

ENVIRONMENTAL HEALTH PERSPECTIVES, január 2012, ročník 120, číslo 1



FOCUS

Downscaling Climate Models: Sharpening the Focus on Local-Level Changes

Catherine M. Cooney
A22–A28 | <http://dx.doi.org/10.1289/ehp.120-a22>

Adaptation has become the key strategy in efforts to mitigate the effects of shifts in weather patterns linked to climate change, and one of the main tactics in adaptation strategy is the use of climate change modeling data to simulate extreme weather events and the subsequent health impacts associated with their occurrence. While global climate modeling is helpful, downscale modeling, which offers greater insight into how local climate can be affected, is now being used to assess the possible effects of weather variability.

FORUM

Can Indoor Swimming Alter Hormones in Boys?

Bob Weinhold
A18 | <http://dx.doi.org/10.1289/ehp.120-a18>

Summit Ties Sustainability to Improved Public Health

Tanya Tillett
A19 | <http://dx.doi.org/10.1289/ehp.120-a19>

Remediating Soil Lead with Fish Bones

Kris S. Freeman
A20–A21 | <http://dx.doi.org/10.1289/ehp.120-a20a>

The Beat

Erin E. Dooley
A20–A21 | <http://dx.doi.org/10.1289/ehp.120-a20b>

INNOVATIONS



Trending Now: Using Social Media to Predict and Track Disease Outbreaks

Charles W. Schmidt
A30–A33 | <http://dx.doi.org/10.1289/ehp.120-a30>

Cell phones, social media, and other web-enabled applications have revolutionized the ways and the speeds in which information is shared, from as near as the house across the street to as far away as the house across the globe. Now public health researchers are looking at these rapid information exchange platforms as tools to track, monitor, and predict outbreaks of infectious disease.

SCIENCE SELECTIONS

Atherosclerosis Predictor? Circulating Levels of POPs Linked to Arterial Effects

Julia R. Barrett

A34 | <http://dx.doi.org/10.1289/ehp.120-a34a>

Big Biking Payoff: Alternative Transportation Could Net Midwest over \$8 Billion

Kellyn S. Betts

A34 | <http://dx.doi.org/10.1289/ehp.120-a34b>

The Traveling Libby Legacy: Minnesota Community Exhibits Nonoccupational Health Impacts Consistent with Asbestos Damage

Tanya Tillett

A35 | <http://dx.doi.org/10.1289/ehp.120-a35a>

Mixed Metals Toxicity: More than the Sum of Its Parts?

Angela Spivey

A35 | <http://dx.doi.org/10.1289/ehp.120-a35b>

COMMENTARIES

Synthetic Food Colors and Neurobehavioral Hazards: The View from Environmental Health Research

Bernard Weiss

1–5 | <http://dx.doi.org/10.1289/ehp.1103827>

Conducting Research with Tribal Communities: Sovereignty, Ethics, and Data-Sharing Issues

Anna Harding, Barbara Harper, Dave Stone, Catherine O'Neill, Patricia Berger, Stuart Harris, Jamie Donatuto

6–10 | <http://dx.doi.org/10.1289/ehp.1103904>

REVIEWS

Risks and Benefits of Consumption of Great Lakes Fish

Mary E. Turyk, Satyendra P. Bhavsar, William Bowerman, Eric Boysen, Milton Clark, Miriam Diamond, Donna Mergler, Peter Pantazopoulos, Susan Schantz, David O. Carpenter

