

**What's New with CLU-IN?
Highlights and Future
Directions**

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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.

Housekeeping

Wednesday April 4, 2007
144 Active Users

- Please mute your phone lines
 - press *6 to mute #6 to unmute your lines at anytime
- Do NOT put this call on hold
- We will ask for your feedback today. You do not need to wait for Q&A breaks to ask questions or provide comments
- To report technical problems, please use the ? Icon at the top of your screen
- You can move forward/backward in the slides by using the arrow buttons

View Resources and Suggestion Box

View All 8 Items in the CLU-IN Spotlight

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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 interrupt 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.

Overview

Wednesday April 4, 2007
144 Active Users
RSS Feed

- Motivation
- CLU-IN Overview and TIP
- Recent Updates to CLU-IN
- Future Directions for CLU-IN
- Review of Internet Seminars on CLU-IN
- Future Directions for Internet Seminars
- Comments and Wrap-up
- Feedback Form & Additional Resources

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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 CLUIN 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 CLUIN 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 CLUIN 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.

Motivation

Wednesday April 4, 2007

- TIP goal: keep CLU-IN as one of the leading sources for hazardous waste characterization and clean-up information
- Further meet the needs of CLU-IN users (that's YOU!)
- Objectives for today:
 - **Inform CLU-IN users of recent updates and get feedback on these changes**
 - **Discuss future changes to website**
 - **Cover options for improving internet seminar platform deliveries**

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During today's session we hope to inform you of recent updates to the site and listen to your comments on these changes. Very often we make modifications and have limited ways to know if you our users have found it helpful. In prior discussions with some of our other users about changes we learned that many people were unaware of the changes and wanted to see seminars about the website itself. We hope that today's session will help us close that feedback gap. As we cover future changes to the website and our seminars we want to ensure to focus our efforts in ways that will meet your needs to help us stay on the leading edge of clean-up information.

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CLU-IN Overview

- Hazardous Waste **Clean-Up Information** (CLU-IN) – source for hazardous waste site characterization and remediation information
- EPA content on CLU-IN is mirrored on the EPA.gov website at www.epa.gov/tio
- To date, CLU-IN has seen 3.2 million visitors, averaging almost 2,000 visits a day

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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. CLUIN 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 CLUIN 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 CLUIN off the EPA's public website.

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

Please move to slide 6

CLU-IN & TIP

Wednesday April 4, 2007

TIP is part of EPA's Office of Superfund Remediation and Technology Innovation.

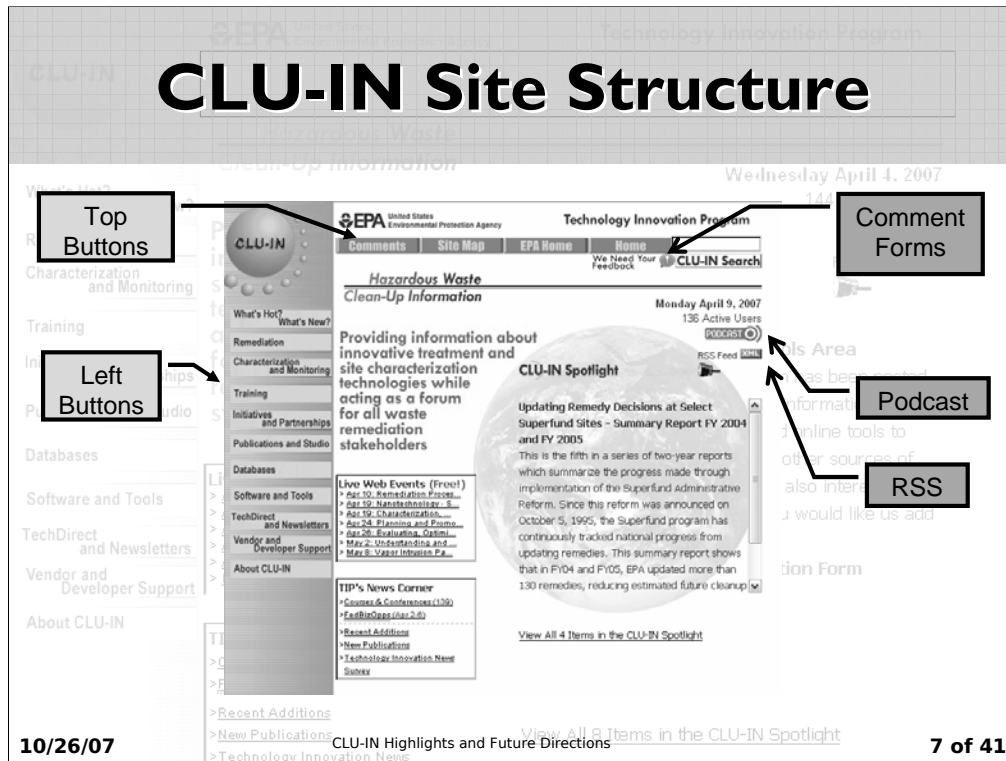
CLU-IN Timeline:

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

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Please move to the next slide.



You should now be looking at slide 7 which shows a screen shot from CLU-IN. I'm sure you are all familiar with the website so I won't take too much time now. Let me point out the various pieces of the CLUIN site that I will refer to throughout today's seminar. Specifically, when I mention the top buttons, I mean the orange buttons with sitemap, comments, and search box. The left buttons are navigational tools that show the main sections of the site such as remediation and training. Some of the updates and features that will be discussed today are accessible/advertised right from the home page. For example: RSS and Podcasts are linked on the upper right corner below the top buttons. I'd also like to remind you of the comment form which is readily available within the top buttons on every page. We rely heavily upon user comments to help direct our efforts with this site. I'd encourage each of you to take the time to submit your comments (both good and bad) whenever visiting CLUIN.

Please move to slide 8.

CLU-IN Updates

Wednesday April 4, 2007

Over the past 2 years, many changes have been made to CLU-IN including:

- **Performance Updates**
 - Universal Profiles Search
 - Podcasts
 - RSS
 - Print page feature
 - Training Calendar
 - Registration Confirmation
 - Participation Confirmation
 - Search abstracts
 - Graphic Version of TechDirect
- **Content Additions**
 - Issue Areas
 - New contaminant focus
- **Navigational/Organizational Improvements**
 - Software and Tools Listings

Questions to think about:

1) Did you notice this change?

2) Do you find it useful?

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With that overview of the website, I will now cover some recent updates to the CLUIN. We've made a number of changes over the past 2 years which can be classified as performance updates, content additions, and navigational/organizational improvements. Performance updates represent those changes that make the site easier to use or expand your access to information on CLUIN. These changes have included: the universal profiles search, adding podcast and RSS feeds, incorporating a print page feature, adding a training calendar, expanding the site wide search engine to cover abstracts and upgrading to a graphical version of TechDirect. Content additions are just that, new focus areas and information resources that were not previously listed. Lastly, navigational/organizational changes have been made to ease your movement through the site and ensure that you can find information in a logical way. As we discuss these changes, I would like you to keep the following questions in the back of your mind for discussion: first, did you notice this change? Second, is it useful?

Let's move on to talk about these updates in more detail on slide 9.

CLU-IN Updates: Universal Profiles Search

- <http://www.cluin.org/databases/search/>
- Users can quickly search across multiple databases on CLU-IN with one form

Wednesday April 4, 2007

What's Hot?

