

AGENDA

Board of Scientific Counselors Homeland Security Subcommittee Virtual Meeting

May 17 – 20, 2021

Day One – May 17

12:00 - 12:10	Introduction and FACA rules Welcome and Opening Remarks Introduction of BOSC HS Subcommittee Members	Tom Tracy, Designated Federal Officer Paula Olsiewski, BOSC Homeland Security (HS) Subcommittee Chair
12:10 - 12:25	ORD Welcome – 10 min CESER Welcome – 5 min	Jennifer Orme-Zavaleta, PhD ORD Principal Deputy Assistant Administrator for Science Chris Frey, PhD ORD DAA for Science Policy Greg Sayles, Director Center for Environmental Solutions and Emergency Response (CESER)
12:25 - 12:50	Homeland Security Research Program Overview	Shawn Ryan, HS National Program Director Sang Don Lee, HS Principal Assoc. NPD
12:50 - 13:10	CQ1: Overview of Sampling and Analysis Research <i>Additional Resource: Sampling & Analysis Webpage</i>	Sarah Taft, CESER
13:10 – 13:20	Break (10 min)	
Lightning session for Characterization		
13:20 - 14:45	1-Environmental Sampling & Analytical Methods Program (ESAM) Video (Play YouTube Video by host) - 8 min <i>Additional Resources: ESAM Webpage, ESAM Webinar</i>	Kathy Hall, CESER
	2-Trade-Off Tool for Sampling (PI screen share Demo) - 15 min	Tim Boe, CESER
	3-Development of Sampling and Analysis Methods for Outdoor Environments (Video in slide) - 8 min	Worth Calfee, CESER

	<i>Additional Resource:</i> B. anthracis Story	
	4-Resuspension of <i>B. anthracis</i> Surrogates on Underground Subway Surfaces - 8 min	John Archer, CESER
	5-Development of Activity-Based Aggressive-Air Contained Sampling System - 8 min	John Archer, CESER
	6-Bio-Agent Analytical Methods Development - 8 min	Sanjiv Shah, CESER
	7-Bio-Sampling Training Simulator (PI screen share Video) - 15 min <i>Additional Resources:</i> Virtual Reality Story , Virtual Reality Webinar	Tim Boe, CESER
	8-Fentanyl Sampling and Analysis - 8 min	Stuart Willison, CESER
	9-Innovative Sampling Methods for HS Chemicals (Video in slide) - 8 min	Lukas Oudejans, CESER
14:45 - 14:55	Break (10 min)	
14:55 – 15:10	10-Sampling and Analysis Plan Resources - 5 min	Erin Silvestri, CESER
	11-Data Visualization/Management (PI screen share Demo) - 10 min	Timothy Boe, CESER
15:10 – 15:50	Partners Round Table	Larry Kaelin, EPA Office of Emergency Management (OEM) Leroy Mickelsen, EPA OEM Jim Mitchell, EPA Region 5
15:50 – 16:00	Break (10 min)	
16:00 – 17:00	Additional Q&A, Discussion, and Subcommittee Worktime	

Day Two – May 18

13:00 - 13:15	CQ2: Overview of Wide Area Decontamination Research <i>Additional Resource:</i> Wide-area Remediation Webpage	Lance Brooks, CESER
Lightning session for Decontamination		
13:15 – 13:45	<u>Biological Decontamination</u> 1- Soil Decontamination for Non-spore agents -10 min 2- Material compatibility of Sporicides Neutralization of Ricin Toxin - 10 min 3- Personnel Decontamination Systems - 10 min <i>Additional Resource:</i> Ricin Webinar	Worth Calfee, CESER Joe Wood, CESER John Archer, CESER
13:45 – 14:10	<u>Chemical Decontamination</u> 4- Personnel Chemical Decontamination Line Options for the Responder – 5 min 5- Surface Decontamination Methods for Pesticides – 5 min	John Archer, CESER Lukas Oudejans, CESER

