

Dataset Builder Tool

Canadian Research Data Centre
Network
Statistics Canada
NADDI 2014





Outline

- Background of project
- Converted metadata
- Process of project
- Tools developed
- Licensing agreement
- Future metadata plans
- Benefits of Dataset Builder Tool
- Demonstration of tool

Background

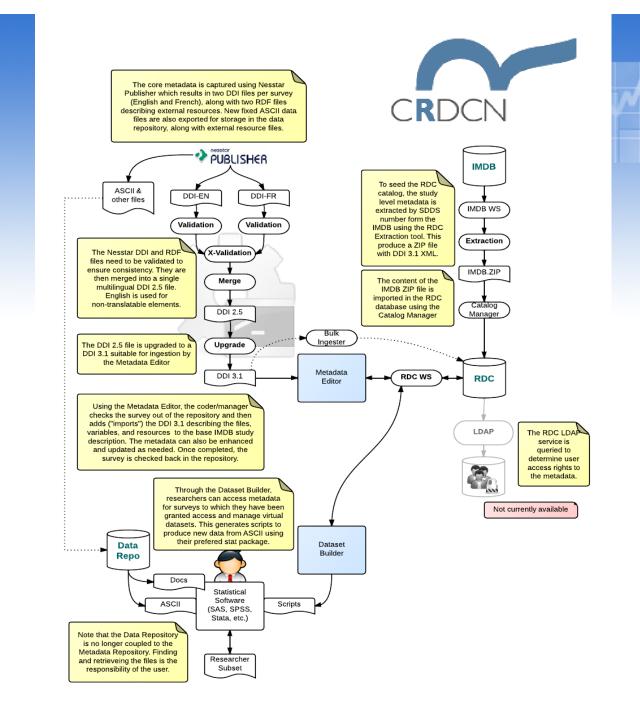
- In 2008 CRDCN received CFI funding
- Project completed April, 2013

Objectives

- Retrospective conversion of the metadata for the StatCan surveys in the RDC's to the DDI-Lifecycle standard
- Develop an editor tool to produce DDI-Lifecycle metadata
- Develop a search, discover and build tool for researchers

Converted Metadata

- Coded 100,000+ variables
- 200,000+ variables in both English and French
- Coded into DDI-Codebook:
 - 243 cycles of data
 - 39 surveys
- Upgraded into DDI-Lifecycle:
 - 223 cycles of data
 - 38 surveys



Tools Developed

- Tools used in coding/editing process
 - DDI registry/catalog
 - DDI base Editing suite and enhanced editor
 - Import/export tools
 - Quality assurance utility
 - IMDB DDI-L conversion tool

Dataset Builder Tool

Licensing Agreement

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Future Metadata Plans



- Statistics Canada is:
 - Short term
 - Coding 60 new cycles of data
 - Placing the DDI Codebook metadata in Nesstar on DLI site in a separate collection
 - Longer term
 - Developing a metadata strategy in which DDI may be named as one of the standards
 - Developing a common tool which exports metadata (codebook) into xml
- CRDCN plans to:
 - Eventually host the dataset builder on the CRDCN website

Benefits of Dataset Builder Tool

- Provides a single tool for researchers to search and discover survey metadata
- Survey metadata can be used to create better research proposals
- Ability to subset data and create the associated codebook/data dictionary documentation
- Makes research process more efficient by saving time and effort

Contact Information

Metadata Technology North America

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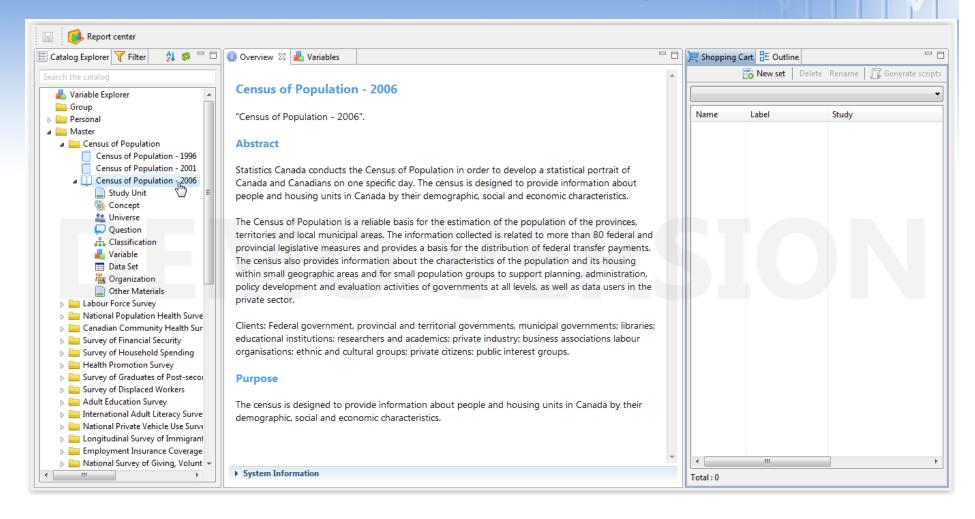
 Pamela Moren, Statistics Canada pamela.moren@statcan.gc.ca

