Data Liberation Initiative (DLI) Update

www.statcan.gc.ca

C. Ripp, DLI, Microdata Access Division
F. Sanjari, DLI, Microdata Access Division

2017 DLI Atlantic Training
Acadia University
Wolfville, Nova Scotia
Outline

• Organisational/staff changes
• DLI membership changes
• Changes in DLI committees
• Report on activities and projects from 2016-17
• Priorities for 2017-18
Changes in staff

The DLI team

- Farrah Sanjari, DDI Officer
- Nicole Allard, Clerical assistant
- Guillaume Déziel Bouton, DDI Coordinator
- Ginette Gervais, Chief
- Michael Braia, Data Coordinator
- Renée Rocan, Project Officer
- Chantal Ripp, Unit Head
DLI Membership

- Membership is at 78 post-secondary institutions
  - DLI welcomed a new post-secondary member in December, Trinity Western University, from Langley, BC.
  - Effective April 1 2017, following institutions have terminated their membership
    - Algoma University
    - Southern Alberta Institute of Technology (SAIT)
    - Georgian College
EAC Membership changes

The DLI’s objectives:

To promote a data use culture in Canada’s post secondary institutions, and
To ensure equitable and affordable access to Canadian public data to help support
teaching and academic research.

The EAC convene to ensure that the DLI objectives are met and advise on the strategic direction of
the program

- Atlantic:
  - Peter Webster – Saint Mary’s University – co-chair
  - Siobhan Hanratty – University of New-Brunswick
- Quebec
  - Nathalie Vachon – Institut national de la recherche scientifique
  - Gaston Quirion – Université Laval – co-chair
- Ontario
  - Vince Grey – Western University
  - Jeff Moon – Queen’s University
- West
  - James Doiron – University of Alberta
  - Gilbert Bede – Okanagan College
- Library Director
  - Carol Shepstone – Mount Royal University
- Statistics Canada
  - George Sciadas - Centre for Special Business Projects
  - David Price – Census Subject Matter
  - Jodie-Anne Brzozowski – Microdata Access Division
Professional Development Committee

PD Committee is for the ongoing development of a data services curriculum for post-secondary staff supporting the DLI at their institution.

- Liz Hill – Western University, Ontario – Chair

Regional Training Coordinators

- Atlantic
  - Carolyn DeLorey – St. Francis Xavier University
  - Julie Marcoux – Dalhousie University

- Quebec
  - Caroline Patenaude – Université de Montréal
  - Berenica Vejvoda – McGill University

- Ontario
  - Sandra Keys – University of Waterloo
  - Alex Cooper – Queen’s University

- West
  - Tara Stieglitz – Grant MacEwan University
  - Marilyn Andrews – University of Regina
Report on projects and activities 2016-17

• Reference services
• Training and Outreach
• DLI Survival Guide
• The DLI Collection
• Report/Metrics
• Infrastructure changes
Reference services

Activity on DLI list by year

Reference questions by source, 2016-2017

<table>
<thead>
<tr>
<th>Year</th>
<th>Messages</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005</td>
<td>1682</td>
</tr>
<tr>
<td>2006</td>
<td>1464</td>
</tr>
<tr>
<td>2007</td>
<td>1459</td>
</tr>
<tr>
<td>2008</td>
<td>1678</td>
</tr>
<tr>
<td>2009</td>
<td>1711</td>
</tr>
<tr>
<td>2010</td>
<td>1702</td>
</tr>
<tr>
<td>2011</td>
<td>1993</td>
</tr>
<tr>
<td>2012</td>
<td>1858</td>
</tr>
<tr>
<td>2013</td>
<td>1696</td>
</tr>
<tr>
<td>2014</td>
<td>1350</td>
</tr>
<tr>
<td>2015</td>
<td>1280</td>
</tr>
<tr>
<td>2016</td>
<td>535</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Month</th>
<th>Messages</th>
</tr>
</thead>
<tbody>
<tr>
<td>JULY</td>
<td>1</td>
</tr>
<tr>
<td>AUG</td>
<td>2</td>
</tr>
<tr>
<td>SEPT</td>
<td>2</td>
</tr>
<tr>
<td>OCT</td>
<td>0</td>
</tr>
<tr>
<td>NOV</td>
<td>0</td>
</tr>
<tr>
<td>DEC</td>
<td>2</td>
</tr>
<tr>
<td>JAN</td>
<td>3</td>
</tr>
<tr>
<td>FEB</td>
<td>2</td>
</tr>
<tr>
<td>MAR</td>
<td>1</td>
</tr>
</tbody>
</table>

