

Aggregator Issues: **Deleted Records**

- indicated but transient
- reharvested soon enough no problem, mark our copy "deleted"
- reharvested as "disappeared" not indicated
- reharvested as "disappeared"

Solution?

- "Full reharvest"
- Mark all the site's records in **our** repository "deleted"
- Do a full harvest
 Ingest each newly retrieved record into **our** repository, "undeleting" if we over-write an old record

Aggregator Issues: Poor Quality Harvested Metadata

- What is poor quality?
 - OAI protocol problems
 XML problems
 - metadata "content" problems
 - it's a knowledge gap
- Solutions?
 - Clearer documentation
 - "OAI for Dummies" details coming up
 "XML for OAI Dummies" details coming up
 "Metadata for dummies" details coming up
 More, better self-test tools for sites ...

 - error messages for "dummies"
 stricter, more thorough OAI validation checking
 more XML schema validation of metadata
 - user friendly, extremely low entry
 OAI static repository

 - Normalize metadata locally

"OAI for Dummies"

- identifiers (OAI vs. DC; the need for persistence) datestamps (<responseDate> vs. header <datestamp> vs. dc:date; format confusion)
- tormat confusion)
 resumption Tokens (exclusive argument, stateless vs. stateful)
 chunk size recommendation or rule of thumb
 "stateless resumption token" general scheme for User Guidelines doc? (To be indicated via Jentify response description?)
 about containers and their use (additional examples)
 distinction between "about the metadata" and "about the resource" concepts (dcrights vs. rights described in about)
- - multiple metadata formato are allowed (many sites believe OAI means simple DC only)
 MUST have valid XML schema
 Web service vs. flat file
 HTTP vs. HTML

We offer: Donna Bergmark's OAI validation tool (email me to get more info)

"XML for OAI Dummies"

- encoding
 - XML encoding
 - character encoding (UTF-8, UTF-16, etc.)
 - URL encoding
- XML vs. URL vs. character
- Namespaces
 - what are they for? how are they used? full syntax explanation
 - declaration, prefix, URI, scope, default, missing ...
- XML schemas
- what are they for? how are they used?
- xsi:schemaLocation validation – what it will and won't find
- validators what's there, what's best for "my" site?

"Metadata for Dummies"

- simple DC vs. qualified DC
- What refers to metadata, what refers to resource?
 - Think identifiers
- Think rights
- other ...

We offer:

 Metadata Primer (currently being revised) email me to get URL

Normalize Metadata Locally

- Aim to improve services (e.g. search results)
- Improve quality when possible
 - Supply missing information, if known
 site is about Math; add "Mathematics" <dc:subject>
 - Correct wrong information, when possible
 - "text/pdf" \rightarrow "application/pdf" in <dc:format>
- for further details, read our paper Analyzing Metadata for Effective Use and Re-use, submitted to DC 2003
 email me to get URL for draft