Building a Repository Program in Two Months or Less: The Good, the Bad, and the Ugly

Abby Clobridge, Digital Initiatives Group Leader
Daniel Mancusi, Digital Projects Technologist
Laura Riskedahl, Metadata Librarian

CNI Spring 2008 Task Force Meeting – April 8, 2008

Lewisburg, PA.
Primarily an undergraduate institution.
Approx. 3600 undergraduate students.
300 FTE faculty.
Library & Information Technology Division – merged.
Institutional Repository Timeline

High-level IR planning discussions held Fall 2007

Jan. 31
Focus the Nation

10,000-Foot Planning
Support from the university’s administration vs. the library’s administration.

Self archiving does not work.
Open Access vs. “opening of access.”

Content: focus on the classics and on the extra stuff.

Don’t make it about the library.

- Cross-section of campus
- Variety of media
- Event driven
- Discrete starting and end points
- No library connection
- Opportunities for collaboration, ideally outside of the Bucknell community
Institutional Repository Timeline

Fall 2007

High-level IR planning discussions held

December 2007

Announcement of campus involvement in Focus the Nation (FtN)

January 2008

Jan. 2 - 5

Jan. 31

Contacted student FtN coordinator

Focus the Nation

From Bucknell University President Brian Mitchell to Faculty:

... We encourage your involvement in the Focus the Nation teach-in to the fullest extent possible. There are a number of ways in which you can directly participate:

1. Encourage your students to participate in the teach-in programming and activities being planned for that day.

2. Focus the subject matter of your own course activities that day to include, if not direct participation in teach-in programming, a discussion of some aspect of global warming and its implications.

3. Serve on an interdisciplinary panel discussion in the main forum of the teach-in. Bucknell University Environmental Center intern, Jessica Scott ’08, is organizing several of these throughout the day, and would be happy to find a place for you in the program.
Minutes

The December meeting of the Bucknell University Faculty was called to order by Faculty Chair Marty Ligare at 12:07 p.m. on Tuesday, December 4, 2007 in the Langone Center Forum.

* * * * * * *

Before the meeting was adjourned, Chair Ligare gave the floor to Jessica Scott, coordinator for Focus the Nation at Bucknell. Ms. Scott spoke passionately about this national initiative focused on global climate change, and encouraged everyone to get involved in the interdisciplinary panels and events scheduled for Thursday, January 31st, 2008. An enthusiastic round of applause followed her presentation.

Institutional Repository Timeline

Fall 2007
- High-level IR planning discussions held

December 2007
- Announcement of campus involvement in Focus the Nation (FtN)
- DSpace

January 2008
- Contacted student FtN coordinator

Jan. 31
- Focus the Nation

Jan. 6-8
- NITLE Liberal Arts Scholarly Repository (LASR) Meeting
NITLE Instructional Innovation Fund

To develop a framework of policy and best practices for a shared liberal arts scholarly repository.
Draft – Mission Statement for LASR:

Scholarship is a conversation that depends on the work of others. Vital to this exchange of ideas is the accessibility of research, criticism, and other scholarly and creative work to the larger community of scholars. The Liberal Arts Scholarly Repository is an openly accessible archive that documents the scholarly and other creative activity of the students, faculty, and staff of the participating institutions. It provides individual scholars at those institutions (and beyond) the opportunity to share, explore, discover, and evolve the ideas, experience, enquiry fundamental to liberal education.

LASR especially intends to showcase significant student work – such as senior theses and collaborative projects – that demonstrates the accomplishment of students at selective liberal arts colleges and universities and makes it available for world wide discovery and access.

Draft – Mission Statement for LASR – Continued:

The institutions participating in LASR comprise a community of practice exploring the benefits of cross-institutional collaboration in capturing, preserving and providing perpetual access to liberal arts scholarship through a shared repository. We promote awareness of and advocacy for the rights of creators and users of intellectual property, and the expertise gained by participating institutions is used locally and shared widely.
Events on campus were organized by students.
Institutional Repository Timeline

**High-level IR planning discussions held**
- Fall 2007

Announcement of campus involvement in Focus the Nation (FtN)
- December 2007

**DSpace installed locally & began work with hosted instance of DSpace through NITLE.**
- January 2008

Contacted student FtN coordinator

Jan. 2 - 5

Jan. 6 - 8

Jan. 22 - 30

Jan. 31

Focus the Nation

Video crash course

NITLE Liberal Arts Scholarly Repository (LASR) Meeting

Crash Course in Video Recording Live Events
Digital Archive:
- Accessibility
- Long-term storage, preservation
- Teaching tool
- Collaboration with other institutions

