Data Documentation Initiative: Metadata Specification for Research Data in Social and Behavioral Sciences

Mari Kleemola

Information Services Manager

Finnish Social Science Data Archive

mari.kleemola@uta.fi

In this presentation…

- Finnish Social Science Data Archive FSD
- DDI Basics
- DDI Codebook and DDI Lifecycle
- DDI Alliance
- How to Create DDI Metadata?
- Some Thoughts

Finnish Social Science Data Archive

The Finnish Social Science Data Archive (FSD) provides a single point of access to a wide range of digital research data for learning, teaching and research purposes. The archive is a national resource centre funded by the Ministry of Education and Culture. All services are free of charge.

The FSD promotes open access to research data as well as transparency, accumulation and efficient reuse of scientific research and is the first organisation in Finland to have been awarded the Data Seal of Approval (DSA).

› Read more on FSD

Finnish Social Science Data Archive

is a national resource centre for social science research and teaching.

Data Service Portal Aila

Browse, search and download - Aila provides access to data archived at the FSD.

FSD Bulletin

FSD Bulletin is the electronic newsletter of the Finnish Social Science Data Archive.

NEWS »

Open lecture on R
› Read more

EVA Survey on Finnish Values and Attitudes 2015
› Read more

Election Study forthcoming
› Read more

RECENT DATA RELEASES »

› European Social Survey 2012: Finnish Data

› University of Tampere Survey for Third-year Studen...

› Interpretation, Objectivity and Autonomy in Journa...

Data Service Portal AiLa ›

Aila provides access to data archived at the Finnish Social Science Data Archive.

Citing Archival Data ›

Data sources used in research must be cited accurately and in sufficient detail.

Data Management Guidelines ›

Best practice guidelines for managing research data across the whole life cycle of data.

FSD Bulleti...

FSD Bulleti... newslette... Science D...

TAMPEREEN YLIOPISTO   <ddi>   cessda   DSA 2014 2015

2014 DSA 2015

The Finnish Social Science Data Archive

- National resource center for research and teaching for social sciences
  - 2015 > health research and humanities
- Basic services free of charge
  - data curation, long-term preservation, information services, consultation in data management planning, data dissemination for secondary use
- National Service Provider for CESSDA

Data disseminated by FSD 2011 – 15.9.2015
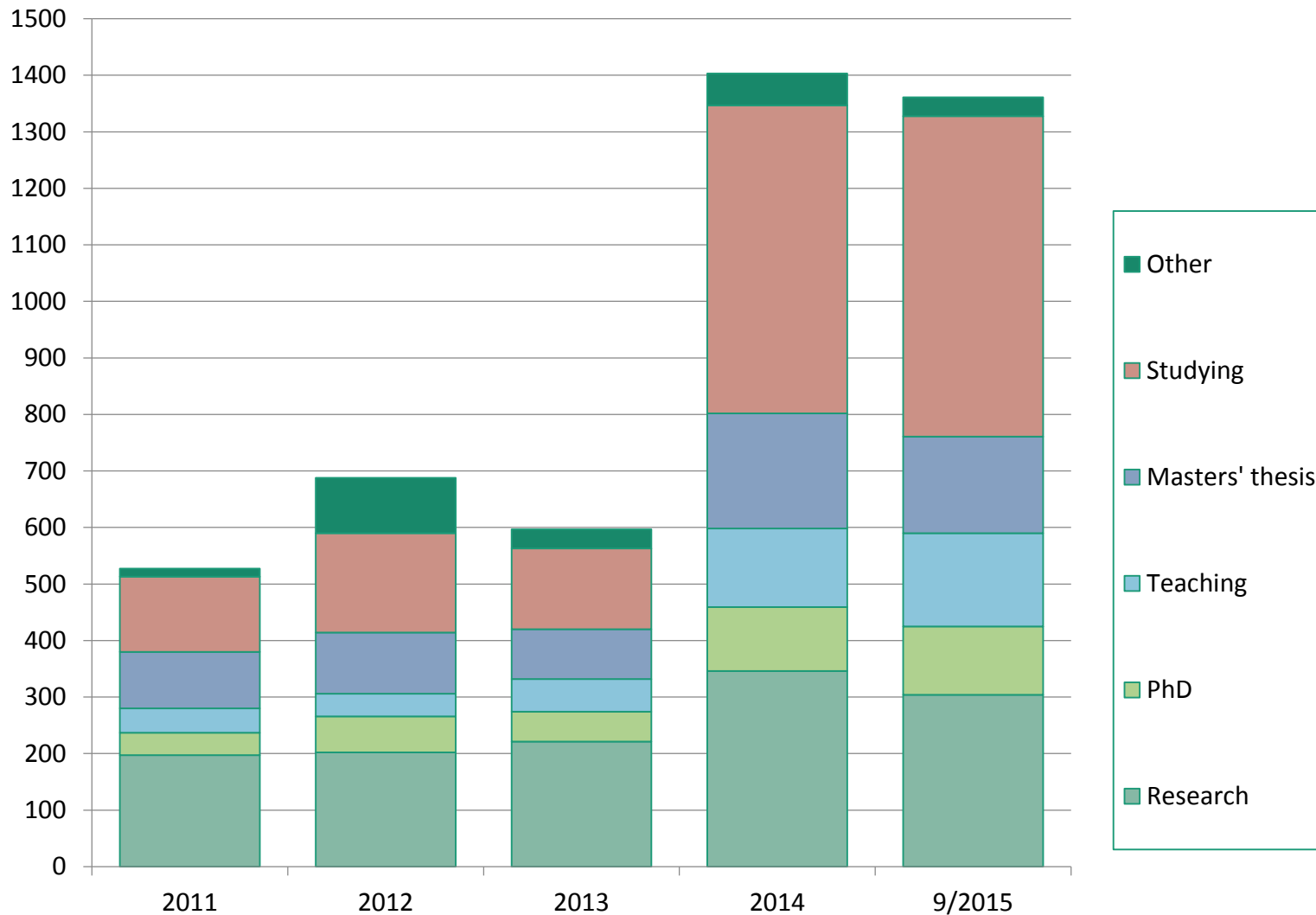
- The launch of Aila Portal in May 2014 made data access easier

