Background of the Project

• Project began in the Summer of 2005
• Seven Graduate Schools require thesis or dissertations at Rutgers
• Largest Graduate School - The Graduate School of New Brunswick collaborated in early development and pilot implementation
• May 2007 Pilot Implementation
  • Optional participation
  • Over 70 submissions
• 2008 – Two more Graduate Schools started using RUetd
• 2010 – All remaining Graduate Schools now use RUetd
• Over 1,500 papers have been submitted
• Currently averaging 500+ submissions per year
Detail of a Submission Process

• **Student**
  - Uploads main document (PDF/a) and supplementary files, if needed
  - Validates margins
  - Requests Embargo

• **Graduate School Reviewer**
  - Verifies paperwork is complete
  - Approves embargo if requested
  - Approves paper
  - Approves export to ProQuest/UMI
Detail of a Preservation and Access

- Main document, supplementary files and metadata are exported to our Workflow Management System, WMS
- Cataloger reviews and supplements metadata exported from RUetd
- Complete paper is ingested and preserved in RUcore
- Embargoed papers are ingested with a policy which blocks access to the main document
- Supplementary files are preserved but not accessible
- Search portals provide discovery and access
- Sitemaps for Google Scholar and other search engines are created
- Paper is exported from RUcore to the Rutgers Libraries Catalog
RUetd Submission Process and Life Cycle

1. Paperwork and defense completed offline
   - Student Submits Paper
     - Submit
     - Graduate School Reviews Submission
       - Approved
       - Paper is Exported
         - School approves export
         - METS/XML Object and files
           - Imported and cataloged
           - Paper is imported into the Workflow Management System
             - ProQuest/UMI
               - Exported in MARC
               - Rutgers Library Catalog, SIRSI
2. Discovery and retrieval of paper through search portals
   - Google Scholar Indexing
   - Other Search Engine Indexing
   - RUcore
     - Fedora based institutional repository
     - Added to repository
3. Access
   - IRIS
     - Discovery of paper through library catalog
About the Software

• Linux, Apache, MySQL, PHP (LAMP) application
• Production application runs on Solaris
• Margin checking is provided using Ghostscript functionality
• RUetd is a local implementation of the OpenETD product
• RUetd includes configurations and local policies
Open Source Development

- Development path is mainly dictated by the Rutgers user community
- Open Source Community can guide future development as well
- May - OpenETD became available
  - 50+ downloads in first week
  - Covered all major continents
- Committed to one major release per year
- Critical bug releases will be issued when needed in a timely manner
- Require acknowledgement on front page of OpenETD installation
- Open Source Project Page offers
  - List of known bugs and issues
  - Development path of OpenETD
  - Facility to communicate
Future Version of OpenETD

• LDAP Integration
• Improved User Management
• API for Exporting Papers
• API for Recording and Monitoring Submission Status
• Refactoring of Code Base to Modular/Pluggable Design