Public Relations Event:
- Focus on public web site
- Immediacy
- “Audio only event”
Institutional Repository Timeline

**Fall 2007**
- High-level IR planning discussions held

**December 2007**
- Announcement of campus involvement in Focus the Nation (FtN)

**January 2008**
- DSpace installed locally & began work with hosted instance of DSpace through NITLE
- Contacted student FtN coordinator

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Jan. 2 - 5
- DSFtN - 2008 - Bucknell University

Jan. 6 - 8
- Video crash course
- NITLE Liberal Arts Scholarly Repository (LASR) Meeting

Jan. 23 - 30
- DSFtN - 2008 - Bucknell University

Jan. 31
- Focus the Nation
Institutional Repository Timeline

**Fall 2007**
- High-level IR planning discussions held

**December 2007**
- Announcement of campus involvement in Focus the Nation (FtN)

**January 2008**
- Jan. 2 - 5
  - DSpace installed locally & began work with hosted repository of DSpace through NITLE
- Contacted student FtN coordinator

**February 2008**
- Jan. 6 - 8
  - NITLE Liberal Arts Scholarly Repository AAPS Meeting
- Jan. 23 - 30
  - Video crash course
- Feb. 1
  - Download, process images from FtN events
- Jan. 31
  - Focus the Nation
You agree that Bucknell University may, without changing the content, convert the submission to any medium or format and keep more than one copy for the purposes of preservation, security, and back up. You agree that Bucknell University may edit the submission to create an abbreviated version of the original (i.e., clips or highlights).

If the submission contains material for which you do not hold the copyright, you represent that you have obtained the unrestricted permission of the copyright owner to grant Bucknell University the rights required by this license, and that such third-party owner material is clearly identified and acknowledged within the text or content of the submission.
Publicly available? On the Internet?

Institutional Repository Timeline

**Fall 2007**
- High-level IR planning discussions held

**December 2007**
- Announcement of campus involvement in Focus the Nation (FtN)

**January 2008**
- DSpace installed locally & began with hosted instance of DSpace through NITLE
- Contacted student FtN coordinator

**February 2008**
- Jan. 2-5
  - NITLE Liberal Arts Scholarly Repository (LASR) Meeting
- Jan. 6-8
  - Focus the Nation Video crash course
- Jan. 31
  - Focus the Nation
- Feb. 1
  - Download, process images from FtN events
- Feb. 11
  - Focus the Nation in DSpace
- Feb. 13
  - Final version of license approved by University Counsel's office
- Feb. 14-March
  - Received signed licenses from FtN participants
- Feb. 14
  - License sent to rest of FtN participants
- Feb. 15
  - Copyright issue #1
- Feb. 17
  - Non-exclusive license – further drafts
- Feb. 18
  - Jan. 25-30
  - NITLE focus on FtN
- Feb. 19
  - Jan. 31
  - Focus the Nation in DSpace
- Feb. 7-12
  - Video crash course
- Feb. 10
  - Final version of license approved by University Counsel's office
- Feb. 14
  - License sent to faculty presenters
- Feb. 15
  - Copyright issue #1
- Feb. 16
  - Download, process images from FtN events
- Feb. 17
  - Focus the Nation in DSpace
- Feb. 18
  - Jan. 31
  - Focus the Nation in DSpace
- Feb. 19
  - Jan. 31
  - Focus the Nation in DSpace
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- Feb. 26
  - Jan. 31
  - Focus the Nation in DSpace
- Feb. 27
  - Jan. 31
  - Focus the Nation in DSpace
- Feb. 28
  - Jan. 31
  - Focus the Nation in DSpace
- Mar. 1-5
  - DSpace installation
- Mar. 6-8
  - NITLE Liberal Arts Scholarly Repository (LASR) Meeting
- Mar. 9-15
  - DSpace installation
- Mar. 16-22
  - NITLE focus on FtN
- Mar. 23-29
  - DSpace installation
- Mar. 30-April
  - DSpace installation
- April
  - DSpace installation
- May
  - DSpace installation
- June
  - DSpace installation
- July
  - DSpace installation
- August
  - DSpace installation
- September
  - DSpace installation
- October
  - DSpace installation
- November
  - DSpace installation
- December
  - DSpace installation