Aila

Data   Search   Help

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Aila Data Service

Aila provides access to datasets archived at the Finnish Social Science Data Archive and their study descriptions in Finnish and English.

All users can browse and search data, read study descriptions and download open access data. By registering, users can download data which have access conditions. Services are free of charge.

Students and staff from Finnish universities can register with Aila using the username and password issued by their institution (HAKA authentication). Other users apply for a username from FSD User Services.

1. **Log in to Aila**

   LOGIN

2. **Find relevant data**

3. **Download data easily and quickly**

Maintenance window on Tuesdays 7-10 am

Log in

New user? Register.

News

> Seminar on Data Reuse and Aila Data Service in Tampere on 17 September

> Summer 2015 opening hours

> Aila experiences reported in FSD Bulletin

Data catalogue
Browse, search and download data

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Read instructions for using the service

Terms and Conditions
Read conditions for Aila use

https://services.fsd.uta.fi/

🏠 / Data catalogue

Display study descriptions in [English ▾]

Study descriptions in English

In total 1172 datasets.

Use the arrows to sort the study descriptions by ID number, title, availability, data type or publication date. More information on terms and conditions.

Dataset availability:
(A) available for all users without registration,
(B) available for research, teaching and study,
(C) available for research (including Master's, licentiate and doctoral theses),
(D) available with permission from the data depositor/creator.

On our website you can browse archived data by keyword, topic and series.

◀ ▶	1 2 3 ⋯ 24			Display per page [50 ▾] datasets.

Data ID ▲ ▼	Title ▲ ▼	Availability ▲ ▼	Type ▲ ▼	Published ▲ ▼
FSD2922	European Social Survey 2012: Finnish Data	B	Quanti	2015-08-27
FSD2911	University of Tampere Survey for Third-year Students 2012	B	Quanti	2015-08-25
FSD3041	Interpretation, Objectivity and Autonomy in Journalists' Work in Finland 2013	B	Quanti	2015-08-24
FSD2823	Veteran of Life 2013: Writing Competition	D	Quali	2015-08-24
FSD2972	University of Tampere Survey for Fifth-year Students 2013	B	Quanti	2015-08-20

FINNISH SOCIAL SCIENCE
DATA ARCHIVE

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🏠 / Data catalogue / FSD3001

Display study description [in English ▼] .

FSD3001 EVA Survey on Finnish Values and Attitudes 2015

Overview | Detailed description | Variables | Related Publications | Download data

Authors

- Finnish Business and Policy Forum (EVA)

Keywords

European integration, businesses, decision making, health services, leadership, occupational life, parliamentary elections, safety and security, taxation, well-being

Abstract

The main themes of the survey were leadership, work, taxation and security of Finland.

First, the respondents were asked to what extent they agreed with a number of statements relating to, for instance, political parties and the political system, science and technology, employment, economic growth, taxation, changes in society, health care, environment, entrepreneurship, public services, Finland's foreign relations, NATO membership, regulation of alcohol, social services, national debt, etc.

Regarding the parliamentary elections of 2015, the respondents were asked what the new government should focus on (e.g. lowering taxation, increasing funding for education, crime prevention, cutting public expenditure) and how well certain characteristics and descriptions (e.g. "patriotic, always promotes Finland's interests") applied to the four prime minister

The dataset is available **for research, teaching and study.**

Download the data

Study description in other languages

- in Finnish

Related files

- Codebook (PDF file, in English)
- Questionnaire (PDF file, in Finnish)

FINNISH SOCIAL SCIENCE DATA ARCHIVE

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Data   Search   Help

🏠 / Data catalogue / FSD3001

Display study description [in English ▼] .

FSD3001 EVA Survey on Finnish Values and Attitudes 2015

| Overview | Detailed description | Variables | Related Publications | Download data |

Select variable

[fsd_no] FSD study number

[fsd_vr] FSD edition number

[fsd_id] FSD case id

[samno] Original case id

[q1_1] No party promotes issues that are important to me

[q1_2] Finland has gone too far into globalisation; from now on we should return our focus to national economy and politics

[q1_3] Finland's ageing and diminishing population means that Finland needs to make immigration easier

[q1_4] Climate change is the biggest environmental threat of our time. In order to prevent it, every country must take immediate and effective measures

[q1_5] Replacing people with machines and automation will cause permanent mass unemployment

[q1_6] If Finns had a more positive attitude to entrepreneurship, the whole society would benefit

[q1_7] Politicians and political parties should inform citizens much more clearly than they do now of the kind of policies they would adopt after being elected

🏠 / Data catalogue / FSD3001

Display study description [in English ▾] .

