Sixth Annual “One Medicine” Symposium

Earth, Wind, & Fire: A One Medicine Approach to Climate Change

December 10-11, 2008
Sheraton Imperial Hotel and Convention Center
Durham, North Carolina

A conference for physicians; nurses; veterinarians; veterinary technicians; public health, agriculture, wildlife, and environmental professionals; and federal, military, state, and local disaster responders.

For the last five years, the North Carolina Department of Health and Human Services and the North Carolina Department of Agriculture and Consumer Services have hosted the annual One Medicine Symposium to educate and provide attendees with take-home tools that will improve and enhance preparedness for a natural or man-made disaster or infectious disease outbreak.

The theme of the 2008 symposium, “Earth, Wind, and Fire: A One Medicine Approach to Climate Change,” focuses on the effects of climate change on agriculture, public health, and animal health. This year’s agenda includes environmental challenges that encourage human and animal health professionals to come together to explore key questions so we can improve awareness and understanding of issues benefiting from a One Medicine approach.

Conference Objectives- at the conclusion of this activity, participants should be able to:

- Describe the impacts of climate change on human and animal health.
- Discuss solutions and preventive measures to respond to possible health consequences of climate change.
- Discuss the effects of extreme weather on public health, animal health, and agriculture including national, regional, and local examples.
- Highlight the “One Medicine” approach of close cooperation between human and veterinary medicine for a rapid and effective response to terrorism, disease, and natural disasters.

Sponsored by:
2008 One Medicine Symposium
Agenda for Day 1, December 10th

7:00-8:30
Registration

8:30-9:00
Welcome and Opening Remarks
Steve Cline, DDS, MPH, Deputy State Health Director, NC Department of Health and Human Services
Steve Troxler, Commissioner, NC Department of Agriculture and Consumer Services

9:00-10:00
Environmental Health in a Changing World
• One Medicine and Climate Change
  Mike McGeehin, PhD, MSPH, Centers for Disease Control and Prevention

10:00-10:45
The Science of Climate Change
• Observed trends in climate in the United States
  David Easterling, PhD, National Oceanic and Atmospheric Administration

10:45-11:15
Break

11:15-12:00
Recreational Water: The Risks, the Effects, and the Public Health Interventions
• Water Quality and Infectious Disease Concerns
  Michael Beach, PhD, Centers for Disease Control and Prevention

12:00-1:00
Lunch: provided

1:00-2:00
Harmful Algal Blooms: Effects in North Carolina Past, Present, and Future
• Consequences for marine ecosystems, animals, and humans
  Pat Tester, PhD, National Oceanic and Atmospheric Administration

Deborah Fauquier, DVM, MPVM, Mote Marine Laboratory

2:00-2:45
Extreme Weather and Heat Related Events
• Unable to attribute a single weather event to climate change
• Natural disasters and health concerns
• Heat waves
  George Luber, PhD, Centers for Disease Control and Prevention

2:45-3:15
Break

3:15-3:45
Iowa’s Recent Flooding Tragedy
• Response
• Animal health concerns leading to public health concerns
• Lessons learned
  David Schmitt, DVM, Iowa Department of Agriculture and Land Stewardship

3:45-5:15
Panel Highlighting the Issues and Lessons Learned from the 2007 Drought
• Multiple agencies provide North Carolina and regional perspectives
  Ryan Boyles, PhD, State Climate Office of NC, NC State University
  Julie Casani, MD, MPH, NC Department of Health and Human Services
  Dana Cole, DVM, Dipl. ACVIM, PhD, Georgia Department of Human Resources
  Debbie Hamrick, NC Farm Bureau Federation
  Doug Hoell, NC Department of Crime Control and Public Safety
  Matt Poore, PhD, NC Cooperative Extension Service, NC State University
  Robin Smith, NC Department of Environment and Natural Resources
  Moderator: Blake Brown, PhD, College of Agriculture & Life Sciences, NC State University

5:30-7:30
Symposium Social and Scientific Poster Session
For information about presenting relevant research, activities, or programs during the scientific poster session please contact Kristen Peele at kristen.peele@ncagr.gov or 919-807-4361.

To Register

Visit www.onemedicinenc.org or call 919.966.4032

The conference registration fee is $75. Limited registrations available.

