

# Environmental Health Programming that Inspires and Excites

Monday, October 7, 2019 | 1:00-2:00 pm EASTERN



# Agenda

**1 Learning Objectives & Introductions**

**2 Framing the Session**

**3 Perspective from CEPH**

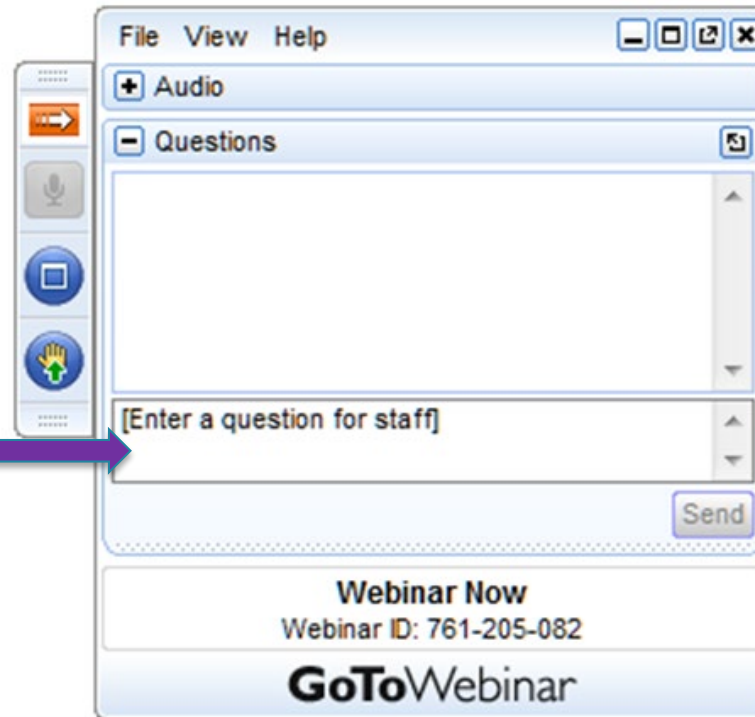
**4 Two Exemplars**

**5 Roundtable Speaker Chat +  
Discussion with the Audience**

# Method for Submitting Questions/Comments

## Join the Conversation...

- You can ask questions in writing anytime during the webinar.
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WEBINAR

# Learning Objectives

- Describe a One Health approach to teaching environmental health
- Describe a climate-oriented approach to teaching environmental health



# Featuring



**Moderator**  
*David T. Dyjack, Dr.PH, CIH*  
Executive Director, National  
Environmental Health Association



**Presenter**  
*Mollie Mulvanity, MPH, CAE*  
Deputy Director  
Council on Education for Public Health



# Featuring



## **Presenter**

*Marisa Bunning, PhD*

Professor and Extension Specialist  
Food Safety, Food Science and Human Nutrition,  
Colorado State University Colorado School of  
Public Health



## **Presenter**

*Jeffrey Shaman, PhD*

Professor, Department of Environmental Health Sciences  
Director, Climate and Health Program  
Columbia University Mailman School of Public Health



# Moderator's Framing Remarks



**David T. Dyjack, Dr.PH, CIH**  
Executive Director  
National Environmental Health Association







# Presenter #1



**Mollie Mulvanity, MPH, CAE**

Deputy Director

Council on Education for Public Health



*Council on Education for Public Health*



# Degree Programs in Flux





## Degrees Added!

BSPH env health (2)

DPHSEH

DrPH env & occ health (3)

MA disaster mgmt

MHS One Health

MPH One Health (2)

MPH env health: One Health

MPH env systems & human health

MPH global health & env

MPH health, safety, & environment

MS climate & health

MS env health sciences

MS toxicology

MSPH toxicity testing & human health

risk assess of env agents

PhD env health

PhD env health sciences: brain,  
behavior and the env

PhD env health sciences: env  
toxicology

## Degrees Changed

MPH in env & occ health is now MPH global health & biosecurity

DrPH in env & occ health is now PhD env & planetary health sciences

MPH occ safety & health



# NEHA's Definition of an Environmental Health Professional or Specialist

- Investigate, sample, measure, and assess hazardous environmental agents in various environmental media and settings;
- Recommend and apply protective interventions that control hazards to health;
- Develop, promote, and enforce guidelines, policies, laws, and regulations;
- Develop and provide health communications and educational materials;
- Manage and lead environmental health units within organizations;
- Perform systems analysis;
- Engage community members to understand, address, and resolve problems;
- Review construction and land use plans and make recommendations;
- Interpret research utilizing science and evidence to understand the relationship between health and environment; and
- Interpret data and prepare technical summaries and reports.