FSD3001 EVA Survey on Finnish Values and Attitudes 2015

| Overview | Detailed description | Variables | Related Publications | Download data |

Select variable

[q1_3] Finland's ageing and diminishing population means that Finland needs to make immigration easie ▾   ◄   ►

Question Text

Finland's ageing and diminishing population means that Finland needs to make immigration easier

Frequencies

Category labels	Value	n
Strongly agree	1	97
Agree to some extent	2	494
Difficult to say	3	450
Disagree to some extent	4	637
Strongly disagree	5	378

Search

Search terms are truncated automatically in Data and Variable search. Phrase search and near operators available in Expert search.

Search all fields: `immigration` ⓘ

Question text: [   ]

Response alternatives: [   ]

Search documents only in ☐ Finnish ☐ Swedish ☑ English

[Go] [Clear search]

In total 308 hits.

◄   ► | 1   2   3   ···   7

1   K2_1 [k2_1] Views on immigration to Finland: Finland's immigration policy is too strict and unwelcoming

Variable in the data FSD1087. Study description is also available in in Finnish.

2   K2_18 [k2_18] Views on immigration to Finland: Immigration rules should be more strict than they are now

Variable in the data FSD1087. Study description is also available in in Finnish.

3   Q1_16 [q1_16] The debate on immigration is not outspoken enough in Finland nor frank about the problems immigration is causing

Variable in the data FSD2628. Study description is also available in in Finnish.

4   Q19_A [q19_a] How easy was it to get information from the following authorities?: Immigration service (Directorate of Immigration/police)

cessda

Consortium of European Social Science Data Archives

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  - 📁 Browse by Keyword
  - 📁 Browse by Data Publisher
  - Search: nuclear power (8056 hits)

Search Term: NUCLEAR ENERGY
Synonyms: NUCLEAR POWER, ATOMIC ENERGY

| Study | Section | Variable |

Study	Archive
Eurobarometer 26 (Nov 1986) Energy Problems 🖼	GESIS ZACAT
Atominės elektrinės statyba, 2008 m. gegužė 🖼	LiDA
National SOM 2001 🖼	SND
Planning Commission for Defence Information Survey, Spring 1992 🖼	FSD
Finnish Voter Barometer 1980 🖼	FSD
[PBSI0009]³ PB9/00. Politbarometer, Slovenia, 2000/9 🖼	ADP
[SJM903]Slovene Public Opinion Survey 1990/3 : Attitudes toward National Security, Ecology and Electric Power Consumption 🖼	ADP
Eurobarometer 72.2: Nuclear Energy, Corruption, Gender Equality, Healthcare, and Civil Protection, September-October 2009 🖼	GESIS ZACAT
Atominės elektrinės statyba, 2008 m. vasaris 🖼	LiDA
Eurobarometer 28 (Nov 1987) Relations with Third World Countries and Energy Problems 🖼	GESIS ZACAT

« Previous | 41-50 of 162 | Next »

Related Terms:
  ↪ ANTI-NUCLEAR MOVEMENTS (7 hits)
  ↪ ELECTRIC POWER (1814 hits)
  ↪ ELECTRIC POWER STATIONS (387 hits)
  ↪ ELECTRIC POWER SUPPLY (201 hits)

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| Study | Section | Variable |

Variable	Study	Archive
Nuclear energy: Buendnis 90/Die Gruenen	Political Attitudes, Political Participation and Voting Behavior in Reunified Germany 1998	GESIS ZACAT
Nuclear energy: DVU	Political Attitudes, Political Participation and Voting Behavior in Reunified Germany 1998	GESIS ZACAT
Policy proposition: Back out of nuclear energy and invest in renewable energy	Swiss Electoral Studies (Selects) 2011	FORS
Policy proposition: Back out of nuclear energy and invest in renewable energy	Swiss Electoral Studies (Selects) 2011 : Online Experiment	FORS
F.79AB Inverkan på samhällets och hushållens ekonomi - Kärnkraft	National SOM 2008	SND
F.79CB Inverkan på säkerheten för människors liv och hälsa - Kärnkraft	National SOM 2008	SND
F.83F Förtroende för information om energi och kärnkraft från statliga myndigheter på energiområdet	National SOM 2008	SND
Scalometer: nuclear energy	Post-Election Study on the Federal Parliament Election 1994	GESIS ZACAT
QA3 NUCLEAR ENERGY - IF WASTE PRB SOLVED	Eurobarometer 63.2: Radioactive Waste, Transport Services, Farm Animal's Welfare, and Means of Payment, February-March 2005	LiDA
NUCLEAR ENERGY-CDU/CSU V	Election Study 1987 (Trend Investigation)	GESIS ZACAT

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Related Terms:
↻ ANTI-NUCLEAR MOVEMENTS (7 hits)

Data Documentation Initiative DDI

- International and open standard for describing data
- Focus on social, behavioral, and economic sciences
- Expressed in XML
- Supports the entire research data life cycle
- Two separate development lines:
  - DDI Codebook (DDI 2) – version 2.5 published in 2012
  - DDI Lifecycle (DDI 3) – version 3.2 published in 2014
- http://www.ddialliance.org/

Since 1995 *‹ddi›*

What can be documented with DDI?