**Publicly available? On the Internet?**

**On the Internet?**

**Publicly available?**

**Institutional Repository Timeline**

**High-level IR planning discussions held**

**Announcement of campus involvement in Focus the Nation (FtN)**

**DSpace installed locally & began**

**Contacted student FtN coordinator**

**Download, process images from FtN events**

**NITLE Liberal Arts Scholarly Repository (LASR) Meeting**

**Focus the Nation Video crash course**

**Final version of license approved by University Counsel’s office**

**License sent to rest of FtN participants**

**Copyright issue #1**

**Received signed licenses from FtN participants**

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**Non-exclusive license – further drafts**

**Jan. 25-30**

**Jan. 31**

**Feb. 1**

**Feb. 11**

**Feb. 13**

**Feb. 14-March**

**Feb. 17**

**Feb. 18**

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**Feb. 28**

**Mar. 1-5**

**Mar. 6-8**

**Mar. 9-15**

**Mar. 23-29**

**April**

**May**

**June**

**September**

**October**

**November**

**December**
Institutional Repository Timeline

**Fall 2007**
- High-level IR planning discussions held

**December 2007**
- Announcement of campus involvement in Focus the Nation (FtN)

**January 2008**
- DSpace installed locally & began work with hosted instance of DSpace through NITLE
- Contacted student FtN coordinator

**February 2008**
- Jan. 2 - 5
  - NITLE Liberal Arts Scholarly Repository (LASR) Meeting
  - First draft of the non-exclusive license

- Jan. 6 - 8
  - Non-exclusive license - further drafts
  - Final version of license approved by University Counsel's office

- Jan. 31
  - Video crash course
  - First draft of the non-exclusive license

- Feb. 1
  - Download, encode video from FtN events
  - Download, process images from FtN events

- Feb. 2
  - Focus the Nation in DSpace

- Feb. 5 - 18
  - Determine video format specifications

- Feb. 7 - 12
  - Video crash course

- Feb. 11
  - Focus the Nation in DSpace

- Feb. 13
  - Final version of license approved by University Counsel's office

- Feb. 14
  - License sent to faculty presenters

- Feb. 15
  - Copyright issue #1
  - Received signed licenses from faculty

- Feb. 16
  - License sent to rest of FtN participants

- Feb. 17
  - Start to upload video to Onstream server

- Feb. 18
  - Video crash course
Video recorded during event

Imported to iMovie, saved to hard drive as an uncompressed .dv stream

Edited (separated) into one clip per presentation

Compressed the .dv stream to .mp4 using MPEG Streamclip

For 5.5 hours of video: 65 GB of disk space (~200 MB/min of video)

Settings:
Compression: H.264
Bitrate: ~1000 kilobits per second
De-interlace video
Size: 640x480
Audio: MPEG-4 AAC compression at 128 kbps
After compression: 5.5 hours of video = 3 GB (10 MB/min)
Video Processing Workflow (2)

1. Record video
   - Import to iMovie, save to hard drive as an uncompressed .dv stream

2. Edit

3. Prepare for archiving
   - Catalog, store archival footage

4. Compress and prepare for streaming – “hinting” the video

5. Publish to streaming server

6. Created cover page (PDF)

7. Uploaded to Onstream Server

8. Uploaded to DSpace

Workflow for Streaming Video (Ideal Scenario)
### Institutional Repository Timeline

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#### January 2008
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  - Copyright issue #1
- Feb. 15
  - Received signed licenses from faculty
  - License sent to rest of FtN participants
  - Copyright issue #1
- Feb. 16
  - Start to upload video to Onstream server
  - Metadata: create keywords for all expected records
- Feb. 17
  - License sent to rest of FtN participants
  - Web forms for submission uploaded
- Feb. 19
  - Final version of license approved by University Counsel's office
- Feb. 20
  - Metadada & Content Submissions

#### March 2008
- Feb. 7 - 12
  - Determine video format specifications
  - Web forms for submission uploaded
  - Metadata: create keywords for all expected records

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**Metadata and Content Submissions**
Submit to ScholarVault

To submit content to ScholarVault, please fill out the following form. You will need to provide this data for each document you wish to submit.

