

The Royal Library of Denmark



Pubman Implementation – DISKURS project

Presentation at Pubman Days 2011

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Agenda



- Project purpose and requirements
- Solution: Pubman implementation!
- Strategy: Why Pubman?
- Practice: How to do it?
- Technical perspectives
- User perspectives
- Data integration perspectives
- Architecture
- Organizational perspectives
- Conclusions

Project Purpose and Requirements



- Main use case: students should be able to find and retrieve master thesis' in full text
- Requirement: repository with full text search
- Data entry, short term: university faculties libraries
- Data entry, long term: harvest from central university repository of student papers
- Data validation: library process department
- Export data to library catalogue and national catalogue search systems

Solution: Pubman implementation!



- Bibliographic records with full text of scholarly publications: sounds like PubMan!
- But: Specific, rather than general repository
- Outline for our implementation:
 - One publication “genre”: thesis
 - Several types of thesis’ (Master, Ph.D., gold medal)
 - A few extra fields
 - Translation of interface into Danish language
 - Adaptation rather than re-implementation
 - Configuration rather than code changes
 - Change the code when absolutely necessary

Strategy: Why Pubman?



- Main alternative: module for the university research registration system
- Or: relational database with web interface
- So why Pubman:
 - Build on knowledge of Escidoc from other project
 - Out-of-the-box facilities and features for a digital library service
 - Potential to expand backend repository to also hold primary data
 - Experience with open source projects and community cooperation

Practice: how to do it?



- Necessary to build our own version of Pubman (translation and adaptation)
 - Needed to download source code
 - Establish own Subversion code repository
 - Establish separate environments for testing and production
 - Create new property files for Danish language
 - Think aloud workshops with deposition users
 - Establish shared Issue Logs
 - Implement and test, implement and test...
 - Involve library users in testing
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Technical perspectives



- Changes to JSP's regarding how pages are displayed:
 - Adapt field content of pages to our use cases
 - Improvements to layout (html code)
- A few changes to fields demanded modification of java code
- Configuration changes, property files
- Login through WAYF service (Shibolleth)
- CONE database only little used
- Advice and instructions from MPDL
- Try and test!!!

User perspectives



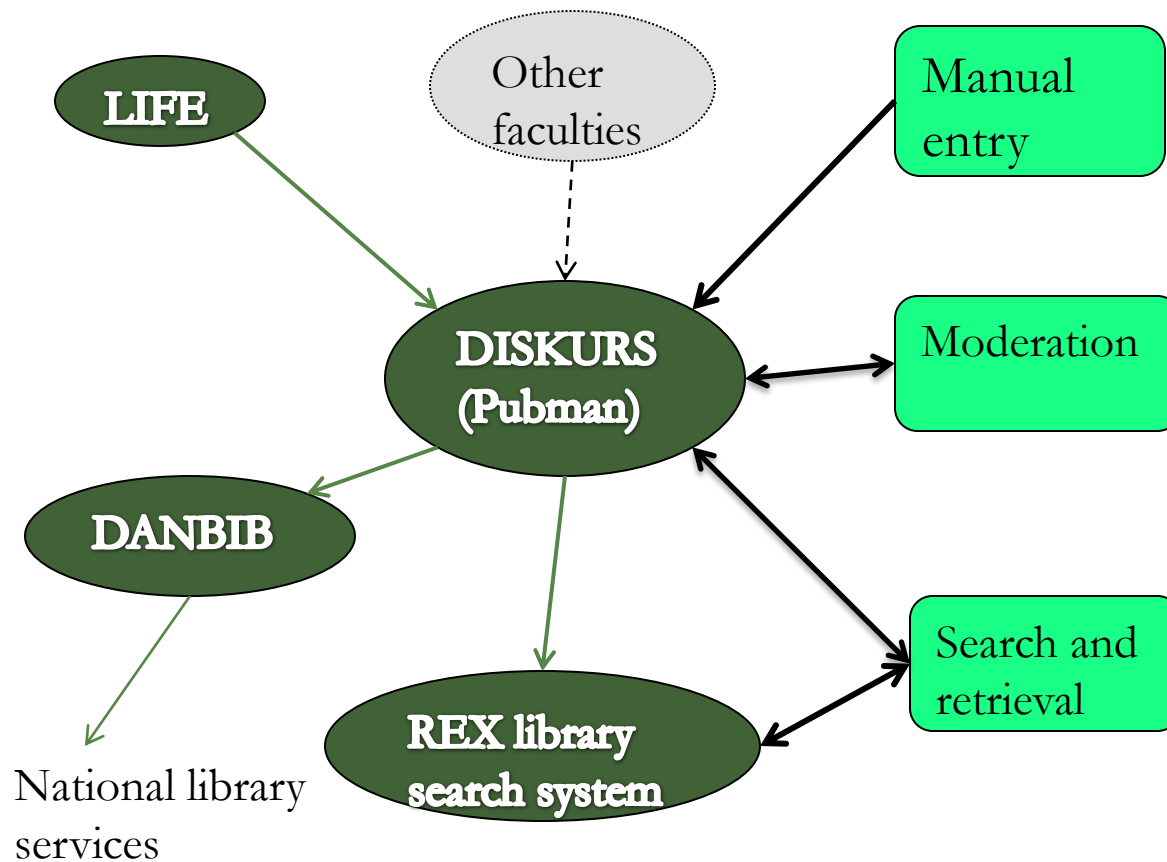
- Two types of users:
 - Deposition user (library or faculty staff)
 - End user (typically university student)
- User testing in phase 1: deposition only
 - *Easy submission* for office staff at faculty
 - *Full submission* for librarians
- Issues included:
 - Flow through screens
 - Understanding and entry format of specific fields
 - Web functionality and design
 - Error messages and error situations
 - Adaptation of terminology to university/library use

Data integration perspectives



- Import data from LIFE faculty student deposition facility
 - Establish OAI-PMH harvester
 - Load data into Pubman with SWORD interface
 - No support for embargoed publications!
- Export to library search system (rex.kb.dk)
 - Utilize Escidoc OAI-PMH provider
 - Import metadata into search index
 - Links to landing pages in DISKURS
- Export to national bibliography (Danbib)
 - Harvest from OAI-PMH
 - Transform to MARC and deliver regularly

Architecture



Organizational perspectives



- Project team
 - Java developers
 - Web and usability designer
 - Librarians/information specialists
 - Project manager
- But not (yet)
 - Graphic designer
- Open source perspective
 - Escidoc-dev-ext mailing list
 - Involve with COLAB wiki
 - Exchange information with MPDL

Conclusions



- It worked!! - *diskurs.kb.dk*
- Pubman portability out of MPDL environment is on the way, but still way to go!
- Important issues for us
 - Tools for repository management (by library staff)
 - Product as configurable as possible
 - Define new workflows?
 - Web design and usability
 - API's for import/export (most important OAI)
- Fantastic support and cooperation from MPDL, thank you!