Remediation

Characterization and Monitoring Site Characterization and Monitoring

Training

Initiative

Publications

Databases

Software

TechDirect

Vendor Development

About CLU-IN

New CLU-IN Software and Tools Area

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View

10/26/07

> New Publications

> Technology Innovation News

CLU-IN Highlights and Future Directions

View All 8 Items in the CLU-IN Spotlight

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Search Project Profile Databases

This search form allows you to simultaneously search for project profiles from the following collections:

- Chemical Oxidation Site Profiles
- Field Applications of In Situ Remediation Technologies
- Permeable Reactive Barriers
- Fractured Bedrock Focus Area
- In Situ Plushion Site Profiles
- In Situ Thermal Treatment Site Profile Database
- MtBE Treatment Profiles
- Phytotechnology Project Profiles
- Remediation Technology Demonstration Project Profiles
- State Coalition for Remediation of Drycleaners Site Profiles

To encourage and facilitate a sharing of experiences and knowledge across programs, CLU-IN offers information on thousands of projects where innovative approaches have been used to deal with contamination problems. A complete list of these project collections may be accessed through our Databases area. This search form allows you to simultaneously search for project profiles across several (but not all) of these collections based on common criteria. We are planning to add additional project profile collections and search criteria to this search form in the future.

Please select one or more search criteria using the options below, and then click the "Search Project Profiles" button to view your results. You may select multiple items within a single list by holding down the Ctrl or Command (Macintosh) key while using the left mouse button. Search Tips are also available.

Search Project Profiles Clear All Search Selections List All 1207 Profiles

Contaminant Search Options

General Contaminant Groups (24) Specific Contaminants (152) Search Tips

Search Summary

Search took 1.375 seconds

General Contaminant Groups: Phenols

Targeted Media: Soil

Search Method: Narrow

Display Search Results: Grouped by Project Profile Collection Modify Search Criteria

Chemical Oxidation Site Profiles Search Results

No profiles from this collection match your search criteria. Modify Search Criteria

Field Applications of In Situ Remediation Technologies: Permeable Reactive Barriers Search Results

No profiles from this collection match your search criteria. Modify Search Criteria

Fractured Bedrock Focus Area Search Results

No profiles from this collection match your search criteria. Modify Search Criteria

In Situ Thermal Treatment Site Profile Database Search Results

0 of 100 profiles match your criteria

Site	City	State	Country
Alhambra Pile Yard	Alhambra	CA	United States
Wyckoff Wood Treater NPL site	Eagle Harbor	WA	United States

MtBE Treatment Profiles Search Results

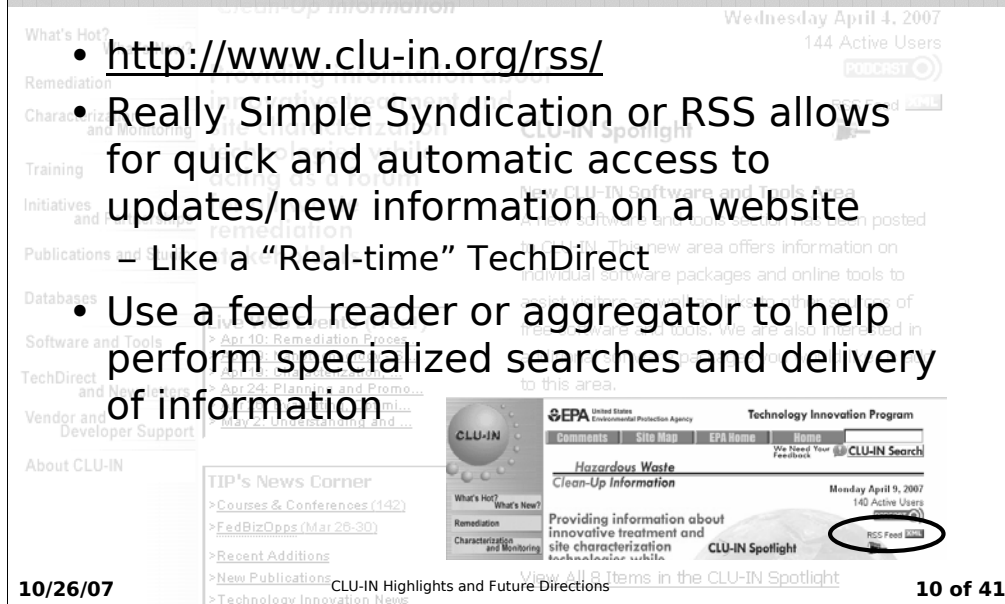
The universal profiles search was added to allow users to search through multiple databases with one set of search criteria. Using the universal search form, profiles and case studies from 9 different databases (Chemical Oxidation, Permeable Reactive Barriers, Fractured Bedrock, MtBE treatment profiles, and remediation technology demonstration projects just to name a few). The picture to the right shows a results screen using this new consolidated search feature. Users can continue to individually search each database if desired.

Please move to the next slide.

CLU-IN Updates: RSS Feed

Wednesday April 4, 2007
144 Active Users

- <http://www.clu-in.org/rss/>
- Really Simple Syndication or RSS allows for quick and automatic access to updates/new information on a website
 - Like a “Real-time” TechDirect
- Use a feed reader or aggregator to help perform specialized searches and delivery of information



The screenshot shows the CLU-IN website interface. On the left is a navigation menu with links like 'What's Hot?', 'Remediation', 'Characterization and Monitoring', 'Training', 'Initiatives and...', 'Publications and...', 'Databases', 'Software and Tools', 'TechDirect and In...', 'Vendor and Developer Support', and 'About CLU-IN'. The main content area features a 'CLU-IN' logo, a 'Technology Innovation Program' header, and a 'Hazardous Waste Clean-Up Information' section. A 'CLU-IN Spotlight' section at the bottom right contains a link to the 'RSS Feed', which is circled in red. The date 'Monday April 9, 2007' and '140 Active Users' are also visible. A date stamp '10/26/07' is in the bottom left corner, and '10 of 41' is in the bottom right corner.

On slide 10 we will talk about RSS feeds. For those of you who are unfamiliar with this acronym, it stands for Really Simple Syndication. RSS allows for quick and automatic access to new information posted on a website. You can think of the CLUIN RSS feed as a “real-time” techdirect for the website. The RSS feed is simply a running list of new content posted to CLUIN updated in real time. RSS feeds are designated on websites using universal symbols such as the small orange XML image displayed on CLUIN. You can take this list and “feed” (hence the name) into a special reader or other program called an aggregator. These tools can be customized to do automatic searching and alerts when particular information is posted. A draft fact sheet on RSS, feed readers, and other interesting feeds has been included at the end of today’s seminar in the links to additional resources.

Please move to the next slide

CLU-IN Updates: RSS Feed

The screenshot displays a web browser interface. At the top, the title 'CLU-IN Updates: RSS Feed' is prominent. Below it, the browser shows a page with a sidebar on the left containing a 'Hazardous Waste Clean-Up Information (CLU-IN)' section, which is circled in red. This section lists several publications, including 'Publication: Protocol for Use of Five Passive Samplers to Sample for a Variety of Contaminants in Groundwater'. The main content area on the right shows the 'Hazardous Waste Clean-Up Information (CLU-IN)' page, which includes a description of the site and a list of publications. At the bottom, there is a section titled 'Other RSS Feeds' with three links: <http://www.cnn.com/>, http://www.trainex.org/news_rss.cfm, and <http://yosemite.epa.gov/opa/ampress.nsf/RSS>. The date '10/26/07' is visible in the bottom left, and '11 of 41' is in the bottom right.

