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Disclaimer



Welcome

Welcome to the Contaminated Sediments Webinar Series

Session 1: Site Characterization

Creating a framework to build upon for future actions

Sponsored by: EPA Office of Research and Development (ORD)

Live Webinar: Monday, October 21, 2019, 1:00 PM-2:30 PM EST (18:00-20:30 GMT)

Speakers:

- Todd Bridges, U.S. Army Corps of Engineers (todd.s.bridges@usace.army.mil)
- Matt Neal & Marvin Heskett, Element Environmental (mneal@e2hi.com; mheskett@e2hi.com)
- Rainer Lohmann, University of Rhode Island (rlohmann@uri.edu)

Moderators:

- Jim Rice, ICF (james.rice@icf.com)
- Jean Balent, U.S. EPA Technology Innovation and Field Services Division (balent.jean@epa.gov)



Webinar Overview

Welcome to the Contaminated Sediments Webinar Series

Session 1	October 21	Site Characterization	
Session 2	October 30	Risk Assessment	
Session 3	November 13	Innovative & Established Remediation Technologies	
Session 4	November 20	Long-term monitoring	

About the Series

This virtual workshop series will provide interactive discussions between subject matter experts and workshop participants. Each virtual session will feature brief topic introductions by panelists followed by facilitated panelist/participant discussions which will include opportunities for questions and answers, brainstorming, identification of concerns and research needs.

Webinar Objectives

- Describe the latest conceptual approaches to each technical area
- Offer methodologies and tools, and case study illustrations that address each of these concepts
- Solicit participant input to how these approaches can be revised to produce better, faster and cheaper outcomes



Webinar Overview

What are your challenges in dealing with contaminant sediment sites?

Use the blank space at the bottom of your screen to enter a word or short phrase.

You can click on the "+1" button if you want to agree with someone else's response

The responses will be ranked by popularity (# of respondents selecting this choice)



Webinar Overview

Why “dig in” to Contaminated Sediments?

Contaminated sediments present unique challenges

- Multiple sources
- Difficult to control
- Large diffuse areas
- Dynamic conditions
- Higher remediation costs
- Unique resources are contained in the sediment/surface water ecosystem

Systematic and coordinated efforts are needed to address contaminated sediments effectively

- Robust CSMs build a strong framework for future actions
- Current and relevant toxicological information inform risk assessments
- Strategically defined cleanup goals and effective remedial actions
- Accurate and efficient monitoring to measure and optimize remedy effectiveness



Today's Topic: Site Characterization

Selection of appropriate models and estimating the level of efforts for modeling

- U.S. Army Engineer Research and Development Center, Modeling Team
- Todd Bridges, Paul Schroeder, Earl Hayter, Don Hayes, Joe Gailani

Use of Incremental Sampling Methodology at Sediment Sites

- Matt Neal and Marvin Heskett, Element Environmental

Passive sampling methods – uses and limitations

- Dr. Rainer Lohman, University of Rhode Island