Telephone
Email
dlilist
# Training and Outreach

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Atlantic Training</td>
<td>28</td>
<td>24</td>
<td>0</td>
<td>26</td>
<td>28</td>
</tr>
<tr>
<td>Quebec Training</td>
<td>15</td>
<td>23</td>
<td>0</td>
<td>27</td>
<td>24</td>
</tr>
<tr>
<td>Ontario Training</td>
<td>39</td>
<td>53</td>
<td>0</td>
<td>44</td>
<td>42</td>
</tr>
<tr>
<td>ACCOLEDS training</td>
<td>35</td>
<td>27</td>
<td>47</td>
<td>36</td>
<td>29</td>
</tr>
<tr>
<td>National Training Day</td>
<td></td>
<td></td>
<td></td>
<td>70</td>
<td></td>
</tr>
<tr>
<td>Boot Camp</td>
<td></td>
<td></td>
<td></td>
<td>54</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>117</td>
<td>127</td>
<td>171</td>
<td>133</td>
<td>123</td>
</tr>
</tbody>
</table>
## Training and Outreach

<table>
<thead>
<tr>
<th>Webinar sessions</th>
<th>Date</th>
<th>Participants¹</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DLI Bootcamp Series</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DLI Product Line and Beyond 20/20 Web Data Server (WDS)</td>
<td>14/06/2016</td>
<td>30</td>
</tr>
<tr>
<td>Deciphering the DLI Electronic File Transfer (EFT) service</td>
<td>19/07/2016</td>
<td>18</td>
</tr>
<tr>
<td>Nesstar and the new search feature</td>
<td>24/08/2016</td>
<td>23</td>
</tr>
<tr>
<td>The EFT new structure</td>
<td>20/10/2016</td>
<td>29</td>
</tr>
<tr>
<td>Nesstar and the new search feature</td>
<td>23/11/2016</td>
<td>28</td>
</tr>
<tr>
<td><strong>Statistics Canada Subject Matter</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The Social Policy Simulation Database and Model (SPSD/M)</td>
<td>14/12/2016</td>
<td>40</td>
</tr>
<tr>
<td>General Social Survey (GSS) Cycle 29</td>
<td>12/02/2017</td>
<td>11</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>179</strong></td>
</tr>
</tbody>
</table>
DLI Survival Guide

• Comprehensive update in 2016
• Collaborative endeavor by members of the DLI Team and the PD Committee
• Sections of the Guide have been restructured and new content has been developed
• The Guide will be published on the DLI Website April 2017
Table of Contents

- About the DLI
  - An Introduction to the DLI
  - The DLI Community
  - DLI Reports
- Administration
  - The DLI Licence
  - Password
  - DLI Contacts
  - DLI Training Sessions
  - Travel subsidies
  - Fees and Invoicing
  - Withdrawing from the DLI Program
- What is my Role as a DLI Contact
  - DLI Contacts
  - The DLI Graphic Identifier
  - Training and Professional Development
- Resources
  - The dlilist
  - The DLI Update Newsletter
  - The DLI Training Repository
  - Contacts

