

COSEE-West and Santa Monica Pier Aquarium
Climate Change Workshop
November 2, 2009

RESOURCES: Websites and articles

OUR SPEAKER

Dr. Joshua Willis

<http://science.jpl.nasa.gov/people/Willis/>

“Willis honored for climate change publicity” (October 2008)

<http://sealevel.jpl.nasa.gov/newsroom/features/200810-2.html>

BY/WITH DR. JOSHUA WILLIS

Jet Propulsion Laboratory podcasts (June 2008)

“Tall Oceans and Global Warming”

<http://www.jpl.nasa.gov/podcast/ostm20080617.cfm>

From National Public Radio (NPR)

“The Mystery of Global Warming’s Missing Heat”

<http://www.npr.org/templates/story/story.php?storyId=88520025>

ARTICLE

Dr. Joshua Willis explains Climate Change

“It’s a Sure Bet”

<http://blogs.jpl.nasa.gov/?p=8>

OTHER CLIMATE WORKSHOPS

Learn how our changing climate is impacting ocean chemistry, coasts, and wildlife in a free Web Seminar series focusing on:

Western Regional Climate Impacts; • Eastern Regional Climate Impacts; Monitoring the Impact of Climate Change on Corals; Monitoring Climate Change from Space; Impacts of Ocean Acidification; Impacts of Sea Level Rise; Impacts of Climate Change on Marine Mammals; Impacts of Climate Change on Marine Fisheries

This seminar, presented by NOAA climate experts, will highlight premier online resources to help educators understand and incorporate the latest information about climate change and the impacts our world is already facing. The seminar will explore videos, current Western regional impacts from the recently released Global Climate Change Impacts in the United States Report, and online educational resources to help you teach these concepts. We will also focus on current research in the climate change science and how you could bring this current climate research, science and its impacts into your classroom. Register today!

<http://learningcenter.nsta.org/products/SeminarRegistration.aspx>

[Registration](#) is FREE and open to everyone. (Thurs, Nov 5, Time: 8:00p.m.-9:30p.m. EST).

The Web Seminar series will start on November 5th and run into September of 2010. For more information, visit <http://learningcenter.nsta.org/products/webseminars.aspx>

CLIMATE CHANGE

Intergovernmental Panel on Climate Change

<http://www.ipcc.ch/>

NASA’s Global Climate Change website

<http://climate.jpl.nasa.gov>

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NASA/JPL Eyes on the Earth 3D

<http://climate.nasa.gov/Eyes/index.html>

The Keeling Curve, and lessons to be drawn from it

http://scrippsco2.ucsd.edu/program_history/keeling_curve_lessons.html

The National Academies: America's Climate Choices

<http://dels.nas.edu/basc/climate-change/>

Climate Choices: Analysis by the Union of Concerned Scientists of climate change consequences for California

<http://www.climatechoices.org/ca/index.html>

From BBC News - In pictures: How the world is changing

Part of their "Planet under pressure" series.

http://news.bbc.co.uk/2/shared/spl/hi/picture_gallery/05/sci_nat_how_the_world_is_changing/html/1.stm

"Planet under pressure" homepage:

http://news.bbc.co.uk/2/hi/in_depth/sci_tech/2004/planet/default.stm

Climate Change Education

A website with links to information on climate change at museums and universities (among other organizations).

<http://www.climatechangeeducation.org/>

ARTICLE

From *ScienceDaily*:

Climate Change Influences the Size of Marine Organisms: Big Advantage for the Small (September 2009)

<http://www.sciencedaily.com/releases/2009/07/090723081800.htm>

GLOBAL WARMING

Union of Concerned Scientists: Global Warming 101

http://www.ucsusa.org/global_warming/global_warming_101/

NOAA: Global Warming "Frequently Asked Questions"

<http://www.ncdc.noaa.gov/oa/climate/globalwarming.html>

Kids vs. Global Warming: Empowering youth to cool the Earth

<http://www.kids-vs-global-warming.com/Home.html>

ARTICLES

From *ScienceDaily*:

Sea Level Rise Due to Global Warming Poses Threat To New York City (March 2009)

<http://www.sciencedaily.com/releases/2009/03/090315155112.htm>

Wind Shifts May Stir Carbon Dioxide From Antarctic Depths, Amplifying Global Warming (March 2009)

<http://www.sciencedaily.com/releases/2009/03/090312140842.htm>

Global Warming From Carbon Dioxide Will Increase Five-fold Over The Next Millennium, Scientists Predict (January 2009)

<http://www.sciencedaily.com/releases/2009/01/090128104533.htm>

SEA LEVEL RISE

Climate change and sea level rise: Fact Sheet

<http://www.csiro.au/resources/SeaLevelRise.html>

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How much will sea level rise?