Slide 11 shows a few images of RSS feeds. The image on the right is what the CLUIN feed looks like in a web browser like Firefox or MS Internet Explorer. The image on the upper left, circled in red, shows the CLUIN RSS feed as added to a personalized homepage. Many services like Google, Yahoo, and MSN allows users to customize their homepages with RSS feeds of interest. Just in the same way you can decide what news stories, movie times, sports scores, and stock quotes to display, you can also add content from any page that offers an RSS feed. Imagine being able to open an internet browser and readily have CLUIN updates on your homepage! One added feature of RSS feeds comes with the use of feed readers. In many cases, you can set up special searches so that the reader will scan feeds for terms of interest (such as perchlorate, and phytoremediation) and then alert you by email or other methods when something has been posted. A few additional feeds of interest including CNN, TIP's training exchange, and EPA's own news feeds are listed here.

Does anyone have questions on RSS feeds at this time?

If not, lets move onto slide 12.

CLU-IN Updates: Podcasts

Wednesday April 4, 2007

- <http://www.clu-in.org/live/archive.xml>
- Podcasts are RSS feeds focused on the availability of audio files (MP3 files)
- CLU-IN internet seminars are now “on-the-go”
 - MP3
 - PPT with audio embedded

> Seminars sponsored by the U.S. EPA Technology Innovation Program

Sort by Seminar Title

Key EPA Internet Tools for Watershed Management
Archive of Mar 28, 2007 Seminar, 2hr 0min:

VIEW	PPT	MP3	PODCAST
View archive online	Download archive in PowerPoint® Slide Show format with embedded audio (23.1 MB/PPT)	Download audio only in MP3 format (right-click to save) (17.2 MB/MP3)	Subscribe to our Internet Seminar archive podcast feed [Podcast Help]

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In 2005, archived internet seminars on CLUIN took on a new form with the development of a Podcast. If you are not familiar with the term, think of the popular portable music player devices from Apple: ipods. These devices play audio files (most commonly in the MP3 format) just like a walkman or CD player, except that the content is saved digitally. TIP recognized the value of making our internet seminars accessible and portable so we began offering the archived events as MP3 files to download to portable music players. Now our visitors can save the audio, print the slides, and catch up on missed seminars during a flight or commute home from work. With this new format, and the use of RSS, we also added a Podcast, which is simply an RSS feed that only lists new audio content found on CLUIN. The image on this slide shows the various formats for archived seminars: MP3s, powerpoint files with audio added to slides, or watching online just as the live participants did.

Let's move onto to slide 13.

CLU-IN Updates: Print Version

The screenshot displays the CLU-IN website interface. On the left, a vertical navigation menu lists various categories: What's Hot?, Remediation, Characterization, Training, Initiatives and Partnerships, Publications, Database, Software and Tools, TechDirect, Vendor and Developer Support, and About CLU-IN. The main content area features a header with the date 'Wednesday April 4, 2007' and a navigation bar with links like 'Home', 'About CLU-IN', 'Publications and Studio', 'Technology Innovation Program', and 'Search'. A red circle highlights the 'Print Version' link in the navigation bar. Below this, the 'Publications and Studio' section is visible, containing a search bar and a list of publications. A red arrow points from the 'Print Version' link to the 'Publications and Studio' section. At the bottom of the page, there is a footer with the date '10/26/07' on the left, the text 'CLU-IN Highlights and Future Directions' in the center, and the page number '13 of 41' on the right.

- Main pages have a the “print version” link will remove the left and top navigation buttons
- Pages will print cleanly on 8.5 x 11 paper

The print version feature was added last year to the main areas of CLUIN. Using this link found just below the top buttons in the left corner, visitors can quickly view pages on CLUIN in a format that will cleanly print on an 8.5 x 11 sheet of paper. This is brought about by removing the left and top buttons from the page. It's a common feature found on EPA.gov and other sites.

Please move to the next slide.

CLU-IN Updates: Training Calendar

Wednesday April 4, 2007
144 Active Users

- www.cluin.org/training
- Added a graphic monthly view of upcoming training
- Mouse hovering will display event information
- Made training easier to find on left buttons
- Quick Cancel Links for seminars

April 2007

Sunday	Monday	Tuesday	Wednesday	Thursday	Seminar Title	Date	Sponsor
1	2	3	4	5	Nanotechnology - Superfund Site Remediation	April 19, 2007 2:30PM-4:30PM EDT 18:30-20:30 GMT	National Institutes of Health, National Institute of Environmental Health Sciences Superfund Basic Research Program
8	9	10 ITLC Remediation Exam	11	12			
15	16	17	18	19 ITLC Characterization			
22	23	24 ITLC Planning and Evaluation	25	26 ITLC Evaluation			
29	30						

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A graphical calendar view of upcoming training opportunities was added to the new training section of CLUIN in 2006. This new button for training appeared on the left navigational structure in an effort to quickly guide visitors to one of our most popular resources. With the addition of the calendar view, you can quickly see all events scheduled for a particular month and view details for each by simply hovering your mouse over the calendar listing. Detailed information and registration links are still provided in the same scrolling list format directly below this calendar. Also on the day of each event, you will find a quick cancellation link for that day's seminar if you are unable to attend. Note that this same information is contained within your seminar registration confirmation emails.

Lets move to the next slide

CLU-IN Updates: Training Calendar

- Also added small downloadable files (.ICS format) to quickly add events to your own electronic calendar

The screenshot shows the CLU-IN website interface. At the top, it says "Wednesday April 4, 2007" and "144 Active Users". A sidebar on the left lists various sections: What's Hot?, Remediation, Characterization and Monitoring, Training, Initiatives and Partnerships, Publications and..., Databases, Software and Tools, TechDirect and News, Vendor and Developer S..., and About CLU-IN. The main content area features a calendar for September 2007. A specific event is highlighted: "Assessing Wetlands Loss/Conditions and Restoration" on September 26, 2007, from 1:00 PM to 3:00 PM EDT (17:00-19:00 GMT). Below the calendar, there is a "TIP's News Corner" with links to "Courses & Conferences (142)", "FedBizOpps (Mar 26-30)", "Recent Additions", "New Publications", and "Technology Innovation News". A "Download seminar information in iCalendar format" button is also visible. The footer of the screenshot shows the date "10/26/07", the text "CLU-IN Highlights and Future Directions", a link to "View All 8 Items in the CLU-IN Spotlight", and the page number "15 of 41".

In an ever-increasingly digital world, we hope to expand CLU-INs event scheduling to include files to add events to your own electronic calendar. These files, in .ICS format (ics is a standard international calendar format, for more information please visit <http://filext.com/file-extension/ICS>), will be attached to seminar registration confirmation screens and images to directly import the event details to outlook, lotus notes, or other calendars. Downloading the ICS file doesn't constitute registration! This is simply a tool to help you incorporate our events into your own calendar. In future work these files could be used as event reminders should broadcasts be offered without requiring advanced registration.