- Data Concepts
  - About Data
  - Statistical methods
  - Metadata
  - Aggregate Data
  - Microdata
  - Classification systems used at Statistics Canada
- Working with Data
  - Using Microdata Files
  - Statistical Analysis Software
  - Using Software
  - Geospatial Data
  - Using Geospatial Software
- Accessing and Citing DLI Data
  - What is in the DLI Collection
  - Accessing DLI Data
  - The DLI EFT Site
  - The DLI Nesstar
  - The WDS
  - DLI Mirror site
  - Secondary Data Distributers
  - Other Sources of Data
  - Citing Data
- Frequently Asked Questions
- Glossary
In 2016, the DLI collection grew with the addition of 21 new public use microdata files and other data products, including tables from the Canadian Business Patterns, Social Policy and Simulation Database and Model (SPSD/M) product, and Postal Code\textsuperscript{OM} data product files.

Cumulative Growth of PUMF Collection

- New PUMFs released
DLI Collection – Datasets coded in DDI

- DLI continues to expand its Nesstar collection holdings as new PUMFs and masterfiles are released.
- Completed the tagging of the LFS Rebased project, which totaled 336 files published to Nesstar

DATASETS CODED INTO DDI

- PUMF Datasets
- Masterfile Datasets

Bar chart showing datasets coded into DDI across years:
- 2014-2015: 89
- 2015-2016: 66
- 2016-2017: 58

Bar chart showing datasets coded into DDI across years:
- 2014-2015: 158
- 2015-2016: 10
- 2016-2017: 14
Reports/Metrics

• New report capabilities for Nesstar usage metrics, including:
  • Frequency of visits by Institution,
  • Datasets downloaded by institution, and
  • Top 5 files downloaded from the Nesstar
## Reports/Metric Nesstars

**Top 5 files downloaded from Nesstar, 2017***

<table>
<thead>
<tr>
<th>File Name</th>
<th>Number of downloads</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canadian Community Health Survey 2014 Annual Component</td>
<td>185</td>
</tr>
<tr>
<td>Census of Population 2006 Individuals File</td>
<td>179</td>
</tr>
<tr>
<td>General Social Survey 2013 Cycle 27: Social Identity</td>
<td>74</td>
</tr>
<tr>
<td>General Social Survey 2005 Cycle 19: Time Use Survey, Main File</td>
<td>52</td>
</tr>
<tr>
<td>Adult Education and Training Survey 2003 Main File</td>
<td>39</td>
</tr>
</tbody>
</table>

*January 1, 2017 to March 31, 2017
Reports/Metric Nesstars

Total files downloaded, per region, from Nesstar 2017

January
February
March

Atlantic | Quebec | Ontario | West

Month
Infrastructure changes - EFT

- August 2016 saw the DLI team consolidate and restructure the Electronic File Transfer (EFT) collection
- EFT safes follow the DLI Licence Agreement

<table>
<thead>
<tr>
<th>Pre review</th>
<th>Post review exercise</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAD_DLI</td>
<td>MAD_DLI_IDD_DAM</td>
<td>DLI Reports, CD-Rom products, data tables, geo files</td>
</tr>
<tr>
<td>MAD_PUMF</td>
<td>MAD_PUMF_FMGMD_DAM</td>
<td>PUMF’s and metadata</td>
</tr>
<tr>
<td>MAD_DLI_CIHI</td>
<td>MAD_CIHI_ICIS_DAM</td>
<td>CIHI Files</td>
</tr>
<tr>
<td>MAD_DLI_PCCF</td>
<td>MAD_PCCF_FCCP_DAM</td>
<td>PCCF Files</td>
</tr>
<tr>
<td></td>
<td>MAD_SPDSM_BDMSPS_DAM</td>
<td>The Social Policy Simulation Database and Model (SPSD/M) product</td>
</tr>
</tbody>
</table>
Infrastructure changes - EFT

