New Year, New CLU-IN!

Sponsored by:

USEPA, OSWER, OSRTI, Technology Innovation Program

January 2009

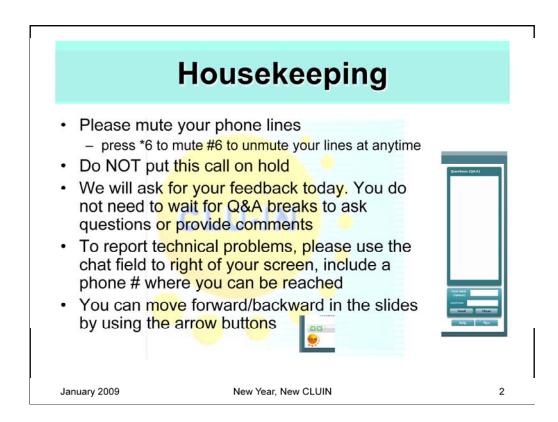
New Year, New CLUIN

1

Welcome to today's internet seminar, What's New with CLU-IN? Highlights and Future Directions". Hopefully everyone is starting on slide 1, our title slide. My name is Jean Balent. I'm an environmental scientist here at the Environmental Protection Agency's Technology Innovation Program. I will serve as both the moderator and primary speaker for today's session. Joining as well as are several other members of TIP. We are also joined by our technical support from Pete Riddle of EMS Inc. who serves as the primary contractor for CLU-IN.

I want to thank you all in advance for your participation and feedback during today's seminar.

Let's move onto slide 2 to cover some basic housekeeping.



Although I'm sure that some of you have these rules memorized from previous CLU-IN events, let's run through them quickly for our new participants.

Please mute your phone lines during the seminar to minimize disruption and background noise. If you do not have a mute button, press *6 to mute #6 to unmute your lines at anytime. Also, please do NOT put this call on hold as this may bring delightful, but unwanted background music over the lines and interupt the seminar.

You should note that throughout the seminar, we will ask for your feedback. You do not need to wait for Q&A breaks to ask questions or provide comments. To submit comments/questions and report technical problems, please use the ? Icon at the top of your screen. You can move forward/backward in the slides by using the single arrow buttons (left moves back 1 slide, right moves advances 1 slide). The double arrowed buttons will take you to 1st and last slides respectively. You may also advance to any slide using the numbered links that appear on the left side of your screen. The button with a house icon will take you back to main seminar page which displays our agenda, speaker information, links to the slides and additional resources. Lastly, the button with a computer disc can be used to download and save today's presentation materials.

With that, please move to slide 3.

Presentation Overview

- CLU-IN History
- CLU-IN
 Structure/Tour
- What is CLU-IN?
- Updates to CLU-IN
- Feedback
- Future Efforts

Today's Speakers will include Technology Innovation Program Staff and CLU-IN support contractors



Jean M. Balent Environmental Scientist 703-603-9924 balent.jean@epa.gov



Michael Adam Environmental Scientist 703-603-9915 adam.michael@epa.gov

January 2009

New Year, New CLUIN

3

In today's seminar we will cover a few topics. First, I'll provide a brief explanation of the motivations behind today's seminar, along with an overview of the clu-in website and its relationship to the EPA's Technology Innovation Program for those who are new to the website and our services. Next I will highlight recent updates to clu-in with a break to discuss users' opinions of these changes. We'll then take a sneak peak at a few planned updates to the site, pausing of course to hear what you think of these ideas. We will then move onto a similar review of the existing clu-in internet seminar platform (that's what we are using today) and talk about our vision for future seminars. Finally we'll take a few moments to hear additional comments and wrap things up.

Most importantly, there will be a series of very specific questions on changes to cluin and our internet seminar platforms included in the feedback form at the very end of our talk. Please take a few moments to complete this form as this information is one of primary reasons for hosting today's seminar.

Lets move to the next slide.

CLU-IN Overview

- Hazardous Waste Clean-Up Information (CLU-IN) – source for hazardous waste site characterization and remediation information www.clu-in.org
- EPA content on CLU-IN is mirrored on the EPA.gov website at www.epa.gov/tio
- To date, CLU-IN has seen 6.8 million visitors, averaging almost 4,000 visits a day

January 2009

New Year, New CLUIN

.

