

DWR Climate News Digest

January 4, 2014 to February 20, 2014

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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.

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

Reports

[Reducing Climate Risks with Natural Infrastructure](#) [Nature Conservancy - January 2014]

[Water Quality Impacts of Extreme Weather-Related Events](#)

[Water Research Foundation - January 2014]

Published Literature

[Recent intensification of wind-driven circulation in the Pacific and the ongoing warming hiatus](#) [Nature Climate Change - February 9, 2014] (abstract only)

Grants and Other Funding Opportunities

Wetland Program Development Grants: 2014 RFP [US EPA] (*Wetland Program Development Grants (WPDGs) provide eligible applicants an opportunity to conduct and promote the coordination and acceleration of research, investigations, experiments, training, demonstrations, surveys, and studies relating to the causes, effects, extent, prevention, reduction, and elimination of water pollution. All proposals submitted under this RFP must be for projects that build or refine state/tribal/local government wetland programs. Implementation of wetland protection programs is not an eligible project under this announcement.*)

Sea-level Rise and other Ocean Impacts

[Stronger winds over Pacific Ocean help slow global warming](#)

[Scientific American - February 10, 2014]

[Climate change is slowly but steadily cooking the world's oceans](#) [Quartz - February 4, 2014]

[L.A. storms to grow more destructive as sea level rises](#) [LA Times - January 7, 2014]

Agriculture/Food Production

[White House to help farmers, ranchers cope with climate change](#)

[McClatchy DC - February 5, 2014]

[White House announces network of climate hubs. So what are they?](#)

[National Geographic - February 5, 2014]

[Extreme weather wreaking havoc on food as farmers suffer](#)

[Bloomberg Businessweek - January 17, 2014]

[Climate change can be 'mitigated' by 'reducing demand' on livestock, scientists say](#)

[International Business Times - January 5, 2014]

General Water Management

[State agencies take aggressive action to curb water use across California](#)

[DGS - February 6, 2014]

[Water quality under threat due to climate change](#) [Water Online - January 29, 2014]

[Why state's water woes could be just beginning](#) [UC Berkeley - January 21, 2014]

Extreme Weather Events

[In drought-ravaged California, Obama talks preparation for climate change](#)

[Christian Science Monitor - February 15, 2014]

[U.K.'s historic flooding is washing sewage into the streets](#) [Think Progress - February 13, 2014]

[Met office: Evidence 'suggests climate change link to storms'](#) [BBC - February 9, 2014]

[Leading scientists explain how climate change is worsening California's epic drought](#)

[Climate Progress - January 31, 2014]

[Drought in California: Trends and climate context](#) [Climate Nexus - January 31, 2014]

[Scientists: Past California droughts have lasted 200 years](#) [msn - January 31, 2014]

[UK floods: January rain breaks records in parts of England](#) [BBC News UK - January 30, 2014]

[Ridiculously resilient ridge continues to shatter records, but pattern shift may be approaching](#)

[Weather West - January 25, 2014]

[Analysis indicates that North and tropical Atlantic warming affects Antarctic climate](#)

[National Science Foundation - January 22, 2014]

[Australia's record heatwave: melting bottles and fainting ball boys](#)

[The Telegraph - January 14, 2014] (*"The hot start to 2014 follows a year of record-breaking temperatures in Australia last year, as the world's driest continent had its hottest day, hottest month, hottest summer and its hottest year since reliable recordings began in 1910"*)

[The flood next time](#) [NY Times - January 13, 2014]

[Polar vortex and climate change: Why cold weather doesn't disprove global warming](#)

[International Business Times - January 6, 2014]

Human Health Impacts

[How the spreading symptoms of climate change can be deadly](#)

[Scientific American - February 18, 2014] (*"The hallmarks of a warming climate, heavier rains, more severe drought, rising sea levels and longer growing seasons, are spreading a variety of pathogens throughout the world"*)

Tribal Impacts & Traditional Ecological Knowledge

[USDA's seven climate change hubs include two in Indian country](#)

[Indian Country Today - February 5, 2014]

[How climate change impacts indigenous communities](#)

[YottaFire - January 27, 2014] (*"With a long history and deep connection to the Earth's resources, indigenous peoples have an intimate understanding and ability to observe the long-term impacts of climate change. Traditional ecological knowledge and tribal experience plays a key role in developing future science solutions to adapt to the impacts"*)

Wildlife and Ecosystem Impacts

[Climate change affects insect distribution](#) [Nature World News - February 21, 2014]

[Climate change key to megafauna deaths](#) [Phys Org - February 18, 2014]

[Cat parasite found in western Arctic Beluga deemed infectious](#)

