

10ma Reunión Cumbre del Consejo de Cambios Climáticos de Puerto Rico

Impactos de los cambios climáticos en la salud

Pablo Méndez Lázaro PhD

Universidad de Puerto Rico-Recinto de Ciencias Médicas

Escuela Graduada de Salud Pública

Departamento de Salud Ambiental

pablo.mendez1@upr.edu

Junio 28 de 2019

Article
Application of Artificial Neural Networks for Dengue Fever Outbreak Predictions in the Northwest Coast of Yucatan, Mexico and San Juan, Puerto Rico

Abdiel E. Laureano-Rosario ^{1,*}, Andrew P. Duncan ², Pablo A. Mendez-Lazaro ³, Julian E. Garcia-Rejon ⁴, Salvador Gomez-Carro ⁵, Jose Farfan-Ale ⁴, Dragan A. Savic ² and Frank E. Muller-Karger ¹

Int J Biometeorol
 DOI 10.1007/s00484-017-1319-z

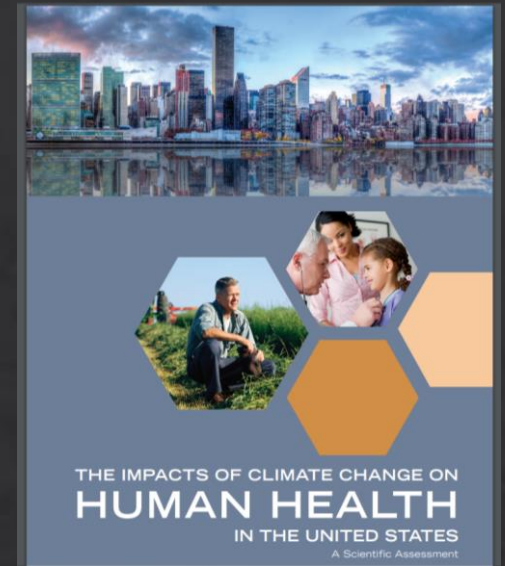
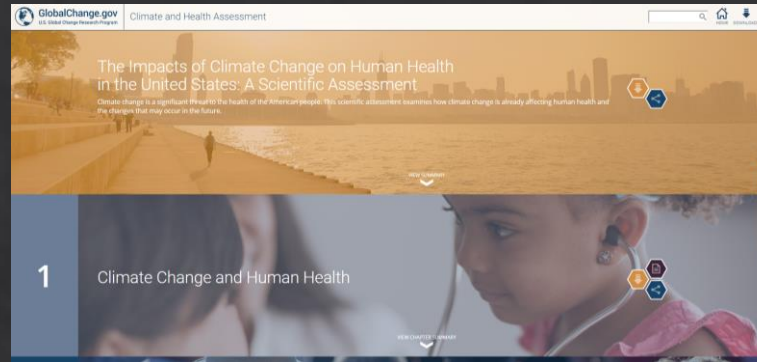
SPECIAL ISSUE: LATIN AMERICA/CARIBBEAN

A heat vulnerability index to improve urban public health management in San Juan, Puerto Rico

Pablo Méndez-Lázaro ¹ · Frank E. Muller-Karger ² · Daniel Otis ² · Matthew J. McCarthy ² · Ernesto Rodríguez ³

The 2018 report of the Lancet Countdown on health and climate change: shaping the health of nations for centuries to come

Nick Watts, Markus Amann, Nigel Arnell, Sonja Ayeb-Karlsson, Kristine Belesova, Helen Berry, Timothy Bouley, Maxwell Boykoff, Peter Byass, Wenjia Cai, Diarmid Campbell-Lendrum, Jonathan Chambers, Meaghan Daly, Niheer Dasandi, Michael Davies, Anneliese Depoux, Paula Dominguez-Salas, Paul Drummond, Kristie L Ebi, Paul Ekins, Lucia Fernandez Montoya, Helen Fischer, Lucien Georgeson, Della Grace, Hilary Graham, Ian Hamilton, Stella Hartinger, Jeremy Hess, Ilan Kelman, Gregor Kiesewetter, Tord Kjellstrom, Dominic Kniveton, Bruno Lemke, Lu Liang, Melissa Lott, Rachel Lowe, Maquins Odhiambo Sewe, Jaime Martinez-Urtaza, Mark Maslin, Lucy McAllister, Slova Jankin Mikhaylov, James Milner, Maziar Moradi-Lakeh, Karyn Morrissey, Kris Murray, Maria Nilsson, Tara Neville, Tadj Oreszczyn, Fereidoon Owfi, Olivia Peerman, David Pencheon, Steve Pye, Mahnaz Rabbaniha, Elizabeth Robinson, Joacim Rocklöv, Olivia Saxon, Stefanie Schütte, Jan C Semenza, Joy Shumake-Guillemot, Rebecca Steinbach, Meisam Tabatabaei, Julia Tomei, Joaquin Trinanes, Nicola Wheeler, Paul Wilkinson, Peng Gong, Hugh Montgomery*, Anthony Costello*



