Erasmus University Rotterdam’s approach to supporting researchers with data management and storage.

Session E4  
May 30, 2013  
Case Studies in Research Data Management

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Erasmus University Library Rotterdam  
http://www.eur.nl/edsc/
Programme

Cause

Actions
- Storage
- Data management

Project
- WP Process
- WP Infrastructure
- WP Awareness

Time frame

Questions
Cases of data fraud in NL and at the EUR itself

D. Stapel most well known but also two cases at the Erasmus University Rotterdam (D. Poldermans and D. Smeesters)

Policy from Funding Agencies/Universities
Actions

Nationally **Schuyt report**

Locally start Taskforce Scientific Integrity
Actions, nationally

From presentation at IDCC Conference 2013 by Peter van Doorn (DANS):

Slide 7 and 8
Actions, locally

ERIM-UL Pilot with the assumption:
Different datatypes having different workflows

Start with:
Experimental
Survey
Qualitative

Next:
Existing
Quantitative

(ERIM report: Management of Research Data 2012)
Storage

Dell cluster (Current research)

Dutch Dataverse Network (DDN) (Current research)

DANS, 3TU, Surf/SARA (Archived research)

(Back office / Front office model LDE and UKB)
### EUR University Dataverses

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
<th>Released</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERIM Experimental Data</td>
<td>EUR</td>
<td>Nov 13, 2012</td>
<td></td>
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<tr>
<td>ERIM Survey Data</td>
<td>EUR</td>
<td>Nov 13, 2012</td>
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<tr>
<td>ERIM Qualitative Data</td>
<td>EUR</td>
<td>Nov 13, 2012</td>
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Data management

Data management plans

Research data portal

Workshops
Data management plan

A research proposal is based on the six steps of the research process. In addition, the research proposal\(^1\) also includes information about the sponsor, the planning and a reference list.

Funding agencies increasingly expect to find information about the management of the expected research data in the proposal as well. The research proposal then includes a so-called data paragraph or it has a Data Management Plan (DMP) as an appendix: an agreement about which research data are stored where, when and in which format (organizing, describing, managing, archiving, and accessing data).

Below some examples of funding agencies and their requests for datamanagementplan or a data paragraph:
Research Data Management at Erasmus University Rotterdam

Project plan March – June 2013
WP Process

Inventory of user requirements through a Survey (Preliminary Survey results)

Data storage protocols + workflows

Pilot studies (DDN, EBL, Dell Cluster)

Organizational embedding
7. Please estimate the volume of research data across all of your work.

- 1GB
- 1-50 GB
- 50-100 GB
- 100-500 GB
- 500 GB - 1 TB
- 1-50 TB
- 50-100 TB
- >100 TBs
- I don't know

8. How frequently is your research data backed up?

- Daily
- Weekly
- Monthly
7. Please estimate the volume of research data across all of your work.

<table>
<thead>
<tr>
<th>Volume</th>
<th>Percentage reacties</th>
<th>Aantal reacties</th>
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</thead>
<tbody>
<tr>
<td>1GB</td>
<td>10,8%</td>
<td>53</td>
</tr>
<tr>
<td>1-50 GB</td>
<td>31,0%</td>
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<tr>
<td>50-100 GB</td>
<td>9,7%</td>
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<tr>
<td>100-500 GB</td>
<td>8,7%</td>
<td>43</td>
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<tr>
<td>500 GB - 1 TB</td>
<td>6,9%</td>
<td>34</td>
</tr>
<tr>
<td>1-50 TB</td>
<td>11,4%</td>
<td>56</td>
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<tr>
<td>50-100 TB</td>
<td>2,0%</td>
<td>10</td>
</tr>
<tr>
<td>&gt;100 TBs</td>
<td>1,0%</td>
<td>5</td>
</tr>
<tr>
<td>I don’t know</td>
<td>18,5%</td>
<td>91</td>
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beantwoorde vraag: 493
overgeslagen vraag: 24
WP Infrastructure

Data storage functionality

Problem: not much ICT knowledge in project group
<table>
<thead>
<tr>
<th>Process</th>
<th>Infrastructure</th>
<th>Awareness raising</th>
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</thead>
<tbody>
<tr>
<td>inventory of user requirements, data storage platforms, and protocols 2.2</td>
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<td></td>
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<tr>
<td>data storage protocols + workflows 2.3</td>
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<td>website 2.6</td>
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<td>pilot studies 2.4</td>
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<td>information desk 2.7</td>
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<tr>
<td>organisational embedding 2.5</td>
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<td>workshop data management 2.8</td>
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<td>commitment 2.9</td>
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<td>planning the next project phase, including selection of storage platform(s) 2.10</td>
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<td>protocols (continued) 2.12</td>
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<td>information desk (continued) 2.15</td>
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<td>pilot studies (continued) 2.13</td>
<td>data storage functionality 2.11</td>
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<td>organisational embedding (continued) 2.14</td>
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<td>commitment (continued) 2.16</td>
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WP Awareness

Website (Research matters but more interaction / overview relevant communities)

Information desk (part of EDSC?)

Workshops (Liaison Librarians / PhD’s / End of career researchers / Policy makers)
Erasmus Data Service Centre

The EDSC provides access to financial and social science databases and gives individual support and workshops for students and staff of the Erasmus University Rotterdam. For more information click here.
Timeframe

First part of the project ends in August 2013

Follow up should be ready end 2014???