CLU-IN Updates: Search Abstracts

The screenshot shows the CLU-IN website interface as of Wednesday, April 4, 2007. The page features a search bar with the text 'Search CLU-IN' and a search button. Below the search bar, there are two checkboxes: 'Exclude full text of publications in search' and 'Exclude literature abstracts in search'. The 'Exclude literature abstracts in search' checkbox is checked, and this section is circled in red. Below the search bar, there are two tabs: 'Publications (0)' and 'Abstracts (1)'. The 'Abstracts (1)' tab is selected and circled in red. The search results show 'Results 1 - 3 of 3. Search took 0.515 seconds.' The date '10/26/07' is displayed in the bottom left corner, and '16 of 41' is displayed in the bottom right corner.

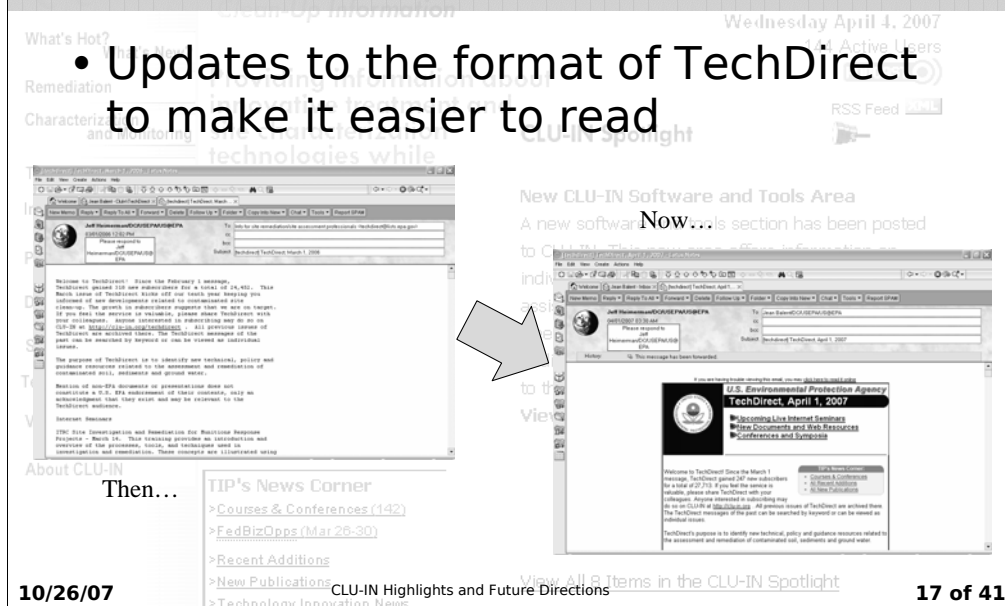
- A new option has been included to expand searches to include abstracts in areas such as 21M2
- Abstracts are included as an additional category of results

Also in 2006, the site-wide search engine for CLUIN was expanded to include additional resources on the site. In previous searching, abstracts for projects and research proposals from the 21M2 area of CLUIN were excluded due to the sheer volume of results they encompassed. However, with a simple check of a box, you can expand your search to include these resources as shown on the images. Abstracts have been classified as a new type of results in the CLUIN search engine so you can quickly jump to these hits if so desired. Note that by default, abstracts are NOT included in a site-wide search. Users must check the box to include abstracts first.

If there are no questions, we will move to the next slide.

CLU-IN Updates: Graphic TechDirect

- Updates to the format of TechDirect to make it easier to read



Just this year, a new graphical version of TechDirect was delivered to its 28,000+ subscribers by email. Rather than the traditional plain text version which tended to be a rather long email as shown on the left, colorful images along with hyperlinks to various sections of this monthly newsletter were added to make it easier to read and quickly find pertinent information. Users that are not able to view this graphic version will still receive the newsletter in plain text without taking any additional steps. TIP has already received positive feedback from subscribers regarding this change but we welcome additional input.

Lets move to the next slide.

CLU-IN Updates: Seminar Registration Emails & Screens

The screenshot shows the CLU-IN website interface. At the top, the date is Wednesday April 4, 2007, and there are 144 Active Users. A sidebar on the left lists various categories: What's Hot?, What's New?, Remediation, Characterization and Monitoring, Training, Initiatives, Publications and Studies, Databases, Software and Tools, TechDirect and Newsletters, Vendor and Developer Support, and About CLU-IN. The main content area features an 'Internet Seminar Reminder for Jean Balent' with buttons for 'Go to Seminar', 'Cancel Registration', 'CLU-IN Studio', and 'Download Presentation'. Below this, there is a message about a streaming audio simulcast reservation for the September 13, 2007 Internet seminar titled 'EPA Region 4 Grant Writing Workshop'. A section titled 'Please cancel your simulcast reservation if your schedule does not permit you to attend...' provides instructions. At the bottom, there is a 'View Resources and Suggestion Form' and an 'Attachments' section showing a file named '653079813.ics'. The footer includes the date '10/26/07', the text 'CLU-IN Highlights and Future Directions', and the page number '18 of 41'.

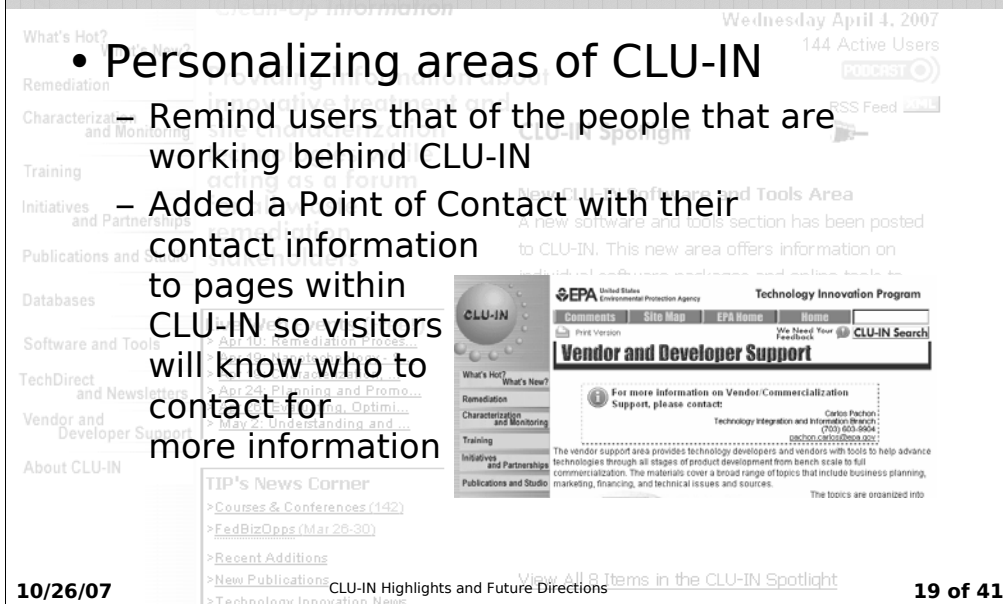
We have also attempted to improve our seminar registration confirmations. We now include much more obvious links at the top of the screen as well as emails with links to download the slides and cancel your registration. We also include small electronic attachments as ICS files to directly add the registration information to your own electronic calendar.

In an ever-increasingly digital world, we hope to expand CLU-INs event scheduling to include files to add events to your own electronic calendar. These files, in .ICS format (ics is a standard international calendar format, for more information please visit <http://filext.com/file-extension/ICS>), will be attached to seminar registration confirmation screens and images to directly import the event details to outlook, lotus notes, or other calendars. In future work these files could be used as event reminders should broadcasts be offered without requiring advanced registration.