Source: Jeremy Iverson & Dan Smith: Introduction to DDI and Colectica. Colectica Workshop/DDI Tutorial at EDDI 2014, London, UK.
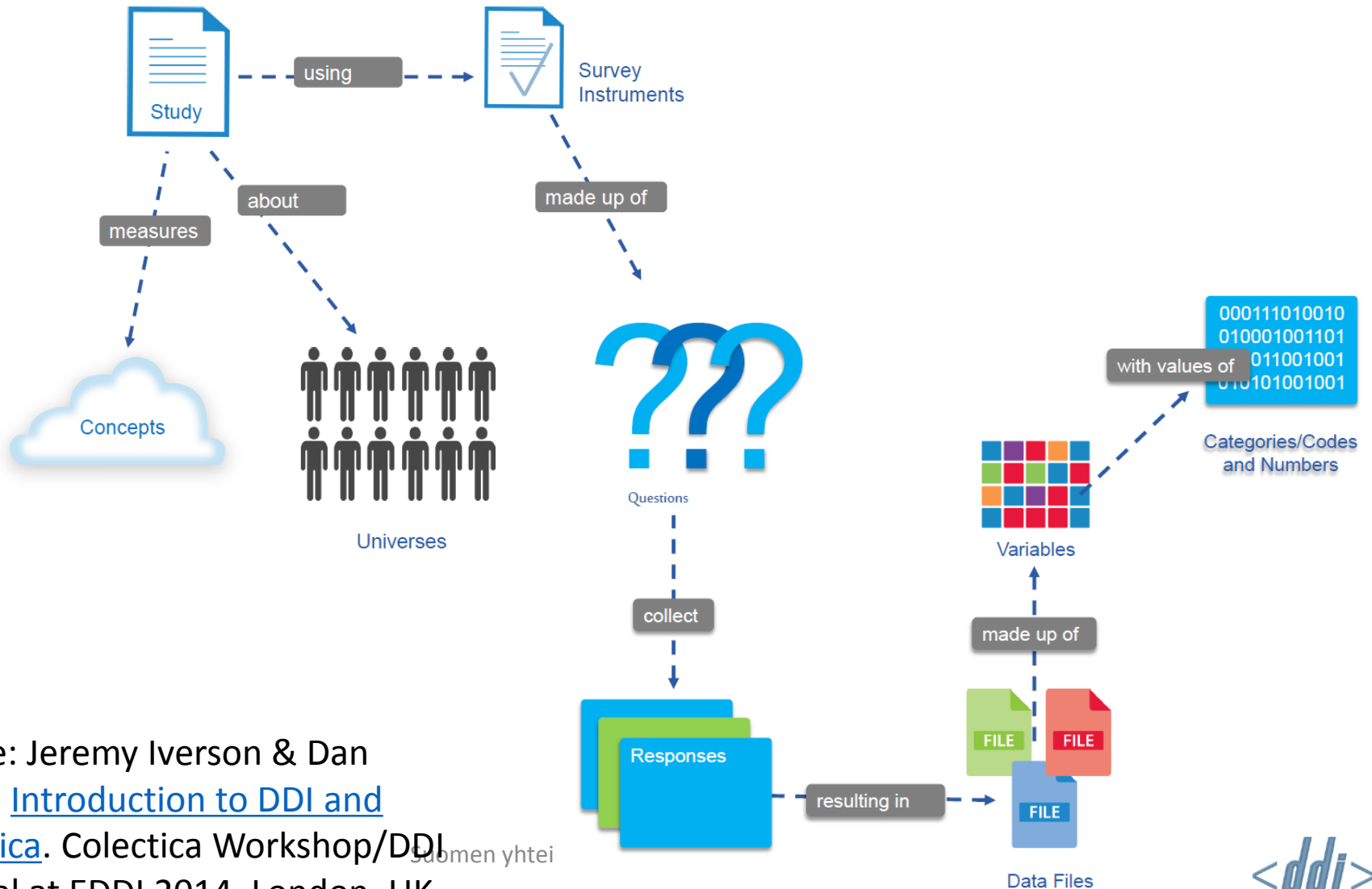
DDI Data Lifecycle

DDI Codebook vs. DDI Lifecycle

DDI C
- Simple survey
- Option for some programming and software support
- Aggregate data
- Some support for GIS users

DDI L
- Simple survey
- Programming and software support
- Aggregate Data
- GIS support
- CAI support
- Complex data files
- Series
- Comparability

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              analysis and systematic follow-up of change in public opinio
            </p>
          - <p>
              Themes covered include democracy, market economy, welfar
              Finnish identity, and views on the future. The surveys are fu
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http://www.colectica.com/ssi-ddi-metadata

Forthcoming: model-based specification

- DDI Moving Forward process since October 2013 ("DDI4")
  - First draft release was put out for comment in May 2015
- Next version of DDI specification will be based on an information model
- Aims at breaking disciplinary barriers to document data about humans and their impact more broadly
- Provides support to new types of data, for example:
  - data captured by instruments like blood pressure gauges and MRI scans
  - data from administrative registers
  - data from various web sources

