

Subject: DISCCRS News - July 15, 2014

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DISCCRS News

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Looking for more career resources? Check out the Career Resources page of the DISCCRS website (<http://disccrs.org/career>) for a great collection of resources for developing professional skills, locating funding opportunities, crafting grant proposals, and more.

RESOURCES

1,001 Blistering Future Summers (Interactive Graphic) - Climate Central - July 9, 2014 - <http://www.climatecentral.org/news/summer-temperatures-co2-emissions-1001-cities-16583>

This graphic depicts projected average summer high temperatures by 2100 for 1,001 U.S. cities (if current emissions trends continue) by showing which current cities they are going to feel most like.

Pathways to Deep Decarbonization: Interim 2014 Report - U.N. Sustainable Development Solutions Network - July 7, 2014 - <http://unsdsn.org/resources/publications/pathways-to-deep-decarbonization-interim-2014-report/>

Related: **Zero carbon and economic growth can go together, UN study says** - Guardian - July 9, 2014 - <http://www.theguardian.com/environment/2014/jul/10/zero-carbon-and-economic-growth-can-go-together-un-study-says>

Atlas of Mortality and Economic Losses from Weather, Climate and Water Extremes 1970-2012 (Report) - World Meteorological Organization and Catholic University of Louvain Centre for Research on the Epidemiology of Disasters - July 11, 2014 - http://www.wmo.int/pages/mediacentre/press_releases/pr_998_en.html

Related: **8 charts that show how climate change is making the world more dangerous** - Guardian - July 14, 2014 - <http://www.theguardian.com/environment/blog/2014/jul/14/8-charts-climate-change-world-more-dangerous>

Protecting our Capital: How climate adaptation in cities creates a resilient place for business (Report) - CDP (formerly Carbon Disclosure Project), AECOM, and C40 Cities Climate Leadership Group - July 10, 2014 - <https://www.cdp.net/en-US/News/CDP%20News%20Article%20Pages/cities-to-protect-businesses.aspx>

Based on the Carbon Disclosure Project responses from 207 global cities.

FUNDING

NOAA Call for Proposals: Ocean Acidification and Coastal Hypoxia - Ocean Acidification Program and National Centers for Coastal Ocean Science - National Oceanic & Atmospheric Administration - NOAA-NOS-NCCOS-2015-2004160 - Letters of intent due: August 11, 2014 - http://disccrs.org/newsletter/2014_07_15_NOAA_NCCOS_Funding.pdf

NEWS

Climate model shows Australia's rainfall decline due to human-caused climate change - National Oceanic & Atmospheric Administration - July 13, 2014 - <http://research.noaa.gov/News/NewsArchive/LatestNews/TabId/684/ArtMID/1768/ArticleID/10658/Climate-model-shows-Australia%E2%80%99s-rainfall-decline-due-to-human-caused-climate-change.aspx>

NASA's Aquarius Returns Global Maps of Soil Moisture - NASA - July 7, 2014 - <http://www.nasa.gov/content/goddard/nasas-aquarius-returns-global-maps-of-soil-moisture/#.U8QkVvldVvI>

Arctic warming upsets birds' breeding calendar - Climate News Network - July 8, 2014 - <http://www.climate-news-network.net/2014/07/arctic-warming-upsets-birds-breeding-calendar/>

Precipitation, not warming temperatures, may be key in bird adaptation to climate change - Oregon State University Press Release - July 10, 2014 - <http://oregonstate.edu/ua/ncs/archives/2014/jul/precipitation-not-warming-temperatures-may-be-key-bird-adaptation-climate-change>

Gene machinery helps plants handle CO2 rise - Climate News Network - July 10, 2014 - <http://www.climate-news-network.net/2014/07/gene-machinery-helps-plants-handle-co2-rise/>

Not at Home on the Range - University of California, Santa Barbara - July 8, 2014 - <http://www.news.ucsb.edu/2014/014310/not-home-range>
"A new study on parasites that infect a marine snail suggests that though hosts might expand their geographical range, the parasites don't always follow."

Coastal flooding has surged in U.S., Reuters finds - Reuters - July 10, 2014 - <http://www.reuters.com/article/2014/07/10/us-usa-sealevel-flood-idUSKBN0FF20220140710>

How a flood-prone village in the U.S. moved to higher, drier ground - Thomson Reuters Foundation - July 14, 2014 - <http://www.trust.org/item/20140713090240-3s7nq/>

Urban Heat - Not a Myth, and Worst Where It's Wet - Yale School Forestry & Environmental Studies - July 9, 2014 - <https://environment.yale.edu/news/article/urban-heat-not-a-myth-and-worst-where-its-wet/>
Study quantifies the primary causes of the urban heat-island effect.