11–18 | <http://dx.doi.org/10.1289/ehp.1003396>

Ambient Temperature and Morbidity: A Review of Epidemiological Evidence

Xiaofang Ye, Rodney Wolff, Weiwei Yu, Pavla Vaneckova, Xiaochuan Pan, Shilu Tong

19–28 | <http://dx.doi.org/10.1289/ehp.1003198>

European Birth Cohorts for Environmental Health Research

Martine Vrijheid, Maribel Casas, Anna Bergström, Amanda Carmichael, Sylvaine Cordier, Merete Eggesbø, Esben Eller, Maria P. Fantini, Mariana F. Fernández, Ana Fernández-Somoano, Ulrike Gehring, Regina Grazuleviciene, Cynthia Hohmann, Anne M. Karvonen, Thomas Keil, Manolis Kogevinas, Gudrun Koppen, Ursula Krämer, Claudia E. Kuehni, Per Magnus, Renata Majewska, Anne-Marie Nybo Andersen, Evridiki Patelarou, Maria Skaalum Petersen, Frank H. Pierik, Kinga Polanska, Daniela Porta, Lorenzo Richiardi, Ana Cristina Santos, Rémy Slama, Radim J. Sram, Carel Thijs, Christina Tischer, Gunnar Toft, Tomáš Trnovec, Stephanie Vandentorren, Tanja G.M. Vrijkotte, Michael Wilhelm, John Wright, Mark Nieuwenhuijsen
29–37 | <http://dx.doi.org/10.1289/ehp.1103823>

RESEARCH

Circulating Levels of Persistent Organic Pollutants (POPs) and Carotid Atherosclerosis in the Elderly

P. Monica Lind, Bert van Bavel, Samira Salihovic, Lars Lind
38–43 | <http://dx.doi.org/10.1289/ehp.1103563>

Radiographic Evidence of Nonoccupational Asbestos Exposure from Processing Libby Vermiculite in Minneapolis, Minnesota

Bruce H. Alexander, Katherine K. Raleigh, Jean Johnson, Jeffrey H. Mandel, John L. Adgate, Gurumurthy Ramachandran, Rita B. Messing, Tannie Eshenaur, Allan Williams
44–49 | <http://dx.doi.org/10.1289/ehp.1103529>

Transportation Noise and Blood Pressure in a Population-Based Sample of Adults

Julia Dratva, Harish C. Phuleria, Maria Foraster, Jean-Michel Gaspoz, Dirk Keidel, Nino Künzli, L.-J. Sally Liu, Marco Pons, Elisabeth Zemp, Margaret W Gerbase, Christian Schindler
50–55 | <http://dx.doi.org/10.1289/ehp.1103448>

Exposure to Silver Nanoparticles Inhibits Selenoprotein Synthesis and the Activity of Thioredoxin Reductase

Milan Srivastava, Sanjay Singh, William T. Self
56–61 | <http://dx.doi.org/10.1289/ehp.1103928>

Benzene Metabolite 1,2,4-Benzenetriol Induces Halogenated DNA and Tyrosines Representing Halogenative Stress in the HL-60 Human Myeloid Cell Line

Takuro Nishikawa, Emiko Miyahara, Masahisa Horiuchi, Kimiko Izumo, Yasuhiro Okamoto, Yoshichika Kawai, Yoshifumi Kawano, Toru Takeuchi
62–67 | <http://dx.doi.org/10.1289/ehp.1103437>

Air Quality and Exercise-Related Health Benefits from Reduced Car Travel in the Midwestern United States

Maggie L. Grabow, Scott N. Spak, Tracey Holloway, Brian Stone, Adam C. Mednick, Jonathan A. Patz
68–76 | <http://dx.doi.org/10.1289/ehp.1103440>

The Impact of Regional Climate Change on Malaria Risk due to Greenhouse Forcing and Land-Use Changes in Tropical Africa

Volker Ermert, Andreas H. Fink, Andrew P. Morse, Heiko Paeth
77–84 | <http://dx.doi.org/10.1289/ehp.1103681>

Subchronic Pulmonary Pathology, Iron Overload, and Transcriptional Activity after Libby Amphibole Exposure in Rat Models of Cardiovascular Disease

Jonathan H. Shannahan, Abraham Nyska, Mark Cesta, Mette C.J. Schladweiler, Beena D. Vallant, William O. Ward, Andrew J. Ghio, Stephen H. Gavett, Urmila P. Kodavanti
85–91 | <http://dx.doi.org/10.1289/ehp.1103990>

