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Enhancing the quality of metadata: harmonising with DDI-Lifecycle

*EDDI16 – 8th Annual European DDI User Conference
December, 6 2016, Köln*

Alina Danciu, Alexandre Mairot



Summary

- Including DDI-Lifecycle specifications in our practices
 - ✓ Dealing with DDI-Lifecycle
 - ✓ A new approach including DDI-Lifecycle
- Harmonisation
 - ✓ Data and metadata
 - ✓ Procedures and organisation
- Feedback on the harmonisation process

Dream big and make it happen. But how ?



Integrating DDI-Lifecycle with existing data systems

- Versioning
- Uniqueness of entries
- Granularity

A new approach including **DDI-Lifecycle**

- 2014 : How to integrate the **DDI-Lifecycle specifications** in our dissemination practices?
- 2015 : How about the creation of our metadata system?
- 2016 : Process of building a **metadata database**

Data/metadata harmonisation

- Two types of data in the datasets : string and numeric
 - ✓ Date format : string with ISO8601 format (yyyy-mm-dd)
- Six types of missing values

CodeList Label	Code	Level
Not applicable	6..	1
Refuse	7..	2
Don't know	8..	3
No answer	9..	4
Filter error /missing data	99..	5
Not surveyed	99..6	6

ea14_D4_rec : Number of rooms

1	1 room
2	2 rooms
...
7	7 rooms
8	8 rooms
9	9 rooms and more
99	No answer
999	Missing data
9996	Not surveyed

- Recoded response items are written in parentheses

ea14_A2A : Household's total income

1	Less than 400 €
...	
12	4 000 to 5 999 €
13	6 000 to 9 999 €
14	10 000 € and more
...

ea14_A2A_rec : Household's total income

3	(Less than 800 €)
...	
12	4 000 to 5 999 €
13	(6 000 € and more)
...

Variable harmonisation accross studies

- **Variable id** : intpol
- **Variable label**: How interested in politics
- **Variable urn**: urn:ddi:fr.cdsp:Variable.intpol:1

Study	Variable	<I:VariableName>
Image de la science 2001	int	ids01_INT
Panel électoral français 2002 vague 1	xq201	pef0201_XQ201
Enquête interrégionale des phénomènes politiques 1998	q29	eipp98_Q29
Enquête interrégionale des phénomènes politiques 1999	q26	eipp99_Q26
Enquête annuelle ELIPSS 2013	i1	ea13_I1
Enquête DYNAMOB vague 1 (2013-09)	intpol	dn01_INTPOL
Enquête DYNAMOB vague 2 (2013-12)	intpol	dn02_INTPOL

- **QuestionReference urn**: urn:ddi:fr.cdsp:QuestionItem.intpol:1
- **QuestionText**: How interested would you say you are in politics? Are you?

Variable harmonisation accross waves

- **Variable id:** g5a_rec (recoded variable)
- **Variable label:** Foreign language spoken
- **Wave:** 2013 (ea13), 2014 (ea14), 2015 (ea15), 2016 (ea16)
- **Variable categories updated for each wave (dataset + documentation):**

version 2013

1	Arabic
2	German
3	English
4	Portuguese
5	Italian
6	Spanish
7	Other
66	Not applicable

version 2014

1	Arabic
2	German
3	English
4	Portuguese
5	Italian
6	Spanish
7	(Other)
66	Not applicable

version 2015

1	Arabic
2	English
3	German
4	Italian
5	Portuguese
6	Spanish
7	(Other)
66	Not applicable

version 2016

1	Arabic
2	English
3	German
4	Italian
5	Portuguese
6	Spanish
7	(Regional language)
8	(Other)
66	Not applicable

Procedures and organisation

- DDI-Lifecycle profile defined in 2015
- DDI-Codebook template linked to DDI-Lifecycle profile
- Rules of metadata versioning:
 - ✓ Same data in several datasets => Same metadata
 - ✓ Same variables in several datasets => new version for the metadata were different



Some thoughts on the harmonisation process

- For datamanagers
 - ✓ Re-use of metadata
 - ✓ Quality and reliability of the metadata
 - ✓ Rethink the documentation process and workflow

- For users
 - ✓ Data more discoverable and usable
 - ✓ Visualisation of all the waves including the question and download the ones of interest
 - ✓ Access conditions tend to be more flexible

<http://cdsp.sciences-po.fr>

<http://quanti.dime-shs.sciences-po.fr/>

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