Here is a summary of the submission process:

1. Fill out the form with all available data for your document, and submit.
2. Click “Submit Anonymously” and repeat for all documents.
3. Before your material can be added to this repository, you will need to sign and submit a copy of the license agreement. After signing the document, you may scan it and submit it using this form, or hand in to the Reference Desk in Gardner Library.

Please email digital@bucknell.edu if you have any questions about the submission process.

* Indicates required field.

**Personal Information**

Your email address will be kept confidential.

Full Name* Email*@bucknell.edu

**File Information**

File Name* Title*

Date: MM DD YYYY

**Descriptive Information**

Please describe the context of this document.*

Provide some useful keywords to be used in searching for this document.

Please separate terms with commas.

Submit This Document
### Showing subjects 1260-1260 of 3086

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### Google Image

- Title: Bucknell
- Description: Focus the Nation.

### Table

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Institutional Repository Timeline

**Fall 2007**
- Initial IR planning discussions held

**December 2007**
- Announcement of campus involvement in Focus the Nation (FtN)

**January 2008**
- NIH mandate for open access

**February 2008**
- DSpace installed locally & began work with hosted instance of DSpace through NITLE
- Contacted student FtN coordinator

**March 2008**
-Next collections: contacted editors of student publications
- Shared discussions with two student publications who agreed to include their materials in the repository
Notice of Digital Archiving

• What we are doing
• Why are we creating a digital archive?
• What can you do to help?
• Logo and description
• Timeline
• Known copyright conflicts
• Questions or concerns…
An open access mandate for the NIH

From the SPARC Open Access Newsletter, January 2005
By Peter Suber

The day after Christmas, President Bush signed an executive order containing a provision requiring the US National Institutes of Health (NIH) to mandate open access for NIH-funded research.

Here’s the language he just became law:

"The Director of the National Institutes of Health shall require that all investigator initiated, or investigator initiated and peer reviewed, NIH funded research articles be made publicly available no later than 12 months after the official date of publication. Provided, that the NIH shall implement the public access policy in a manner consistent with copyright law."

The language is extremely sweeping, despite the 12 month embargo. Measured against the norms of opposition to the bill in Congress, it’s the biggest victory for the open access community. It’s only a partial victory, but it’s an important success. Massachusetts, OA advocates, and everyone concerned to advance medical knowledge, are in high spirits today.

It’s big for at least five reasons:

1) OA is now the OA mandate for a major public funding agency in the US. It’s also the first OA mandate for any government funding agency worldwide adopted by the federal legislature (rather than by the agency). This explains, OA advocates/publishers have been able to delay it for three years.

2) It comes after a long struggle. Congress asked for an OA mandate of sorts in 2003 but in 2005 the agency wanted a policy to respect rather than require OA. OA advocates have worked tirelessly to persuade Congress to strengthen its own laws. OA advocates have worked just as hard on the side, testifying the policy week and then to make the policy succeed in order to heed all criticism for a mandate.

Harvard to collect, disseminate scholarly articles for faculty

Legislation designed to allow greater worldwide access

By Robert Mitchell

In a move to disseminate faculty research and scholarship more broadly, the Faculty of Arts and Sciences (FAS) voted Tuesday (Feb. 13) to give the university a worldwide license to have all faculty members’ scholarly articles available and to exercise the copyright in the articles, provided that the articles are not sold for a profit.

In proposing the legislation, Stuart M. Schieber, a professor at FAS, said, “There is no question that scholarly journals have historically allowed scholars to distribute their research to audiences around the world. But, the scholarly publishing system has become far more restrictive than it need be. Many publishers will not even allow scholars to use and distribute their own work. And, the cost of journals has risen to such astronomical levels that many institutions and individuals have cancelled subscriptions, further reducing the circulation of scholars’ works.”
March 12, 2008
Lawrence Lessig
Bucknell University

Poster Session on Combining Teaching & Scholarship
Faculty Poster Session on Combining Teaching & Scholarship
Thursday, November 8, 2007
4:00 - 5:30 pm
Faculty members describe how they have successfully integrated scholarship and teaching.

Humanities
The Penalty of Choice: How the Classroom Reproduces New Scholarship
Presenters: Carol J. Larrabee, English
Two projects describe how students that emerged out of classroom practice to new academic disciplines.

