

2015 International Conference for Environmental Data Management

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The Sixth Annual International Conference for Environmental Data Management (ICEDM) provides environmental data management professionals with a two-day opportunity to share: ideas, tools and custom applications, brainstorm and collaborate on data workflow, and present data management success stories. The conference is limited to 50 registrants. There is a non-refundable registration fee of \$300 per person for both days, which includes snacks and lunch each day and a participation certificate.

Dates: September 15-16, 2015

Location: Chicago House of Blues
329 N Dearborn St.
Chicago, IL 60654
<http://www.houseofblues.com/chicago/>

Registration Info: You can register via PayPal on the conference website at (www.icedm.net). ICEDM registration does NOT include hotel accommodations (see below).

A block of hotel rooms are reserved for conference attendees at the Sheraton Chicago Hotel & Towers, rooms will be held for ICEDM until August 1, 2015. Registrants must contact the Sheraton directly to reserve a room. **Bookings should be made by August 1, 2015.** Contact with help finding alternate accommodations.

301 E North Water Street
Chicago, IL 60611

The 2015 Draft Conference Schedule and Agenda presented below may change as the conference approaches. The most current version of the agenda will be available on the conference website.

Please call **Dan Higgins at (503) 789-4758** or **Sarah Wright at 206-794-5888** with questions, or suggestions for additional activities or presentations.

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Conference Schedule:

Meeting Space: Main Building Ballroom

Day 1 – September 15, 2015

9:00 AM	Reception & Continental Breakfast	
9:30 AM – 12:15 PM	Welcome and Greeting	Dan Higgins (Haley and Aldrich) and Sarah Wright (ddms, Inc.)
	Coordinating Data Deliverables with Third Party Validators– Best Management Practices	<p>The importance of electronic data in the environmental compliance industry has significantly grown in the past ten years. As we learn new ways to process and interpret large data sets, the usability of the results is still largely dependent on the precision, accuracy, representativeness, comparability, completeness, and sensitivity of the base data. Data Validation is an important process for determining the usability of the laboratory data before making important decisions regarding human and environmental health. Equally important is that this information is accurately captured within the project database.</p>
		<p>Electronic Data Deliverables (EDD) can come in many different formats, usually tailored to the database of the regulator that will ultimately receive the data. In some cases the end database is significantly different from the internal client database. When third party validation is performed, EDDs have the potential change hands from the lab, to the validator, to the project manager, before database personnel ever see it. There is also the option to have the data validation performed manually or using an automated data review tool, each with unique format requirements. In this presentation we will focus on the benefits of third party validation (both manual and automated) from a data management perspective and important items to consider when coordinating with your third party validator to ensure the final data upload is as efficient and accurate as possible.</p>
		Shauna McKellar and Dung Ngo (Laboratory Data Consultants, LLC)
	Evolution of Data Management Practices for a Multi-Disciplinary Engineering Consulting Firm	Andrea Brazell (GEI Consulting)
BREAK		
Material Management	David Maltby and Faridal Mutalib of T3W Business Solutions will present a sample/application tool capturing cradle to grave	

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	Database: Cradle to Grave Hazardous Waste Management	<p>hazardous waste data from a variety of sources. The tool integrates geospatial data and provides data in an easy to use format. It also accommodates additional pertinent data from live and static sources.</p> <p>David Maltby and Faridal Mutalib (T3W Business Solutions)</p>
12:15 PM	LUNCH	
1:15 PM	Round Table Discussion Data Management Blues	<p>Round table discussions have been ICEDM’s most popular activity in past years and attendees have frequently requested that additional time be given to these sessions. This year’s conference will allow attendees to spend additional time discussing data management issues and developing strategies for resolving those issues.</p>
2:45 PM	BREAK	
3:00 PM - 4:30 PM	Integrating Environmental Data with Project Information	<p>ENFOS is a SaaS solution for organizations challenged with managing environmental liabilities including contaminated sites and asset decommissioning projects. As an enterprise web-based platform, ENFOS connects owners and responsible parties with their environmental consultants and laboratories. Solutions in the ENFOS platform include site and project management, data management, financial management, compliance management, maps, document management, and integration with corporate ERP and property/asset management systems.</p> <p>The focus of this presentation is on the integration of various categories of technical data with other types of seemingly unrelated project information and workflow content. The presentation will include examples and demonstrations of customer use cases where technical data, such as analytical results, are combined in queries with risk management data and project financial information. More specifically, ENFOS will discuss the following:</p> <ul style="list-style-type: none"> • The value of a “data in context” approach • Merging analytical results with off-site sensitive receptors • Integrating sample event planning data with purchase to pay processes • Evaluating analytical results in context with project costs <p>Roger Well and Torrie Behrens (ENFOS, Inc.)</p>
	Set Your Data Free – Making a Case for Data Visualization on Every Desktop	<p>Resolution of the pressing data management problems of our time is within reach. The adoption of LIMS, EDDs, secure data practices, and cloud storage allow us to track samples from the field to the lab and pass data efficiently, without error, from the</p>

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		<p>lab to the end user. We're halfway there. The true promise of data management will be achieved when we have eliminated the secretary-pool model of data visualization. This model gives the coolest toys to the GIS-savants and "power-users" and provides for a constipated flow of data to the knowledgeable end-user. Every hydrogeologist, engineer, environmental scientist, and data analyst should be a data power-user. We need to invent and deliver tools to access, visualize, and analyze data that can reside on every desktop. This presentation describes the secretary-pool model of data visualization, proposes an alternative, and outlines key characteristics of data tools that can and should reside on every desktop.</p> <p>Bruce Jacobs (HydroAnalysis, Inc.)</p>
	OPEN DISCUSSION	<p>ICEDM strives to provide attendees a forum for open discussion of data management topics. During this session attendees will engage in discussion of the topics covered throughout the day and propose topics for further discussion throughout the conference.</p>
4:30 PM – 7:00 PM	Open Bar and Snacks	Mingle and relax over drinks and food.