<http://www.realclimate.org/index.php/archives/2008/09/how-much-will-sea-level-rise/>

An interactive map showing inundation levels for different parts of the world depending on the height of sea level rise.

<http://flood.firetree.net/?ll=43.3251,-101.6015&z=13&m=7>

OCEAN ACIDIFICATION

NOAA's Ocean Acidification Homepage

<http://www.pmel.noaa.gov/co2/OA/>

NRDC's Ocean Acidification Homepage

<http://www.nrdc.org/oceans/acidification/>

Their new movie "Acid Test" (21:34 minutes)

<http://www.nrdc.org/oceans/acidification/aboutthefilm.asp>

Interacademy panel on international issues: Statement on ocean acidification

Click on "IAP statement" for the pdf

<http://www.interacademies.net/CMS/8900.aspx>

NOAA "State of the Science FACT SHEET" on ocean acidification

www.nrc.noaa.gov/plans_docs/.../Ocean_AcidificationFINAL.pdf

SCIENCE BLOGS: CLIMATE CHANGE & GLOBAL WARMING

RealClimate: Climate science from climate scientists

<http://www.realclimate.org/index.php/archives/2007/05/start-here/>

Their response to Michael Crichton's book "State of Fear" in which the author argues against global warming: <http://www.realclimate.org/index.php/archives/2004/12/michael-crichtons-state-of-confusion/>

A Few Things Ill Considered: How to talk to a climate skeptic

http://scienceblogs.com/illconsidered/2008/07/how_to_talk_to_a_sceptic.php

SOCIO-ECONOMIC

Shifting Baselines: Common sense for the oceans

<http://www.shiftingbaselines.org/index.php>

NOVA: World in the Balance

The threats facing human populations, national economies, and global climate

<http://www.pbs.org/wgbh/nova/worldbalance/>

ARTICLES

From The Pew Research Center for the People and the Press

Fewer Americans See Solid Evidence of Global Warming (October 2009)

<http://people-press.org/report/556/global-warming>

From The Washington Post Op-Ed

"Dark Green Doomsayers" (February 2009)

George Will (baseball columnist)

[http://www.washingtonpost.com/wp-](http://www.washingtonpost.com/wp-dyn/content/article/2009/02/13/AR2009021302514.html)

[dyn/content/article/2009/02/13/AR2009021302514.html](http://www.washingtonpost.com/wp-dyn/content/article/2009/02/13/AR2009021302514.html)

Responses to his article:

"Cherry-Picked Facts Heat Up Climate Debate" from the Albuquerque Journal

http://www.abqjournal.com/opinion/guest_columns/1897180018opinionguestcolumns02-18-09.htm

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“Checking George Will: The Perils of Time Travel” from Discover.com

<http://blogs.discovermagazine.com/loom/>

“The Heat From A Global Warming Column” from Ombudsman Andrew Alexander at the Washington Post

[http://www.washingtonpost.com/wp-](http://www.washingtonpost.com/wp-dyn/content/article/2009/02/27/AR2009022702334.html)

[dyn/content/article/2009/02/27/AR2009022702334.html](http://www.washingtonpost.com/wp-dyn/content/article/2009/02/27/AR2009022702334.html)

LA Times

Bringing science back into America’s sphere (August 2009)

<http://www.latimes.com/news/science/la-sci-mooneyqa22-2009aug22.0.3533284.story>

Scientific uncertainty and public policy: Moving on without all the answers

www.weatheroutreach.org/resources/uncertainty.pdf

MISCELLANEOUS

ARTICLE

From CNN

Glaciers a canary in the coal mine of global warming (August 2009)

<http://www.cnn.com/2009/TECH/science/08/07/global.warming/index.html>

The High Stakes of Melting Himalayan Glaciers (October 2009)

<http://www.cnn.com/2009/TECH/science/10/05/himalayas.glacier.conflict/index.html>

From PBS

Scientists: More Wildfires in West a Consequence of Climate Change (September 2009)

http://www.pbs.org/newshour/updates/environment/july-dec09/climatefire_09-02.html

From Time Magazine

Are the Governors Our Best Hope for the Climate? (October 2009)

<http://www.time.com/time/health/article/0,8599,1927621,00.html>