SURVEYING THE DATA LIBERATORS: THE CANADIAN ACADEMIC DATA LANDSCAPE IN 2017

IASSIST & CARTO 2018
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DATA LIBERATION INITIATIVE (DLI)

- DLI Unit staff
- External Advisory Committee (EAC)
- Professional Development Committee (PDC)
- Contacts and alternates at each institution
BACKGROUND

2008

2012

2017
SURVEY OBJECTIVES

- Services, materials needed
- Satisfaction with services, DLI section
- Level of expertise
- Improvements to products, services, training, education programs
- New services
- New training and education

Evaluate  Identify  Develop
METHODOLOGY

Fall-Winter 2016
2012 survey revised

Spring 2017
Survey programmed by Survey Research Centre, University of Waterloo

June-July 2017
Survey run
Survey Results
Overall response rate

70%
DEMOGRAPHICS
YEARS AS A DLI CONTACT OR ALTERNATE

- <1 to 5 years: 41.9%
- 6 to 10 years: 25.7%
- 11 to 15 years: 13.5%
- >16 years: 18.9%
YEARS AS DLI CONTACT OR ALTERNATE - REGION

<table>
<thead>
<tr>
<th>Region</th>
<th>2012</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>8.53</td>
<td>8.64</td>
</tr>
<tr>
<td>Atlantic</td>
<td>7.27</td>
<td>10.27</td>
</tr>
<tr>
<td>Quebec</td>
<td>6.92</td>
<td>7.15</td>
</tr>
<tr>
<td>Ontario</td>
<td>9.36</td>
<td>9.58</td>
</tr>
<tr>
<td>West</td>
<td>9.09</td>
<td>7.50</td>
</tr>
</tbody>
</table>
DATA SERVICES
DATA SERVICES – DLI RELATED

- Provide access through data delivery system: 17.3%
- Back-up for contact: 25.3%
- Preparing geospatial files: 36.0%
- Preparing microdata files: 49.3%
- Providing access through website: 60.0%
- Instruction for end-users: 60.0%
- Promoting services: 78.7%
- Data reference services: 86.7%
- Locate data files: 92.0%

Other: 6.7%
DATA SERVICES - INSTITUTION

- Decisions about data collections: 44.0%
- Help with RDM questions: 53.3%
- Educate Library staff about data: 58.7%
- Teach access/use data delivery tools: 74.7%
- Microdata on demand: 81.3%

Percentage (%) of respondents
DATA SERVICES - OTHER

- Support for
  - Dataverse
  - Spatial data (GIS)
  - Data analysis, including Postal Code Conversion File (PCCF)
- Research Data Centre (RDC)
- Enhance metadata and use of datasets
- Develop, promote and deliver RDM
- Provincial and national initiative
USE OF DATA AND STATISTICS
FREQUENCY OF QUESTIONS

<table>
<thead>
<tr>
<th>Frequency</th>
<th>2012</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daily</td>
<td>37.3</td>
<td>26.7</td>
</tr>
<tr>
<td>Weekly</td>
<td>25.4</td>
<td>25.3</td>
</tr>
<tr>
<td>Monthly</td>
<td>25.3</td>
<td>16.4</td>
</tr>
<tr>
<td>Quarterly or less</td>
<td>20.9</td>
<td>22.7</td>
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INSTRUCTION-RELATED ACTIVITIES

<table>
<thead>
<tr>
<th>Types of instruction</th>
<th>Percentage (%) of respondents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orientation/training</td>
<td>53.3</td>
</tr>
<tr>
<td>Mention in classroom</td>
<td>65.3</td>
</tr>
<tr>
<td>Online tutorials</td>
<td>29.3</td>
</tr>
<tr>
<td>Other</td>
<td>14.7</td>
</tr>
<tr>
<td>No instruction</td>
<td>14.7</td>
</tr>
</tbody>
</table>

The diagram shows the percentage of respondents involved in different instruction-related activities.
Research Data Management (RDM)
RDM SERVICES AT LIBRARY

- No: 41.3%
- Yes: 48.0%
- Don’t know/unsure: 10.7%
WHO PROVIDES RDM SERVICES?

69.4%

respondent provides service
DLI TRAINING
# Attend Training

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Webinars</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>62</td>
<td>62</td>
</tr>
<tr>
<td>No</td>
<td>13</td>
<td>13</td>
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<tr>
<td>Never Attended</td>
<td>11</td>
<td>27</td>
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<tr>
<td><strong>National Training</strong></td>
<td></td>
<td></td>
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<tr>
<td>Yes</td>
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<td>48</td>
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<tr>
<td>No</td>
<td>7</td>
<td>11</td>
</tr>
<tr>
<td>Never Attended</td>
<td>16</td>
<td>23</td>
</tr>
<tr>
<td><strong>Boot Camp</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>50</td>
<td>52</td>
</tr>
<tr>
<td>No</td>
<td>16</td>
<td>23</td>
</tr>
<tr>
<td>Never Attended</td>
<td>14</td>
<td>2</td>
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<tr>
<td><strong>Regional workshops</strong></td>
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<td></td>
</tr>
<tr>
<td>Yes</td>
<td>62</td>
<td>59</td>
</tr>
<tr>
<td>No</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Never Attended</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

Number of respondents

- **Yes**
- **No**
- **Never Attended**
Reasons provided pertained to:

- funding
- proportion of data to entire job
- level of complexity of training
Other types of training

Workshops
- ACCOLEDS
- CARTO
- IASSIST
- Statistics Canada workshops

Programs
- ICPSR summer courses
- University of Alberta Winter Institute for Statistical Literacy

Courses
- GIS
- Python
- R
Connections

GIS

RDM

Canadian Data Landscape

- Frequency of face-to-face encounters
- Easier access to data and statistics

- Growth in uses of GIS
- Integration of GIS and data

- RDM front and centre