U.S., China ink coal, clean energy deals but climate differences remain - Reuters - July 9, 2014 - <http://www.reuters.com/article/2014/07/09/us-usa-china-climatechange-idUSKBN0FE0JI20140709>

Caribbean looks to new insurance to cushion blow of natural disasters - Thomson Reuters Foundation - July 11, 2014 - <http://www.trust.org/item/20140711193444-lzmv4/>

Britain to fund South African carbon trading experiment - Reuters - July 14, 2014 - <http://in.reuters.com/article/2014/07/14/safrica-carbontrading-idINL6N0PP3F220140714>

Germany wants aid for emission-cutting projects in poor countries - Reuters - July 11, 2014 - <http://www.reuters.com/article/2014/07/11/un-carbon-idUSL6N0PK4GS20140711>

Livestock digestion released more methane than oil and gas industry in 2004 - GeoSpace blog (American Geophysical Union) - July 8, 2014 - <http://blogs.agu.org/geospace/2014/07/08/livestock-flatulence-released-methane-oil-gas-industry-2004/>

Rutgers Chemists Develop Technology to Produce Clean-Burning Hydrogen Fuel - Rutgers University - July 14, 2014 - <http://news.rutgers.edu/news/rutgers-chemists-develop-technology-produce-clean-burning-hydrogen-fuel/20140713#.U8RBAPldVvI>

FORUM

Is the Anthropocene a world of hope or a world of hurt? - Grist - July 7, 2014 - <http://grist.org/climate-energy/is-the-anthropocene-a-world-of-hope-or-a-world-of-hurt/>
Transcript of conversation between Andrew Revkin and Clive Hamilton, moderated by Nathanael Johnson.

Helsinki's ambitious plan to make car ownership pointless in 10 years - Guardian - July 10, 2014 - By Adam Greenfield - <http://www.theguardian.com/cities/2014/jul/10/helsinki-shared-public-transport-plan-car-ownership-pointless>

Solar is booming but solar parks could have unintended climate consequences - Guardian Professional - July 8, 2014 - By Alona Armstrong - <http://www.theguardian.com/sustainable-business/solar-power-parks-impact-environment-soil-plants-climate>

Why whale poo could be the secret to reversing the effects of climate change - Guardian - July 8, 2014 - By Philip Hoare - <http://www.theguardian.com/commentisfree/2014/jul/08/whale-poo-reverse-climate-change>

Rethinking the Wild: The Wilderness Act Is Facing a Midlife Crisis - New York Times - July 5, 2014 - By Christopher Solomon - <http://www.nytimes.com/2014/07/06/opinion/sunday/the-wilderness-act-is-facing-a-midlife-crisis.html>

JOBS

Looking for more job-hunting help? Please visit the News & Links page of the DISCCRS website (<http://disccrs.org/news>) for a list of climate change-related job listservs, or our Career Resources page (<http://disccrs.org/career>) for a great collection of resources for developing professional skills, locating funding opportunities, crafting grant proposals, and more.

Postdoc - Arctic Hydrology - Cold Regions Research Centre - Wilfrid Laurier University (Canada) - http://disccrs.org/newsletter/2014_07_15_Postdoc_WilfridLaurierU.pdf

Postdoc - Atmospheric Chemistry Modeling - School of Engineering and Applied Science - Harvard University (USA) - http://disccrs.org/newsletter/2014_07_15_Postdoc_HarvardU.pdf

Postdoc - Climate change impact - Department of Physical & Environmental Sciences - Texas A&M University-Corpus Christi (USA) -

http://discrcs.org/newsletter/2014_07_15_Postdoc_TexasA&MU.pdf

Postdoc - Climate Change Vulnerability - Department of Forest and Wildlife Ecology - University of Wisconsin-Madison (USA) - http://discrcs.org/newsletter/2014_07_15_Postdoc_UWisconsinMadison.pdf

Postdoc - Climate Data Analysis - Institute for Sustainable Cities - City University of New York (USA) - http://discrcs.org/newsletter/2014_07_15_Postdoc_CUNY.pdf

Postdoc - Whole atmosphere and/or ionosphere data assimilation - Cooperative Institute for Research in Environmental Sciences - University of Colorado Boulder (USA) - http://discrcs.org/newsletter/2014_07_15_Postdoc_UColoradoBoulder.pdf

Postdoc - Distribution of methane emissions from gas/oil extraction - Department of Civil and Environmental Engineering - Princeton University (USA) - http://discrcs.org/newsletter/2014_07_15_Postdoc_PrincetonU.pdf

Postdoc - Ecosystem Services - Institute on the Environment - University of Minnesota (USA) - http://discrcs.org/newsletter/2014_07_15_Postdoc_UMinnesota.pdf

Postdoc - Electric power systems and life cycle assessment - Department of Electrical Engineering & Computer Science - University of Michigan (USA) - http://web.eecs.umich.edu/~jlmath/UMEL_Postdoc.pdf
The postdoc will work with U-M Assistant Professor Johanna Mathieu, a DISCCRS VIII Scholar.

