Yes, We Have Some Data
The Challenges of Managing Research Data at a University

Eliot Wilczek
University Record Manager

Tufts University

Norwood, Massachusetts
September 16, 2010

NERCOMP SIG Workshop
Got Data?

Yes, We Have Some Data.

Overview

Tufts University
Surveying the Data & Researchers
Surveying Requirements
Services for the Data
Cost Modeling
Governance & Work
Got Data?

Yes, We Have Some Data.

Overview

Small Research University
Students 9200+
Faculty 1200+
Staff 3000
Campuses 3
Schools 9
Mascot Jumbo
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Overview

Tufts Research Cluster
October 2010 156TB
Storage Shares 50GB to 2TB
No cost to researcher
http://researchstorage.uit.tufts.edu/
RESEARCH SHARE OWNER

First*: Armand
Last*: Green
Affiliation*: Arts and Sciences
Email*: Armand.Greene@tufts.edu
UTLN*: 123
Affiliation Type*: Staff
Phone*: (617) 636-0000
Dept.*: Digital Collections & Archives

SUPERVISOR (Fields only required if share owner is a student.)

First*: 
Last*: 
Affiliation Type*: Faculty
Email*: 
Affiliation*: Arts and Sciences
Dept.*:

DATA STORAGE CHARACTERISTICS (Describe data and access characteristics.)

Project Title*: 
Mount on Research Computing Cluster*: No
Share Name*: 
NOTE: The share name should be all lowercase, contain no spaces or special characters, and should be at most 10 characters long.
Share Name*: 
Add Backup*: Yes
Incremental Request Size*: 0 (GB) New
Requested Date*: 09/21/10
Required By*: 10/05/10

Please indicate the additional storage you want us to provide to your existing share. If the share does not exist yet, please indicate the share size you want us to create.
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Surveying

Data &

Researchers

Diverse faculty & research data

Diverse data preservation needs

Surveys difficult to conduct

Difficult to know challenges
<table>
<thead>
<tr>
<th>Surveying Requirements</th>
<th>NIH</th>
<th>NSF</th>
</tr>
</thead>
</table>

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## Overview of Funders’ Data Policies

<table>
<thead>
<tr>
<th>Research Funders</th>
<th>Policy Coverage</th>
<th>Policy Stipulations</th>
<th>Support Provided</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHRC (Arts and Humanities Research Council)</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>BBSRC (Biotechnology &amp; Biological Sciences Research Council)</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>EPSRC (Engineering and Physical Sciences Research Council)</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>ESRC (Economic and Social Research Council)</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>MRC (Medical Research Council)</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>NERC (Natural Environment Research Council)</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>STFC (Science and Technology Facilities Council)</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Wellcome Trust</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

- **Full Coverage**: ●
- **Partial Coverage**: ○
- **No Coverage**: □

Digital Curation Center | [http://www.dcc.ac.uk/](http://www.dcc.ac.uk/)

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Services for Data

<table>
<thead>
<tr>
<th>Preservation vs. preservation</th>
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</thead>
<tbody>
<tr>
<td>Understandable through time</td>
</tr>
<tr>
<td>vs.</td>
</tr>
<tr>
<td>Bit-level preservation</td>
</tr>
</tbody>
</table>

Time

- 1 year
- 10 years
- life of institution

Preservation activities
Digital Curation Centre
Curation Lifecycle Model
http://www.dcc.ac.uk/resources/curation-lifecycle-model
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Services for Data

Preservation vs. preservation
Understandable through time vs.
Bit-level preservation

Time
1 year
10 years
life of institution

Preservation activities
Added value
Welcome!

A New Nation Votes is a searchable collection of election returns from the earliest years of American democracy. The data were compiled by Philip Lampi. The American Antiquarian Society and Tufts University Digital Collections and Archives have mounted it online for you with funding from the National Endowment for the Humanities.

Browse

By Candidate
View complete list of candidates and links to their elections.

By Office
View list of elections by the political office.

By Year
View all the elections available by year.

By State
View a list of elections by state.

Download Data
You may also download the election returns dataset for offline analysis. Visit our data download page for details.
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Cost Modeling

Most cost | creation & ingest
Direct vs. Indirect cost
Who pays?
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Governance & Work

Who does the work?
Metadata

Who decides who does the work?

Should we be doing this?

TRAC:
Trustworthy Repositories Audit & Certification: Criteria and Checklist

www.crl.edu/sites/default/files/attachments/pages/trac_0.pdf