

DWR Climate News Digest

October 2016

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The information provided in the DWR Climate News Digest is a selected compilation of recent popular news articles, publications, and other information relevant to climate change and water management, and is 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](#)]

DWR Staff Publications

[Interlinking climate change with water-energy-food nexus and related ecosystem processes in California case studies](#) [Ecological Processes – 2016]

Reports

Climate Risk – Technical Bulletin (pdf)

[Sustainability Accounting Standards Board – October 20, 2016] *(This document “...identifies material financial impacts from climate change for companies in 72 out of 79 industries, representing \$27.5 trillion, or 93% of the U.S. equity market.”)*

Agriculture/Food Production

The State of Food and Agriculture 2016: Climate Change, Agriculture and Food Security

[Relief Web – October 17, 2016]

After a long day of fighting climate change, this grain is ready for a beer

[NPR – October 26, 2016]

Extreme Weather Events

Study finds climate change could lead to more hurricanes on NYC coast

[Insurance Journal – October 12, 2016]

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Sea-level Rise and other Ocean Impacts

[Global fisheries will lose \\$10 billion a year to climate change by 2050](#)

[Forbes – October 6, 2016]

[Climate change may benefit native oysters, but there's a catch](#)

[Science Daily – October 10, 2016]

Water/Energy Nexus

[Water-energy nexus registry approved in California](#) [Water Online – October 18, 2016]

Human Health Impacts

[NRDC report: Latinos are especially hard hit by climate change](#)

[PR Newswire – October 13, 2016]

Wildlife and Ecosystem Impacts

[Climate change could be a greater threat to tropical frogs than deforestation](#)

[Berkeley News – October 7, 2016]

[Climate change shifts how long ants hang on to coveted real estate](#)

[Science News – October 26, 2016]

[Fish turn on genes to adapt to climate change](#) [Scientific American – October 27, 2016]

Greenhouse Gas Mitigation

[US energy emissions fall to 25-year low](#) [Climate Home – October 13, 2016] (*“This decline is happening while the US economy continues to grow, albeit slowly. It adds to mounting evidence that carbon emissions are no longer a prerequisite for economic expansion.”*)

[How crickets can provide cheap, climate-friendly protein](#) [Climate Home – October 13, 2016]

[Ice detectives scramble before climate change destroys evidence of itself](#)

[Scientific American – October 20, 2016] (*“Threatened glaciers store many of Earth's fading prehistoric memories, including valuable temperature information.”*)

[Scientists accidentally create simple solution to global warming](#) [Big Think – October 21, 2016]

(“Oak Ridge National Laboratory has essentially created a new way to remove large amounts of carbon dioxide from our atmosphere in a cheap, efficient, scalable way, which the team hopes could be used to mitigate or completely reverse fossil fuel carbon dioxide production.”)

[Geoengineering to alter climate moves closer to reality](#) [Bloomberg- October 31, 2016]

Climate Adaptation

[EPA launches ARC-X – ‘one stop- climate change adaptation website](#) [CNS News – October 7, 2016]

[Climate adaptation: How do we know we’re doing enough?](#)

[Climate Home – October 28, 2016]

[To adapt to climate change, retreat is necessary](#) [The Nation – October 31, 2016]

International Planning

[India ratifies Paris climate change agreement](#) [NPR – October 2, 2016]

[European Union ratifies Paris climate change agreement](#) [UPI – October 4, 2016]

[Canada’s Trudeau steps up on climate change](#) [New York Times – October 7, 2016]

[Haiti beyond Matthew: Building resilience to climate change](#)

[New Internationalist – October 12, 2016] (*“...communities in Haiti and beyond must be sufficiently resourced and equipped to face climatic challenges, so that they can protect themselves against the impacts of future disasters.”*)

[Indian farmers fight against climate change using trees as a weapon](#)

[The Guardian – October 29, 2016]

Communicating Climate Change

[The psychology behind climate change denial](#) [Science Daily – October 4, 2016] (*“The arguments used in the climate debate often revolve around giving up conveniences in life to help the environment or poor or weak. It would perhaps be better to...describe how everyone will benefit from the measures instead of being affected by the consequences and that the measures don’t have to be a threat to the current societal structure.”*)

[Katharine Hayhoe, a climate explainer who stays above the storm](#)

[New York Times – October 10, 2016]

['Extreme Weather' film connects nature's fury to climate change](#)

[National Geographic – October 13, 2016]

BLOGS/Commentary

Adam Frank on "[Climatic change and the astrobiology of the Anthropocene](#)"

[NPR – October 1, 2016]

Hugh Sealy on "[The coming public health disaster](#)"

[US News and World Report – October 5, 2016]

Amanda Paulson on "[Why climate change divides us](#)"

[Christian Science Monitor – October 12, 2016]

Eric S. Godoy and Aaron Jaffe on "[We don't need a 'war' on climate change, we need a revolution](#)" [New York Times – October 31, 2016]

Additional Items of Interest

[Carbon dioxide levels race past troubling milestone](#) [NOAA – September 30, 2016]

[Planet at its hottest in 115,000 years thanks to climate change, experts say](#)

[The Guardian – October 4, 2016] (*"This rate of warming is bringing Earth in line with temperatures last seen in the Eemian period, an interglacial era ending 115,000 years ago when there was much less ice and the sea level was 6-9 meters (20-30 feet) higher than today."*)

[The politics of climate](#) [Pew Research Center – October 4, 2016]

[Brexit briefing: Climate change](#) [Financial Times – October 5, 2016]

[New EPA web portal helps communities prepare for climate change](#)

[US EPA – October 6, 2016] (*"The U.S. Environmental Protection Agency today launched a new online portal that will provide local leaders in the nation's 40,000 communities with information and tools to increase resilience to climate change. Using a self-guided format, the Adaptation Resource Center (ARC-X) provides users with information tailored specifically to their needs, based on where they live and the particular issues of concern to them."*)