	6- Decontamination of persistent Chemical Warfare Agents & DeconST (PI screen share for demo) – 15 min <i>Additional Resources:</i> Pesticide Story , CWA Webinar , Fentanyl Story , DeconST Webinar	
14:10 – 14:40	<u>Radiological Decontamination</u> 5- Integrated Wash-down, Treatment, and Emergency Reuse System (IWATERS) - 10 min 6- Roofing Material Decontamination - 10 min 7- Integrated Rad Remediation Decision Support - 10 min	Matthew Magnuson, CESER Kathy Hall, CESER Tim Boe, CESER
Break (15 min)		
14:40 – 15:10	8- Stormwater & Washdown Research -15 min (PI screen share for videos) 9- Supporting CBRN Cleanup Decisions -15 min (PI screen share for demo)	Anne Mikelonis, CESER Tim Boe, CESER
15:10 – 15:50	Partners Round Table	Mark Durno, Region 5 Jason Musante, Region 9 Scott Hudson, EPA OEM
15:50 – 16:00	Break (10 min)	
16:00 – 17:00	Additional Q&A, Discussion, and Subcommittee Worktime	

Day Three – May 19

13:00 - 13:20	CQ3: Overview of Waste Management Research <i>Additional Resource:</i> Waste Management Webpage	Emily Snyder, CESER
Lightning session for Waste Management		
13:20 – 14:20	1-Configured Fireside Simulator – <i>Simulations for Treatment of Biologically and Chemically Contaminated Waste</i> - 10 min 2-Biological Waste Treatment: <i>A Scalable Approach- AnCOR</i> - 10 min 3-Carcass Management: <i>Assessment of Methods to Support Outbreaks of Foreign Animal Disease (ASFv example)</i> - 10 min 4-Demo of Waste Staging and Logistics Tools - 20 min (PI screen share for demo) 5-Social Considerations of Disaster Waste Management - 10 min <i>Additional Resources:</i> I-WASTE Webinar , Waste Tools Story	Paul Lemieux, CESER Paul Lemieux Paul Lemieux Tim Boe, CESER Keely Maxwell, CESER
14:20 – 15:00	Partners Round Table	Alan G. Woodard, Ph.D., NY Dept. of Environmental Conservation Catherine Young, EPA Region 1

		Gary Flory, VA Dept. of Environmental Quality Kim M. Kirkland, EPA Office of Land and Emergency Management
15:00 – 15:10	Break (10 min)	
15:10 – 16:00	Additional Q&A, Discussion, and Subcommittee Worktime	

Day Four – May 20

12:00 – 12:15	CQ4: Overview of HSRP Systems and Resilience Tools	Sang Don Lee, HS Principal Assoc.
Lightning session for Systems and Resilience Tools		
12:15 - 13:00	<u>Systems Tools</u> 1-Simulation for Evaluating Decision Making Following a Large-Scale Incident (Video in slide) - 10 min 2-Evaluating the Use of Commercial-off-the-shelf (COTS) Three-dimensional (3D) Engines (Video in slide) - 10 min 3-Tool Integration/Dashboard - 10 min 4-Remediation Data Repository (PI screen share Demo) - 15 min	Tim Boe, CESER
13:00 – 13:30	<u>Resilience Tools</u> 5-Social science of decontamination & environmental cleanups - 10 min 6-Environmental Resilience Tools Wizard (PI screen share Demo) - 10 min 7-Equitable Resilience Builder - 10 min	Keely Maxwell, CESER
13:30 – 13:45	Break (15 min)	
13:45 – 14:25	Analysis for Coastal Operational Resiliency (AnCOR) Field Study with Partners (Videos in slide) <i>Additional Resources:</i> AnCOR Webpage , AnCOR Story	Shannon Serre, EPA OEM Worth Calfee, CESER
14:25 – 14:45	Operational Testing and Evaluation of Chemical Remediation Activities (OTECRA) Field Study with Partners	Larry Kaelin, EPA OEM Lukas Oudejans, CESER
14:45 – 15:05	Managing Research during Emerging Challenges <i>Additional Resource:</i> COVID-19 Research Webpage	Shawn Ryan, HS National Program Director Sang Don Lee, HS Principal Assoc.
15:05 – 15:20	Break (15 min)	
15:20 – 16:00	Questions and Answers; Final Remarks	
16:00 - 17:00	Subcommittee Worktime	