The Hazardous Waste Clean-Up Information (CLU-IN) Web Site provides information about innovative treatment and site characterization technologies to the hazardous waste remediation community. It describes programs, organizations, publications, and other tools for federal and state personnel, consulting engineers, technology developers and vendors, remediation contractors, researchers, community groups, and individual citizens like you. clu-in is provided by the EPA's Technology Innovation Program (aka Technology Innovation and Field Services Division, formerly known as the Technology Innovation Office). Let me end the alphabet soup there and simply state that TIP is part of the Superfund Program.

By hosting clu-in as an outside website, TIP has had the power to share a wide variety of information from many sources with the public. We do also work to maintain an EPA presence by mirroring all EPA content from clu-in off the EPA's public website.

To give you an idea of clu-in's popularity, as of April 2007, 3.2 million visitors have been to clu-in, averaging 2,000 visits a day.

Please move to slide 6

CLU-IN's History

- Bulletin Board System (1987)
- •CLU-IN Web Site Launched (1996)
- •TechDirect Information Service Launched (1997)
- Streaming Videos (1998)
- •Vendor and Developer Support (2001) (1998)
- Internet Seminars (1999)
- Online Databases (1999)
- Technology Focus (1999)

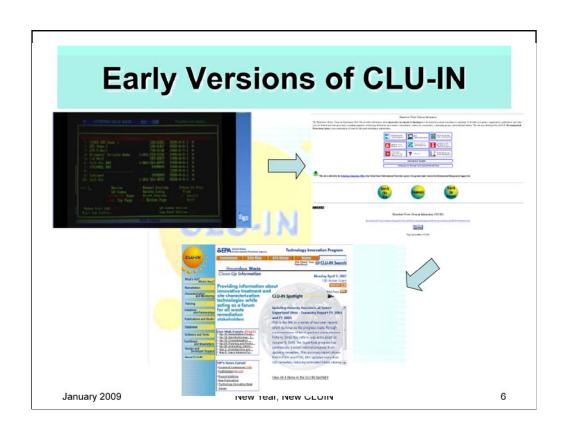
CLU-IN has grown quite a bit in the past 12 years!

- Conference Webcasts (2000)
- •Field Analytic Technologies Encyclopedia (2001)
- •Technology Innovation News Survey Archives (2002)
- •Contaminant Focus (2003)
- Upgraded CLU-IN Search Engine (2004)
- Project Profile Databases Search (2005)
- •RSS Feed (2005)
- Internet Seminar Archive Podcasts (2005)
- ·Issue Areas (2006)

January 2009 New Year, New CLUIN 5

The origin of CLU-IN reach back to an early electronic Bulletin Board System. The CLU-IN web site was launched in 1996, and was operated in parallel with the CLU-IN BBS between 1996 and 1999. In 1999, The CLU-IN BBS was discontinued to better serve the growing CLU-IN web site user community. Some major CLU-IN events such as the start of TechDirect and Internet Seminars began this same year. Some of the more recent changes listed on this slide such as the addition of RSS and Podcast feeds will be discussed in today's seminar.

Please move to the next slide.





CLU-IN (New) Structure

Technologies

Characterization and Monitoring

Contaminants

Arsenic

Chromium VI

Dense Nonaqueous Phase Liquids (DNAPLs)

1,4-Dioxane Dioxins

Mercury

Methyl Tertiary Butyl Ether (MTBE)

Perchlorate

Persistent Organic Pollutants (POPs)

Polychlorinated Biphenyls(PCBs) Trichloroethylene (TCE)

Issues

Brownfields

Triad: A Smarter Solution to Site Cleanup

Green Remediation Ecological Land Reuse

Mining Sites Nanotechnology

Sediments Vapor Intrusion

Wood Treater Sites

Strategies & Initiatives

Federal Remediation Technologies Roundtable

Triad: A Smarter Solution to Site Cleanup

State Coalition for Remediation of Drycleaners

Green Remediation

Measurement and Monitoring Technologies for the 21st Century (21M2)

Remediation Process Optimization Long-Term Monitoring Optimization Technical and Technology Support

Services Vendors & Developers

Market Analysis

Business Planning and Funding Research & Development Demonstration & Testing Permitting & Regulatory Assistance