Day 2 – May 14, 2014

9:30 AM – 12:00 PM	Continuous Monitoring: How to stay on top of things and save time & money with AQUARIUS.	<p>Using some recent AQUARIUS case studies, we will look at the demands that continuous monitoring adds to a data management system. We will look at issues around data reliability, data processing and data publication. We will explore the expectations that users and data consumers have of such a system, and we will look at tradeoffs in budgeting, efficiency, and data availability.</p> <p>Alastair Foreman (Aquarias)</p>
	Improving efficiency of managing environmental testing results with DataConcourse interactive web-based service	<p>There are number of environmental data users and project managers that do not have access to an environmental database system; used to validate, import, analyse and report a broad spectrum of Environmental Data. This may be due to small size of department, lack of IT staff or Database Management staff and the lack of funding for hardware, software and the training required to support a server or desktop solution.</p> <p>Kent Patton and Allison Greiner will discuss an interactive web-based service that automates data collection, and streamlines</p>

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		<p>analysis and reporting. * Hosted service (no internal setup or IT required) * Pay per report (no software/hardware costs) * Easy to use functionality (limited training required) * Consolidate library of data from multiple laboratories * Compare data to library of major regulatory environmental standards * Specify field data, enter qualifiers & comments * Generates outputs and summaries of field and laboratory QA checks.</p> <p>Kent Patton and Allison (Promium Software Data Concourse)</p>
	BREAK	
	<p>Implementation and Support for an Enterprise Data Management System</p>	<p>A large, multi-national oil and gas pipeline client recognized a need for increased ownership and accessibility of data generated to support various corporate environmental programs.</p> <p>Environmental Standards, Inc. was retained to assist with implementation of a comprehensive data management program, which included initially enrolling two environmental programs in the system and developing a process to migrate historic laboratory and field data for 172 facilities into the system over a five-year period. Challenges included incorporating multiple environmental departments, contractors and laboratories into the program. This presentation presents an overview of the implemented program, lessons learned along the way, and some key takeaways for both clients and implementers about what to do (and not do) when faced with implementing data management for a multi-program enterprise.</p> <p>Dan McCarthy (Environmental Standards, Inc.)</p>
12:00 PM	LUNCH	
1:00 PM	<p>Roundtable (Topic: TBA)</p>	<p>This roundtable topic will arise as the conference progresses based on the interests of the group. Roundtables present a low stress opportunity for less experienced attendees to pick the brains of more experienced data managers. Attendees get a chance to share strategies and opinions and collectively learn from each other.</p> <p>Moderated by Dan Higgins and Sarah Wright</p>
2:45 PM	BREAK	

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	<p>Corralling Environmental Data at BP</p>	<p>BP Remediation Management (RM) function has been tasked with managing data for over 1,500 global sites consisting of: Refineries, Mines, Retail Stations, Pipelines, Terminals and other sites. The BP Knowledge Management and Technical Systems (KM&TS) team has been tasked with implementing a centralized system to manage the environmental data for these varied sites that have historically been managed by different consulting firms utilizing differing approaches to data management. The BP KM&TS team's primary focus for centralizing data management are eliminating risks, setting data quality standards, improving the project agility, and ensuring BP's IT security rules are followed. The BP KM&TS team has taken a strategically phased approach to implementing this system to ensure project success in the most efficient manner possible while engaging all stakeholders to allow them to take ownership of the data management processes.</p> <p><i>Brian Vassigh (BP) and Sarah Wright (ddms, inc.)</i></p>
<p>3:00 PM - 4:30 PM</p>	<p>Interpreting and Presenting Data Today's Fast Paced World</p>	<p>How we present and convey our data gives that data its value. It gives it a purpose and it brings the audience to the table. While we value the data we generate, we need also value its audience for it to be effective.</p> <p>It matters because those who are listening (or you are hoping are listening) from legislative teams to regulatory agencies, or the public to interested stakeholders, are listening for the story the data tells. Something in their language that they can use to make decisions, form opinions, plan, and team with other parties. On top of that, data with no message is infinitely interpretable and if you're not telling your story, you can bet there is someone willing to tell it for you. Perhaps they might find that per capita consumption of mozzarella cheese correlates with civil engineering doctorates awarded with an R value of 0.95864 (it does). Or that the number of pirates correlates with global warming trends (it also does).</p> <p><i>Kali Abel (Gallatin Public Affairs).</i></p>
<p>4:30 PM</p>	<p>Closing Discussion and Remarks</p>	