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SCAT: Infrastructure and Data Flow Perspective

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SCAT For Tomorrow Workshop
Jan 2017

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Overview

- Overarching IT Security (Dave)
- Requirements should drive Specifications
 - For both system and data
- Scalability and Flexibility
- Data Collection
- Data Warehouse (Data Model)
- Data Access




Scalability

- Approach must be able to scale from small to large response
- Process accommodates offline to online work flow
- Incorporate data from multiple sources
- Secure user login and privileged access
- Provide for data to information AND long-term data management/sharing (e.g. Archive)



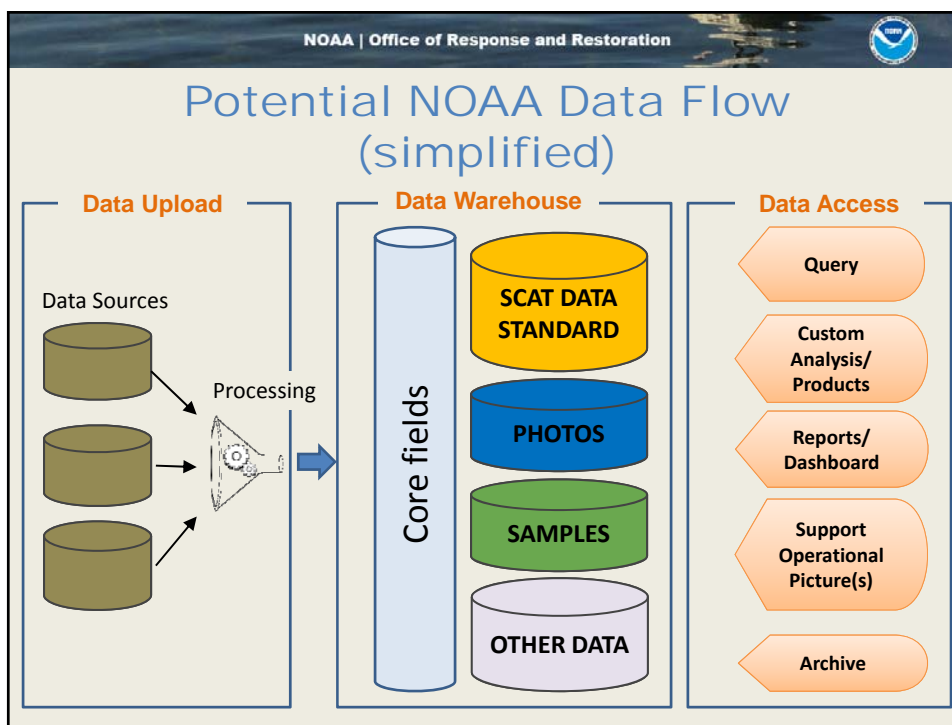
...and Flexibility

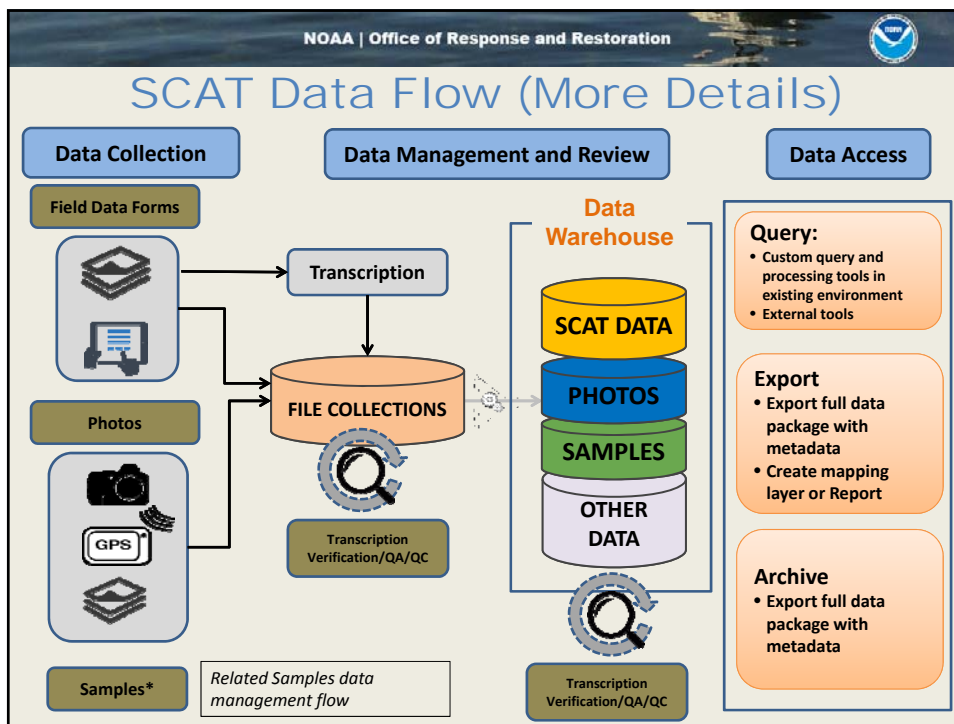
- Data Collection:
 - Paper notes
 - Digital data (e.g. transcribed notes to Excel/Access)
 - Electronic transmittal (e.g. handheld device)
 - Full package of information; related samples
 - Maintain litigation quality data
- Data Storage: ability to expand capacity

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Interoperability (Data In/Out)

- Based on SCAT Data Specification(s)
- Ingest full data packages from multiple sources
- Use or develop Electronic Data Deliverable (EDDs) templates
- Data Access: provide multiple ways to share full data packages
- Metadata driven – data providers create metadata; data management system generates metadata (ideal- mandated)





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Data Flow Even MORE Details

- Just kidding.