Wetlands
 https://doi.org/10.1007/s13157-017-0990-5

LANDSCAPE APPROACHES TO WETLAND MANAGEMENT

Linking Wetland Ecosystem Services to Vector-borne Disease: Dengue Fever in the San Juan Bay Estuary, Puerto Rico

Rebeca de Jesús Crespo ¹ · Pablo Méndez Lázaro ² · Susan H. Yee ³

Int J Biometeorol
 DOI 10.1007/s00484-016-1291-z

LATIN AMERICA/CARIBBEAN

Climate change, heat, and mortality in the tropical urban area of San Juan, Puerto Rico

Pablo A. Méndez-Lázaro ¹ · Cynthia M. Pérez-Cardona ² · Ernesto Rodríguez ³ · Odalys Martínez ³ · Mariela Taboas ¹ · Arelis Bocanegra ¹ · Rafael Méndez-Tejeda ⁴

The imperative of climate action to protect human health in Europe



EASAC policy report 38

June 2019

ISBN: 978-3-8047-4011-2

This report can be found at www.easac.eu

Science Advice for the Benefit of Europe

Int. J. Environ. Res. Public Health **2014**, *11*, 9409-9428; doi:10.3390/ijerph110909409

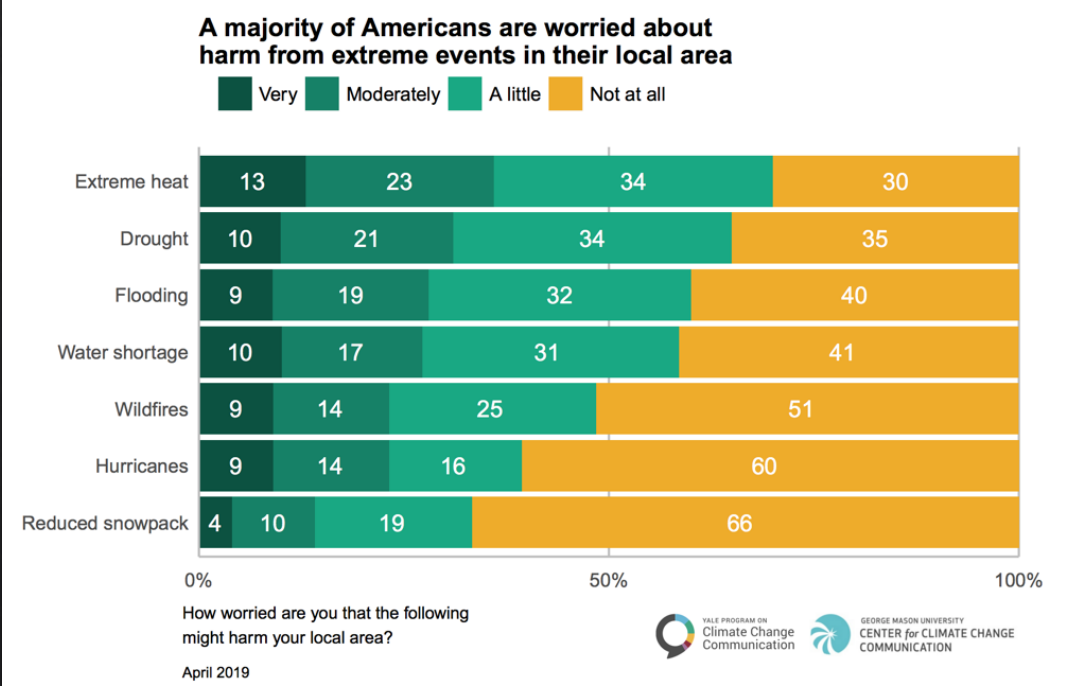
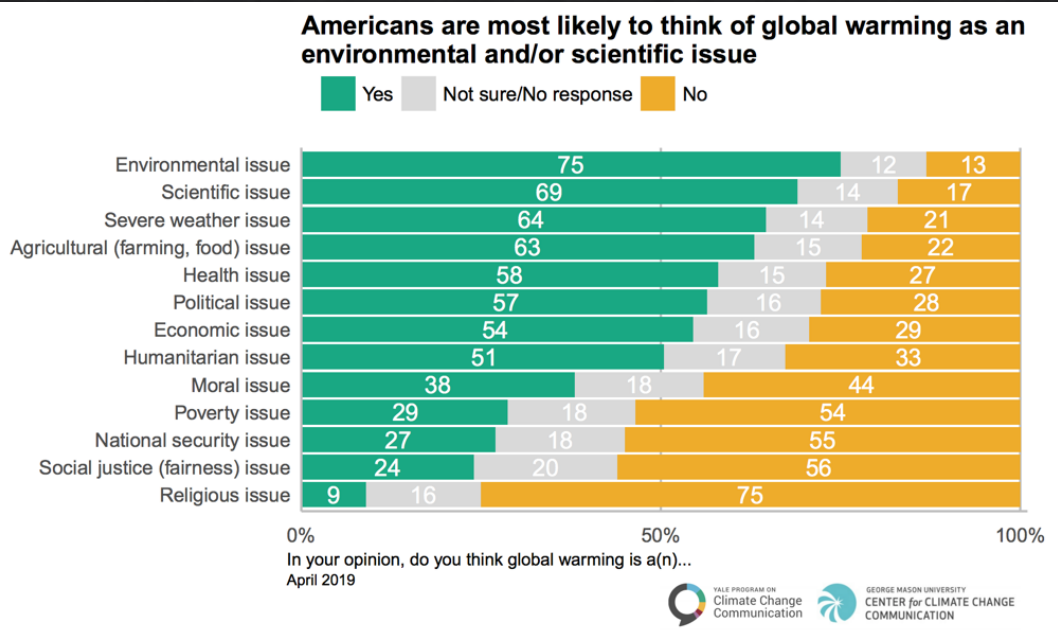
OPEN ACCESS

International Journal of
 Environmental Research and
 Public Health
 ISSN 1660-4601
www.mdpi.com/journal/ijerph

Article
Assessing Climate Variability Effects on Dengue Incidence in San Juan, Puerto Rico

