

*CREATING DIGITAL COMMUNITIES: MAKING NEW
OPPORTUNITIES FOR ACADEMIC & RESEARCH LIBRARIES*

presented by

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Outline

- IRs – Origin, Opportunities, Challenges
- DSpace
- QSpace – Project & Production
- E-Thesis Service

Repository Origins

- High price of scholarly pubs
- Delays in publication
- Limited access
- Impermanence of digital data: lost data or broken links

Opportunities

- 1st IRs vehicles for disseminating preliminary research results and non-peer reviewed literature – usually discipline-based: [arXiv](#), [CogPrints](#), [CoRR](#).
- Web-based, Open Access software, compliant with OAI standards (Eprints, Dspace, etc.)
- Institutional repositories providing dependable, persistent access to overcome “decay” of online citations
- OAI compliant harvesters ([OAIster](#), [CARL OAI Harvester](#)) which make multiple repositories accessible in one location
- [Google](#) & [Google Scholar](#) – broad-based OAI-compliant web h tools.

Challenges

- Intellectual property rights & copyright restrictions by publishers: [Sherpa & AJPD](#)
- Metadata – inconsistent application of standards (who does it, how thoroughly)
- Who has time?
- Flexibility – file updating/removal

What Are the Benefits?

- Increased visibility

[Open Access to Research Increases Citation Impact: technical report](#) by Hajjem, C., Y. Gingras, T. Brody, L. Carr, and S. Harnad (Montreal: Institut des Sciences Cognitives, Université du Québec à Montréal, 2005).

- Distribute links to your work so that you do not have to spend time finding files and sending them out as email attachments
- Maintain ownership of your own work and control who sees it
- Preserve digital, safe from loss or damage
- **Not** have to maintain a server & **Not** have to do anything complicated

Why DSpace?



- Persistent item identifier
- Easy “content management”
 - Centralized server management and space
 - Form based submission
- Community and author control
 - Submission process: review, metadata etc.
 - Anyone or restricted to Queen’s
- Open Source: freely distributed and user supported
- Growing support base in Canada & U.S.

Library engaged key partners (faculty, Archives, IT) and library staff throughout (2004-)

IR Home

QSpace: Queen's Institutional Repository Project

QSpace Repository

<p>Queen's IR Planning Team (2003)</p> <p>QSpace Project Plan</p> <p>QSpace Governance Structure</p> <p>QSpace Guidelines & Policies</p> <p>QSpace presentation [PowerPoint]</p>	<p>QSpace Manuals</p> <ul style="list-style-type: none">◆ Administration Guide [doc file]◆ Bulk Load Upload Guide [doc file]◆ Customization Guide [doc file]◆ Installation Guide [doc file]◆ Submitting Content [doc file]
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[Electronic Theses & Dissertations \(ETDs\)](#)



QSpace

QSpace Project

Early Adopters / Collections

- ❖ Art Department
- ❖ Faculty of Education. Bureau of Research
- ❖ Environmental Studies
- ❖ Graduate Studies – Theses
- ❖ News & Media Services
- ❖ Rehab Therapy
- ❖ Any interested faculty members

QSpace Production System

- ❖ *Integrated into the Library's existing information services*
- ❖ **Server:** Sun V240 + 4 x 146 GB drives – scalable
- ❖ **Dedicated Staff:** 1 programmer analyst (1 fte (6 mos.) then .5 fte + coordinator (.5 fte)
- ❖ **Governance:** Faculty Advisory Group + QSpace Operations Group

Content Decisions for Queen's

Space

- Project: limited by space to files under 2mb; all formats
- Production: all formats; storage 3 years + easy storage add-on to University network

Access & Preservation

- Can guarantee perpetual accessibility but not necessarily readability to changing file formats

Batch loading service

- Each case may have unique programming requirements

E-Thesis & IRs

- ❖ E-theses are a natural fit with IRs
- ❖ Help generate financial & other support from your academic community
- ❖ Some library IRs are wholly or largely e-thesis repositories, including U of Waterloo, U. Saskatchewan and U. of Manitoba.