Comparative Studies: How Textbook Interdisciplinary Courses Changed the Way Students Viewed Multicultural Literature
Presenters: Kathleen Drull, German and Humanities
Addressing the intellectual needs of students across disciplines and cultures.

Putting Theory into Practice: The Dynamics of Teaching and Research in an ESL, 1300: Theories of Pedagogy
Presenters: Patricia McManus, South Asian Languages
Using new methods of instruction, receiving critical feedback from students, and setting the mood for professional growth.

Engineering
Teaching Scholarship Connections in Geoenvironmental Engineering
Presenters: Jennifer C. Truva, Civil and Environmental Engineering
Through case studies, the students are familiarized with student projects and research developments in the course content.

What's in Your Water? Integrating research and teaching on the engineering of drinking water systems
Presenter: Mark Higgins, Civil and Environmental Engineering
Research conducted research on drinking water and its impacts to the classroom in several ways, including evaluation of student projects.

Teaching and Scholarship by Example of Engineering: One Mug's Approach
Presenter: Stuart A. Thomson, Engineering and Science, Physics, Mathematics, Computer Science
Research conducted on the design of laboratory exercises and providing a dynamic approach to student research.
Video

- Video recording events: challenges vs. rewards
- For users: stream or download → storage, bandwidth
- Time, resource investment
- Equipment
Collaboration: On campus, Off campus

Interdisciplinary Discussion Panels

On January 31, 2008 Bush-Jain invited the nation with events all day. We began with four interdisciplinary discussion panels, involving 17 professors from 15 departments on campus, with over 20 interdisciplinary attendees per panel. Each professor applied his or her scholarship in some way to the global climate change problem, speaking on three-person panels and taking questions from the audience. See an action of ideas and engages from the day’s events.

PowerPoint Presentations:
- Innovation in Organizations (Mark Covin)
- Climate change (Dennis Kozlowski)
- The current state of climate change (Jim Reynolds)
- Wind and solar energy have a global impact (Amitava Banerjee)
- Moving Progress to Environmental Change (Thomas D. Starlberg)
- Implementing change (Promin)
- Perceptions of climate change (Wayne Primmer)
- Trends in Public Opinion (Peter P. Whelpton)
- Shaping and winning, conditions for change (Amanda Roodin)
Cooperating with students, with faculty
What Worked Well

- Cross-section of campus
- Variety of media
- Discrete starting and end points
- Event driven
- No library connection
- Opportunities for collaboration, ideally outside of the Bucknell community
Acknowledgements

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- Selected photos from Christine Kassab
- University of Toronto [site visit]
- University of Rochester [site visit]
- Grinnell College [non-exclusive license]
- NITLE

Institutional Repository Timeline

**Fall 2007**
- High-level IR planning discussions held

**December 2007**
- Announcement of campus involvement in Focus the Nation (FtN)
- MH mandate for open access
- DSpace installed locally & began work with hosted instance of DSpace through NITLE

**January 2008**
- Dec. 26
  - NIH mandate for open access
- Jan. 2 - 5
  - DSpace installed locally & began work with hosted instance of DSpace through NITLE
- Jan. 6 - 8
  - Contacted student FtN coordinator
  - First draft of the non-exclusive license

**February 2008**
- Feb. 5 - 18
  - Download, encode video from FtN events
  - Determine video format specifications
- Feb. 7 - 12
  - Non-exclusive license – further drafts
- Feb. 11
  - Focus the Nation in DSpace
- Feb. 12
  - Harvard University Faculty of Arts & Sciences passed open access mandate
- Feb. 13
  - Final version of license approved by University Counsel’s office
- Feb. 14
  - License sent to rest of FtN participants
  - NTU’s liberal arts Scholarly Repository (LASR) Meeting
- Feb. 15
  - Copyright issue #1
- Feb. 16
  - License sent to rest of FtN participants
  - Copyright issue #1
- Feb. 17
  - License sent to rest of FtN participants
  - Web forms for submission upload
- Feb. 18 - 20
  - Marketable create keywords for all expected records
- Feb. 27
  - Next collections; contacted editors of student publications
  - Started discussions with two student publications who agreed to include their materials in the repository
- March 2008
  - March 1-8
  -开始了与两位学生出版物的合作，他们同意将他们的材料纳入repository。