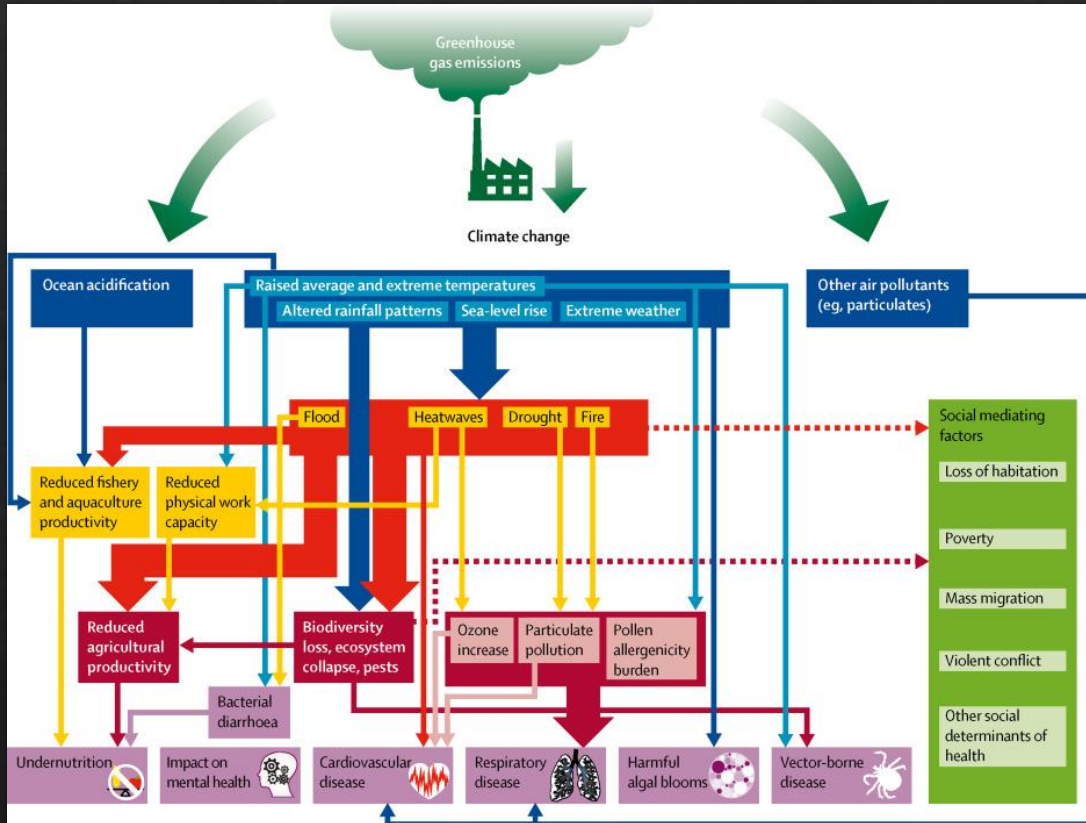
Pablo Méndez-Lázaro ^{1,*}, Frank E. Muller-Karger ², Daniel Otis ², Matthew J. McCarthy ² and Marisol Peña-Orellana ³

