

DWR Climate News Digest

March 2015

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The information provided herein is a selected compilation of recent popular news articles, publications, and other information relevant to climate change and water management. The links provided herein are intended to provide educational and thought-provoking material for water managers and water users.

To subscribe to the DWR Climate News listserv and receive notifications when new editions are posted, send an email to: climatechange@water.ca.gov.

TOPICS [Find older items in the [Climate News Archive](#)]

DWR Staff Publications

[California's Most Significant Droughts: Comparing Historical and Recent Conditions](#)

[California Department of Water Resources – February 2015]

Published Literature

[Near term acceleration in the rate of temperature change](#)

[Nature Climate Change – March 2015]

Grants and Other Funding Opportunities

[\\$4.5 million program to explore agricultural and water management on tribal lands](#)

[University of Nevada, Reno – March 24, 2015]

Sea-level Rise and other Ocean Impacts

[Shell-shocked: Ocean acidification likely hampers tiny shell builders in Southern Ocean](#)

[Science Daily – March 25, 2015]

[Global warming is now slowing down the circulation of the oceans – with potentially dire consequences](#)

[Washington Post – March 23, 2015] *(see fascinating embedded NASA animation showing what happens globally to create the large, slow current called the thermohaline circulation)*

[Arctic sea ice extent hits record low for winter](#) [BBC News – March 19, 2015]

[East Antarctica melting could be explained by oceanic gateways](#)

[Science Daily – March 16, 2015]

[Rapid coastal population growth may leave many exposed to sea-level rise](#)

[Science Daily – March 11, 2015]

Agriculture/Food Production

[Cultivating climate-resilient crops](#) [Stock Journal – March 31, 2015] (*“The diversification of agricultural systems could well become an increasingly profitable strategy for enhancing agricultural productivity as the climate changes and extreme events become increasingly common”*)

[Meet the cool beans designed to beat climate change](#) [KQED – March 25, 2015]

[Warming climate could change how food tastes](#) [Popular Science – March 20, 2015]

Extreme Weather Events

[Megadrought risk growing for United States, climate models show](#)

[Weather.com – March 20, 2015]

[Global warming upped heat driving California’s drought](#) [Climate Central – March 2, 2015]

Human Health Impacts

[Pollutants created by climate change are making airborne allergens more potent](#)

[Time – March 23, 2015]

Tribal Impacts & Traditional Ecological Knowledge

[Fight climate change by preserving ‘our ancient knowledge’ tribe says with new exhibit](#)

[Indian Country Today – March 11, 2015]

Wildlife and Ecosystem Impacts

[Snakes and giant squid: Climate change drives exotic species north](#)

[Times Colonist – March 30, 2015]

[Hidden costs: The unseen way organisms cope with climate change](#)

[Phys Org – March 30, 2015]

[Drought damage from climate change leads to widespread forest death](#)

[Science World Report – March 30, 2015]

[Some Alaska animals may benefit from climate change while others suffer, studies say](#)

[Alaska Dispatch News – March 28, 2015]

[Amazon forest becoming less of a climate change safety net](#)

[New York Times – March 23, 2015]

[The fate of trees: How climate change may alter forests worldwide](#)

[Rolling Stone – March 12, 2015]

[Wild yaks – shaggy barometers of climate change](#) [Newswise – March 4, 2015]

[Wild hybrid animals courtesy of climate change](#) [Planet Aid – February 24, 2015]

Greenhouse Gas Mitigation

[Obama orders cuts in federal greenhouse gas emissions](#) [New York Times – March 19, 2015]

[Carbon emissions stop growing globally](#) [The Hill – March 13, 2015]

[Can climate action plans combat megadrought and save the Colorado River](#)

[EcoWatch – March 9, 2015]

Climate Adaptation

[Adapting to climate change could still mean environmental troubles](#)

[Nature World News - March 23, 2015] *(a recently published study in Nature Climate Change ‘paid special attention to the interaction between agricultural land use and river water quality’)*

International Planning

[Convince India to ditch coal](#) [US News – March 30, 2015]

