Metadata Repositories: Loosely-controlled Environments

- · Each discrete metadata dataset retains its independent identity
 - can be used without a union catalog
 - can exist in two places, may not be identical
- Multiple standards were applied
- Voluntary metadata sharing
 - no central authority / management
- Records were created by trained and untrained metadata authors

- Stand-alone databases/data sets
 - individual records
- Shared databases / repositories
 - Individual records
 - Converted records
 - Duplication

Measurement Aspects

Completeness Correctness

- content-info
- format
- input
- redundancy
- browser - data syntax

Consistency

- data recording
- source links
- ID and identifier
- source description - search results display
- mapping/integration

Duplication

- intra- & inter-collection

Quality Assurance

Make Policies:

- minimum quality requirements,
- quality measurement instruments,
- quality enforcement policies,
- quality enhancement actions, and
- the training of metadata creators.

Use Tools:

- Instructions
- Templates for input records, with suggested syntax, vocabularies, and built-in values
- Duplicate-checking algorithm

http://appling.kent.edu/NSDLMetadataQuality/

NSDL Metadata Repository Quality Analysis

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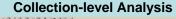


Sampling

Quality Analysis Worksheet			
Set Specification:		Records .	
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Sample-level Analysis

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Element-level Analysis