Climate Change in the American Mind: April 2019

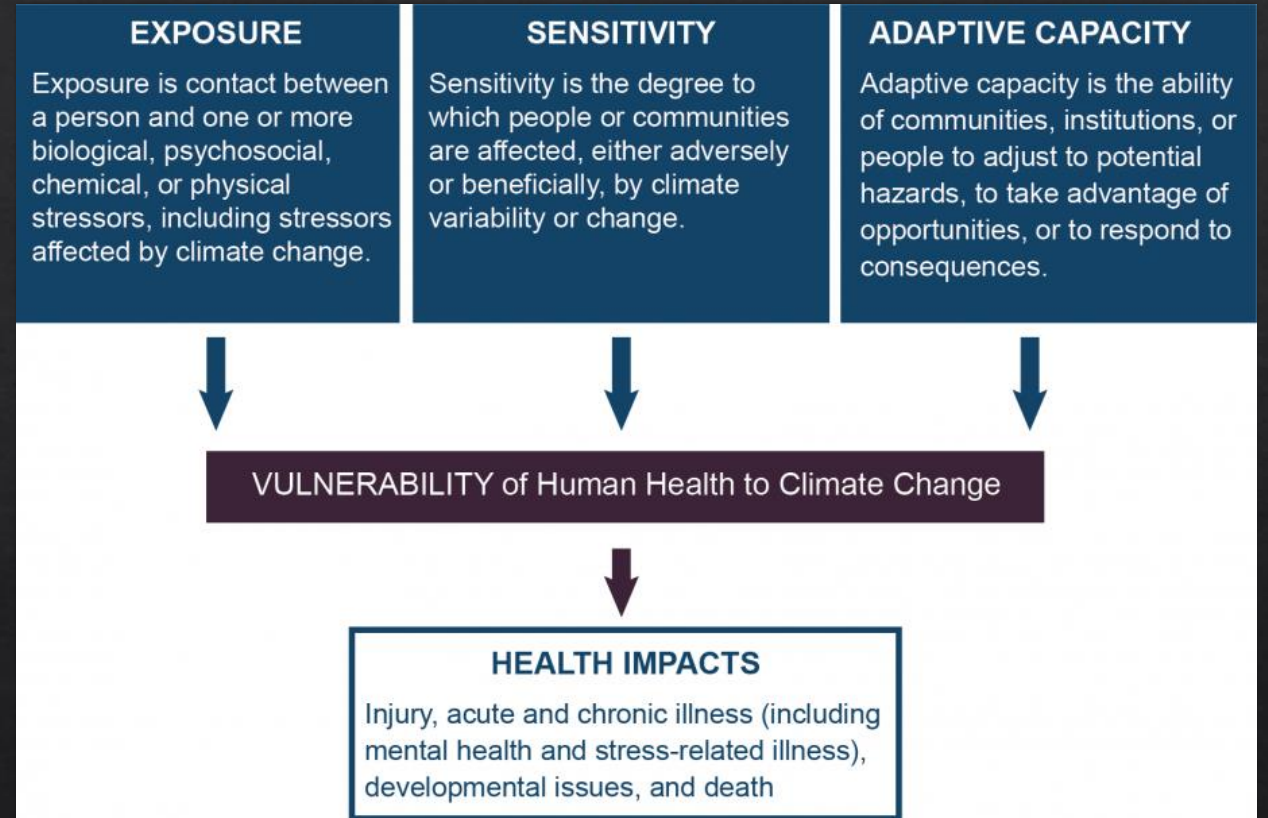


Impactos de los cambios climáticos en la salud

Informes Técnico-Científicos