Commercialization & Contracts

Vendor Information

Training & Events

Upcoming Internet Seminars Archived Internet Seminars &

The Training Exchange (Trainex) Upcoming Courses and Conferences

Additional Resources

Recent Additions

Popular Additions

Upcoming Live Web Events Archived Internet Seminars & Podcasts

News Feed (RSS)

TechDirect and Newsletters

Upcoming Courses and Conferences

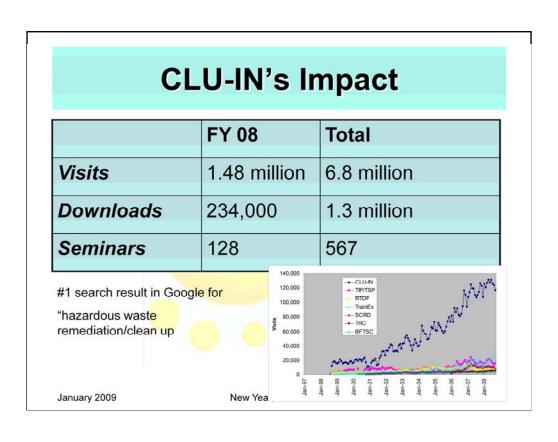
Documents

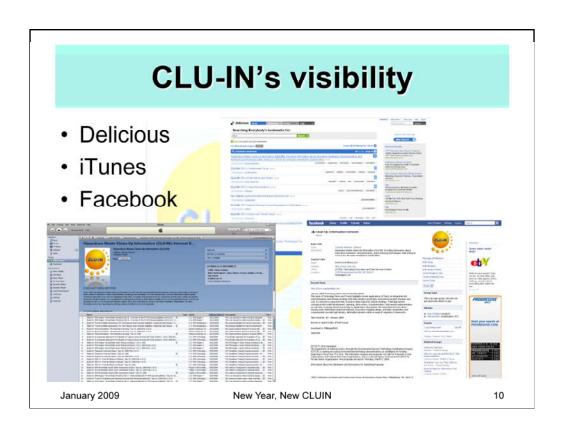
Databases

Software and Tools

January 2009

New Year, New CLUIN





CLU-IN is... an information resource

- · 664 Publications and other resources
- 18 Databases & almost 14,000 Case Studies, Profiles, and other Reports
- 14 Software Programs
- 29 Videos





CLU-IN is... training

- Free online technical training and conference webcasts (<u>www.cluin.org/training</u>)
- Seminars are recorded and viewing archived for later
- 185,000+ Archive/Podcast downloads in FY 08

	FY 08	Total
Seminars	128	567
Participants	17,000+	86,000+

Examples of Recent Seminars:

- •A Systematic Approach for Evaluation of Capture Zones at Pump and Treat Systems
- •Using High-resolution Piezocone to Determine Hydraulic Parameters and Mass Flux Distribution
- •Sustainable Practices, Brownfields Prevention Challenge 1: South Suburban Mayors and Managers(SSMMA), IL

January 2009 New Year, New CLUIN

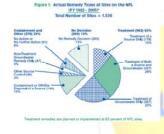
CLU-IN is ... news for professionals

- Four email/paper newsletters available (<u>http://clu-in.org/newsletters/</u>)
 - TechDirect: 31,951 Subscribers
 - Technology News and Trends: 8,634 Subscribers
 - Technology Innovation News Survey: 5,531
 Subscribers
 - Federal Business Opportunities: 3,311 Subscribers
- RSS News Feed (http://www.clu-in.org/rss/) for immediate updates

January 2009

New Year, New CLUIN

CLU-IN is ... a pulse for trends



This same of Technology News and Tendo highlights somewaive approaches for addressing continuous and authorise state. Elements of these approaches technical continuous deviations for large was or governable to the continuous deviations for freezing the superior of positival technical, adapting a result and layor for expert to withinstand hards may fast and admirples conditions, new models to produce a resignational result imports on our perfect are subject to the product and positive result of the subject to the product and admirples of the subject to the product and admirately and the subject to the product and the subject to the product and the subject to the subject to

Innovative Dredging Technology Accelerates Remov of Residual Contamination in Ashtabula River

