



Cornell's Institutional Repositories

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Outline

- Institutional Repositories at CU
- How IR's are currently being used
- Relationship to digital archiving at CUL



Addressing the Crisis in Scholarly Communications

- Encourage the use of digital and institutional repositories by outreach to Faculty
 - Departmental talks
 - Symposia and
- Policies enacted at Cornell
 - [Archive policy for the Cornell Computer Science Department](#)
 - [Cornell University Faculty Senate Endorses Resolution on Open Access and Scholarly Communication](#)
- Education regarding 'green publishers'
 - <http://www.sherpa.ac.uk/romeo.php>
- Education regarding copyright
 - <http://www.arl.org/sparc/author/addendum.html>



CUL Institutional Repositories

- **Digital Publishing System (DPubS)**
 - <http://techreports.library.cornell.edu>
- **DSpace**
 - <http://dspace.library.cornell.edu>
- **arXiv (disciplinary repository)**
 - <http://www.arxiv.org>



techreports.library.cornell.edu

- Uses
 - Computer Science Department Technical Reports
 - Computing and Information Science Technical Reports
 - Cornell Theory Center Technical Reports
 - History and Theory of Machines and Mechanisms Technical Reports
 - Library Papers and Preprints
 - Watershed Management Papers
- Over 2000 articles (majority in Computer Science)
 - Self selected, self managed, self contributed, sys admin by CUL



dspace.library.cornell.edu

- Uses
 - Bio and Environmental Engineering Student Projects
 - Cornell University East Asia Papers
 - Cornell University Graduate School
 - Cornell University Library
 - Cornell University Professional Degree Programs
 - Internet-First University Press
- Self selected, self managed, sys admin by CUL



www.arXiv.org

- Uses
 - Preprints of Physics
 - Preprints in Computer Science
 - Preprints in Mathematics
- Over 250,000 objects (increasing by ~200 objects/day)
 - Self selected, self contributed, administered by CUL
 - 70% of articles ultimately appear in peer reviewed journals



A Few Lessons Learned

- Disciplinary Repositories more successful than Institutional ones
 - Faculty have greater allegiance to their disciplines than to their institutions or departments
- Focus initial efforts in one or two areas
 - Avoid the shotgun approach
- Set administrative/library policies
- Match level of commitment with resources available
- Have communities set and maintain their own policies and develop selection criteria
- Multiple repositories increase exposure
- Exposure encourages contribution
- Bubble up better than trickle down
- Learn patience



IR and Digital Preservation

- CU has a three year effort to develop an electronic archive based on OAIS
 - Policies and procedures
 - Functional specs
 - RFI/RFP
 - Development
- DPubS, DSpace, arXiv envisioned as multiple repositories in our OAIS implementation
- Additional repositories will be needed.



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