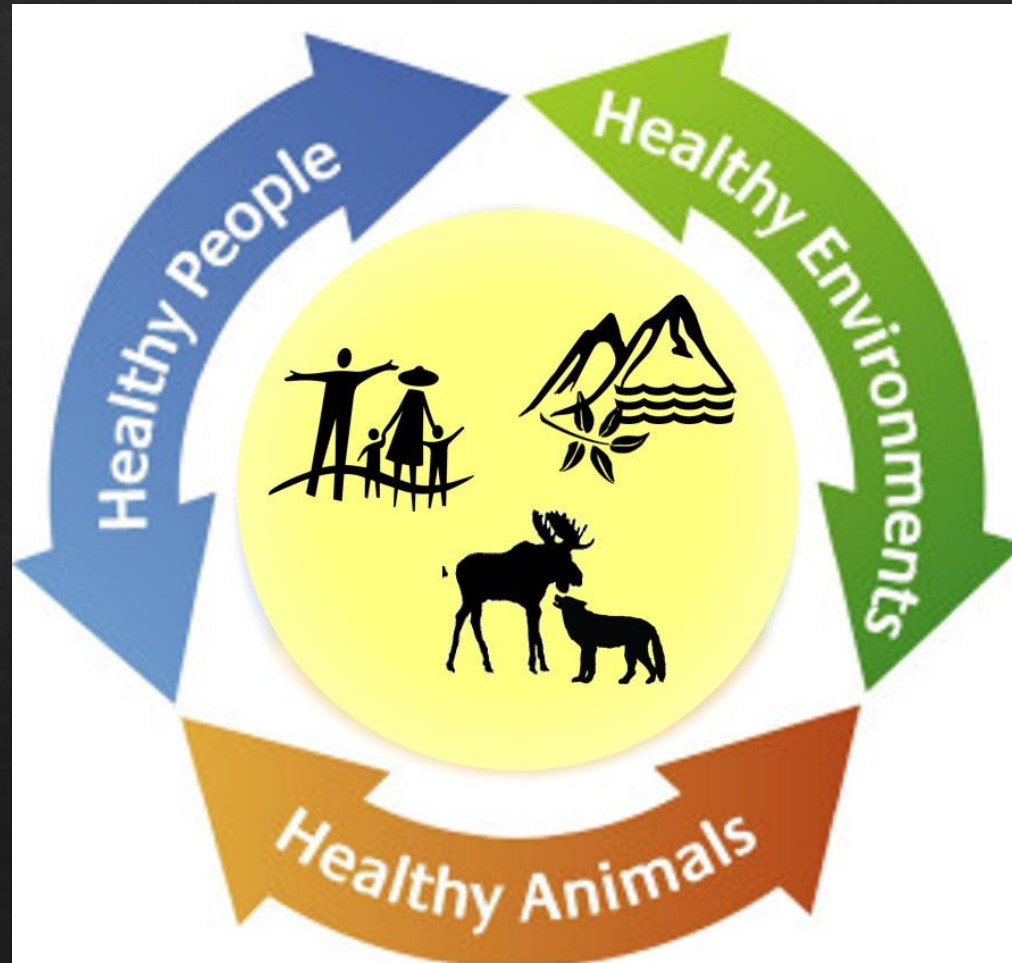


The 2018 report of the Lancet Countdown on health and climate change: shaping the health of nations for centuries to come