Sprints

Created by Unknown User (lalor), last modified by Wendy Thomas on Sep 02, 2015

Dagstuhl Sprint, October 2015

Minneapolis Sprint, May 2015

London Sprint, December 2014

Dagstuhl Sprint, October 2014

Vancouver Sprint, March 2014

Toronto Sprint, May 2014

Archive	Contains information concerning the organization providing archival functions, the position of the related metadata and data within the organization, and preservation/provenance information about the metadata and data including LifeCycleEvents.
CodeList	A special form of maintainable that allows a single codelist to be maintained outside of a CodeListScheme.
Comparison	Contains information on comparison of similar metadata objects using mapping between a source and target object.
ConceptualComponent	Contains descriptions of Concepts, Universes, DataElements, GeographicStructures, and GeographicLocations.
DataCollection	Contains information on data collection, capture, methodology, and processing of data.
DDIProfile	A specialized meta-model structure that specifies the elements in DDI used by an application organization, or project and how they are used.
Group	A publication module that pulls together multiple StudyUnits with either an intended relationship (i.e., longitudinal study) or an ad-hoc relationship (i.e., studies on aging used within an instructional package).
LocalHoldingPackage	A publication structure that allows an archive or library to bind locally produced metadata to deposited metadata without altering the original metadata set.
LocalGroupContent	Locally produced Group content within a LocalHoldingPackage.
LocalResourcePackageContent	Locally produced ResourcePackage content within a LocalHoldingPackage.
LocalStudyUnitContent	Locally produced StudyUnit content within a LocalHoldingPackage.
LogicalProduct	Contains information on the intellectual structure of the data (i.e., Variables, NCubes), including CategorySchemes, CodeListSchemes, and information on how the data are organized into LogicalRecords and the Relationship of those records to each other.
PhysicalDataProduct	Contains information on the physical structure of the data including file structures and RecordLayout structures. Links to the LogicalRecord.
PhysicalInstance	A metadata record for a data file providing identification information for the data file, a link to the RecordLayouts found in the data file, and summary statistics for the data file.
ResourcePackage	A publication structure that allows any maintainable object that is not a publication package to be published as a reusable resource outside of the context of a specific study.
StudyUnit	A publication structure for a specific study. Structures identification information, full bibliographic and discovery information, administrative information, all of the reusable delineations used for response domains and variable representations, and modules covering different points in the lifecycle of the study (DataCollection, LogicalProduct,

DDI-L Schemes

Scheme	Description
CategoryScheme	Categories provide enumerated representations for concepts and are used by questions, code lists, and variables
CodeListScheme	Code lists link a specific value with a category and are used by questions and variables
ConceptScheme	Concepts express ideas associated with objects and means of representing the concept
ConceptualVariableScheme	Links a concept with a specific object
ControlConstructScheme	Control constructs represent types of constructs used to represent a process or questionnaire flow (Sequence, Statement, IfThenElse, question construct, Loop, etc.)
GeographicLocationScheme	Locations are specified by type of structure, name, codification, and definition of physical location
GeographicStructureScheme	Define the structure of geographic hierarchies used to describe geographic area types
InstrumentScheme	Instruments include any physical means of capturing data
InterviewerInstructionScheme	Instructions related to the interpretation or process of capturing data (Interviewer may be an individual or agent, such as a computer, or the interviewee).
NCubeScheme	NCubes are dimensional data where there is a relationship between the individual cells of data (i.e. statistical table, correlation table, etc.)
ManagedRepresentationScheme	Reusable representations of numeric, textual, datetime, scale or missing values types.
OrganizationScheme	Descriptions of organizations and individuals and their relationships.
PhysicalStructureScheme	Describes the overall physical structure of data records (i.e., storage formats, record parts, default values and types)
ProcessingEventScheme	Processing events covering cleaning operations, control operations, data appraisal, weighting, and the applied use of processing instructions.
ProcessingInstructionScheme	General and Generation Instructions used in processing events, data capture, and generation of variables.
QualityStatementScheme	Statements providing information on standards and/or actions taken to ensure quality of data, metadata, and processes.
QuestionScheme	Contains Question Items, Question Grids, and Question Blocks used by Control Constructs in creating questionnaires.
RecordLayoutScheme Record	Layouts provide the specific link between the description of a variable or NCube cell with the physical storage location in a data file type.
RepresentedVariableScheme	The core reusable content of a variable providing the concept, object (universe), and representation description.
UniverseScheme	A hierarchical representation of the universes (populations) represented within a data collection
VariableScheme	A list of the variables, their structure, representation, source information, and expression.

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Institute for data collection and research

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LISS panel data

The LISS panel provides academic researchers from the Netherlands and abroad with the opportunity to field their surveys in the panel. The data obtained by these studies are published and can also be used by other researchers.

In addition to the studies proposed by external researchers, the LISS Core Study is conducted each year. This longitudinal study provides a wide range of data on the panel members that can be combined with other survey data.

The published LISS panel data can be accessed for own scientific, policy or socially relevant (i.e. non-commercial) research. Use of the data for paid projects for third parties is only allowed against payment.

To download the survey data you need to sign a statement confirming that you agree to the conditions. The statement can be found at the LISS data archive project website.