CLU-IN Updates: Improved Contacts

Wednesday April 4, 2007
144 Active Users

- Personalizing areas of CLU-IN
 - Remind users that of the people that are working behind CLU-IN
 - Added a Point of Contact with their contact information to pages within CLU-IN so visitors will know who to contact for more information



The screenshot shows the CLU-IN website layout. On the left is a vertical navigation menu with links like 'What's Hot?', 'Remediation', 'Characterization and Monitoring', 'Training', 'Initiatives and Partnerships', 'Publications and Studies', 'Databases', 'Software and Tools', 'TechDirect and Newsletters', 'Vendor and Developer Support', and 'About CLU-IN'. The main content area features a header with the EPA logo and 'Technology Innovation Program' text. Below this is a 'Vendor and Developer Support' section with contact information for Carlos Pachon. A sidebar on the right contains 'TIP's News Corner' with links to 'Courses & Conferences (142)', 'FedBizOpps (Mar 26-30)', 'Recent Additions', 'New Publications', and 'Technology Innovation News'. The date '10/26/07' is in the bottom left, and '19 of 41' is in the bottom right.

Personalizing CLU-IN will involve steps to remind you that there are real living and breathing people working behind CLUIN. The site as it stands now often makes little connection with information resources to the subject matter experts in house at TIP. For instance, did any of you know that buried in the “about CLUIN” section on the left buttons there is a subject matter listing? Since questions submitted on CLUIN are directed to our webmaster and main site points of contact (myself and Mike Adam), we have to work to ensure that we redirect them to the correct POCs for response. Its believed that we can:

- 1) Better connect you the public with our staff by stating upfront on various pages on CLUIN who you should contact with questions
- 2) Solicit more questions and inquiries by offering a name and face to reach to rather than a standard impersonal comment form to which you have no idea who it has been sent to and what they’ve done with it.

Lets move to the next slide.

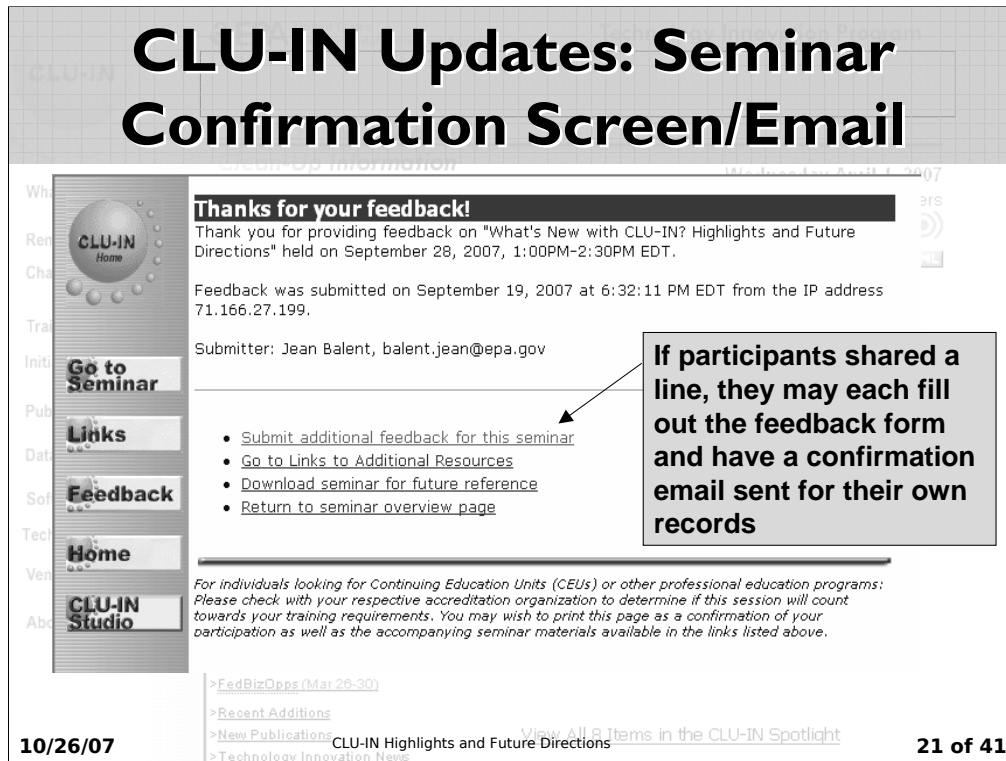
CLU-IN Updates: Seminar Confirmation Screen/Email

- After providing seminar feedback, you will see a confirmation screen identifying the user and IP address that submitted it.
- Confirmation can also be sent by email

The screenshot shows the CLU-IN Technology Innovation Program website. A sidebar on the left contains links: CLU-IN Home, Go to Seminar, Links, Feedback, Home, and CLU-IN Studio. The main content area is titled 'U.S. EPA Technology Innovation and Field Services Division CLU-IN Highlights and Future Directions for Power Users Seminar Feedback Form'. It includes a message: 'We would like to receive any feedback you might have that would make this service more valuable. Please take the time to fill out this form before leaving the site.' Below this are input fields for First Name (Jean), Last Name (Barent), Daytime Phone Number (7026039924), and Email Address. A checkbox labeled 'Please send a copy of my feedback confirmation as a record of my participation to this address' is checked. The Date of Seminar is set to September 26, 2007. At the bottom, there are links for 'New Publications', 'View All 8 Items in the CLU-IN Spotlight', and 'Technology Innovation News'. The date 'Wednesday April 4, 2007' is in the top right corner. The footer shows '10/26/07' on the left and '20 of 41' on the right.

To further help those participants that take part in our seminars as part of professional development or Continuing Education programs, we have created a seminar confirmation which is accessible after filling out feedback for a seminar. The confirmation will include specifics for the event, the name of the individual submitting the feedback for the event as well as the date, time, and IP address from which the feedback was submitted. This confirmation can also be emailed directly to the participant for their own records by checking the appropriate box on the top of the feedback form.

Please move to the next slide.



This slide shows a screen shot of the confirmation message which is displayed following submission of feedback. Note that we have also included an option for participants that chose to share a line with others so that each individual may submit feedback and receive confirmation for their participation.

Let's move to the next slide.

CLU-IN Content Updates

Wednesday April 4, 2007

- Routine additions to resources on CLU-IN happen everyday.
 - New Contaminant Focus such as POPs and General Information for Other Contaminants
 - <http://www.cluin.org/contaminantfocus/>
 - FATE (Field Analytic Technology Encyclopedia) content was moved to CLU-IN's Characterization Area
 - http://www.cluin.org/char1_tech.cfm#tech_sele
 - Vendor Information from REACH-IT (Technology Vendor Information Database) moved to the Vendor Area
 - <http://www.cluin.org/vendor/vendorinfo/>

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CLU-IN Highlights and Future Directions

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Since its beginning TIP has worked diligently to locate and publish new information resources on CLUIN. This takes the form of adding new guidance, factsheets, and reports to creating new information resources such as contaminant focus. There are far too many content updates to cover in today's seminar (remember that's what TechDirect and our RSS feed were created for!).

In recent times, TIP in an effort to more efficiently handle its work assignments and ever-limited funds, has consolidated some of its information resources onto CLUIN. Examples of this work include moving the Field Analytic Technology Encyclopedia over to the characterization section of CLUIN. Another similar change was the addition of short vendor tables from REACH-iT on the Vendor Support Area.

We have received many comments regarding the shut-down of REACH-iT and I do understand that it was a valuable resource to many of you in the audience today. Please continue to submit feedback via CLU-IN and know that we are working on ways to offer a similar service.