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2615_WES_EMETE</td>
<td>Enquête canadienne sur le tabac, l'alcool et les drogues (2016)</td>
</tr>
<tr>
<td>2620_SFS_ESF</td>
<td>Enquête canadienne sur le tabac, l'alcool et les drogues (2015)</td>
</tr>
<tr>
<td>3107_LFS_EPA</td>
<td>Enquête canadienne sur le tabac, l'alcool et les drogues (2014)</td>
</tr>
<tr>
<td>3156_SLS_EAS</td>
<td>Enquête canadienne sur le tabac, l'alcool et les drogues (2013)</td>
</tr>
<tr>
<td>3217_CHS_ESE</td>
<td>Enquête canadienne sur le tabac, l'alcool et les drogues (2012)</td>
</tr>
<tr>
<td>3226_CCHS-Ann_ESCEAnn</td>
<td>Enquête canadienne sur le tabac, l'alcool et les drogues (2011)</td>
</tr>
<tr>
<td>3236_NPHS-HHS_ENSP-HHS</td>
<td>Enquête canadienne sur le tabac, l'alcool et les drogues (2010)</td>
</tr>
<tr>
<td>3250_APS_EAP</td>
<td>Enquête canadienne sur le tabac, l'alcool et les drogues (2009)</td>
</tr>
<tr>
<td>3251_CHDS_ESIC</td>
<td>Enquête canadienne sur le tabac, l'alcool et les drogues (2008)</td>
</tr>
<tr>
<td>3251_PALS_EPLA</td>
<td>Enquête canadienne sur le tabac, l'alcool et les drogues (2007)</td>
</tr>
<tr>
<td>3252_HALS_ESILA</td>
<td>Enquête canadienne sur le tabac, l'alcool et les drogues (2006)</td>
</tr>
<tr>
<td>3502_SCF_EFC</td>
<td>Enquête canadienne sur le tabac, l'alcool et les drogues (2005)</td>
</tr>
<tr>
<td>3503_FES_EDA</td>
<td>Enquête canadienne sur le tabac, l'alcool et les drogues (2004)</td>
</tr>
<tr>
<td>3504_FAMEX_FAMEX</td>
<td>Enquête canadienne sur le tabac, l'alcool et les drogues (2003)</td>
</tr>
<tr>
<td>3508_SHS_EDN</td>
<td>Enquête canadienne sur le tabac, l'alcool et les drogues (2002)</td>
</tr>
<tr>
<td>3701_RS_PRS</td>
<td>Enquête canadienne sur le tabac, l'alcool et les drogues (2001)</td>
</tr>
<tr>
<td>3801_SAVP_EAA</td>
<td>Enquête canadienne sur le tabac, l'alcool et les drogues (2000)</td>
</tr>
<tr>
<td>3804_SWH_ESAT</td>
<td>Enquête canadienne sur le tabac, l'alcool et les drogues (1999)</td>
</tr>
<tr>
<td>3805_AWS_EAT</td>
<td>Enquête canadienne sur le tabac, l'alcool et les drogues (1998)</td>
</tr>
<tr>
<td>3806_SVW_ETB</td>
<td>Enquête canadienne sur le tabac, l'alcool et les drogues (1997)</td>
</tr>
<tr>
<td>3808 SINC_EIFC</td>
<td>Enquête canadienne sur le tabac, l'alcool et les drogues (1996)</td>
</tr>
</tbody>
</table>

Connected to eftp-ptfet.statcan.gc.ca
Infrastructure changes - Listserv

- Email Transformation Initiative (ETI) is a Government of Canada project to replace the email systems of 43 federal organizations with one common system.

- Priority of our IT project team this past summer was to transition the DLI Listserv to the new service from the STC legacy emails.

- We successfully transitioned in July 2016 with no service outage.