[Top China weather expert warns on climate change](#) [Business Insider – March 22, 2015]

[France says new roofs must be covered in plants or solar panels](#)

[Think Progress – March 20, 2015]

[World Council of Churches: “Right to hope” despite climate change challenges](#)

[Anglican News – March 12, 2015]

Climate Change Modeling

[Computer sims: In climatic tug of war, carbon released from thawing permafrost wins handily](#)

[Science Daily – March 18, 2015]

Communicating Climate Change

[A difficult climate: New study examines the media's response to the IPCC](#)

[Science Daily – March 25, 2015]

["More Than Scientists" seeks to show human side of climate experts](#)

[Daily Climate – March 16, 2015]

[Climate change: Why the Guardian is putting threat to Earth front and center](#)

[The Guardian – March 6, 2015] *(One regret of the retiring editor of the Guardian, who is stepping down after 20 years, is "that we had not done justice to this huge, overshadowing, overwhelming issue of how climate change will probably, within the lifetime of our children, cause untold havoc and stress to our species")*

BLOGS/Commentary

Jonathan Mingle on "[Finally, a climate change message that just might work](#)"

[Huffington Post – March 24, 2015] *(climate change is "first and foremost an urgent public health crisis" and "the challenge of averting the coming catastrophe of an overheated planet aligns neatly with the fight against the daily catastrophe of air pollution")*

Joe Romm on "[Smithsonian stands by wildly misleading climate change exhibit paid for by Kochs](#)" [Think Progress – March 24, 2015]

The White House on "[Leading by example on climate change: Our new federal sustainability plan](#)" [White House – March 19, 2015]

George P. Shultz on "[A Reagan approach to climate change](#)"

[Washington Post – March 13, 2015] *(Former Secretary of State Shultz explains why Reagan considered his work on the Montreal Protocol to reduce ozone-depleting chemicals to be an 'insurance policy' and a 'magnificent achievement')*

Joe Romm on "[NOAA announces arrival of El Niño, 2015 poised to beat 2014 for hottest year](#)"

[Think Progress – March 5, 2015]

Additional Items of Interest

[Today's backyard gardens becoming climate change warriors](#) [CTV News – March 31, 2015]

[Obama's strategy on climate change, part of global deal, is revealed](#)

[New York Times – March 31, 2015]

[Two degree Celsius climate change target 'utterly inadequate', expert argues](#)

[Science Daily – March 27, 2015]

[Antarctic ice shelves rapidly thinning](#) [Phys Org – March 26, 2015]

[New FEMA guidelines force the climate change issue](#) [Insurance Journal – March 26, 2015]

[Expert: America is 'one-sided' on climate change](#) [Desert Sun – March 25, 2015]

[Climate denial is immoral, says head of US Episcopal church](#) [Guardian – March 24, 2015]

[U.S. is laggard among developed nations in understanding climate change](#)

[Inside Climate News – March 23, 2015]

[To stop climate change, flat CO1 emissions aren't enough, say scientists](#)

[Christian Science Monitor – March 23, 2015]

[U.S. negotiator sees global climate change deal happening this year](#)

[Wall Street Journal – March 20, 2015]

[Executive Order – Planning for Sustainability in the Next Decade](#)

[White House – March 19, 2015]

[5 ways to reduce the drivers of climate change](#) [World Bank – March 18, 2015]

[How Google Trekker is helping map climate change](#) [The Verge – March 18, 2015]

[Coping with the Anthropocene: How we became nature](#) [Science Daily – March 17, 2015]

[Solar could meet California energy demand three to five times over](#)

[Science Daily – March 16, 2015]

[NASA: Earth tops hottest 12 months on record again, thanks to warm February](#)

[Think Progress – March 15, 2015]

[Lake Tahoe: Drought, climate change threatening winter, way of life at iconic landmark](#)

[San Jose Mercury News – March 14, 2015]

[Russian scientists say climate change to blame for mysterious Siberia craters](#)

[The Guardian – March 12, 2015]