[University of British Columbia - February 13, 2014] (*"the 'big thaw' occurring in the Arctic is allowing never-before-seen movement of pathogens between the Arctic and lower latitudes"; the presence of the infectious parasite has prompted a call for caution for the Inuit people who eat whale meat*)

[Stresses of climate change create a more dangerous world - intelligence director](#)

[Climate Wire - January 31, 2014] (*US Director of National Intelligence James Clapper warns the Senate Committee on Intelligence about "the risks climate change creates by exacerbating water resources issues and stimulating extreme weather events"*)

[Penguins, even in Argentina at risk from climate change, study says](#)

[Christian Science Monitor - January 29, 2014]

[Differences in mammal responses to climate change demonstrated](#)

[Science Daily - January 22, 2014]

[Large old trees grow fastest, storing more carbon](#) [USGS - January 15, 2014]

[Safe havens revealed for biodiversity in a changed climate](#) [Science Daily - January 13, 2014]

[About 100,000 bats dead after heatwave in southern Queensland](#) [ABC - January 8, 2014]

Greenhouse Gas Mitigation

[Energy and climate experts find wide range of 2030 emissions targets on path to 2050](#)

[UC Davis Policy Institute - February 18, 2014]

[Obama's agenda: EPA leading the charge on climate change](#) [Politico - January 31, 2014]

[Climate engineering: What do the public think?](#) [Science Daily - January 12, 2014]

[Why some mushrooms may be magic for climate change](#) [Time - January 8, 2014]

Climate Adaptation

[White roofs beat 'green' roofs on climate change](#)

[San Francisco Business Times - January 21, 2014]

International Planning

[Wahungu sounds alarm over climate change impact](#) [Capital News - February 18, 2014]

[Preparation needed for climate change: Lao official](#) [CCTV - February 18, 2014]

[US - China Joint Statement on Climate Change](#) [US Department of State - February 15, 2014]

("In light of the overwhelming scientific consensus on climate change and its worsening impacts, and the related issue of air pollution from burning fossil fuels, the United States and China recognize the urgent need for action to meet these twin challenges")

Legislative Updates

[Clean Air Act: Ninth circuit adopts high bar for standing in greenhouse gas citizen suits](#)

[Marten Law - February 10, 2014]

BLOGS/Commentary

Rocky Kistner on "[To fight climate change, what would George Washington do?](#)"

[Huffington Post - February 17, 2014]

Brian Ettling on "[Using humor effectively to communicate climate change](#)"

[Climate Access - February 14, 2014] *(according to the author, climate change communicators need to be "likeable, enthusiastic, credible, hopeful and humorous to communicate effectively")*

Marlene Cimon on "[Americans' mental health is latest victim of changing climate](#)"

[Yahoo news - February 3, 2014]

Brian Palmer on "[How to convince your friends to believe in climate change. It's not as hard as you think.](#)" [Washington Post - February 3, 2014]

Kofi Annan on "[A united call for action on climate change](#)"

[Washington Post - January 22, 2014] *(Kofi Annan, chair of the Elders - a group of independent leaders who work for peace, justice and human rights worldwide - states that "climate change is the biggest challenge of our time...it undermines the human rights to food, water, health and shelter - causes for which we, the Elders, have fought all our lives")*

Michael Mann on "[Does Polar Vortex mean 'so much for global warming'?](#)"

[Live Science - January 31, 2014]

Additional Items of Interest

[U.S. billionaire to pour \\$100 million into climate change fight](#) [Reuters - February 20, 2014]

[An open letter from Tom Steyer to U.S. Secretary of State John Kerry](#)

[NextGen Climate - February 2014]

[California senators float post-2020 climate change bill](#) [Reuters - February 19, 2014]

[Climate change back on the agenda?](#) [Alaska Dispatch - February 19, 2014]

[Investors can profit from rejecting climate change myths](#)

[Financial Advisor - February 21, 2014] (*"Unlike a classic bubble that bursts catastrophically, climate change is a more complex issue that will impact portfolios through both incremental and quantum change"*)

[How did surface temperatures rank for January 2014?](#) [AccuWeather.com - February 18, 2014]

(*January 2014 was the 3rd warmest globally according to NASA, despite bitter cold in the eastern half of the U.S. and Canada*)

[White House pledges \\$1 billion to prepare for climate change](#) [Reuters - February 14, 2014]

[Arctic autumns on track to warm a staggering 23°F, NOAA warns](#)

[Climate Progress - February 13, 2014]

[Three signs of retreat in the global war on climate change](#) [The Nation - February 13, 2014]

[Levels of global-warming gas methane exceed government estimates, new study contends](#)

[Washington Post - February 13, 2014]

[Church of England vows to fight 'great demon' of climate change](#)

