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Welcome

Welcome to the CLU-IN Internet Seminar

Contaminated Sediments Virtual Workshop Session 3 – Innovative & Established Remediation Technologies

Sponsored by: US EPA Office of Research and Development (ORD)'s Office of Science Policy

Delivered: November 13, 2019, 1:00 PM - 3:00 PM, EST (17:00-19:00 GMT)

Instructors:

- Chris Eckley, EPA Region 10
- Keegan Roberts, CDM Smith
- Upal Ghosh, University of Maryland
- Kevin Sowers, University of Maryland

Moderator:

- James Rice, ICF
- Jean M Balent, US EPA Office of Superfund Remediation and Technology Innovation

Webinar Overview

Welcome to the Contaminated Sediments Virtual Workshop Series

Session 1	October 21	Site Characterization (recording available)
Session 2	October 30	Risk Assessment (recording available)
Session 3	November 13	Innovative & Established Remediation Technologies
Session 4	November 20	Long-term Monitoring

Today!

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 and 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, 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 technologies have proven challenging at your contaminated sediment sites?

Why have they been challenging?

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).

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

Webinar Overview

Today's Topic: Innovative & Established Remediation Technologies

Remediating Mercury-contaminated Sediment Sites

- Chris Eckley, EPA Region 10

Criteria for Sediment Remediation Technology Selection (excavation, capping, etc.)

- Keegan Roberts, CDM Smith

Using Reactive Caps for Dissolved and NAPL Contaminants

- Upal Ghosh, University of Maryland

PCB Dechlorination and Degradation with Bioamended GAC

- Kevin Sowers, University of Maryland