

**NSF - NIH Oceans and Human Health Program Virtual Meeting 2020**  
**Woods Hole Oceanographic Institution, Woods Hole, MA**  
**“OHH - Successes and Challenges in a Changing World”**  
**Monday, October 26, 2020**

11:00 am EDT: **Welcome comments**

John Stegeman and Dennis McGillicuddy, Woods Hole COHH  
Hedy Edmonds - NSF  
Fred Tyson - NIEHS  
Rick Murray - WHOI

11:15–11:20: Meeting logistics

11:20–11:40: **History of Centers and Impact**

John Stegeman, Lora Fleming and Paul Sandifer

11:40–1:00 pm: **Center highlights and major successes**

Highlights emphasize “Successes, challenges and going forward”.

- Great Lakes COHH (35 minutes + 5 minutes questions)  
George Bullerjahn
- S. Carolina COHH (35+5)  
Geoff Scott

1:00–1:15: **“Lobby” break**

1:15: **Continue Center Highlights**

- Caribbean COHH (35+5)  
Mike Parsons, Deana Erder, Mindy Richlen, Alison Robertson, Rob Sobol and Jennifer Pierce
- Woods Hole COHH (35+5)  
Mike Brosnahan, Suzi Clark, Neel Aluru and Mindy Richlen

2:35–2:50: **“Lobby” break**

2:50: **Continue Highlights**

- R01 Highlights (40+5)  
Dave Marcinek, Brad Moore, Amro Hamdoun, Anwar Huq
- European Perspective (15+5)  
Lora Fleming

3:55 pm: **Summary of day – plan for tomorrow.**

4:00: Adjourn for the day

## Tuesday, October 27, 2020

11:00 am EDT: Welcome and plans for the day, charge to breakout groups:  
New challenges, opportunities, and ways to confront them - 10 year outlook

11:00 Breakout sessions

NB: Planning / work on breakout topics is proceeding in advance of meeting.  
Intention is for all breakout sessions to generate content that may be incorporated into the papers developing on focused papers and major challenges for OHH in a changing world.

11:00–1:30: Breakout sessions 1, 2, 3, 4, 5, concurrently.

**Group 1.** HABs in the freshwater/marine continuum: biology, ecology, and dynamics.

**Group 2.** Ecosystem and health effects of toxins and toxicants (xenobiotics)

**Group 3.** Public Health: Dealing with risks and enhancing involvement

**Group 4.** HABs in the freshwater/marine continuum: detection, monitoring, and management implications

**Group 5.** Vibrios and other pathogens in a changing world

(There is a 2.5 hr. allotment for the breakout groups. Breaks can be taken as needed in each group.)

1:30–1:45: **All Break**

*(At 1:30 the morning Zoom will end. All will need to join Poster Session Zoom during the break.)*

The next generation: Presentations by trainees

1:45–2:30 Speed talks by students and others (12 speed talks) **(plenary talks)**  
Chair, Kate Hubbard

2:30–3:30 Virtual poster interaction session  
Individual breakout rooms for selected poster presentations to allow more in-depth discussions (12 posters)

Please note: All posters are available for viewing at any time, on the poster website.  
<https://www2.who.edu/site/whcohh/posters/> (Password protected)

3:30: Adjourn for the day.

## Wednesday, October 28, 2020

11:00 am – 1:10 pm: 1) Additional breakout discussion - up to an hour - for completing work from Tuesday, and cross – group connections

2) Reports from the breakout groups

Reporting should summarize the discussion and ways to go forward including plans for papers. Joint CEC efforts and paper will also be described.

Order for reporting:

**Group 1.** HABs in the continuum: *biology, ecology, and dynamics*

**Group 4.** HABs in the continuum: *detection, monitoring, and management*

**Group 2.** Ecosystem and health effects of toxins and toxicants (xenobiotics)

**Group 5.** Vibrios and other pathogens in a changing world

**Group 3.** Public Health: Dealing with risks and enhancing involvement

**CEC Update:** Community Engagement Core joint efforts and paper

1:10–1:25: **Break**

1:30: The Big Picture: Global Intersection of Water and Environmental Health

- Rick Woychik, Director, NIEHS
- Peter de Menocal, Director, WHOI

2:00 – 3:00: Future of US and global OHH: A Panel discussion;

Moderator, Rita Colwell

Panelists: Paul Sandifer, Lora Fleming, Peter Hill, Lorrie Backer

### **Suggested Topics:**

- OHH networks – How to help on the global scale; Linking US and EU (Funding and structure)
- A new NAS report, e.g., “From Monsoons to Microbes – 25 years on”?
- Congressional engagement
- OHH component of UN Decade of Ocean Science

3:00 – 3:30: **Wrap-up**

- Summary of meeting
- Plans for 2021
- Final comments by Hedy Edmonds and Fred Tyson

3:30: **Adjourn and Farewell.**

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\*A separate discussion on Congressional Action, with Center Directors and Peter Hill and others, may follow the virtual meeting.

**Products of the meeting: Multiple papers and target journals**

1. Oceans and Human Health Program: history and impact. What led to the program? What have the Centers accomplished? How have the COHH helped the direction of research? Have they made a difference? **For EHP?**

**Focused papers:** Future challenges in a changing world.

2. HAB issues emerging: **For EHP? (One paper or two?)**
3. Pathogens topics: **Journal TBD**
4. Toxins and toxicants: **Journal TBD**
5. Involving the health communities: (An additional paper or add to the outline already developed?) **Journal TBD**