[The scary idea that won't go away: Global warming messing with the jet stream and your weather](#) [Washington Post – March 12, 2015]

[Kerry: 'Energy policy' the solution to climate change](#)

[US News and World Report – March 12, 2015]

[Florida isn't alone: North Carolina, Pennsylvania ban 'climate change' too](#)

[Weather.com – March 11, 2015] (Thankfully, California does not have its head in the sand on this issue: [CA Climate Change Portal](#))

[In Florida, officials ban term 'climate change'](#) [Miami Herald – March 8, 2015] (*Florida Department of Environmental Protection officials "have been ordered not to use the term 'climate change' or 'global warming' in any official communications, emails, or reports..."*)

[Keystone XL oil pipeline: What you need to know about the dispute](#)

[LA Times – March 6, 2015]

[Here's what gas would have to cost to account for health and environmental impacts](#)

[Climate Progress – March 5, 2015] (*brace yourself..."accounting for the social costs of burning gasoline would add an average of \$3.80 per gallon to the pump price"*)

[Shell's Ollila says society must find 'middle way' on climate change](#)

[Wall Street Journal – March 4, 2015]

[How ski resorts are fighting climate change](#) [Outside Magazine – February 26, 2015]

Images to Ponder

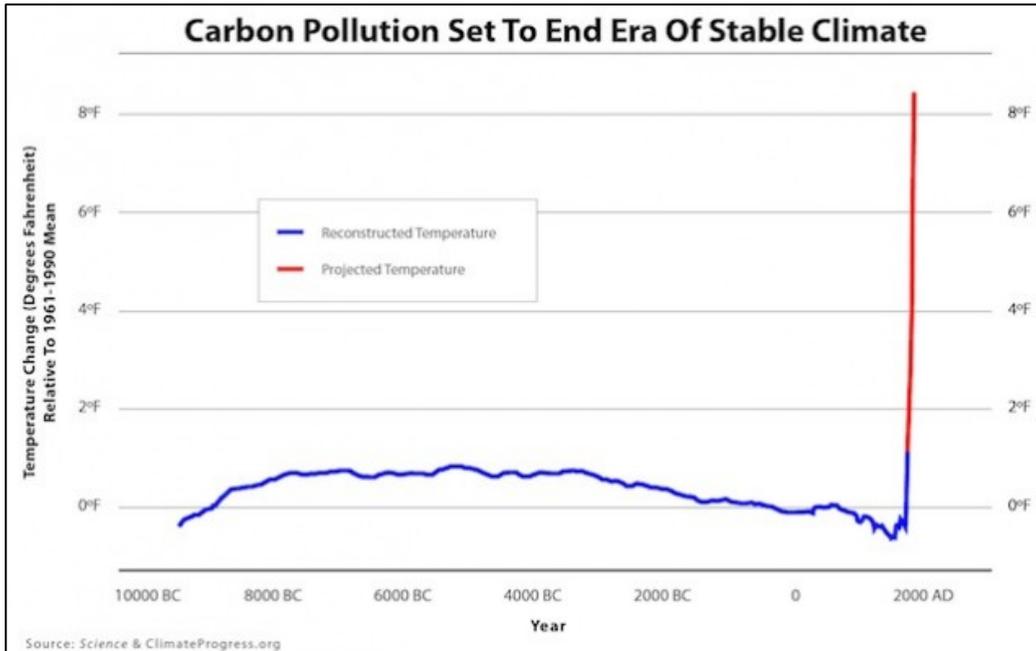


Image credit: <http://thinkprogress.org/climate/2015/03/23/3637313/smithsonian-climate-change-koch/>