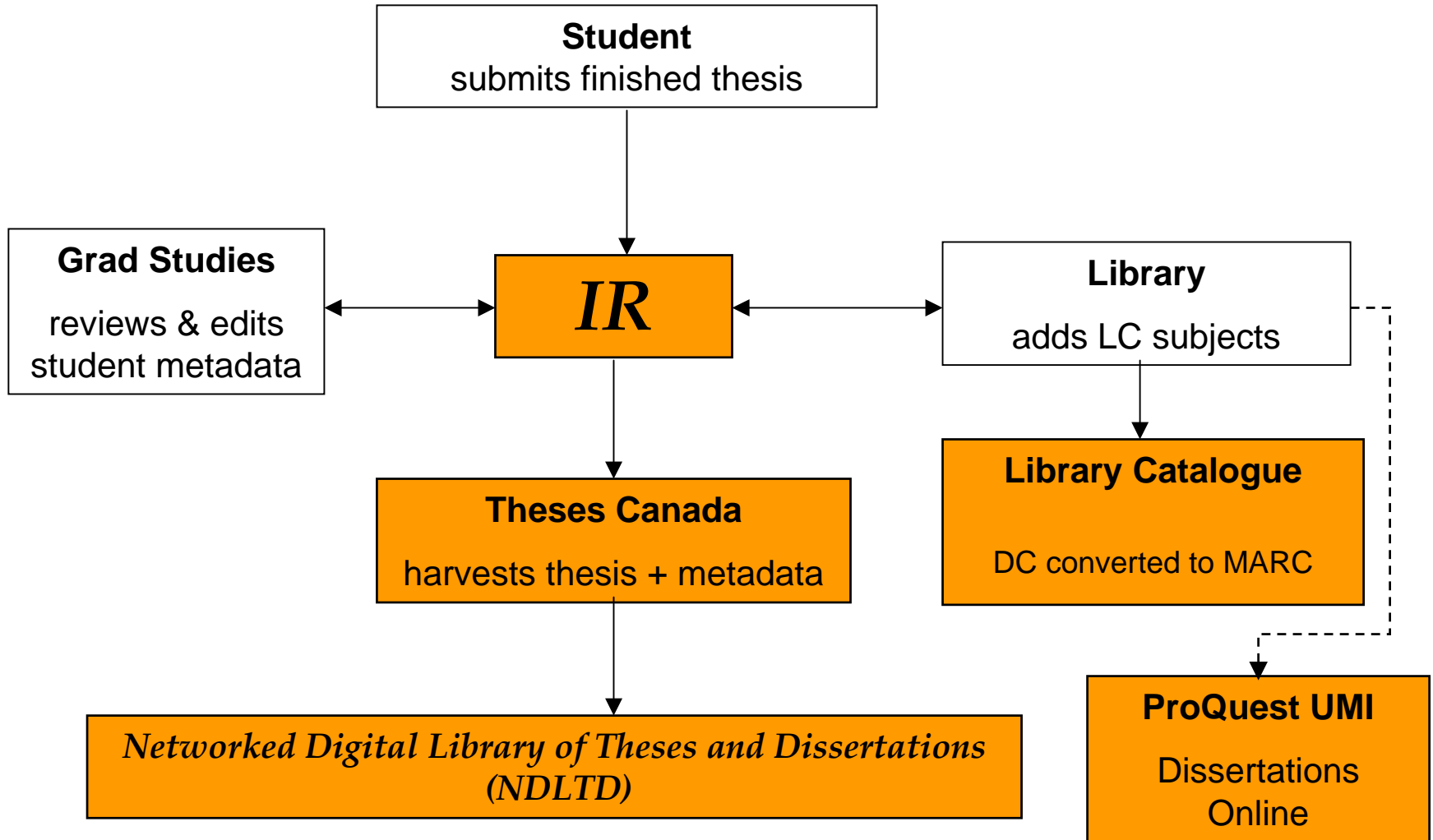
Queen's E-Theses Service Plan

- Enable electronic thesis submission by Queen's graduate students as alternative option to present print-only thesis submission policy.
- Make Queen's graduate research widely available, in a timely fashion, through deposit into QSpace + access via QCAT & Theses Canada.
- Significant potential savings in time & cost for Grad Studies & Library.