Akt Activation Is Responsible for Enhanced Migratory and Invasive Behavior of Arsenic-Transformed Human Bronchial Epithelial Cells

Zhishan Wang, Junling Yang, Theresa Fisher, Hua Xiao, Yiguo Jiang, Chengfeng Yang
92–97 | <http://dx.doi.org/10.1289/ehp.1104061>

Associations of Toenail Arsenic, Cadmium, Mercury, Manganese, and Lead with Blood Pressure in the Normative Aging Study

Irina Mordukhovich, Robert O. Wright, Howard Hu, Chitra Amarasiriwardena, Andrea Baccarelli, Augusto Litonjua, David Sparrow, Pantel Vokonas, Joel Schwartz
98–104 | <http://dx.doi.org/10.1289/ehp.1002805>

A Prospective Study of Organochlorines in Adipose Tissue and Risk of Non-Hodgkin Lymphoma

Elvira Vaclavik Bräuner, Mette Sørensen, Eric Gaudreau, Alain LeBlanc, Kirsten Thorup Eriksen, Anne Tjønneland, Kim Overvad, Ole Raaschou-Nielsen
105–111 | <http://dx.doi.org/10.1289/ehp.1103573>

Complex Factors in the Etiology of Gulf War Illness: Wartime Exposures and Risk Factors in Veteran Subgroups

Lea Steele, Antonio Sastre, Mary M. Gerkovich, Mary R. Cook
112–118 | <http://dx.doi.org/10.1289/ehp.1003399>

The in Vitro Estrogenic Activities of Polyfluorinated Iodine Alkanes

Chang Wang, Thanh Wang, Wei Liu, Ting Ruan, Qunfang Zhou, Jiyan Liu, Aiqian Zhang, Bin Zhao, Guibin Jiang
119–125 | <http://dx.doi.org/10.1289/ehp.1103773>

CHILDREN'S HEALTH

Associations of Early Childhood Manganese and Lead Coexposure with Neurodevelopment

Birgit Claus Henn, Lourdes Schnaas, Adrienne S. Ettinger, Joel Schwartz, Héctor Lamadrid-Figueroa, Mauricio Hernández-Avila, Chitra Amarasiriwardena, Howard Hu, David C. Bellinger, Robert O. Wright, Martha María Téllez-Rojo
126–131 | <http://dx.doi.org/10.1289/ehp.1003300>

Traffic-Related Air Toxics and Term Low Birth Weight in Los Angeles County, California

Michelle Wilhelm, Jo Kay Ghosh, Jason Su, Myles Cockburn, Michael Jerrett, Beate Ritz
132–138 | <http://dx.doi.org/10.1289/ehp.1103408>

Solar UV Doses of Young Americans and Vitamin D3 Production

Dianne Eyvonn Godar, Stanley James Pope, William Burgess Grant, Michael Francis Holick
139–143 | <http://dx.doi.org/10.1289/ehp.1003195>

Prenatal Exposure to Residential Air Pollution and Infant Mental Development: Modulation by Antioxidants and Detoxification Factors

Mònica Guxens, Inmaculada Aguilera, Ferran Ballester, Marisa Estarlich, Ana Fernández-Somoano, Aitana Lertxundi, Nerea Lertxundi, Michelle A. Mendez, Adonina Tardón, Martine Vrijheid, Jordi Sunyer
144–149 | <http://dx.doi.org/10.1289/ehp.1103469>

Air Pollution Exposure During Pregnancy, Ultrasound Measures of Fetal Growth, and Adverse Birth Outcomes: A Prospective Cohort Study

Edith H. van den Hooven, Frank H. Pierik, Yvonne de Kluizenaar, Sten P. Willemsen, Albert Hofman, Sjoerd W. van Ratingen, Peter Y.J. Zandveld, Johan P. Mackenbach, Eric A.P. Steegers, Henk M.E. Miedema, Vincent W.V. Jaddoe
150–156 | <http://dx.doi.org/10.1289/ehp.1003316>

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