The LISS panel data are available at www.lissdata.nl

- CentERpanel data
- LISS panel data
- DHS data access
- SHARE project data

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lissdata.nl > Data Archive > Study Units > LISS panel

LISS Data Archive

LISS panel

Background Variables

📄 1 Background Variables   Single wave stu

Core Studies

📄 2 Health   Longitudinal stu

📄 3 Religion and Ethnicity   Longitudinal stu

📄 4 Social Integration and Leisure   Longitudinal stu

📄 5 Family and Household   Longitudinal stu

📄 6 Work and Schooling   Longitudinal stu

📄 7 Personality   Longitudinal stu

📄 8 Politics and Values   Longitudinal stu

📄 9 Economic Situation: Assets   Longitudinal stu

📄 10 Economic Situation: Income   Longitudinal stu

📄 11 Economic Situation: Housing   Longitudinal stu

Assembled Studies

📄 12 What is an Adequate Old-Age Income?   Single wave stu

📄 13 Conventional and Computer Crime Victimization   Longitudinal stu

📄 14 Expectations for the Future   Single wave stu

📄 15 Vignette Experiment on Paradata   Proj

📄 16 European Values Study (LISS panel version)   Single wave stu

📄 17 Feedback Mechanisms in Matrix Questions   Single wave stu

📄 18 Question format and response style behavior in attitude research   Longitudinal stu

2.1 Wave 1

Study information overview | **Data, Documentation & Publications**

General Information

Title	Health	Researcher	Vis, Corrie
Measure	Wave 1	Analysis Unit	Individual
Panel	LISS panel	Publisher	CentERdata
Project Number	2.1	Copyright	© 2009 CentERdata
Abstract	This survey focuses on health, health perception and health related to job situation.	Funding Organization	CentERdata/MESS Project
Study Type	Core Studies		
Longitudinal Type	Longitudinal Wave		

Response Overview

In November 2007, a questionnaire on health was administered to the LISS panel. The questionnaire was repeated in February 2008 for those panel members that had not completed the questionnaire in November.

Response: Selected number of household members: 8478 (100%)
Nonresponse: 1780 (21.1%)
Response: 6698 (78.9%)
Complete: 6625 (78.1%)
Incomplete: 73 (0.9%)

Collection Events

Data Collection Period: 2007-11-05 to 2007-11-28
Sample: all LISS panel members aged 16 years and older
Data Collection Mode: internet survey
Fieldwork Organization: CentERdata
Fieldwork Note: a reminder was sent twice to non-respondents

Data Collection Period: 2008-02-04 to 2008-02-26
Sample: LISS panel members who had not responded to or participated in the first measure
Data Collection Mode: internet survey
Fieldwork Organization: CentERdata
Fieldwork Note: a reminder was sent twice to non-respondents

Questionnaires

Name	Description
Health2007	This questionnaire was originally conducted in Dutch.

CenERdata

LISS PANEL **Data Archive**

My Account
Login

Search
Enter search text... Search
- Advanced Search

lissdata.nl > Data Archive > Study Units > LISS panel > Health > Wave 1 > Health2007   Help

Questionnaire Health2007

Description   This questionnaire was originally conducted in Dutch.

Study Unit   Wave 1

	Question	Version	Question Text	Answer Type
1	intro	1.0.0	This questionnaire is about health.	
2	ch004	1.0.0	How would you describe your health, generally speaking?	Categories
3	ch005	1.0.0	Can you indicate whether your health is poorer or better, compared to last year?	Categories
4	ch011-ch015	1.0.0	The following questions are about how you felt over the past month. For every question, please choose the answer that best describes how you felt during this past month. This past month	
5	ch016	1.0.0	How tall are you?	Numeric
6	ch017	1.0.0	How much do you weigh, without clothes and shoes?	Numeric
7	ch018	1.0.0	Do you suffer from any kind of long-standing disease, affliction or handicap, or do you suffer from the consequences of an accident?	Categories
8	ch019	1.0.0	Can you briefly describe what you suffer from?	Text (max. 255 characters)
9	ch020	1.0.0	To what extent did your physical health or emotional problems hinder your daily activities over the past month, for instance in going for a walk, walking up stairs, dressing yourself, washing yourself, visiting the toilet?	Categories
10	ch021	1.0.0	To what extent did your physical health or emotional problems hinder your social activities over the past month, such as visiting friends and acquaintances?	Categories
11	ch022	1.0.0	To what extent did your physical health or emotional problems hinder your work over the past month, for instance in your job, the housekeeping, or in school?	Categories
12	ch023-ch032	1.0.0	Below you will find a number of actions that some people have difficulties with. Can you indicate, for each activity, whether you can perform it without any trouble, with some trouble, with a lot of trouble, or only with the help of others? This question does not apply to problems which you expect will not last longer than three months.	
13	ch033-ch045	1.0.0	Below you will find a number of actions that some people have difficulties with. Can you	

Data Archive

Question ch004

Version: 1.0.0

Selection of respondents: all respondents

🏴 English	
Question Text: How would you describe your health, generally speaking?	
Answer Type: Categories	
1	poor
2	moderate
3	good
4	very good
5	excellent

🇳🇱 Dutch	
Question Text: Hoe zou u over het algemeen uw gezondheid noemen?	
Answer Type: Categories	
1	slecht
2	matig
3	goed
4	zeer goed
5	uitstekend

Related Variables

Variable	Question Version	Dataset	Study Unit	Add to Basket
ch07a004	1.0.0	ch07a	LISS panel > Health > Wave 1	⦿