# Major Goals for Revised Criteria

- Ensure quality of public health education
- Increase flexibility and opportunities for innovation
- Simplify and reduce the reporting burden





# Presenter #2



**Marisa Bunning, PhD**

Professor and Extension Specialist

Food Safety, Food Science and Human Nutrition

Colorado State University Colorado School of Public Health



The concentration in Animals, People, & the Environment supports the One Health concept of collaboration across disciplines for the health of humans, animals, and the world in which we live.



Disciplinary support  
exists on and off  
campus



School of Veterinary Medicine



College of Natural Resources



College of Health &  
Human Sciences



College of Agriculture



CDC Division of  
Vector-Borne Diseases



USDA Animal & Plant Health  
Inspection Service



USDA National  
Wildlife Research Center

# APE Concentration Electives Represent a Wide Range of Disciplines

- Agriculture
- Animal Sciences
- Environmental Health
- EH Occupational Health
- Epidemiology
- Food Science & Human Nutrition
- Food Technology
- Microbiology
- Natural Resources
- Political Science
- Psychology
- Sociology
- Veterinary Medicine

# Environmental Health is an Integral Part of APE Core Competencies

- **Analyze** how social, political and cultural differences can impact public perceptions about how human, environment and animal interactions affect public health, social well-being and environmental health
- **Identify** ways in which agricultural and human incursion positively and adversely impact environmental and ecological health, and develop methods of minimizing negative impacts
- **Analyze** issues regarding awareness and communication that impact optimal collaboration between human, animal, and environmental health professionals





Practicum and capstone project helps enrich gorilla and human health



Guidance for Schoolyard Poultry Programs

A few examples of APE projects



Evaluating transmission and environmental contamination of H7N9 influenza virus



Thank a Farmer Video: Bridging the Gap between Public Health and Agriculture

# MPH & MPH/DVM Graduates from APE

- ***Environmental Specialist*** with Colorado Dept. of Health & Environment
- ***Swine Program Director*** with the National Wildlife Research Center
- ***Project Manager*** for Global Mapping and Strategic Outreach at CSU
- ***Public Health Officer*** with the U.S. Air Force
- ***Senior Environmental Health Specialist*** with City of Aspen
- ***Medical Entomologist and Zoonoses Epidemiologist*** with CDPHE
- ***Biologist*** with CDC Vector-Borne Diseases Branch
- ***Data Visualization and Policy Analyst*** with the Colorado Health Institute



# Presenter #4



**Jeffrey Shaman, PhD**

Professor, Department of Environmental Health Sciences,  
Director, Climate and Health Program,  
Columbia University Mailman School of Public Health