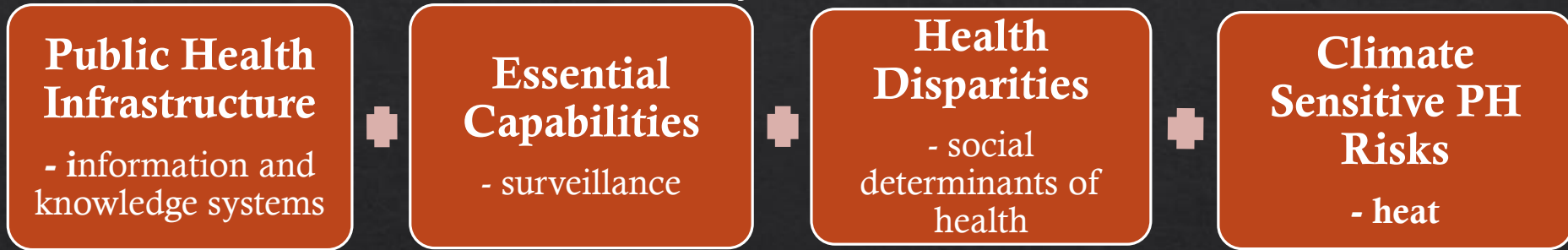
The Impacts of Climate Change on Human Health in the United States: A Scientific Assessment

One Health Approach

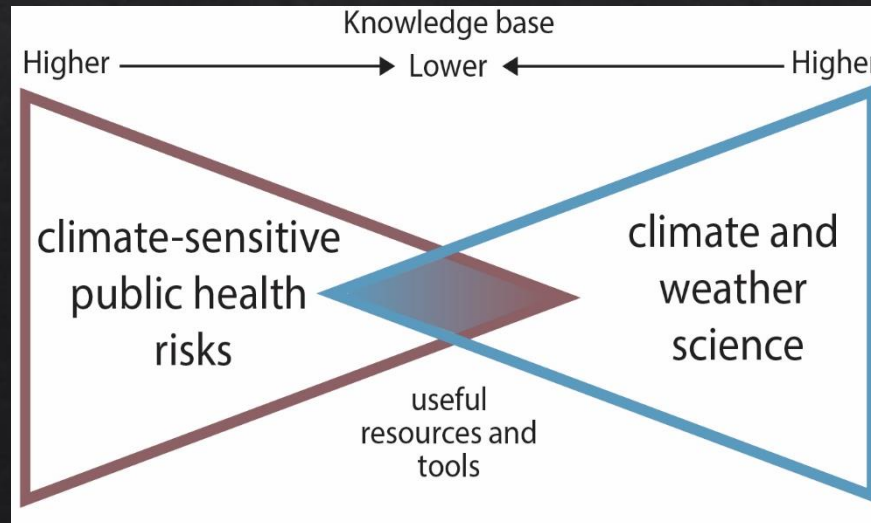




Health Vulnerability to Weather and Climate



↓
→
Opportunity



→
Tools or products for decision-making

Proyectos en curso:

- ◆ NASA--Early Warning of Synoptic **Air Quality** Events to Improve Health and Well Being in the Greater Caribbean Region
- ◆ NIH--Impact of **Hurricane-Related Stressors** and Responses on Oncology Care and Health Outcomes of Women with Gynecologic Cancers from Puerto Rico and US Virgin Islands
- ◆ NOAA: Building Public Health Resilience to Severe Weather in a **Changing Climate**
- ◆ NSF--Urban Resilience to **Extreme Weather** Events-SRN

Gracias por su atención: Preguntas de discusión

- ◇ How significant of a problem is heat to public health in PR? Why do you think it is or is not significant?
- ◇ How do you envision One Health approach can help lead climate and health adaptation in PR?
- ◇ Do you think the public sees heat as a problem? Why or why not?
- ◇ Where do you get your information on climate change and health?
- ◇ What role do you see climate change and public health playing in today's education?
- ◇ Are there any health related training topics that you are interested in learning about?
- ◇ What types of information do you rely upon from Climate and Health?