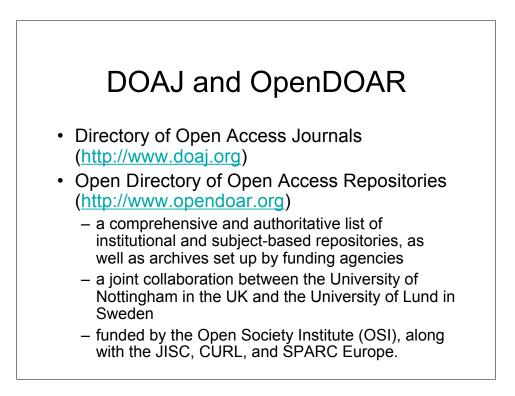
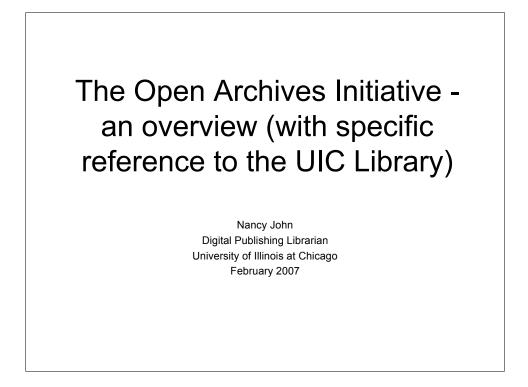


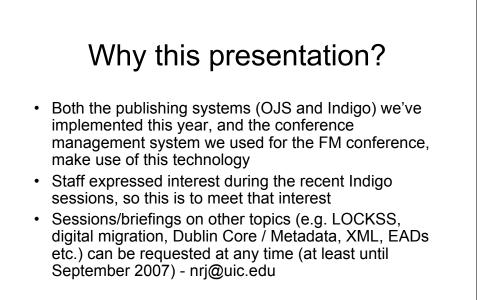
## SPARC - Scholarly Publishing and Academic Resources Coalition

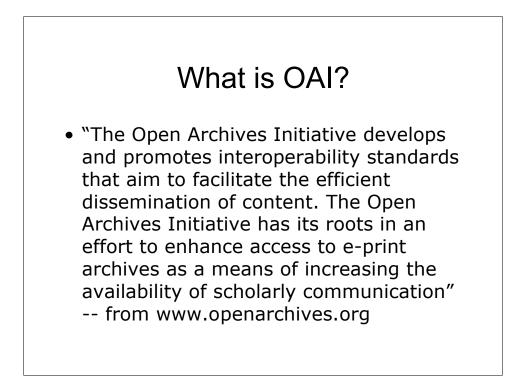
- Headquartered at ARL since 1998; SPARC Europe at Oxford since 2003
- Current director: Heather Joseph; SPARC Europe: David Prosser
- Membership organization
- <u>http://www.arl.org/sparc/</u>
- Working to support open access through free journals, more reasonably priced journals, developing tools and economic models
- UIC is a founding member







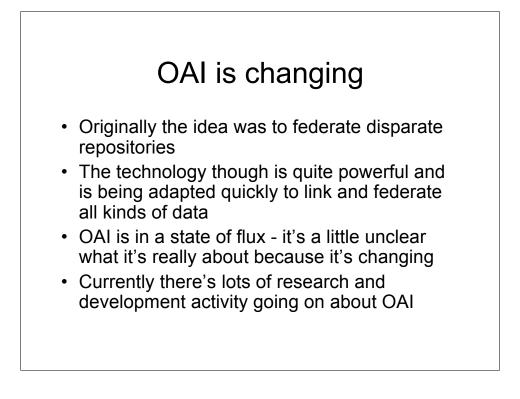




### OAI governance

#### Sponsors

- CNI (Coalition for Networked Information)
- Mellon Foundation
- Digital Library Federation
- National Science Foundation
- Executive
  - Carl Lagoze, Cornell
  - Herbert Van de Sompel, LANL



# What's the fuss about?

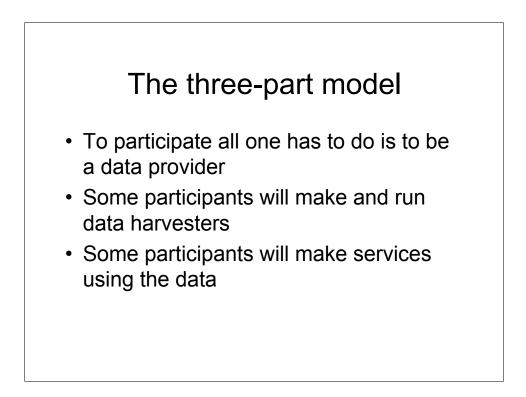
- When the idea for creating databases of library digital objects, of university faculty intellectual output etc. first was proposed, the biggest obstacle was the lack of a single front door
- Who wants to do 10 or 100 or 1000 separate searches?
- Would the owners of the databases have to specialize and host the subject materials of others?
- Couldn't there be an OCLC for these files? A portal? Could Z39.50 work?
- But would people deposit the records? How could we rationalize varying standards of practice?