Please move to the next slide.

CLU-IN Content Updates: Software & Tools

The screenshot shows the CLU-IN website interface. At the top, it displays the date 'Wednesday April 4, 2007' and '144 Active Users'. The main header includes the EPA logo and the title 'Technology Innovation Program'. A navigation bar contains links for 'Comments', 'Site Map', 'EPA Home', and 'Home'. Below this, the 'Software and Tools' section is highlighted, with sub-links for 'Software Packages and Online Tools' and 'Links to Other Software and Tools'. The main content area features a table titled 'The Federal Remediation Technologies Roundtable Decision Support Tools Matrix' which provides information on various tools. A sidebar on the left lists categories like 'What's Hot?', 'Remediation', 'Characterization and Monitoring', 'Training', 'Initiatives and Partnerships', 'Publications and Studies', 'Databases', 'Software and Tools', 'TechDirect and Newsletters', 'Vendor and Developer Support', and 'About CLU-IN'. At the bottom, there is a 'TIP's News Corner' with links to 'Courses & Conferences (142)', 'FedBizOpps (Mar 26-30)', 'Recent Additions', 'New Publications', and 'Technology Innovation News'. The date '10/26/07' is visible in the bottom left, and '23 of 41' is in the bottom right.

CLU-IN houses many different types of resources ranging from publications, databases, online information, and videos. Knowing that you, our users, often look for particular types of resources (eg training videos) we have attempted to tag resources to let you quickly access the right information as visible in the new search engine (which links types of resources from search results along top of page). With this same frame of mind, we created an area on CLUIN accessible from the left buttons that lists all software and tools found within CLU-IN. These tools range from Optimization software like MAROS to a decision support tool like VSP.

At this time, CLU-IN only lists packages that are available for free to the public, although we welcome suggestions for other tools to include.

Let's move onto the next slide.

CLU-IN Content Updates: Issue Areas


Wednesday April 4, 2007
144 Active Users

- <http://clu-in.org/issues/>
- These pages were created to quickly consolidate resources on emerging issues
 - Dense Nonaqueous Phase Liquids (DNAPLs)
 - Ecological Revitalization
 - Mining Sites
 - Nanotechnology
 - Sediments
 - Vapor Intrusion
 - Wood Treater Sites

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CLU-IN Highlights and Future Directions

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Last year a new type of page on CLUIN called “issue areas” was created to rapidly group information resources for a particular topic of high interest. Often times the creation of a more detailed contaminant or technology focus can take some time and effort. Meanwhile TIP staff already have access to several websites and documents that may be of interest to those looking into new, emerging issues like nanotechnology. These pages were put together as a first cut for future information resources on CLUIN.

Please move to the next slide.

The screenshot shows the CLU-IN website interface. At the top, there's a header with "CLU-IN" and "Technology Innovation Program". Below this is a large banner titled "CLU-IN Updates Discussion". The main content area is divided into several sections: "What's Hot?", "Remediation", "Characterization and Monitoring", "Training", "Initiatives and Partnerships", "Publications and Studies", "Databases", "Software and Tools", "TechDirect and News", "Vendor and Developer Services", and "About CLU-IN". A sidebar on the right contains "RSS Feed" and "View Resources and Suggestion Form". A "Poll Time!" box is overlaid on the right side of the main content area, featuring a calendar icon. The date "Wednesday April 4, 2007" and "144 Active Users" are displayed in the top right corner. The date "10/26/07" is in the bottom left corner, and "25 of 41" is in the bottom right corner.

CLU-IN Updates Discussion

Wednesday April 4, 2007
144 Active Users

- Let's talk about these changes
 - Did you notice them?
 - Have you used them or found them helpful?
 - Have they changed the way you access other information (eg using RSS feeds)?
 - Are there areas where CLU-IN is missing information resources?

Poll Time!

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Now its time to open the phone lines and comments submitted online. I'd like to start discussing the changes we've just gone through. Lets start addressing some basic questions:

- 1) Did you notice these changes?
- 2) Have you used them? Are they helpful?
- 3) Have they changed the way you access information?

These questions are also included in the feedback form at the end of this seminar. Please take a few moments to submit your answers at the conclusion of today's session.

Please move to the next slide.

Future Directions: CLU-IN

Wednesday April 4, 2007
144 Active Users

Current Development Areas

- Site Tour
- Content Additions and Updates

Possible changes in the future

- Radio Shows
- Event Based Site Management
- Discussion Boards
- Increase multi-media materials
- Online Vendor Phone Book
- Improved Internet Seminar Platform

10/26/07

CLU-IN Highlights and Future Directions

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Now that we've gone over some recent changes, lets dive into our plans for the future. Work on many of the items listed on this slide has already begun. However, we are looking for more input and ideas for other ways to improve the site.

Lets move to the next slide.

The screenshot shows the CLU-IN website interface. At the top, the title "Future Directions: CLU-IN" is displayed in a large, bold font, with the subtitle "Currently Under Development" below it. The date "Wednesday April 4, 2007" and "144 Active Users" are visible in the top right corner. The main content area is divided into several sections, including "What's Hot?", "Remediation", "Characterization and Monitoring", "Training", "Initiatives and Publications", "Publications and Software", "Databases", "Software and Tools", "TechDirect and Information", "Vendor and Developer Services", and "About CLU-IN". Overlaid on this interface are two bullet points: "• Site Tour" with sub-points "– Create a short flash-based walk-through of CLU-IN for newer users" and "– Will visually and audibly point out key features of website", and "• Audio Clips" with sub-points "– Add short audio clips for each main area" and "– to vocally describe the website section". At the bottom left, the date "10/26/07" is shown, and at the bottom right, the text "27 of 41" is displayed.

These two proposed features are designed to help new visitors to the site. A site tour could be created such as the one for SMARTe (http://www.smarte.org/smart/tutorial/tutorial_overview.htm) to walk visitors through the main areas of CLUIN. This tool will hopefully explain the navigational structure of the site.

Furthermore, adding short audio clips to verbally describe sections of CLUIN could be added.

We are developing these items now and expect to make them available to the public this fall.

Lets move to the next slide.

Future Directions: Content Additions/Updates

Currently Under Development

The screenshot shows the CLU-IN website interface. At the top, there's a header with the date 'Wednesday April 4, 2007' and '144 Active Users'. Below this, there's a navigation menu with links like 'What's Hot?', 'What's New?', 'Remediation', 'Characterization', 'Training', 'Initiatives', 'Publications', 'Databases', 'Software and Tools', 'TechDirect', 'Vendor and Development', and 'About CLU-IN'. The main content area is titled 'Providing information about' and includes a 'New CLU-IN Software and Tools Area' section. A sidebar on the right contains a 'RSS Feed' and a 'View Resources and Suggestion Form' link. At the bottom, there's a footer with the date '10/26/07' and the page number '28 of 41'.

- Contaminant Focus
 - DNAPL
- Technology Description (Characterization Area)
 - Membrane Interface Probe (MIP)
 - Immunoassay
 - Fiber Optic Chemical Sensors
 - Ground Penetrating Radar (GPR)

Several areas of new and/or updated content will be made available on CLU-IN later this year. The newest addition will be an extensive contaminant focus on DNAPLs (dense non aqueous phase liquids). Furthermore, we will be adding to the old FATE materials which were moved to CLU-IN's Characterization section with updates to the Membrane Interface Probe, Immunoassay, Fiber Optic Chemical Sensors, and Ground penetrating radar technology descriptions. Additional updates will continue throughout the year just as we do now with postings of new events, publications, databases, and tools.