Continuing education credits will be offered for various professionals based on 12.25 hours of instruction. If you have any questions regarding CE credit, please contact Melanie Green at 919.843.9259 or msgreen@email.unc.edu.
8:30-8:45
Welcome and Opening Remarks
Warwick Arden, DVM, Dean, College of Veterinary Medicine, NC State University
David Potenziani, PhD, Senior Associate Dean, University of North Carolina Gillings School of Global Public Health

8:45-9:30
Engaging Stakeholders: How to Communicate Effectively About Climate Change
Ed Maibach, MPH, PhD, Center for Climate Change Communication, George Mason University

9:30-10:15
Climate Change and Vectorborne Diseases in the United States
• Climate change is only part of the story
Ken Gage, PhD, Centers for Disease Control and Prevention

10:15-10:30
Break

10:30-11:15
Effects of Climate Change on Wildlife Health: Implications for Conservation, Domestic Animals, and Human Health
• Mechanisms: favored pathogens, increased host susceptibility
• Conservation problems arising from wildlife health disruption
• Implications for livestock and human health: potential for disease emergence and expansion
Pablo Beldomenico, DVM, MPVM, PhD, Global Health Programs, Wildlife Conservation Society

11:15-12:00
Potential Climate Change Impacts on United States Crop Yields, Impacts on Food Animals, and Implications for the Southeast
Michael Roberts, PhD, College of Agriculture & Life Sciences, NC State University

1:00-1:45
Animal Welfare and Human Welfare Concerns
• Welfare issues lead to human health issues
• Implications for feed price increases
Jimmy Tickel, DVM, NC Department of Agriculture and Consumer Services

1:45-2:30
The Connection between Mental Health and Climate Change
• Understanding the concerns and addressing the issues
• Mental health consequences of natural disasters and other adverse conditions
Carol North, MD, MPE, North Texas VA Health Care System, Dallas, Texas; University of Texas Southwestern Medical Center at Dallas

2:30-3:00
Break

3:00-3:45
Climate Change, Air Quality, and Respiratory Health
• Pollen, storms, and wildfires
Katherine Shea, MD, MPH, University of North Carolina Gillings School of Global Public Health

3:45-4:30
Surveillance During Natural Disasters and Applications for Climate-Change Related Health Monitoring
• Building an integrated biosurveillance capacity for human and animal health
Aaron Fleischauer, PhD, MPH, Centers for Disease Control and Prevention; NC Department of Health and Human Services

Hotel Information
If you need overnight accommodations, the Sheraton Imperial has a limited number of rooms reserved.

When making reservations, please ask for the One Medicine rate of $95. Please make your reservations by November 18 to receive the conference rate.

Sheraton Imperial Hotel
4700 Emperor Blvd. Durham, NC 27713
I-40 exit 282 (Page Road)
919.941.5050 or 800.325.3535
One Medicine Symposium Registration
December 10-11, 2008

First name: ____________________________ Last name: ____________________________

Name of agency: ____________________________ Job title/position: ____________________________

Type of agency:

☐ Armed Forces ☐ Agriculture
☐ County/State Public Health Department ☐ Emergency Management
☐ Educational / Research / AHEC ☐ Federal Government Agency
☐ Hospital / Medical Practice / Nursing Home ☐ Veterinarian (private practice)
☐ Other Government Agency ☐ Wildlife

Occupation: ____________________________ Address: ____________________________

City: ____________________________ Daytime phone: (___) ____________
State: ____________ Zip: ____________ Evening phone: (___) ____________

E-mail: ____________________________ Fax: (___) ____________

Gender: ____________ Please provide ONE of the following: (For internal record-keeping only)

Birthdate: ____________ Social Security Number: ____________

How did you hear about this program?

☐ Brochure ☐ Catalog ☐ Colleague
☐ E-mail from the Office of Continuing Education ☐ E-mail from another source ☐ Website
☐ Other (please specify): ____________________________

Are you a student, faculty member, or staff member at UNC-Chapel Hill? ☐ Yes ☐ No

Are you a graduate of the UNC-Chapel Hill Gillings School of Global Public Health? ☐ Yes ☐ No

To pay by check or money order, mail this form and your payment of $75 made payable to NCIPH to: Registrar, Office of Continuing Education
UNC Campus Box 8165
Chapel Hill, NC 27599-8165

Or fax this form to 919-966-5692

To pay by credit card, please call 919-966-4032.
Limited registrations available.

Continuing Medical Education Information

CME Credit: Wake AHEC designates this educational activity for a maximum of 12.25 AMA PRA Category 1 Credits™. Physicians should claim credit commensurate with the extent of their participation in the activity.

AAPA Credit: AAPA accepts certificates of participation for educational activities certified for Category 1 credit from AAfCME. Prescribed credit from AAFP and AMA PRA Category 1 Credits™ from organizations accredited by ACCME or a recognized state medical society. Physician Assistants may receive a maximum of 12.25 hours of Category 1 credit for completing this program,

Accreditation Statement: WAKE AHEC is accredited by the North Carolina Medical Society to provide continuing medical education for physicians.

Disclosure: WAKE AHEC adheres to ACCME Essential Areas and policies regarding industry support of continuing medical education. Commercial support for the program and faculty relationships within the industry will be disclosed at the activity. Speakers will also state when off-label or experimental drugs or devices are incorporated in their presentations.