

# Rights / Business Models in the NSDL

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## Some Recent History

- '96 Sept. – NSF ‘terms and conditions’
- '98 April – NSF/DLF/CRIA–Enabling Access in Dig Libs
- '98 April – Lynch, White Paper (Cross-Org Access Mgt)
- '99 Nov. – DLF Authentication technical architecture
- '00 Dec. – EPIC IP Policy Roundtable
- Internet2 “Shibboleth” authN/authZ technology

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## NSF/DLF/CRIA Workshop

Key properties for the design and adoption of systems that enable access for users while respecting the rights and interests of authors and publishers

- simplicity
- privacy
- good faith
- trusted intermediaries
- reasonable terms

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## EPIC Roundtable

- w/ Columbia Law School
- solicit comments & perspective
  - librarians
  - scientists
  - attorneys
  - disseminators
  - publishers

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## EPIC Roundtable

- Questions
  - What are the necessary/desirable components of a digital rights management system for an author? For publishers? For users?
  - What type of information and/or tracking would authors or other copyright owners want the system to provide with respect to their work?
  - To what extent is technological protection appropriate to ensure that users have valid access to the system and comply with any restrictions placed on the material by authors or other copyright owners?
  - To what extent is the technological protection appropriate to ensure that user are accessing the authentic version of the content?
  - How can a digital rights management system for educational materials provide an appropriate level of protection for authors and at the same time accommodate users' privileges, such as fair use?
  - What incentives would publishers have to participate in such a digital rights management system? What incentives would the system have to include them?
  - What effect would authors' participation in the NSDL rights management system have on their potential ability to publish their work through more traditional channels?

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## EPIC Roundtable

Two issues emerged as being of primary importance in the creation of a digital rights management system

- integrity
- payment

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## Integrity—authentication of digital materials

- context of creation
- provenance, handling
- independent authority
- “signatures”
- see *Authenticity in a Digital Environment* (CLIR, May 2000)

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## Payment—various models

- per use
- license
- debit account
- academic credit
  
- granularity / packaging matrix

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# Pricing Models . . .

	institutional license	institutional debit account	indiv package	per use
\$				
citation				
use in classroom				

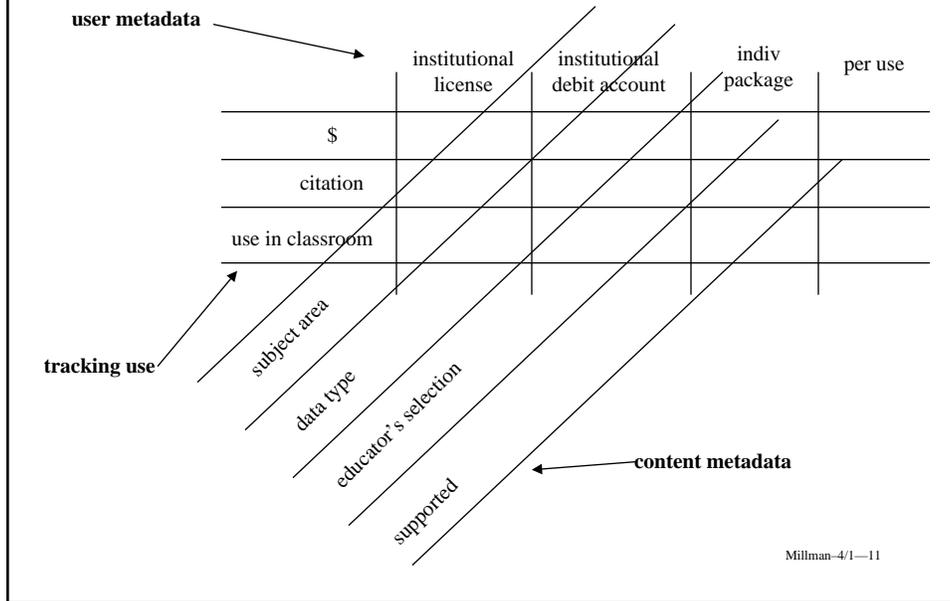
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# Pricing Models . . .

	institutional license	institutional debit account	indiv package	per use
\$				
citation				
use in classroom				
subject area				
data type				
educator's selection				
supported				

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## Pricing Models . . .



or also . . .

- charge for services?
- no charge for content?

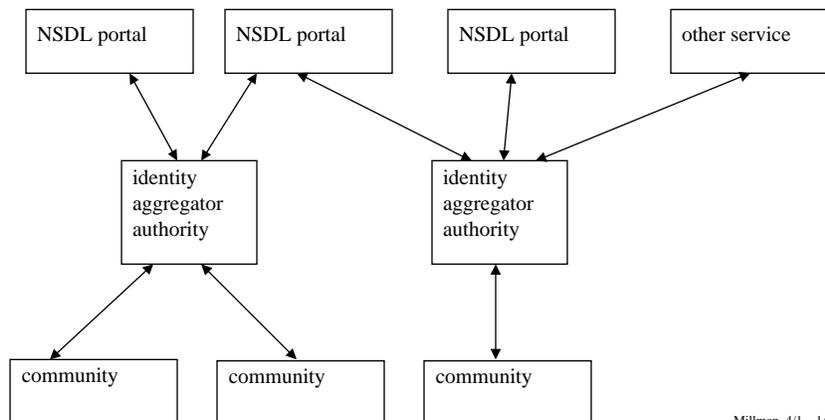
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# Identity and Privacy Management

- communities of use
- aggregation authorities
  - proxies
  - certificate authorities
  - trust/policy agreements
- reporting services

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## A Possible Architecture



Millman-4/1-14