

First International Conference on
e-Social Science,
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Panel Session 2



Metadata Standards and Implementation

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Objectives

1. Improving the evidence base for research, informed societies and policies
2. Optimal use of prior investments in data generation by facilitating access, exploitation and knowledge building
3. Increasing intra- and inter- disciplinary interoperability of data and metadata

The art of science is

throwing away information
systematically

K. Boulding

Challenge No. 1

Metadata of a complexity

barely considered to date will be required to enable the researcher to navigate not only the „knowledge“, but the contexts of the construction of that knowledge

The Picasso Principle

I don't search,

I find

Ontologies

Shall we continue to google

Or

Do we need universal
ontologies?

Domains and ambiguities

Now for the Painter (rope) -
Passengers going on Board

William Turner, Oil on Canvas, 1827

Challenge 2

- As words meanings are agreements of sociolinguistic communities,
- Ontologies are agreements of scientific communities

? How can we facilitate transdisciplinary knowledge exploitation?

data documentation initiative

a project of the social science community

- About the Specification
- About the DDI Alliance
- Users Information
- Announcements
- Contact Us
- Search
- Site Map

The Data Documentation Initiative is an international effort to establish a standard for technical documentation describing social science data. A membership-based Alliance is developing the DDI specification, which is written in XML.

The DDI has received external support from the National Science Foundation (NSF award SES0136447) and Health Canada.

<ddi>

Metadata powered by the
Data Documentation Initiative

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The Satanic Punishment

Eve Tempted

Oil on Canvas

John Spencer Stanhope (about 1877)

In Christian belief- Eve is tempted by Satan to pick and taste from the tree of knowledge- Eve in turn persuades Adam to try the fruit

and they had to leave the knowledge paradise...

Challenge 3

- As we observe a shift in the value chain from infrastructure to content and knowledge level services:

How can we implement the standards and make them good practice for financers and researchers?

Trends

- Improving and integrating the evidence base
- Facilitating access for research and education
- Standards for data definition
(DDI/ MetaDater/ CSDI)
- Standards for measurement
- Opening multilingual access (Madiera)
- Virtual libraries / portals
- Data – literature – event – knowledge integration
- Meaningful context and interpretation knowledge