

Mapping DDI-RDF Discovery

- a hackathon story ...

2013-12-04 EDDI-2013 French Data Archives for Social Sciences

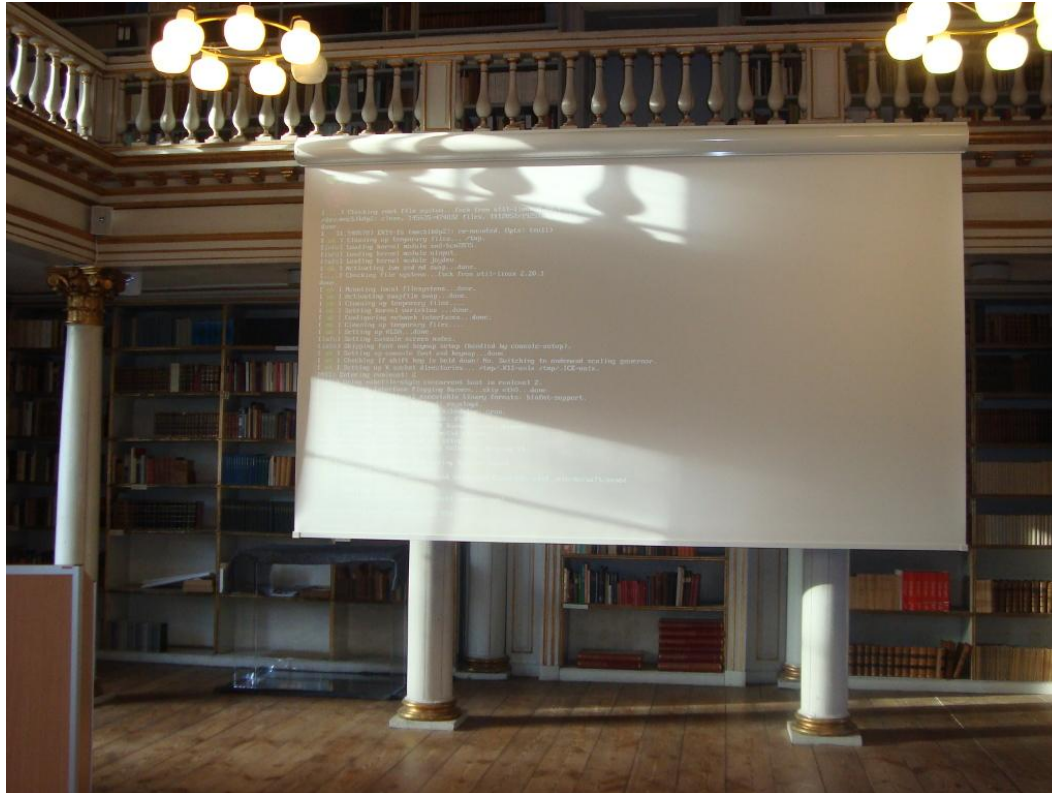
SND Svensk Nationell Datatjänst



STATENS ARKIVER

DANSK DATA ARKIV

In the midst of October ...



Hackathon goals

- Continue work to map from DDI-L to DDI-RDF ontology defined by DDIAAlliance
 - Workshops at Schloss Dagstuhl - Leibniz Center for Informatics from 2011-12, EDDI 2012, GESIS 2013
- Deploy mapped DDI-L to Sparql endpoints
 - Jenna -Neo4J and ARC2
- Build proof of concept applications