[Guardian - February 12, 2014]

[Olympians speak out on climate change as Sochi warms up](#) [USA Today - February 12, 2014]

[Forest emissions, wildfires explain why ancient Earth was so hot](#)

[Science Daily - February 5, 2014]

[While the world waits for a real climate deal, megacities are taking action](#)

[Climate Progress - February 5, 2014]

[Google Earth: How much has global warming raised temperatures near you?](#)

[Guardian - February 4, 2014]

[Greenland's fastest glacier reaches record speeds](#)

[European Geosciences Union - February 3, 2014]

[Stresses of climate change create a more dangerous world - intelligence director](#)

[Climate Wire - January 31, 2014]

[A hunk of planet dissolves before our eyes](#) [NPR - January 31, 2014]

[A change in the legal climate](#) [Newsweek - January 30, 2014]

[Industry awakens to threat of climate change](#) [NY Times - January 23, 2014] (*"Today, after a decade of increasing damage to Coke's balance sheet as global droughts dried up the water needed to produce its soda, the company has embraced the idea of climate change as an economically disruptive force"*)

[U.N. says lag in confronting climate woes will be costly](#) [NY Times - January 16, 2014]

[Global warming's biggest contributors identified](#) [SF Chronicle - January 15, 2014]

[High levels of molecular chlorine found in Arctic atmosphere](#) [January 13, 2014]

[NASA finds 2013 sustained long-term climate warming trend](#) [NASA - January 12, 2014]

[FACT SHEET] [Climate adaptation at the federal level](#)

[Environmental and Energy Study Institute - January 2014]

[November global temperature highest on record](#)

[National Oceanic and Atmospheric Association - December 19, 2013]

Images to Ponder

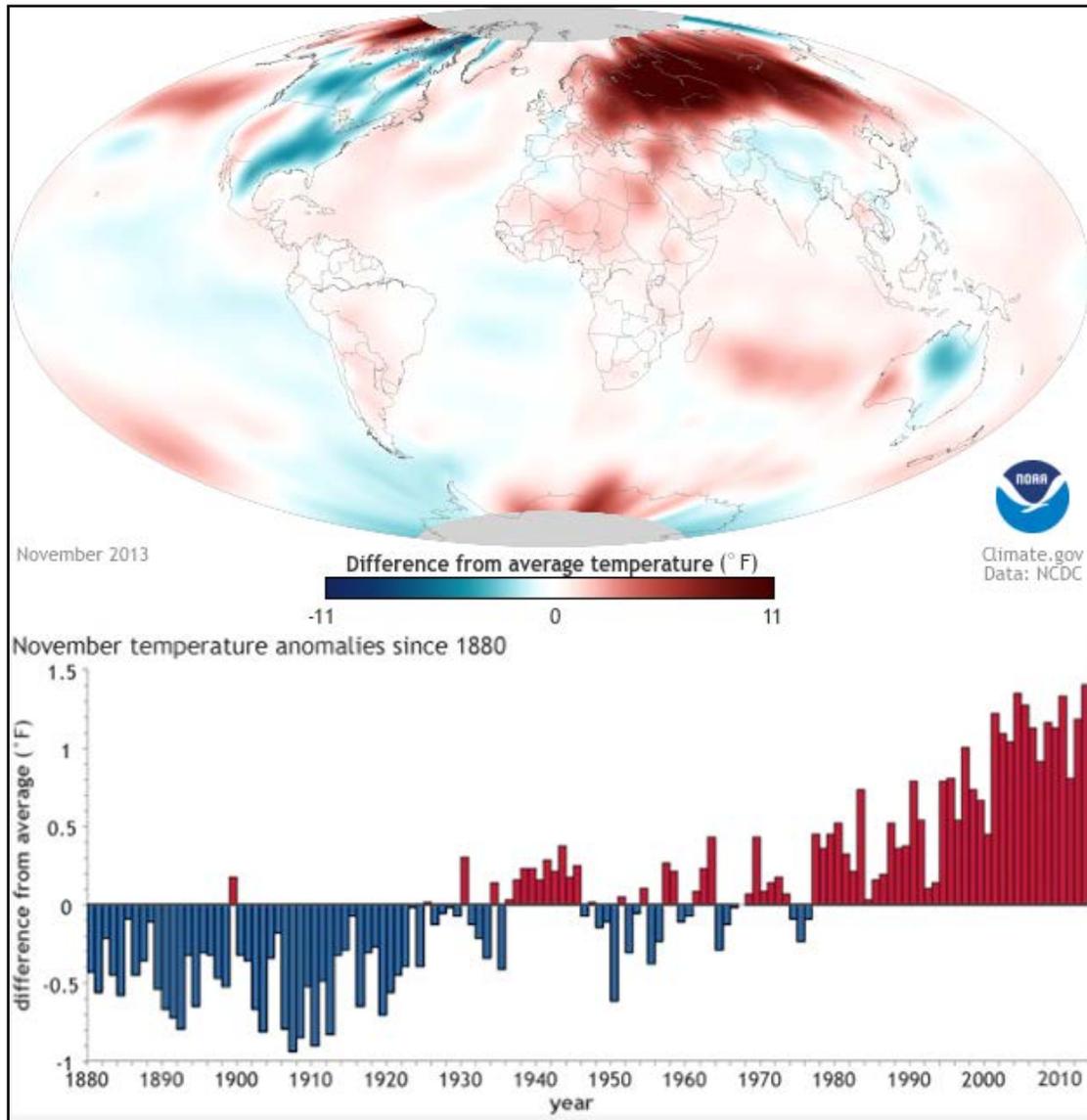
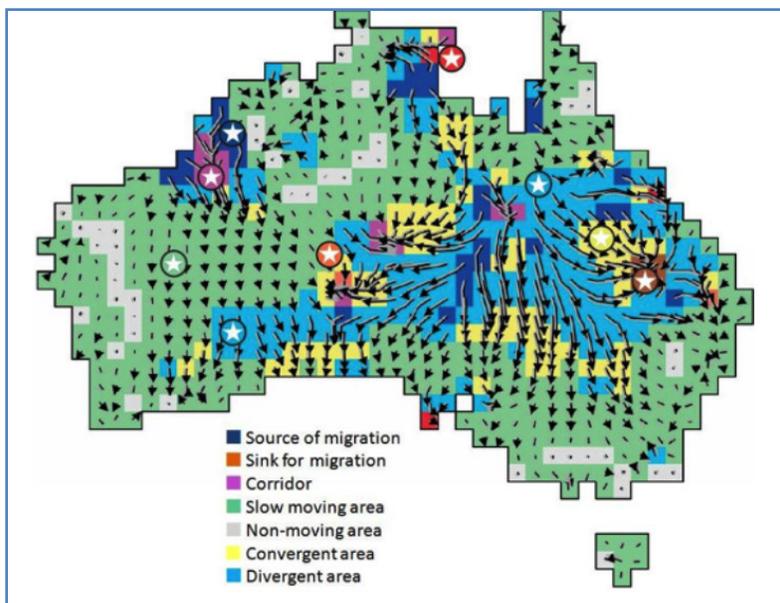