Donna Dosman, Statistics Canada

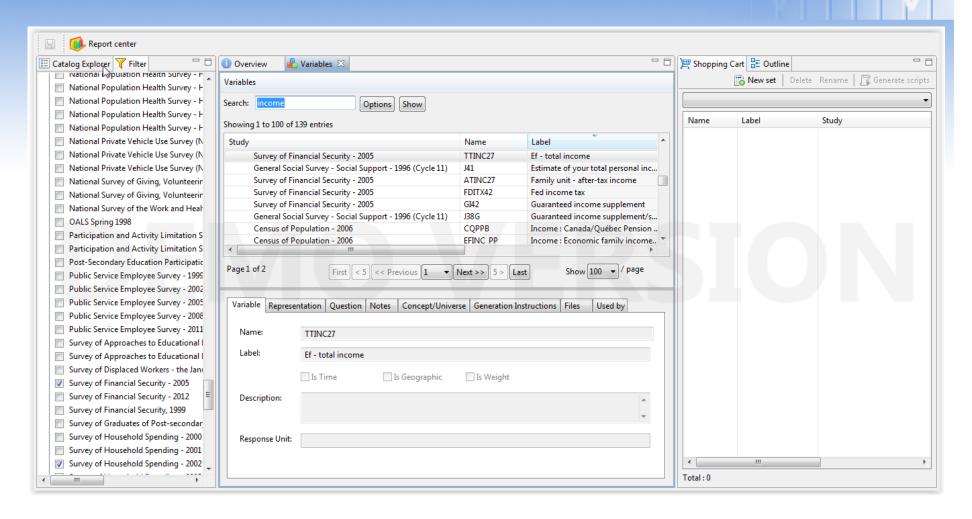
donna.dosman@statcan.gc.ca

Demo of Dataset Builder

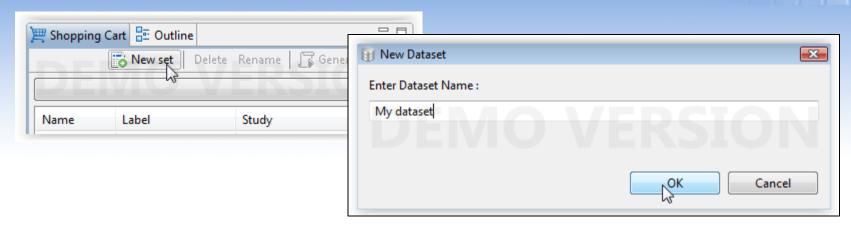
Dataset Builder: Homepage

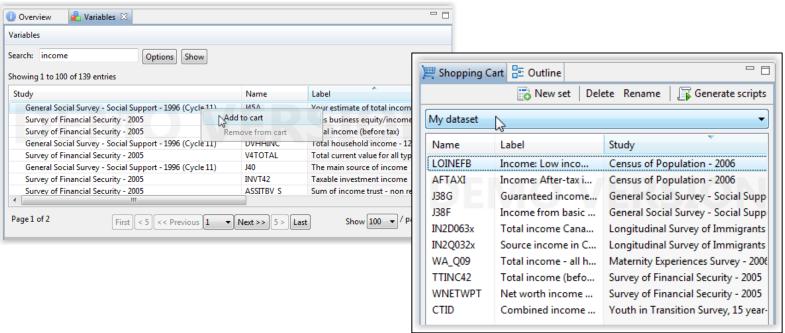


Dataset Builder: Variable Basket

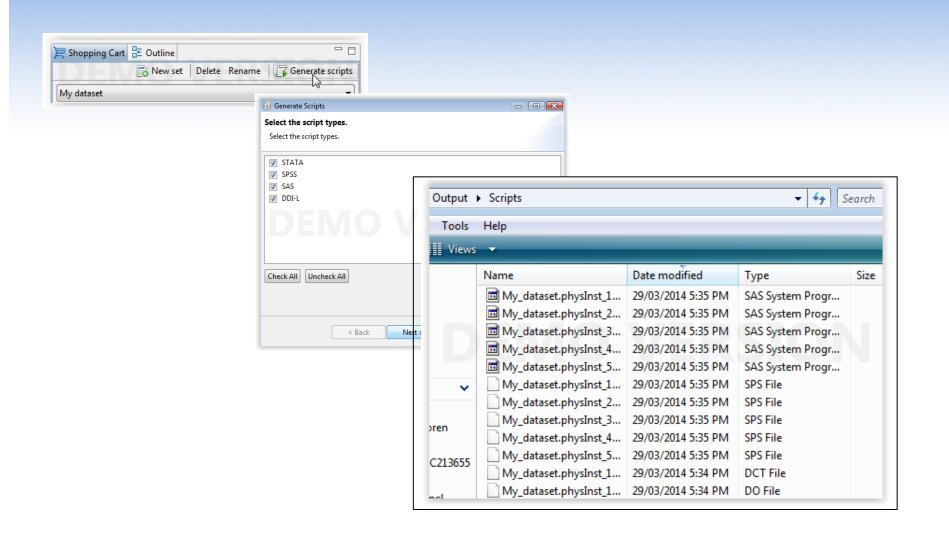


Dataset Builder: Creating New Dataset





Dataset Builder: Generating Scripts



Dataset Builder: Generating Codebooks

