



Windsor Solutions, Inc.

Exchange Network

Data Management Technical Assistance

Thursday, May 5, 2011

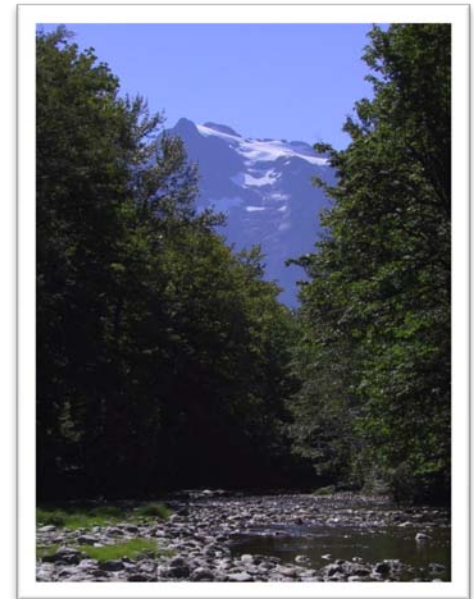
NCAI Exchange Network Conference 2011



Environmental + Health
Information Systems

Session Purpose

To provide an overview of data management as it relates to the Exchange Network.



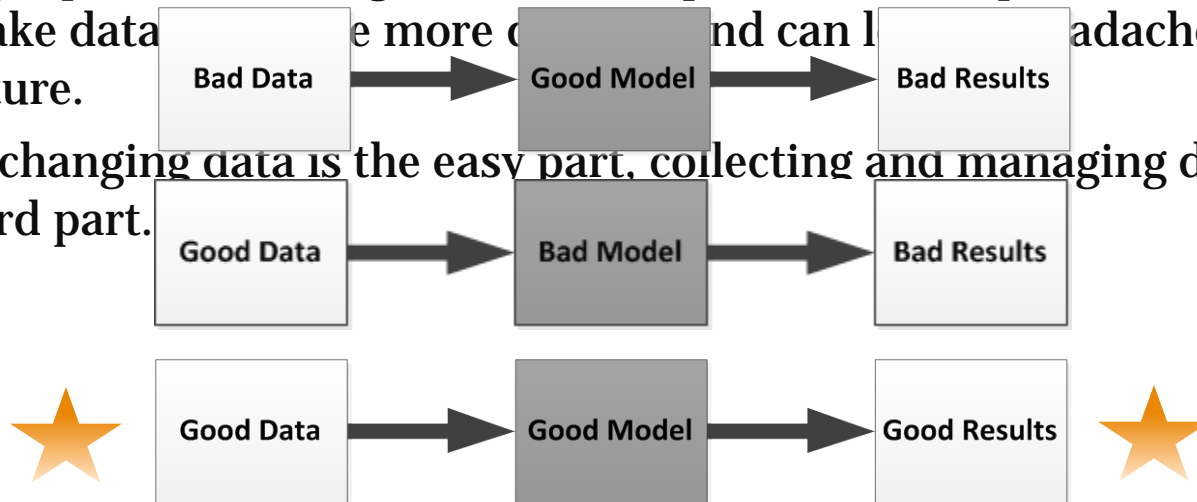
Topics

- Why Does Data Management Matter?
- Known Data Management Options
- Data Mapping
- Examples of How Different Organizations Manage their Data
- Common Challenges
- Benefits
- Frank: Muscogee Nation's Experience
- Questions



Why Does Data Management Matter?

- Improve the quality of data exchanged.
- If proper data management techniques are not implemented, it can make data more expensive and can lead to headaches in the future.
- Exchanging data is the easy part, collecting and managing data is the hard part.



How Does This Relate To The Exchange Network?

- Preempt failed submissions resulting from business rule violations
- Prevent misinterpretation of data
- Implementation of data exchange may be simplified
- Sharing of data can lead to receipt of feedback and improved data quality



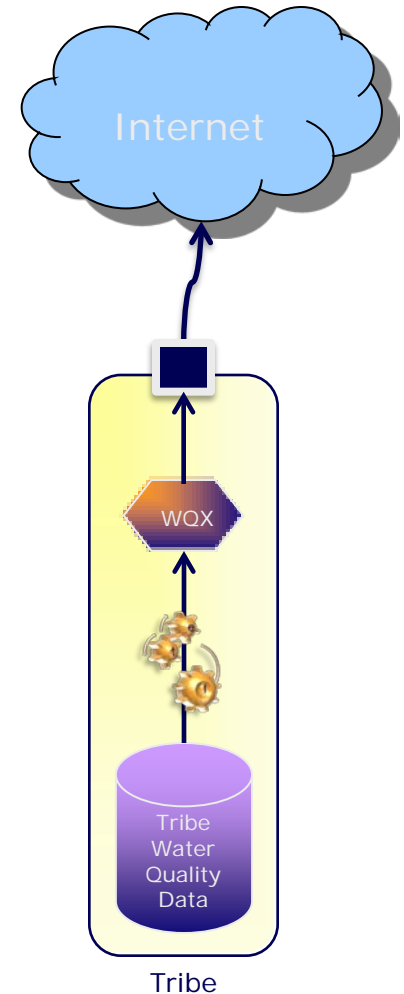
Data Management Options

- Excel:
 - Build/use custom formatted Excel spreadsheet support repeatable extraction
 - Borrow proven Excel spreadsheet formats
- Application:
 - Build a custom data management application
 - Use/buy an existing application
 - Use an EPA provided system, when applicable
 - Others: ???



Data Mapping

Whatever the data format/tool, data will need to be repeatedly extracted from your data source and transformed into the agreed data flow format to enable sharing.



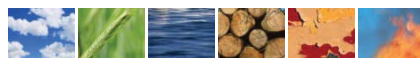
Compare and Contrast

	Data Management			
	TWQD	Standard Formatted Excel (with Upload)	Custom MS Access	EQiS
State of Nevada DEP			√	
State of New York DEC				√
NWIFC	√	√		
Penobscot Nation			√	
Port Gamble S'Klallam Tribe	√			
Seldovia Village Tribe		√		
Stillaguamish Tribe of Indians			√	
St. Croix Chippewa Tribe	√			
USET	√	√		



Common Challenges

- Determining what solution will meet your organizations needs
- Data:
 - Structure/quality of existing data and support for a repeatable data extraction
 - Migration of data, if needed
 - Tracking changes to data overtime
 - Field staff may have to relinquish existing Excel spreadsheets
 - Data security
- Infrastructure stability/bandwidth
- Limited resources to build/buy data management application



Benefits of Proper Data Management

- Improved quality of data
- Centralized data storage and standardized format
- Sharing of data to/from your partners
- Holistic data analysis and reporting!





Frank Harjo Muscogee Nation