Image credit: <http://www.climate.gov/news-features/featured-images/november-global-temperature-highest-record>



Speed and direction of climate shifts over past 50 yrs in Australia

Image credit: <http://www.sciencedaily.com/releases/2014/02/140210095410.htm>

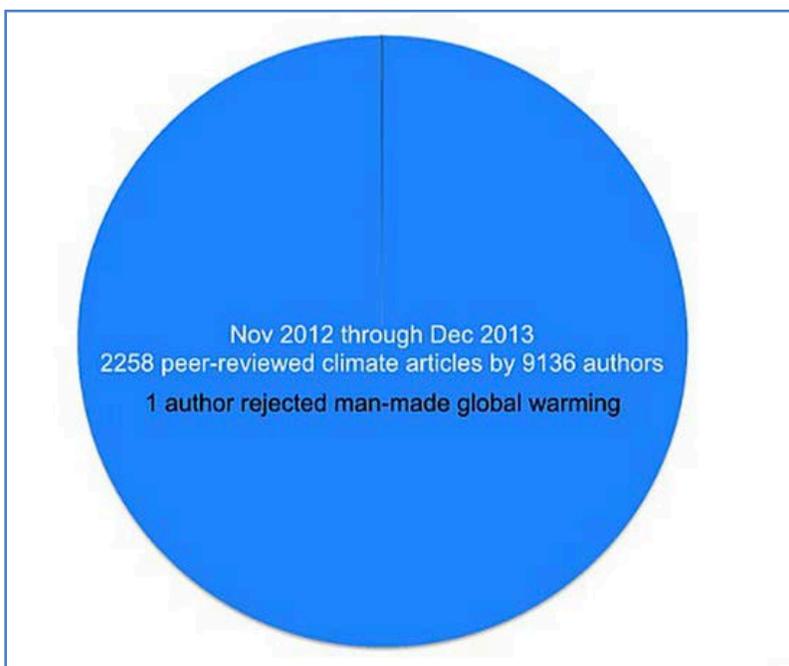


Image credit: <http://www.dailykos.com/story/2014/01/14/1269609/-Climate-change-denying-scientists-er-scientist-getting-a-bit-lonely>

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