Related Questions

Question	Version	Questionnaire	Study Unit
ch004	1.0.0	Health2008	LISS panel > Health > Wave 2
ch004	1.0.0	Health_wave3	LISS panel > Health > Wave 3
ch004	1.0.0	Health_wave4	LISS panel > Health > Wave 4
ek004	1.0.0	Health, Wave 1	Immigrant panel > Health > Wave 1
ch004	1.0.0	Health_wave5	LISS panel > Health > Wave 5
ch004	1.0.0	Health_wave6	LISS panel > Health > Wave 6
ch004	1.0.0	Health_wave7	LISS panel > Health > Wave 7
ek004	1.0.0	Health, Wave 2	Immigrant panel > Health > Wave 2

DDI-L: Management of Metadata

- Emphasis on re-use of metadata
- Identification and versioning of metadata
- Grouping of studies and expressing relationships between them
  - Inheritance mechanism allows metadata to be shared by studies
- Support for comparison
  - Comparable "by design" > Grouping
  - Mapping or "ad-hoc" comparison > Comparison module for statements/assertions about the equivalane of the metadata items

DDI-L: Mapped Relationship to Other Standards

- DDI-C and earlier versions
- Dublin Core (Basic Bibliographic Information)
- MARC (Bibliographic Information)
- GSIM (Generic Statistical Information Model)
- ISO/IES 11179 Data Registry
- ISO 19118 (Geography)
- SDMX (Aggregate data)
- METS (Content Wrapper)
- PREMIS (Preservation)

DDI Controlled Vocabularies

- Many elements support the use of an external CV
- DDI Alliance publishes a set of CVs commonly used in social science research, for example:
  - Analysis Unit
  - Data Type
  - Lifecycle Event Type
  - Mode of Collection
  - Response Unit
  - Time Method

DDI RDF Vocabularies

- DDI-RDF Discovery Vocabulary (Disco)
  - Supports the discovery of microdata sets and related metadata using RDF technologies in the Web of Linked Data

- PHDD - Physical Data Description
  - Description of the physical properties of existing or published data (tables) in a rectangular format.

- XKOS - Extended Knowledge Organization System
  - XKOS leverages the Simple Knowledge Organization System (SKOS) for managing statistical classifications and concept management systems

Benefits from using DDI

- Richer metadata
- Exchangable metadata
- Reusable metadata
  - Cost effective
  - Avoid errors
- Enables building of question banks, variable banks, reusable code lists,…
- Supports metadata-driven processes
- Supports multilingual documentation
- International, open standard
- Strong and growing user community

The DDI Alliance

- An international collaboration dedicated to establishing metadata standards and semantic products for describing social science data, data covering human activity, and other data based on observational methods.

- An unincorporated, self-sustaining membership organization whose members have a voice in the development, promotion, and dissemination of DDI specifications.

(DDI Alliance Charter and Bylaws)

DDI Alliance Members

- University of Alberta, Canada
- Australian Bureau of Statistics (ABS)
- Australian Data Archive (ADA)
- University of California, Berkeley -- Computer-Assisted Survey Methods Program and UCDATA
- Centre for Longitudinal Studies, Institute of Education, University of London (Associate Member)
- Centro De Investigaciones Sociologicas (CIS), Spain
- Colectica (Associate Member)
- Cornell Institute for Social and Economic Research (CISER)
- Danish Data Archive
- Data Archiving and Networked Services (DANS), The Netherlands
- Epidemiology France, Aviesan - ITMO Santé Publique
- Eurostat
- Finnish Social Science Data Archive
- Food and Agriculture Organization (FAO)
- German Institute for International Educational Research (DIPF)

- German Socio-Economic Panel Study (SOEP)
- GESIS - Leibniz Institute for the Social Sciences
- University of Guelph
- Institute for Social and Economic Research (ISER)
- Institute for the Study of Labor (IZA)
- Inter-university Consortium for Political and Social Research (ICPSR)
- University of Kansas, Institute for Policy and Social Research (IPSR) (Associate Member)
- Massachusetts Institute of Technology (MIT)
- University of Minnesota, Minnesota Population Center
- National Institute of Statistics and Economic Studies (INSEE)
- Norwegian Social Science Data Service (NSD)
- Open Data Foundation (Associate Member)
- Research Data Centre of the German Federal Employment Agency, Institute for Employment Research (IAB)

- Stanford University
- Statistics New Zealand
- Survey Research Operations, University of Michigan
- Swedish National Data Service (SND
- Swiss Foundation for Research in Social Sciences (FORS)
- United Kingdom Data Archive
- University of Toronto Libraries
- University of Toronto Scholars Porta
- University of Washington, Center fo Studies in Demography & Ecology (CSDE)
- U.S. Bureau of Labor Statistics (Associate Member)
- World Bank, Development Data Group (DECDG)

DDI being used around the World

- Data Archives
- National Statistical Institutes
- Research Groups (at Universities)
- Data producers and publishers

How to create DDI metadata?

