



Environmental Disasters Data Management Workshop
September 16 - 17, 2014
National Conservation Training Center
Shepherdstown, WV

BREAKOUT GROUP QUESTIONS

Breakout Group A: Field Sample Collection (Data Collection/Sampling Protocols)

- Is there a common data model that can be shared across entities?
- What are the essential core parameters to be collected and recorded for any field collection (e.g., sample ID, date/time, lat/long, etc.)?
- What are the essential core parameters to be included in metadata record?
- What are the standard data types and protocols for emergency response?
 - Shoreline and/or soils
 - Watercolumn
 - Air
 - Human Health
 - Other
- What are best practices for reducing transcription errors?
- What are the roadblocks for getting data from field collection into an electronic format?
- How is field collection designed to maintain PII (personal identification, human health etc.)?
- How is field collection designed to ensure accuracy of data?
- How is field collection designed to maintain Chain of Custody?
- How is field collection designed to maintain data security?

Breakout Group B: Data Formatting/Entry (for consistency and comparability)

- Is there a common data model that can be shared across entities?
- What are the essential core parameters to be collected and recorded for any data collection (i.e., sample ID, date/time, lat/long, etc.)?
- What are the essential core parameters to be included in metadata record?
- What are the standard data types and protocols for emergency response?
 - Shoreline and/or soils
 - Water column
 - Air
 - Human Health
 - Other
- What are best practices for reducing transcription errors?
- What are the rate limiting steps for getting data from field collection into an electronic format?
- How are data formatting/entry designed to maintain PII (personal identification, human health, SSN, birth date, etc.)?
- How are data formatting/entry designed to maintain Chain of Custody?
- How are data formatting/entry designed to maintain data security?

Breakout Group C: Data Reliability/Tracking (accurate transmission to database & QA/QC, data validation)

- Is there a common data model that can be shared across entities?
- What are the essential core parameters needed for tracking the reliability of data?
- What are the system requirements for data reliability and tracking?
- How are data reliability/tracking designed to maintain data security?
- What are the QA/QC processes used and are they community and/or scientifically accepted standards?
- What is important for data reliability, QA/QC and validation when moving data from field collection into an electronic format?
- What is the process for informing data generators/users about the status of data from collection to archives?
 - What are the software and techniques for tracking disparate data sets for structured and unstructured data; where are they in process (at what lab, have they been analyzed? Have they been validated?)
- Optional: What are the standard data types and protocols for emergency response?
 - Shoreline and/or soils
 - Water column
 - Air
 - Human Health
 - Other

Breakout Group D: Discovery and Accessibility (getting data to the users)

- Is there a common data model that can be shared across entities?
- What are the essential core parameters needed for discovery and accessibility?
- What are the system requirements for discovery and accessibility?
- What are the best practices for data visualization, discovery, and accessibility?
- What are the best practices for maintaining PII (personal identification, human health, SSN, birth date, etc.) and Chain of Custody in discovery and accessibility? Human subjects data protections?
- How is access to data granted to users given that PII data are available and need to be protected?