

Update # 5 – Climate Change - Evidence, Effects, Necessary Action

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NOTE: We often cite a media article covering the study. However, those articles contain links to the actual study for those who want more depth

Melting in Antarctica

In West Antarctica, Melting Ice Rates Have Tripled in Last Decade

<http://www.commondreams.org/news/2014/12/03/west-antarctica-melting-ice-rates-have-tripled-last-decade>

Volume loss from Antarctic ice shelves is accelerating

<http://www.sciencemag.org/content/early/2015/03/25/science.aaa0940>

Melting Glaciers

Projected deglaciation of western Canada in the twenty-first century

<http://www.carbonbrief.org/blog/2015/04/western-canadas-glaciers-could-shrink-by-as-much-as-95-percent-by-2100-study-finds/>

Melting Permafrost – Feedback Loop

Why This New Study On Arctic Permafrost Is So Scary

<http://thinkprogress.org/climate/2015/04/08/3643953/greenland-permafrost-thaw-microbes/>

Changes in the Oceans

The Oceans Are Warming So Fast, They Keep Breaking Scientists' Charts

<https://nbharbinger.wordpress.com/2015/01/25/the-oceans-are-warming-so-fast-they-keep-breaking-scientists-charts/>

Exceptional twentieth-century slowdown in Atlantic Ocean overturning circulation

http://ecowatch.com/2015/03/25/global-warming-slowing-ocean-currents-michael-mann/?utm_source=EcoWatch+List&utm_campaign=c07aacd51b-Top_News_3_25_2015&utm_medium=email&utm_term=0_49c7d43dc9-c07aacd51b-85328537

Droughts

NASA Study Finds Carbon Emissions Could Dramatically Increase Risk of U.S. Megadroughts

<http://www.nasa.gov/press/2015/february/nasa-study-finds-carbon-emissions-could-dramatically-increase-risk-of-us/#.VN9w1MZ0F1>

Anthropogenic warming has increased drought risk in California

<http://www.pnas.org/content/early/2015/02/23/1422385112>

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Disease

Public Release: 15-Feb-2015 UNL researcher: More infectious diseases emerging because of climate change

http://www.eurekalert.org/pub_releases/2015-02/uon-urm021315.php

Change in Temperature

Near-term acceleration in the rate of temperature change

<http://www.nature.com/nclimate/journal/vaop/ncurrent/full/nclimate2552.html>

Weather

Extreme Weather Will Be ‘New Climate Normal’ Without Immediate Action, Warns World Bank

http://ecowatch.com/2014/11/24/extreme-weather-world-bank/?utm_source=EcoWatch+List&utm_campaign=c34c122c10-Top_News_11_24_2014&utm_medium=email&utm_term=0_49c7d43dc9-c34c122c10-85328537

Scientists Are Clear: Big Winter Storms Influenced by Warming Planet

<http://www.commondreams.org/news/2015/01/27/scientists-are-clear-big-winter-storms-influenced-warming-planet>

Other Human Fallout

Did Climate Change Help Spark The Syrian War?

<http://www.ldeo.columbia.edu/news-events/did-climate-change-help-spark-syrian-war>

Leaving it in the Ground

'Pretty Obvious,' says US Climate Envoy, 'We'll Have to Leave Fossil Fuels In the Ground'

<http://www.commondreams.org/news/2014/11/25/pretty-obvious-says-us-climate-envoy-well-have-leave-fossil-fuels-ground>

Mark Carney: most fossil fuel reserves can't be burned

<http://www.theguardian.com/environment/2014/oct/13/mark-carney-fossil-fuel-reserves-burned-carbon-bubble>

UN Climate Chief: Investment in Fossil Fuels Becoming 'More and More Risky'

www.commondreams.org/news/2014/12/03/un-climate-chief-investment-fossil-fuels-becoming-more-and-more-risky