# Roundtable Chat Facilitated by Our Moderator



Dr. David Dyjack, *Moderator*



Ms. Mollie Mulvanity, *Speaker*



Dr. Marisa Bunning, *Speaker*



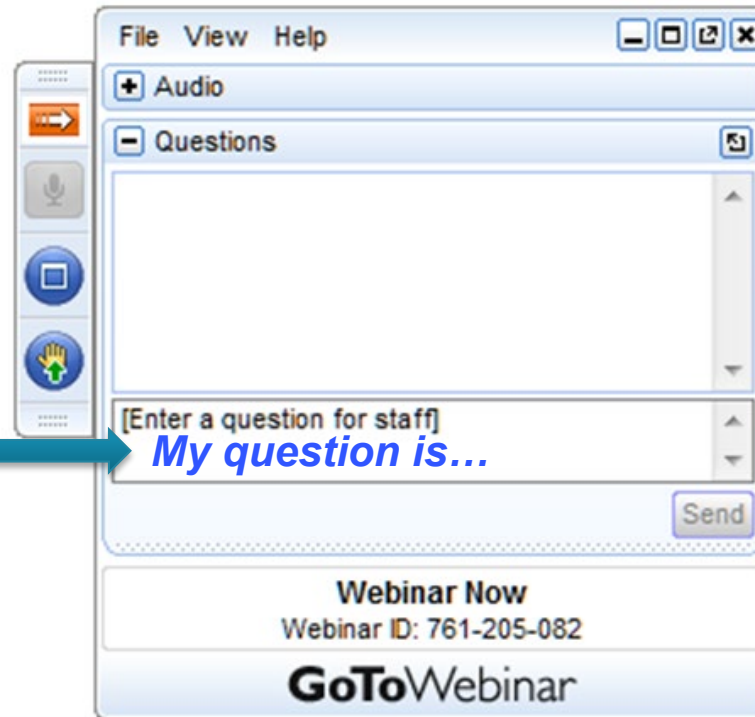
Dr. Jeffrey Shaman, *Speaker*



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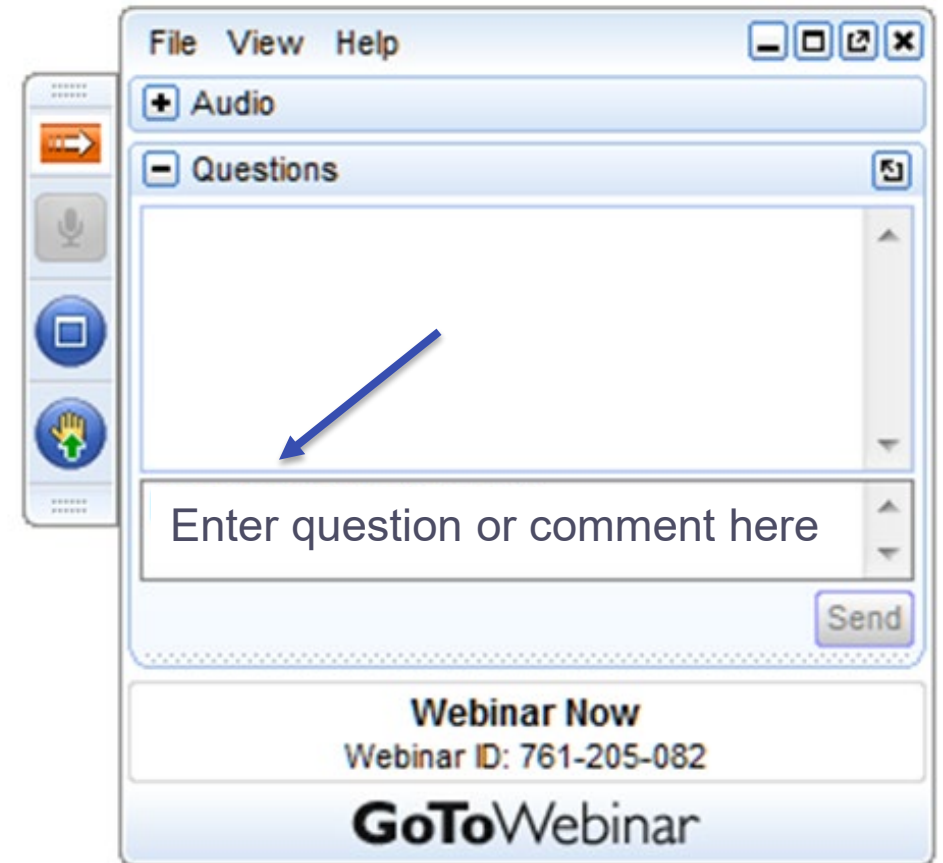
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# Something to Say?



# Upcoming Webinars

## ASPPH Presents WEBINAR

**Managing Compliance Challenges Involving Global Collaborators**

Friday October 11 @ 2:00 pm - 3:00 pm ET

**400 Years of Inequality – A Public Health Perspective to Eliminate  
Racial Disparities**

Wednesday October 16 @ 11:00 am - 12:00 pm ET

<https://www.aspph.org/event/>

# Coming Attractions

2020 ASPPH  
**ANNUAL MEETING**

**MARCH  
18-20**

<https://www.aspph.org/event/2020ugphsummit/>

**UNDERGRADUATE**  
Public Health and Global Health Education  
..... **SUMMIT** .....

**MARCH  
20**

<https://www.aspph.org/event/2020annualmeeting/>

# Appreciation to Today's Speakers!



Dr. David Dyjack



Ms. Mollie Mulvanity



Dr. Marisa Bunning



Dr. Jeffrey Shaman

# Thank You Attendees!

This webinar has been recorded and will be available on the webinar event page on the ASPPH website soon:

<https://www.aspph.org/event/aspph-presents-webinar-environmental-health-programming-that-inspires-and-excites/>

Contact: [bbrickman@aspph.org](mailto:bbrickman@aspph.org)