- New list address: dlilist@idd-dli.statcan.gc.ca (redirect in place on old address)
Infrastructure changes – Metadata Search platform

• Launched the Beta Search platform in Feb 2016
• Performed client consultations at Regional training events and webinar sessions
• Work with IT to address search functionality, results, and the user experience
• Recent changes include:
  • The addition of the survey title in the variable search results;
  • The addition of new filters by file Type
  • Results for French characters
Infrastructure changes – Metadata Search platform

Search surveys and statistical products

Filter results by

Survey
Aboriginal Peoples Survey (6)
Absence from Work Survey (3)
Access and Support to Education and Training Survey (1)
Adult Education and Training Survey (2)
Adult Literacy and Life Skills Survey (1)

Search DLI variables

Filter results by

Survey
Aboriginal Peoples Survey (2740)
Absence from Work Survey (130)
Access and Support to Education and Training Survey (169)
Adult Education and Training Survey (173)
Adult Literacy and Life Skills Survey (54)

1. REC_NUM - Order of record in file
   Order of record in file
   1976-12

2. SURVEAR - Survey year
   Survey year
   1976-12

3. SURVMNTH - Survey month
   Survey month
   1976-12
## Infrastructure changes – Metadata Search platform

<table>
<thead>
<tr>
<th>Month</th>
<th>Visits</th>
</tr>
</thead>
<tbody>
<tr>
<td>March-17</td>
<td>162</td>
</tr>
<tr>
<td>Feb-17</td>
<td>136</td>
</tr>
<tr>
<td>Jan-17</td>
<td>86</td>
</tr>
<tr>
<td>Dec-16</td>
<td>23</td>
</tr>
<tr>
<td>Nov-16</td>
<td>62</td>
</tr>
</tbody>
</table>
Priorities and projects 2017-18

- DDI Gap Coding Project
- DLI Contact and Alternate Survey
- DLI Listserv Archive
- Inventory of datasets at risk of technological obsolescence
- WDS Server transformation
- DLI Update (Newsletter)
Priorities and projects 2017-18

• DDI Gap Coding Project
  • Funds have been secured over a three year reference period to support the tagging of microdata files in the Data Documentation Initiative (DDI) standard.
  • Established a metadata unit with part time student coders to apply DDI to PUMF and masterfiles as they are released
  • The metadata unit is also working with the DDI Alliance and a network of DDI users across Canada
Priorities and projects 2017-18

• DLI Contact and Alternate Survey
  • Undertake another iteration of the Survey of DLI Contacts
  • Gather the information required to evaluate the effectiveness of the services being provided
  • DLI and members of the Professional Development Committee have worked together on the development of the questionnaire
  • Timelines to launch the survey is summer 2017
Priorities and projects 2017-18

• DLI Listserv Archive
  • Client feedback reiterating value of archive
  • DLI working with IT Resources to make the contents of the server available to external users
  • IT is in the process of installing the archive in the Public Access Zone (PAZ) environment
  • To satisfy security requirements, access will be password protected.
  • Server and the archive application still to undergo review to satisfy IT security requirements
  • Estimated timelines for archive to be available would be end of summer 2017
Priorities and projects 2017-18

• Inventory of datasets at risk of technological obsolescence
  • Resulting from the fall 2016 EAC meeting, the DLI will commence identifying datasets within its collection that are at risk of technological obsolescence.
  • will share the inventory with members in the DLI Community, with the aim to:
    • Establish partnerships and collaborate to transforming data files
    • Ensure the long term preservation and access of the program’s digital assets.
Priorities and projects 2017-18

• Web Data Server (WDS) transformation
  • Beginning in the Spring of 2017, the DLI IT server team will begin a server transformation of the DLI’s WDS
  • Current environment is on a hosted server, planned to be decommissioned this summer
  • Interim solution, the WDS will be transitioned to the listserv server
  • A request for a new server has been send to Shared Service Canada (SSC)
  • The program anticipates transitioning to the new environment by the fall 2017.
Priorities and projects 2017-18

- DLI Update (Newsletter)
  - Published since 1997, the purpose of this newsletter is to build a sense of community among DLI contacts.
  - The last issue released was in 2015
  - Objective – form subcommittee with members from the DLI community
DLI Update

QUESTIONS

Contact us at
statcan.stcinet-dli-idd.statcan@canada.ca