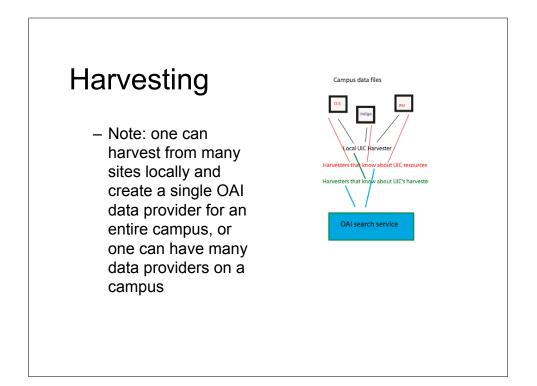
# Too much stuff, too much work

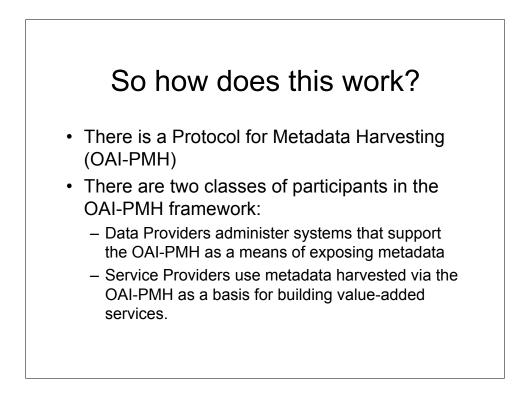
- The spectre of 100000s of items
- The notion that the records would be good enough but not 'catalog perfect' (e.g. authority control issues)
- The nagging question: can't the computer do this work for us?

#### The answer:OAI

- Three parts
  - Databases that could output their cataloging in a standard format automatically, much like a Web server serves up a Web page
  - Software (called a harvester) that could ask a database for its output and then store it, much like a Web spider
  - A service that could build the retrieved and stored data into a user-friendly way of searching the content of 1000s of databases, much like Google or Yahoo!
- Furthermore, if the data output contained a Web link for each object, the services would provide one-click access to the objects

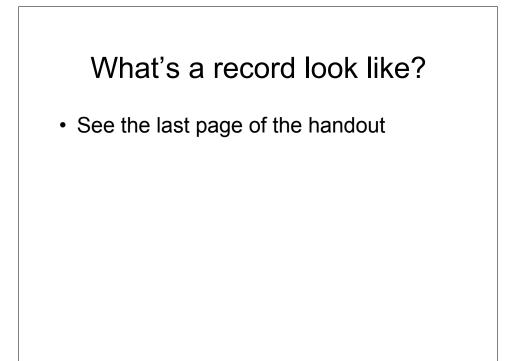


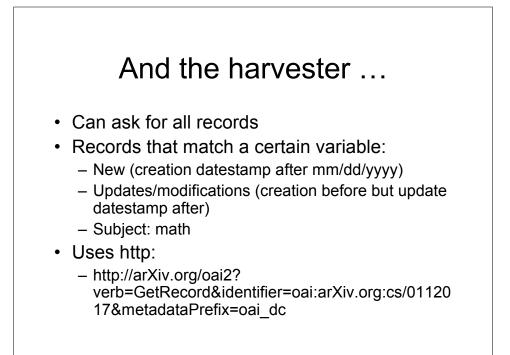


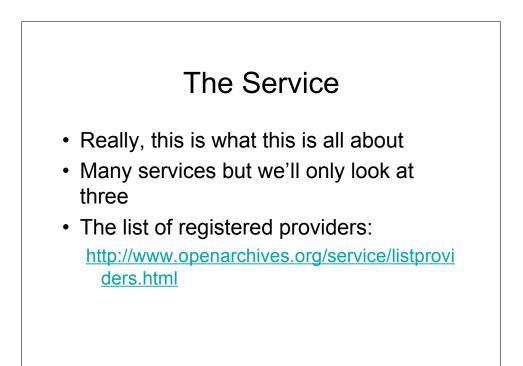


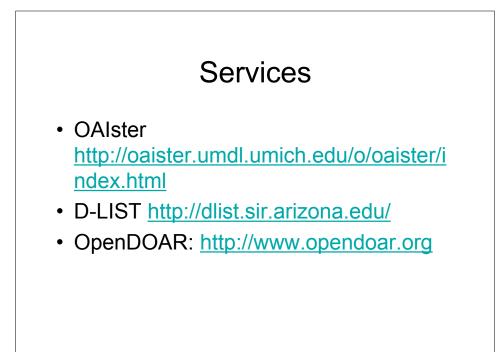
# **Duties of Data Providers**

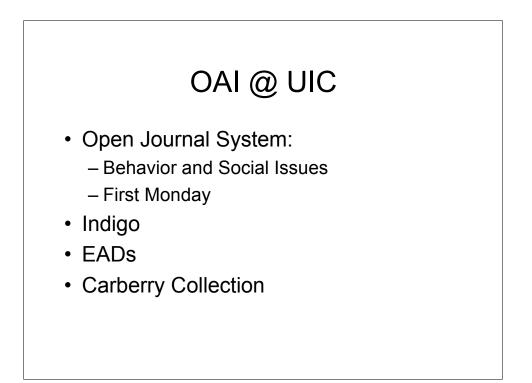
- Host a repository that is network accessible and can process the 6 OAI-PMH requests according to the protocol
- In response to a request from a harvester, the repository provides standard xml that contains the metadata
  - Metadata can exist pre-formatted or be generated on-thefly by the data provider
  - The metadata must be a 'known' format e.g. unqualified Dublin Core, METS
- Register at openarchives.org and pass their conformity test
- <u>http://www.openarchives.org/Register/BrowseSites</u>











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