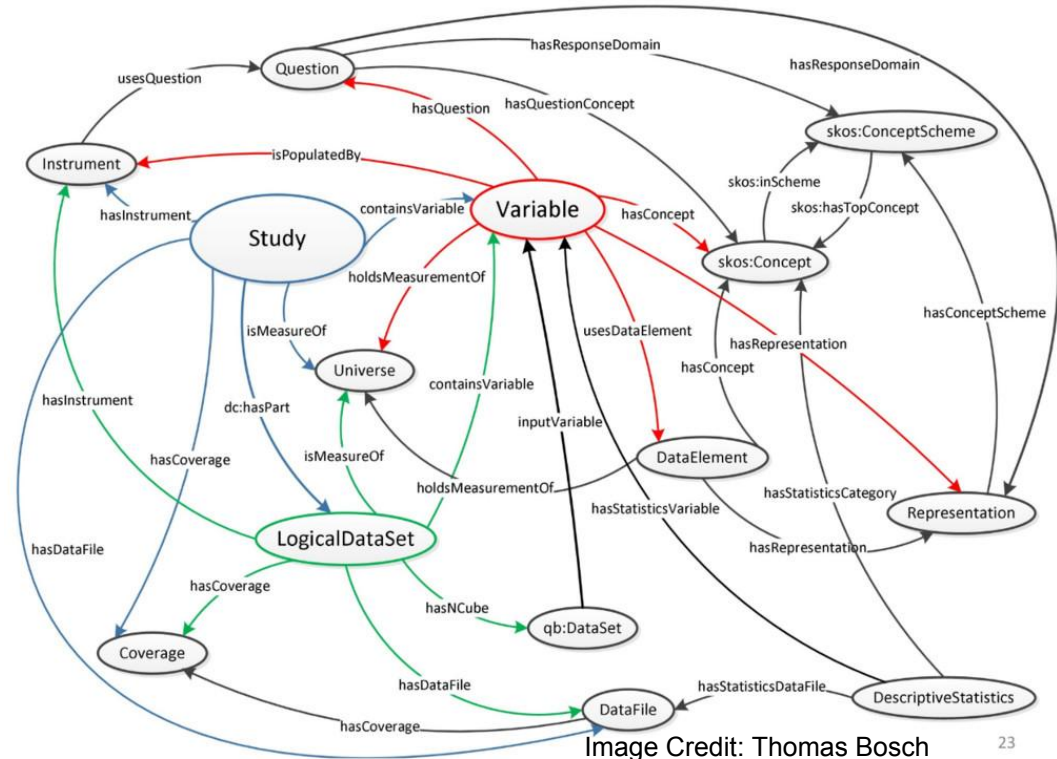
A tough ride but doable



DDI-L mapping focus areas

Focus on:

- Variables
- Representation
- Code / Categories
- Questions
- Instrument
- Concepts / Universe
- And later study to subject relation

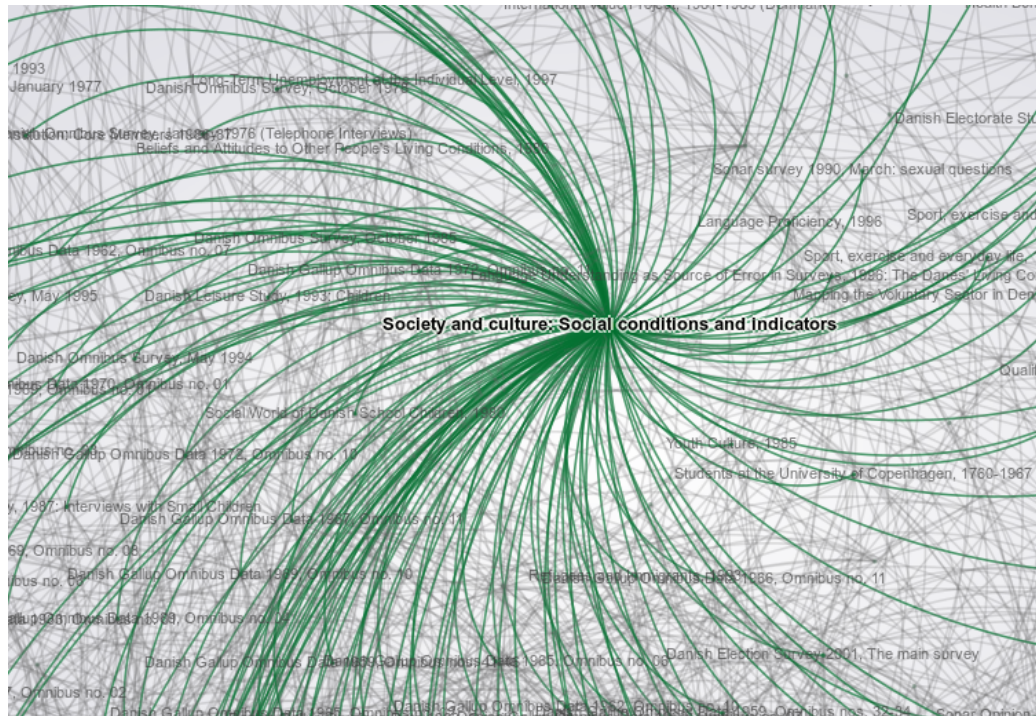


Input and lessons learned

- Dialog / acknowledgment of work done by the Data without Boundaries project
- Verification of DDI-RDF model defining implementation state by real application
- Lead to a more complete mapping table for DDI-L to DDI-RDF
- Hacking / doing sprint work is worthwhile

Results and Demo

- DDI-L to DDI-RDF extended
- Build script - one xslt
- Jenna import and test script
- ARC2 Sparql endpoint deployed
 - <http://ddi-rdf.borsna.se>
 - 2.2 million triples
 - DDA 33% collection
 - SND full collection
- Proof of concept RDF search
- Visual graph analysis
 - Gephi



Thanks - Q&A



- **DDI-RDF specification** <http://rdf-vocabulary.ddialliance.org/discovery.html>
- **DDI-RDF XSLT mapping** <https://github.com/linked-statistics/DDI-RDF-tools>
- **DDIXSLT project** <https://code.google.com/p/ddixslt/>
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