QSpace



E-Thesis Process



Community Workflow Options



QSpace

Simplest Workflow

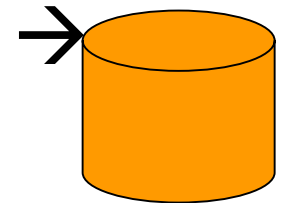


Submitter & Coordinator Workflow

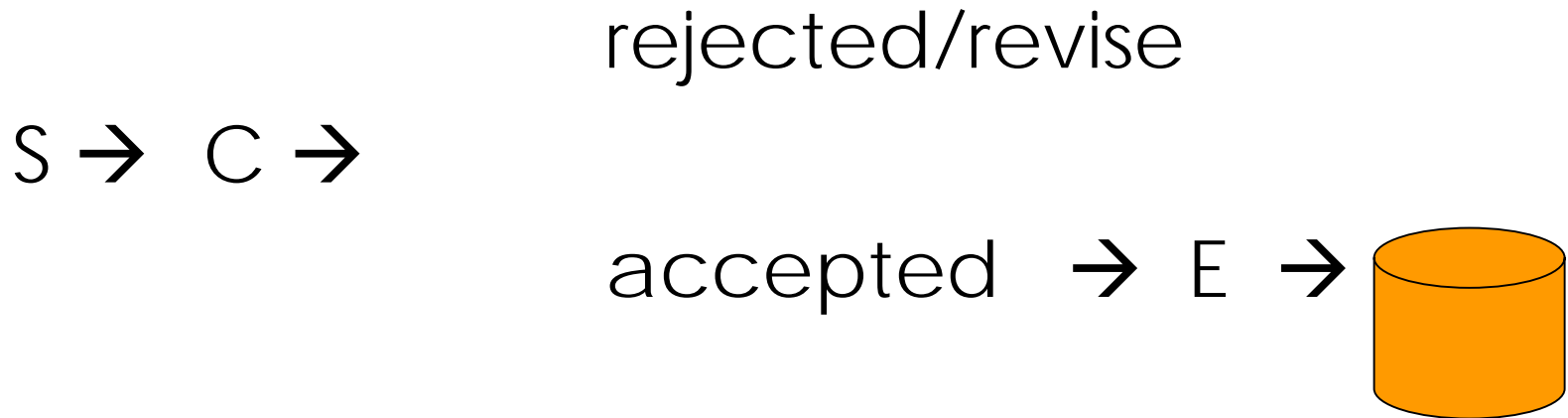
S → C →

rejected/revise

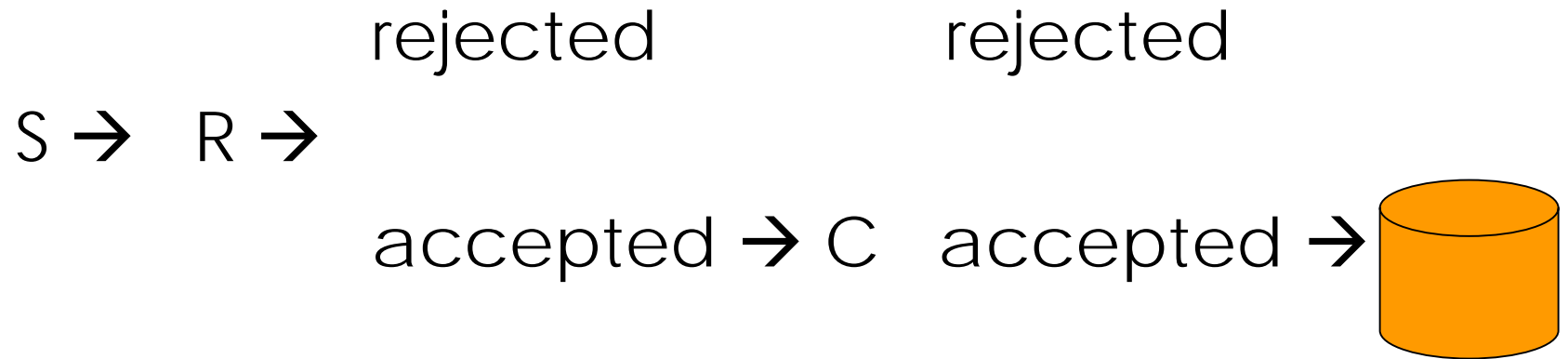
accepted



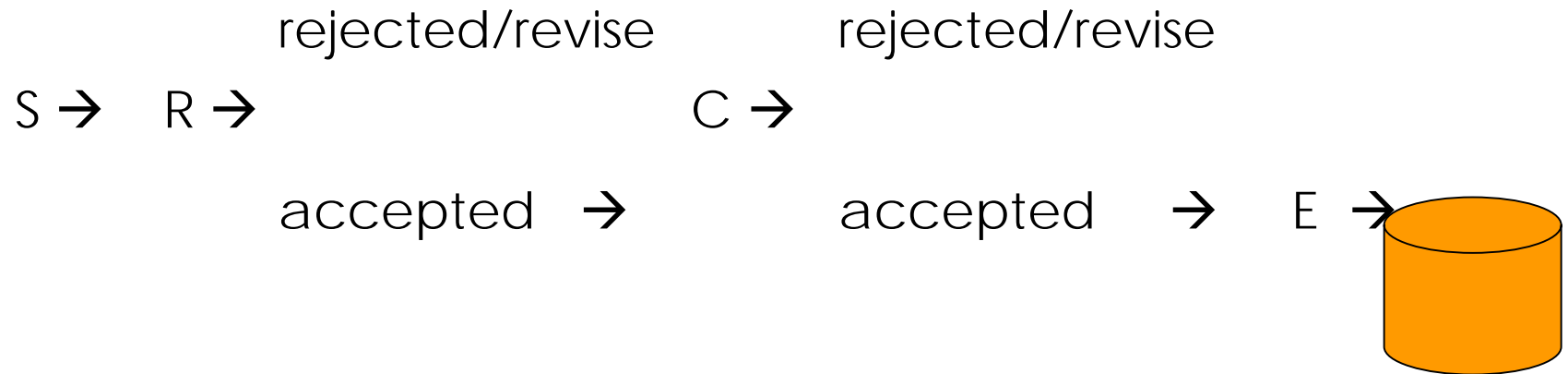
Metadata Editor Workflow



Reviewer/Coordinator Workflow



Most Complex Workflow



Who does what at Queen's

Library:

- Communities organization & support
- Metadata management (limited)
- User documentation, training, support
- Special Services, like batching loading of content

Who does what at Queen's

LIT & IT Services:

- Software installation and configuration
- Server management
- Storage management
- Technical user support

Content and Access Issues

- Who decides?
- Accessible to the world?
- Possible restrictions

Metadata Issues

- Basic facts
- Required and optional fields
- Making it easy for the submitter
- Possible workflow and quality control

Withdrawal, Retention, Versioning

- Can items ever be deleted, or only hidden?
- What do you do with old versions of items that have been updated?

Thanks

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QSpace

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Selected Resources

- **QSpace** <https://qspace.library.queensu.ca/>
- **T-Space** <https://tspace.library.utoronto.ca/index.jsp>
- DSpace Home Page www.dspace.org
- Electronic Theses/Dissertations (ETD) Resources
<http://library.queensu.ca/webir/e-theses/>
- QSpace Project Page
library.queensu.ca/webir/planning/qspace-project.htm