

**Open Archives Work at  
Virginia Tech**



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# ***OAI - Related Projects***

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- Computer Science Teaching Center
- Web Characterization Repository
- VT-ETD
- USMARC XML-DTD
- NDLTD / MARIAN
- Repository Explorer
- Perl/Java Dienst subset implementation

# ***Organizational Issues***

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- No specific responsibilities for sections of OAi
- No public forum
- Inconsistency in versions of specifications
- Proposal:
  - More well-defined management of the OAi may avoid many organizational/technical problems

# ***Technical Issues - I***



- Partition Specifications
  - all nodes in partition name ?
  - two separators ?
  - overlapping ?
- Updates / Deletions
  - re-send updates ?
  - how do we handle deletions ?

# ***Technical Issues - II***



- Namespaces
  - oams vs OAMS
  - <oams:author> vs <author>
  - duplicates with different ids ?
- Versioning
  - simpler version numbers for protocol ?
  - internal metadata version number ?

# ***Technical Issues - III***



- Listings
  - to-date ?
  - count of records ?
  - lack of locking mechanism ?
- Character Sets / Markup
  - SGML character sets in XML ?
  - ISO 8879 vs Unicode ?
  - HTML for abstract formatting ?

# ***Technical Issues - IV***



- Special Collections
  - WCR, CSTC, VTETD - is OAMS appropriate ?
  - name/value pairs for metadata ?
  - bibliographies ?
- Dienst
  - fixed vs named parameters ?
  - entities in some URLs
  - Verb to get info. on archive eg. separator

# ***Technical Issues - V***



- Data Cleaning
  - how much ?
  - whitespace in generated XML