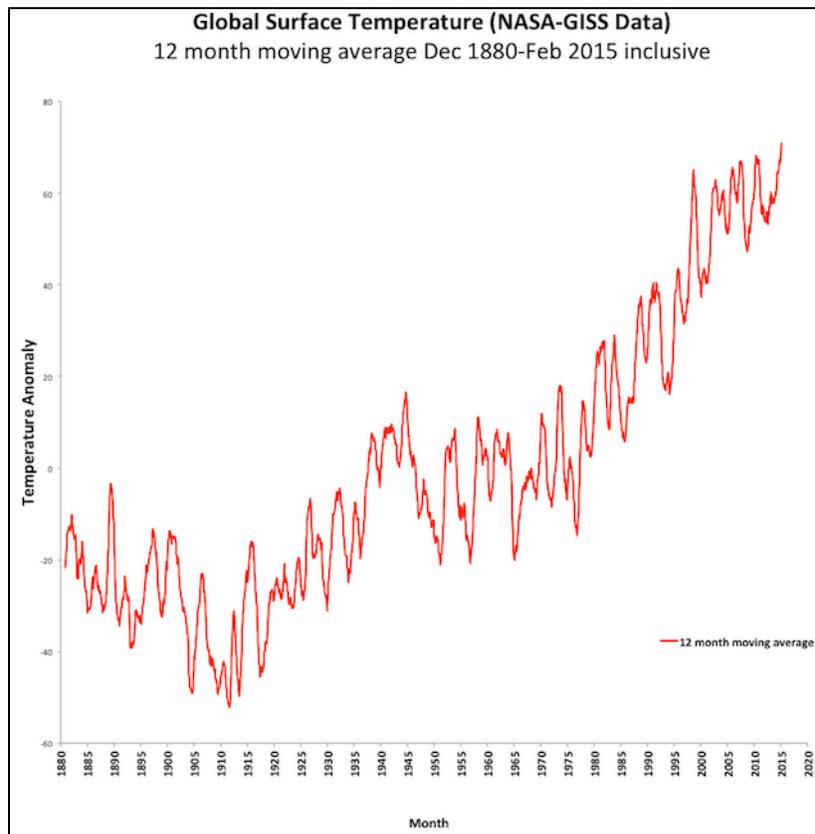


Image credit: <http://thinkprogress.org/climate/2015/03/15/3630404/nasa-hottest-12-months-record/>

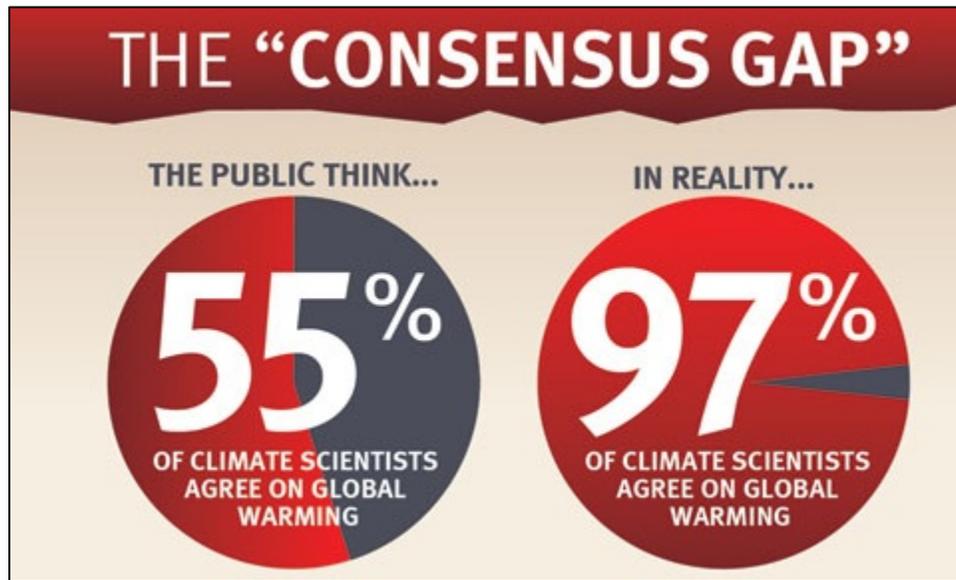


Image credit: <http://www.theguardian.com/environment/climate-consensus-97-per-cent/2015/mar/10/consensus-and-geoengineering-how-to-convince-people-about-global-warming>

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