Lets move to the next slide.

Future Directions - CLU-IN

Wednesday April 4, 2007 144 Active Users

- Radio Shows/Computer-side Chats
 - Host short routine “talkshow-esque” events
 - Panel of experts to discuss an issue and take questions from the audience

What's Hot? Remediation Characterization and Monitoring Training Initiatives and Publications Publications and Databases Software and Tools TechDirect and Newsletters Vendor and Developer Support About CLU-IN

Live Web Events

- > Apr 10: Remediation
- > Apr 19: Nanotechnology
- > Apr 19: Characterization
- > Apr 24: Planning and
- > Apr 26: Evaluating, C
- > May 2: Understanding

TIP's News Corner

- > Courses & Conferences
- > FedBizOpps (Mar 26-3
- > Recent Additions
- > New Publications
- > Technology Innovation News

CLU-IN Highlights and Future Directions

View All 8 Items in the CLU-IN Spotlight

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One suggestion has been to add a new format of live deliveries on CLUIN, similar to a radio or talk-show. Rather than following scripted presentations, a panel of experts will be brought together by phone to briefly discuss an emerging issue and answer questions from the audience. This style of event could make use of chatting capabilities already present, but rarely used on CLUIN.

Please move to the next slide.

The screenshot shows the CLU-IN website interface. At the top, there's a header with "SEPA" and "Technology Innovation Program". The main title "Future Directions: CLU-IN" is prominently displayed. Below the title, the date "Wednesday April 4, 2007" and "144 Active Users" are shown. The left sidebar contains a navigation menu with items like "What's Hot?", "Remediation", "Characterization and Monitoring", "Training", "Initiatives and Partnerships", "Publications and Studies", "Databases", "Software and Tools", "TechDirect and News", "Vendor and Developer Services", and "About CLU-IN". The main content area features a "What's New" section with a list of items, including "New CLU-IN Software and Tools Area", "New CLU-IN Software Packages and Online Tools", and "New CLU-IN Software Packages and Online Tools". A "View Resources and Suggestion Form" link is also visible. The bottom of the page shows the date "10/26/07" and the page number "30 of 41".

Future Directions: CLU-IN

Wednesday April 4, 2007
144 Active Users

- Event Based Site Management
 - Organize more seminar series
 - Push monthly topical focuses
 - Routinely host “What’s new with CLUIN seminars” like this one
 - Try to structure visits to site at particular times or around certain events

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Along the same line of thought, efforts may be focused in managing CLUIN in a more event-oriented basis. Specifically, seminar series such as the nanotechnology seminars or sediment training would be arranged throughout the year. CLUIN could offer monthly focuses which would target particular issues on the spotlight of CLUIN as well as the seminars arranged for that month. TIP could also routinely host “what’s new with CLUIN?” seminars just like this one to alert users to recent changes and additions in a live forum.

Please move to the next slide.

Future Directions: CLU-IN

What's Hot?

Remediation

Characterization and Monitoring

Training

Initiatives and Partnerships

Publications and Studies

Databases

Software and Tools

TechDirect and Newsletters

Vendor and Developer Support



About CLU-IN

Wednesday April 4, 2007

144 Active Users

• Add more multi-media elements

- Push to include more videos, images, and interactive elements
- Examples:
 - Videos of Technologies in Use
 - More images for content
 - Calculators for quick estimates
 - More worksheets or documents that can be filled out for particular applications (eg Triad Checklist)

TIP's News Corner

- > [Courses & Conferences \(142\)](#)
- > [FedBizOpps \(Mar 26-30\)](#)
- > [Recent Additions](#)
- > [New Publications](#)
- > [Technology Innovation News](#)

[View All 8 Items in the CLU-IN Spotlight](#)

10/26/07

CLU-IN Highlights and Future Directions

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As more data is able to be exchanged online at rapid rates, CLUIN can be directed to incorporate more multi-media elements which may have been previously too big to share online. For instance, TIP can include more videos of technologies in use and animations for various remedial strategies. A greater amount of images could be added to all areas of CLUIN. Calculators like those found on the EPA ORD site (<http://www.epa.gov/ord/htm/databases.htm>) could be included. Interactive forms and documents to be filled out by site visitors could also be added to the site as appropriate.

Please move to the next slide.

Future Directions: CLU-IN - Discussion

Wednesday April 4, 2007
144 Active Users

• Let's talk about these changes

- Will they be helpful?
- Which changes are most interesting or important to you?
- Will any of these changes impact the way you access information?
- Do you have other suggestions?

Poll Time!

10/26/07

CLU-IN Highlights and Future Directions

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Now its time to open the phone lines and comments submitted online. Lets start by addressing these questions:

- 1) Will these changes be they helpful?
- 2) Which ones are the most interesting to you?
- 3) Will any of these proposed steps change the way you access information?
- 4) What about other suggestions?

These questions are also included in the feedback form at the end of this seminar.
Please take a few moments to submit your answers at the conclusion of today's session.

Please move to the next slide.

CLU-IN Future Directions: Internet Seminars

Wednesday April 4, 2007
144 Active Users

- Current platform for Internet Seminars on CLU-IN allows speakers to share Powerpoint slides using a conference lines
- Seminars are recorded and archived for replay online
- More than 400 seminars and 70,000 participants since 1999

What's Hot?
Remediation
Characteriza
and
Training
Initiative
and P
Publications
Databases
Software and Tools
TechDirect
and Newsletters
Vendor and Develop
About CLU-IN

CLU-IN Spotlight
New CLU-IN Software and Tools Are
to CLU-IN. This new area offers information on
individual software packages and online tools to
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RISK Learning
Nanotechnology -
Applications and Implications for Superfund
April 19, 2007
Session 4:
"Nanotechnology - Superfund
Site Remediation"
Mark Oles, EPA/OSM
Mary Logan, EPA, EPA Region 5

Engineering Committee
SEPP MEMBERS
William Bick
Heather Henry
Charles Thompson
Beth Anderson
Patty Ablesark
EPA
Jorge Miranda
Walter Lopez
Marion Olson
Charles Heston
SEPP
Steve Savage
Berkent Wilson
Ronald Stewart
Stitch Lantz
Martha Oles
William Anderson
Larry Reed

TIP's News Corner
> Courses & Conferences (142)
> FedBizOpps (Mar 26-30)
> Recent Additions
> New Publications
> Technology Innovation News

10/26/07
CLU-IN Highlights and Future Directions
View All 8 Items in the CLU-IN Spotlight
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Since most of you have made regular usage of our internet seminars and/or have hosted these events in the past, there is not much need to review the existing platform. Since TIP began hosting CLUIN internet seminars in 1999, our speakers have shared powerpoint slides and related information using a simple internet connection and telephone conference line. Our seminars are commonly recorded and archived for replay and download online. Almost 400 seminars have reached nearly 70,000 participants in the last 8 years.

Lets move to the next slide.