[Science of disbelief: When did climate change become all about politics?](#)

[Live Science – October 6, 2016] (*“Barely over a quarter of Americans know that almost all climate scientists agree that climate change is happening and that humans are to blame...”*)

[What Millennials have to say about climate change](#) [City Lab – October 6, 2016]

[What climate change means for investors](#) [Barrons – October 8, 2016] (*“Examples of potential beneficiaries could be infrastructure companies and renewable energy companies, while losers could include certain utilities and nuclear-power companies with coastal energy assets.”*)

[Climate change has doubled western US forest fires](#) [Phys Org – October 10, 2016] (*“The overall increase in fire since the 1980s is about twice what the researchers attribute to climate change; the rest is due to other factors.”*)

[Breakage of monumental B.C. iceberg quietly sounds climate change alarm](#)

[Globe and Mail – October 12, 2016]

[Three cities gaming climate change](#) [Efficient Gov – October 13, 2016] (*“Gaming climate change is valuable for teaching transportation agencies and other public decision makers about overcoming barriers to resilience.”*)

[Link between climate change and armed conflict is exaggerated – new study](#)

[The Conversation – October 17, 2016] (*“Drought does explain some of the variation in whether or not conflicts kick off, but the ‘substantive effect is modest’ compared with ethnic political exclusion, proximity to pre-existing violence or various country-specific risk factors.”*)

[Report: The Hartford, Travelers taking climate change seriously](#)

[Hartford Courant – October 20, 2016] (*“Ceres analyzed reports submitted by 148 insurers, finding that casualty insurers and reinsurers are taking climate change most seriously.”*)

[Climate change threatens 90% of all industries – report](#)

[Energy and Environment News – October 20, 2016] (*“‘Climate change is the single biggest economic risk the world faces today’, Henry Paulson (R) and Robert Rubin (D), each a former secretary of the Treasury Department, wrote in the Sustainability Accounting Standards Board report.”*)

[‘The atmosphere is being radicalized’ by climate change](#) [The Guardian – October 24, 2016]

[Watch Leonardo DiCaprio’s climate change documentary online for free](#)

[EcoWatch – October 25, 2016]

[Climate change could flip Mediterranean lands to desert](#)

[Scientific American – October 28, 2016]

[Climate change is already forcing Americans to move](#) [Bloomberg – October 31, 2016]

Images to Ponder

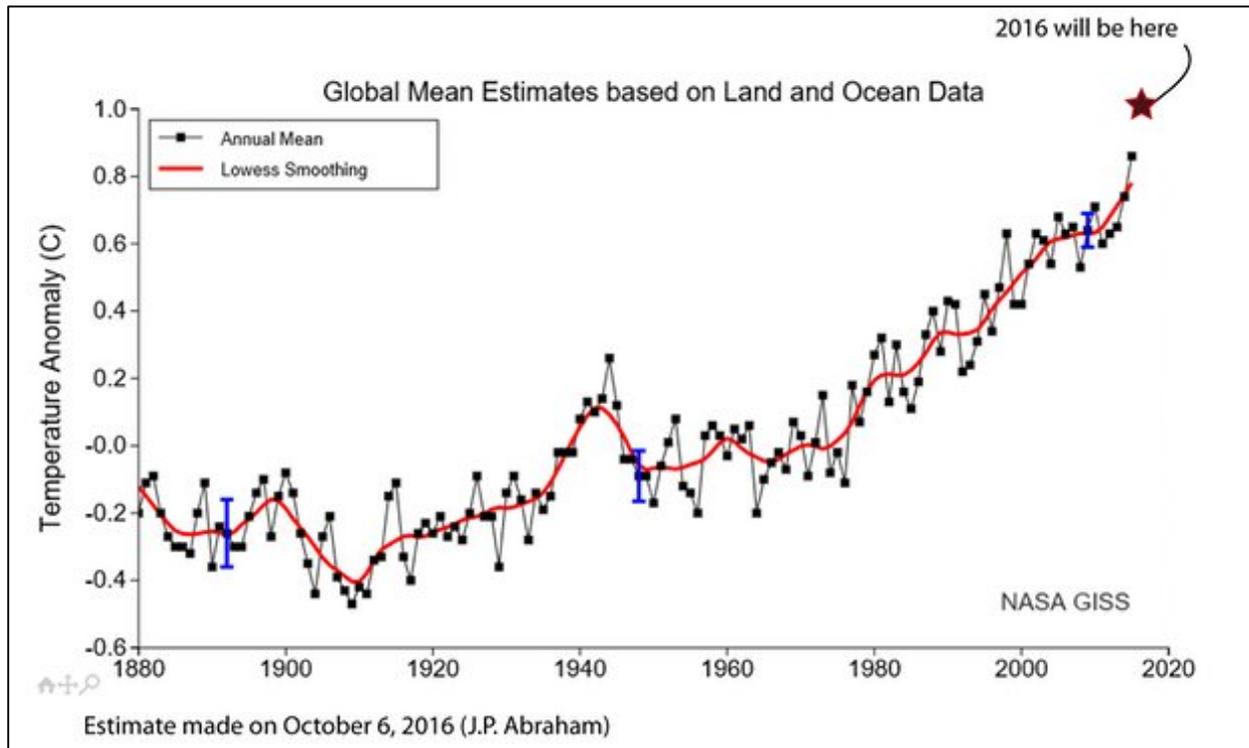


Image credit: <https://www.theguardian.com/environment/climate-consensus-97-per-cent/2016/oct/24/the-atmosphere-is->

[being-radicalized-by-climate-change](#)

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