com/media-guide-to-skepticism/>

Ethical Guidelines for Publishing. (2011, December 31) American Chemical Society. ACS Publications. <http://pubs.acs.org/page/policy/ethics/index.html>

Jennings, C. (2006) Quality and Value: The True Purpose of Peer Review. Nature. DOI: [10.1038/nature05032](https://doi.org/10.1038/nature05032)

National Academy of Sciences, National Academy of Engineering, Institute of Medicine. (1995) On Being a Scientist: Responsible Conduct in Research. Second Edition. Discusses of the social and historical context of science, the allocation of credit for discovery, the scientist's role in society, the issues revolving around publication, and more. Note section on conflicts of interest in science:

<http://books.nap.edu/openbook.php?isbn=0309051967&page=8#pagetop>

Nature. Special Issue on Peer Review. <http://www.nature.com/nature/peerreview/debate/>

Rabinowitz, G. and E.J. Dennis. (2013, April 12) 5 Steps to Separate Science from Hype, No PhD Required. *The Incubator*. The Rockefeller University. <http://incubator.rockefeller.edu/?p=1123>

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Sagan, C. (1997) Baloney Detection Kit (excerpted from *The Demon Haunted World: Science as a Candle in the Dark*). <http://www.carlsagan.com/>

Sense About Science. (2013). I Don't Know What to Believe: Making sense of science stories. <http://www.senseaboutscience.org/resources.php/116/i-dont-know-what-to-believe-us-version>

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