CLU-IN Future Directions: Internet Seminars Advantages

Wednesday April 4, 2007
144 Active Users

- **Advantages**
 - Easy platform to use with minimal technical difficulties
 - Can reach very large audience across great distances
 - No software to install
 - Inexpensive
- **Limitations**
 - Speakers have no control over slides, cannot annotate slides
 - No video, animations, or live screen sharing
 - Can only host 1 event at a time and have limitations on the number of participants we can handle

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CLU-IN Highlights and Future Directions

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Having the experience with our existing system or platform, you will note the pros and cons shown on this slide. CLU-IN uses a very simple platform where large audiences can be reached over great distances at a very low cost. Aside from MS MediaPlayer or RealPlayer, no additional software needs to be installed to participate in an internet seminar. That being said, the platform expects each user to move themselves through materials with a speakers cue. Our speakers have no control to move the slides for participants, we have no way to draw, point or annotate the slides and are limited to sharing only static slides, lacking animations, videos or other “attention-grabbers” often used in training. Furthermore, we can only host 1 event at a time on CLUIN reaching out with no more than 250 ports between phone and simulcast lines. As internet seminars are becoming increasingly popular these limitations may become problematic in the future.

Please move to the next slide.

CLU-IN Future Directions: Internet Seminars

- Newer more powerful platforms are becoming widely used
- Ex: WebEx, GoToMeeting, Live Meeting

Questions to think about:

- 1) Have you used these other tools?
- 2) Do you find their tools useful?
- 3) Would you prefer CLU-IN seminars be hosted using these platforms?

10/26/07

[Recent Additions](#)

[New Publications](#)

[Technology Innovation News](#)

CLU-IN Highlights and Future Directions

[View All 8 Items in the CLU-IN Spotlight](#)

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As the usage of the internet as training vehicle has greatly increased over time, there are many other platforms that you may have used for other training events. A few examples include WebEx, GoToMeeting, and MS LiveMeeting. These tools offer increased options not currently available on CLUIN.

As we talk about some of the typical features of these other platforms, please keep the following questions in the back of your mind:

- 1) Have you used other tools?
- 2) If so, were these useful to you?
- 3) Would you prefer CLUIN seminars to be hosted by these platforms?

Please move to the next slide.

CLU-IN Future Directions: Internet Seminars

The screenshot displays a WebEx training session. The main window shows a presentation slide titled "Introduction to ACME imaging. training series 2.0" with the ACME medical logo. To the right, there is a video feed showing a person, a list of participants including Michelle (Host), Derek Haase, Andy Steele, Eric Vidal, Sara Perry, and Susan McEvilly, and a list of panelists. The sidebar on the left contains navigation links such as "What's Hot?", "Remediation", "Characterization", "Training", "Initiatives and Publications", "Databases", "Software and TechDirect", "Vendor and Development", and "About CLU-IN". The bottom status bar indicates the meeting number 342 978 989 and provides a dial-in number 1-877-276-6348. The date "Wednesday April 4, 2007" is shown in the top right corner.

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CLU-IN Highlights and Future Directions

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For those of you that have never used Webex or any of the other tools previously mentioned, this is a screenshot. For the most part, all of these commercial packages have the same features though they may appear slightly differently on each tool.

Note that this particular platform has video feeds, a live list of a participants, slide annotation tools and much more. We will discuss some of these features on the next slide.

Lets move to the next slide.

CLU-IN Future Directions: Internet Seminars

Wednesday April 4, 2007
144 Active Users

- Chat Feature
 - Users can type short text strings to each other, speakers, or all members to communicate while session takes place
 - Examples: AOL's Instant Messenger, Google Talk, MSN Messenger, etc
- Slide Control/Annotation
 - Speakers can move slides for all participants
 - Speakers can highlight and draw on slides live so that all participants can view these changes

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CLU-IN Highlights and Future Directions

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Chatting offers both participants and speakers the ability to type text-based communication during the event. CLUIN only allows for 1-way chat where speakers can view comments submitted by participants using the question form. Using a chat feature, speakers/moderators could acknowledge that a question has been received, participants could share information without disrupting the seminar, and more specific information such as relevant URLs could be accurately and quickly shared during a session. Many of you may have used this tool in the form of AIM, Google Talk, or on other web training platforms.

Slide control and annotation is a self-explanatory option. Speakers will control the movement of slides so that participants view what the speaker chooses to show them. Speakers and moderators can also draw, highlight, and manipulate slides with this feature (just like one might use a laser-pointer in person). In some packages, participants may be given the power to annotate slides as well.

Please move to the next slide.

CLU-IN Future Directions: Internet Seminars

Wednesday April 4, 2007
144 Active Users

- Screen Sharing
 - Speakers can show live images of their computer screens to demo software packages and other files to participants
- Video Feed
 - Web cams can show speakers live during session
 - Movies can be imbedded into seminars for viewing during the event

10/26/07 CLU-IN Highlights and Future Directions View All 8 Items in the CLU-IN Spotlight 38 of 41

Screen sharing involves the live broadcast of a portion of the speaker's computer screen. The entire screen may also be shared if desired. This feature allows participants to view any material that can be opened on the presenter's PC including movies, model simulations, data tables, and more. This option could greatly expand the types of training conducted on CLUIN.

Video feeds allow speakers and participants to share live images using webcams. These tools can help overcome the impersonal and distant impressions from internet seminars by presenting a virtual face-to-face meeting.

Please move to the next slide.

CLU-IN Future Directions: Internet Seminars

Wednesday April 4, 2007
144 Active Users

- Increase Capacity
 - Handle more participants via simulcast
 - Currently host ~100 or fewer simulcast ports
 - Increased capacity may double that value
 - Provide higher quality audio for simulcast participants
 - May be able to double the audio clarity
 - Host more seminars per month
 - Possible to host multiple seminars at the same time

10/26/07

CLU-IN Highlights and Future Directions

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Another issue that are examining is the area of increased capacity. Capacity in this sense, loosely refers to quantity and quality for seminars. This entails being able to provide more simulcast ports per seminar. CLU-IN usually offers 100 or fewer simulcast ports but we may be able to double that number in the future permitting more users to attend events live. In addition we are looking at the audio quality offered to our simulcast participants and archived seminars to improve clarity. Lastly, we are exploring options that will permit us to host more events and allow for simultaneous seminars.

Lets move to the next slide.

CLU-IN Future Directions: Internet Seminars

Wednesday April 4, 2007

14 Active Users

What's Hot?

Remediation

Characterization and Monitoring

Training

Initiatives and Partners

Publications and News

Databases

Software and Tools

TechDirect

Vendor and Developer Support

About CLU-IN

• Let's talk about these new platforms

• What features would you like to see for CLU-IN seminars?

- Chat feature
- Slide Control/Annotation
- Screen Sharing
- Video feed
- Handle more participants
- Handle more seminars
- Others?

– Real-time polling

– Chat feature

– Improved Audio

Poll Time!

10/26/07

CLU-IN Highlights and Future Directions

View All 8 Items in the CLU-IN Spotlight

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Just to reiterate, take a look at the list of features here and think about how they could be used to improve training on CLUIN. These features include: chatting, slide control, screen sharing, video feeds, and increased hosting power.

Lets talk about these features and what you would most like to see on CLUIN

Please move to the next slide.

Thank you for your time!

If you have additional questions or comments,
 please contact Jean M Balent at
balent.jean@epa.gov or 703-603-9924

Please follow this [link](#) to more resources

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Thank you again for your attention and comments. I want to remind each of you that we are looking for your specific responses to many of the issues discussed today in our feedback form following this session.

Also, there are several resources and related documents included in the links to more resources on this page.

If you have any additional questions or comments, please feel free to contact myself or fill out a comment form on CLUIN.

Thank you and have a great afternoon.