- Enter information manually into the DDI-XML files
- Export from statistical packages or survey systems with tools like Stat/Transfer or Colectica
- Use a metadata editor
- http://www.ddialliance.org/resources/tools

Some Thoughts

- Researchers' priority is (rightly so) research, not managing data
  - Researchers need infrastructure and support services
- Field of metadata standards is overwhelming and complex
  - an organisation usually has a pressing need to get a system running up to support a specific task
  - discipline, organisation and/or country specific metadata efforts have led (and will lead) to overlapping standards
- There is not and probably will never be a single metadata standard that would be simple, cover everything and satisfy all metadata needs
  - The solution is to apply several complementary standards.
- Continuous work is needed on both developing the existing and new standards and also on how the standards can be best combined.
- Cooperation and awareness is essential
  - both national and international, as well as across disciplines

Metadata

RDA | Metadata Directory

Getting Started

View the standards

View the extensions

View the tools

View the use cases

Browse by subject areas

Adding standards

Adding extensions

Adding tools

Adding use cases

github

@twitter

linkedin

facebook

Metadata Standards Directory Working Group

The RDA Metadata Standards Directory Working Group is supported by individuals and organizations involved in the development, implementation, and use of metadata for scientific data. The overriding goal is to develop a collaborative, open directory of metadata standards applicable to scientific data can help address infrastructure challenges.

http://rd-alliance.github.io/metadata-directory/

Metadata

Arts and Humanities

DDI - Data Documentation Initiative ☑ Edit

A widely-used international standard for describing data from the social, behavioral, and economic the DDI metadata specification supports the entire research data life cycle.

Sponsored by the DDI Alliance, DDI version 3.2 was released in 2014.

MIDAS-Heritage ☑ Edit

A British cultural heritage standard for recording information on buildings, archaeological sites, shi battlefields, areas of interest and artefacts.

Sponsored by the Forum on Information Standards in Heritage, MIDAS Version 1.1 was released in

OAI-ORE - Open Archives Initiative Object Reuse and Exchange ☑ Edit

The goal of these standards is to expose the rich content in aggregations of Web resources to app authoring, deposit, exchange, visualization, reuse, and preservation. The standards support the ch and scholarly communication, and the need for cyberinfrastructure to support that scholarship, with standards that generalize across all web-based information including the increasing popular social

Engineering

CIF - Crystallographic Information Framework ☑ Edit

A well-established standard file structure for the archiving and distribution of crystallographic inforr for reporting crystal structure determinations to Acta Crystallographica and other journals.

Sponsored by the International Union of Crystallography, the current standard dates from 1997. As of the CIF standard is under consideration.

CSMD-CCLRC Core Scientific Metadata Model ☑ Edit

A study-data oriented model, primarily in support of the ICAT data managment infrastructure softwa support data collected within a large-scale facility's scientific workflow; however the model is also d scientific disciplines.

Sponsored by the Science and Technologies Facilities Council, there is reference to CSMD 3.0 de

More Thoughts

- Documenting data well and making metadata and data easily accessible promotes cross-disciplinary research
- Ideally software would support creating and exporting metadata
- Long history of international co-operation within social science data archives > tools, services and mutual trust
- Continuous work needed
- Resources needed
- Coordination needed
- Committed organisations needed

- A lot of potential for partnerships and collaboration that can move all stakeholders forward!

<eddi> European DDI User Conference

Home > EDDI – Annual European DDI User Conference > EDDI15 – 7th Annual European DDI User Conference

EDDI15 – 7th Annual European DDI User Conference

Statistics Denmark (DST) and DDA/National Archive of Denmark

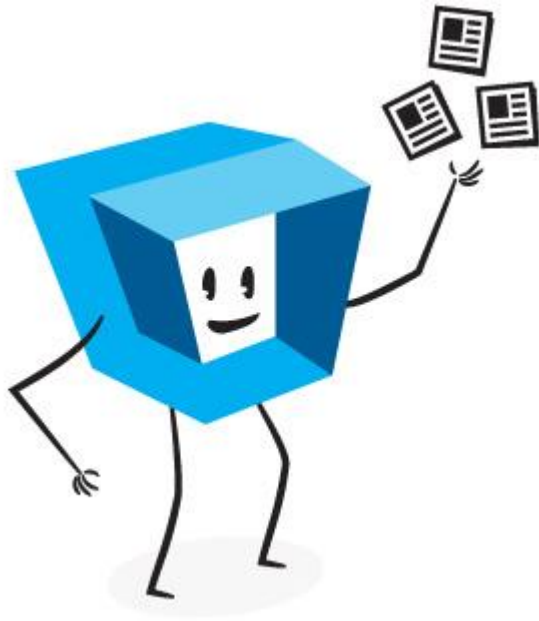December 2, 2015 – December 3, 2015

Description

EDDI15 is organized jointly by DST - Statistics Denmark and the DDA - Danish Data Archive/National Archive of Denmark, GESIS - Leibniz Institute for the Social Sciences and IDSC of IZA - International Data Service Center of the Institute for the Study of Labor.

The conference will bring together DDI users and professionals from all over Europe and the world. Anyone interested in developing, applying, or using DDI is invited to attend and present.

The conference will provide presentations on a wide range of topics relating to DDI:

- Case studies
- Mature implementations
- Early implementations
- Interplay of DDI with other standards or technologies
- Projects in early phases in which DDI is under consideration
- Critiques of DDI

STATISTICS DENMARK

STATENS ARKIVER
DANSK DATA ARKIV

<ddi>
Data Documentation Initiative

gesis
Leibniz Institute
for the Social Sciences

IZA IDSC
INTERNATIO
DATA SERVICE CE

Thank you!