Postdoc - Glacier/Ice Sheet Modeling - Department of Geology - University of Kansas (USA) - http://discrcs.org/newsletter/2014_07_15_Postdoc_UKansas.pdf

Postdoc - Modelling aerosol-cloud interactions - Institute of Geophysics - Faculty of Physics - University of Warsaw (Poland) - http://discrcs.org/newsletter/2014_07_15_Postdoc_UWarsaw.pdf

Postdoc - Multiscale climate/drought simulation - Department of Earth System Science - University of California, Irvine (USA) - http://discrcs.org/newsletter/2014_07_15_Postdoc_UCIrvine.pdf

Postdoc - Physical Oceanography - Division of Ocean and Climate Physics - Lamont-Doherty Earth Observatory - Columbia University (USA) - http://discrcs.org/newsletter/2014_07_15_Postdoc_ColumbiaU.pdf

Postdoc - Polar Ice Cores - Department of Earth & Environmental Sciences - University of Rochester (USA) - http://discrcs.org/newsletter/2014_07_15_Postdoc_URochester.pdf

Postdoc - Regional Climate Modeling - Wegener Center for Climate and Global Change - University of Graz (Austria) - http://discrcs.org/newsletter/2014_07_15_Postdoc_UGraz.pdf

Postdoc - Soil erosion - Climate Change Consortium of Wales and Cardiff University School of Earth and Ocean Sciences (UK) - http://discrcs.org/newsletter/2014_07_15_Postdoc_CardiffU.pdf

Postdocs (2) - Assessing Climate Change Impact - Shanghai Climate Change Research Center (China) - http://discrcs.org/newsletter/2014_07_15_Postdocs_SCCRC.pdf

Postdocs (2) - Mixing and transport in the mesosphere and lower thermosphere - Leibniz Institute of Atmospheric Physics (Germany) - http://discrcs.org/newsletter/2014_07_15_Postdocs_LeibnizInst.pdf

Postdocs (2) - Quantitative climate ecology and fisheries ecology - Department of Ecology, Evolution, and Natural Resources - Institute of Marine and Coastal Sciences - Rutgers University (USA) - http://discrcs.org/newsletter/2014_07_15_Postdocs_RutgersU.pdf

Asst Prof - Climate Science - Department of Geography - Portland State University (USA) - http://discrcs.org/newsletter/2014_07_15_AsstProf_PortlandStateU.pdf

Asst Prof - Ecology - Department of Biological Sciences - Dartmouth College (USA) - <http://www.nature.com/naturejobs/science/jobs/430421-tenure-track-assistant-professorship-in-ecology>

Asst Professor - Energy Ecology - Savannah River Ecology Laboratory and Warnell School of Forestry and Natural Resources - University of Georgia (USA) - http://discrcs.org/newsletter/2014_07_15_AsstProf_UGeorgia.pdf
Contact DIALOG II Scholar Kathy Cottingham with questions (Kathryn.L.Cottingham@dartmouth.edu).

Faculty (2) - Environmental sociology - Department of Sociology and Environmental Studies Program - Boston College (USA) - http://discrcs.org/newsletter/2014_07_15_Faculty_BostonCollege.pdf

Instructor - Physical Geography/Geospatial Science - School of Earth, Environment & Society - Bowling Green State University (USA) - http://discrcs.org/newsletter/2014_07_15_Instructor_BowlingGreenStateU.pdf

Prof - Physical Geography (Climate Science) - Department of Geography - National University of Ireland, Maynooth (Ireland) - http://discrcs.org/newsletter/2014_07_15_Prof_NUIMaynooth.pdf

Analyst - Environment and Climate Change - Research & Analysis Division - Maplecroft (UK) - http://discrcs.org/newsletter/2014_07_15_Analyst_Maplecroft.pdf

Asst Director/Project Admin - iUTAH EPSCoR Project (innovative Urban Transitions and Aridregion Hydro-sustainability) - Department of Biology and Ecology Center - Utah State University (USA) - http://discrcs.org/newsletter/2014_07_15_AsstDir_UtahStateU.pdf
The candidate will work with USU Professor Michelle Baker, a DIALOG III Scholar.

Research Social Scientist (Quantitative) - Relationships among people and forest and rangeland ecosystems - Olympia Forestry Sciences Laboratory - Pacific Northwest Research Station - U.S. Forest Service (USA) - http://discrcs.org/newsletter/2014_07_15_SocScientist_USForestService.pdf

Scientist - Satellite Applications - Satellite Applications Section - Met Office (UK) - http://discrcs.org/newsletter/2014_07_15_Scientist_MetOffice.pdf

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The purpose of DISCCRS News is to distribute information of potential interest to U.S. recent PhDs engaged in interdisciplinary climate-change research and is generally sent weekly on Tuesdays. It also provides an international forum for the exchange of information and opinions regarding research, professional and social issues to foster a global sense of community among recent grads. The views and opinions expressed do not necessarily reflect those of the funding agencies or sponsoring societies. The editors reserve the right to edit or reject material submitted to the list.