Clins (CLIACC) and fine some fines by most fines by most fines to the statistical Cay For Androws, single optin fine that and training optin fine fines and Chine, the CLI S. Amor Chine of Elizaber and Chine, the CLI S. Amor Chine of Elizaber and Collector and the state of the collector and the collector and the collector and the collector containing and emphasized as the collector containing and private first fine and collector containing and private first fine and collector containing and private first fine and collector containing and collector fines first fine and collector fines first fine and collector fine and collector fines and collector fine and collector fines and col

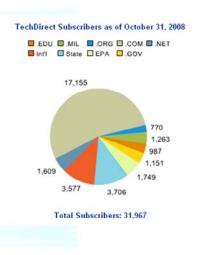
January 2009

- TechDirect and Technology News and Trends
- Issue Areas for emerging problems
- Annual Status Report surveys technologies and trends at SF sites
- ITRC, NIEHS, & SBRP, ESTCP/SERDP Internet Seminars disseminate info on important issues and new research

New Year, New CLUIN

CLU-IN is ... a connection

- Brings together regulators, educators, students, consultant, site owners, community stakeholders from around the world
- Crosses programs: Superfund, Brownfields, RCRA, State Voluntary Clean Up, Federal Facilities
- ITRC, NIEHS, SBRP, OBCR, FRTR and others are supported with outreach and information delivery mechanisms



What's New with CLU-IN?

- Additional information resources
- Slides added to Podcast
- Improved seminar interface and audio
- Increased seminar participant capacity
- More seminar series technology focused
- Updates to look and feel of CLU-IN
- Improved organization



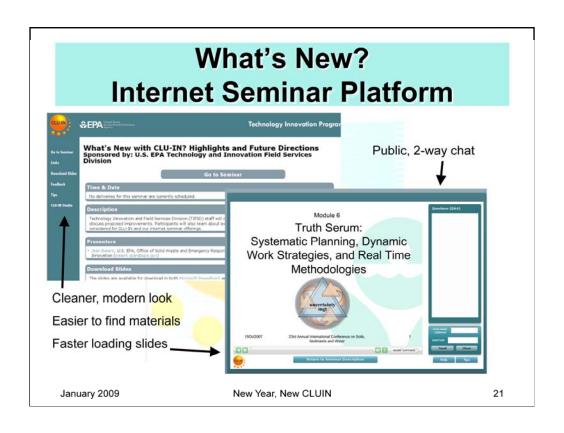


What's New? Slides with Podcast

- Direct links to download slides are included in Podcast
- Easy access to audio and powerpoint from iTunes or other Podcast services







What's New? Internet Seminar Platform

- Plan to increase participant capacity throughout 2009
- Participants still move through slides on their own to keep them engaged in session
- Names can be removed for anonymous question submission

January 2009

New Year, New CLUIN

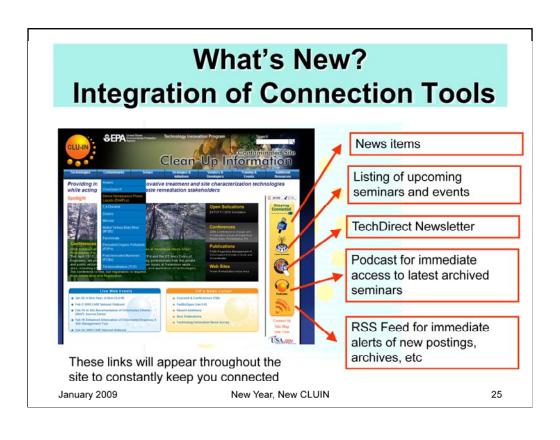
What's New? Focused Themes

 Throughout 2009, CLU-IN will offer themes to highlight resources, training, and information for particular technologies and issues

Green Remediation
Triad

Conceptual Site Models
Site Data Management
Membrane Interface Probes (MIP)







Your feedback is important!

- We rely heavily on visitor feedback to focus our efforts!
 - Submit Feedback at end of today's event
- Use the "Contact Us" link
- Send an email to balent.jean@epa.gov or adam.michael@epa.gov

January 2009

New Year, New CLUIN

Future Efforts

- What would you like to see from CLU-IN in the future?
 - Technology Vendor Discussions
 - Commenting and rating tools for documents and resources
 - More live events with experts
- How can it be more useful to you as a resource?

January 2009

New Year, New CLUIN

