The Open Archives Initiative

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History

- UPS call by Ginsparg, Luce and Van de Sompel

- UPS protoproto by Krichel, Nelson and Van de Sompel

- Santa Fe meeting between the above plus Fox, Hanard, Lagoze and others, chaired by Lynch and Waters sponsored by CLIR, LANL and SPARC

Motivation

Overcome problems of interoperability

between eprint initiative

- poor metadata
- no uniform identifier structure
- unclear legal terms and conditions
- lack of selective harvesting

Business model

- Inspired by RePEc initiative
- Separation between data providers and service providers

Many archives

Many metadata collections

Many services

Technical model

- Subset of Dienst protocol used by NCSTRL

- Compatible archive respond to 4 requests
  - List-Partitions

  - List-Meta-Formats

  - List-Contents (partitionspec, file-after, meta-format)

  - Disseminate (fullID, meta-format, content-type)

Dublin Core-ish Minimal Metadata for selective harvesting

mandatory

- Title
- Date of Accession
- Full ID
- Author [R]

optional

- Display ID [R]
- Abstract
- Subject [R].
- Comment [R]
- Date for Discovery [R]

Current developments

- Implementation of Dienst subset
  - arXiv.org done
  - Cornell NCSTRL server done
- Second meeting at http://dl.cs.vt.edu/e/pub/mtgs/OAI200006
- ReCMaP full library of metadata

The rest you can see for yourself

http://www.openarchives.org