Building the Infrastructure for Enhanced Publications Using DDI 3

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Rob Grim, University of Tilburg
Maarten Hoogerwerf, DANS
DatapluS Project

Joint project sponsored by SURF

Create portal for enhanced publications

2 studies with multiple organizations
- NKO/DPES: DANS, CentERdata, UTwente
- EVS: GESIS, CentERdata, UvT
DatapluS

Enhanced Publications
- Gather detailed info about how authors used the datasets in their publications
- Variable-level metadata, tied to concepts

Subject Portal
- Researchers can browse/search through the concepts
- Find detailed info on how variables were used in publications
Enhanced Publications

Researchers

Data

Publ. Info

Publications

Archive
DANS (NKO)
GESIS (EVS)

Enhanced Publications
Editor
CentERdata

Variables (DDI)

EPE data (DDI)

Library
UvT (EVS)
Uwente (NKO)

Variables (DDI)
Linking with DDI 3

Use DDI to transfer data between organizations

How to import/export with existing tools that don’t support DDI3?
Creating DDI3 Variables

DPES @ DANS as SPSS in archive and in Nesstar
  – Conversion via Dext/Dextris were unsuccessful

EVS @ GESIS in archive and in Nesstar
  – Gesis already migrated the variables to DDI3

Using these examples and the Nesstar HTTP API...
DPES Data in Nesstar

Catalog Dutch Parliamentary Election Studies (NKO) (DPES)  
(http://nesstar01.dans.knaw.nl:80/obj/fCatalog/NesstarProductie)

Dutch Parliamentary Election Studies (NKO) (DPES)

The Dutch Parliamentary Studies is a systematical analysis of change in political opinions and behaviour of the Dutch electorate. Data are collected between 1971 and 2006 in order to enlarge insight into characteristics of the Dutch political system changes that occur within the system, and degree of similarity, dissimilarity between the Dutch political system and others.

On this server are available the surveys until 1998.

- DPES 2002-2003 is available at DANS EASY
- DPES 2006 is available at DANS EASY

More information on the Dutch Parliamentary Election Studies at the DPES website.

Created: 2008-10-20 11:59:09.0

A new Catalog

Properties Index

- datasets
- children

Methods Index

- AddDataset
- DeleteAllDatasets
- Query
- Reindex
- AddChild
- AddChildAt
- PathsTo
- RangeQuery
- Remove
- RemoveChild
- RemoveChildAt
Transformation on Request

http://dataplus.dans.knaw.nl/variable/urn:ddi:nl.knaw.dans:VariableScheme.P0353_VarSch.1.0.0:Variable.var058.1.0.0

<ddi:DDIInstance xmlns:ddi="ddi:instance:3_1" id="P0353" agency="nl.knaw.dans" version="1.0" ...>
    <l:Variable id="V59" urn="urn:ddi:nl.knaw.dans:VariableScheme.P0353_VarSch.1.0.0:Variable.var058.1.0.0">
        <r:UserID type="SPSS Variable Name">V59</r:UserID>
        <r:Label maxLength="120" type="label">MOST IMP. NAT. PROBLEM, CHOSEN OUT OF LIST</r:Label>
        <r:Label maxLength="8" type="label">var058</r:Label>
    </l:Variable>
</ddi:DDIInstance>

XSLT

PHP

HTTP

HTTP

HTTP
Enhanced Publications Editor

Web application written by CentERdata

Pre-populate database
  • Variables from archive
  • Publications from library

Researchers
  • Easy-to-use web wizard
  • Concepts studied & variables used
  • 5-10 minutes
<table>
<thead>
<tr>
<th>Select</th>
<th>Title</th>
<th>Authors</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>National Identity in Europe Today</td>
<td>Arts, Wil; Halman, Loek</td>
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<tr>
<td></td>
<td>Religious beliefs and practices in contemporary Europe</td>
<td>Halman, L.C.J.M.; Draulans, V.J.R.</td>
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<td>How secular is Europe?</td>
<td>Halman, L.C.J.M.; Draulans, V.J.R.</td>
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<td>The ethos of individualism in cross-cultural perspective: Exploring the European values data</td>
<td>Halman, L.C.J.M.; Ester, P.</td>
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<td>A map of European cultures. A research of main value orientations shared by European countries population</td>
<td>Halman, L.C.J.M.; Hagenaars, J.A.P.; Moors, G.B.D.</td>
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<tr>
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<td>Left and right in modern society</td>
<td>Halman, L.C.J.M.; Heinen, A.G.J.J.</td>
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<td></td>
<td>Social capital in contemporary Europe: Evidence from the European Social Survey</td>
<td>Halman, L.C.J.M.; Luijkx, R.</td>
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<td>Atlas of European Values</td>
<td>Halman, Loek; Luijkx, Ruud; Zundert, Marga van</td>
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<tr>
<td></td>
<td>Contemporary work values in Africa and Europe: Comparing orientations to work in Africa and European societies</td>
<td>Halman, L.C.J.M.; Muller, H.</td>
</tr>
</tbody>
</table>
Publication

Title: How secular is Europe?
Creator(s): Halman, L.C.J.M.; Draulans, V.J.R.
Subject: Description
Publisher: Contributor
Date: 2006
Type: Article / Letter to the editor
Language: Relation
Coverage: Rights: © Universiteit van Tilburg
OAI Id: 3256388
Please select the countries/waves researched in the publication.

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Concepts

List of existing concepts
- Civic sense versus permissiveness
- Confidence in the church
- Personal interest morality
- Self-determination morality
- Traditional belief
- Passive participation
- Rites of passage

This publication's concepts
- Add new concept
  - Denomination (2)
  - Post-materialism (4)
  - Religiosity (9)
  - Religious pluralism (1)
  - Religious practice (4)
Variables & Syntax

Selected publication: Halman, L.C.J.M.; Draulans, V.J.R. - How secular is Europe?

Please select the variables used for the concept religiosity.

- V115 - do you believe in: God (Q30A)
- V116 - do you believe in: life after death (Q30B)
- V117 - do you believe in: hell (Q30C)
- V118 - do you believe in: heaven (Q30D)
- V119 - do you believe in: sin (Q30E)
- V120 - do you believe in: telepathy (Q30F)
- V121 - do you believe in: reincarnation (Q31)
- V122 - which statement closest to your beliefs (Q32)
- V123 - how important is God in your life (Q33)
- V124 - do you get comfort and strength from religion (Q34)
- V125 - do you take moments of prayer/meditation (Q35)

Please enter the exact description on the construction of this concept - you may copy and paste your syntax codes concerning this concept.

RECODE
v123
(MISSING=5.5) (ELSE=Copy) INTO rv123.
RECODE
rv124
(1=1) (ELSE=0) INTO rv124.
RECODE
v110
EPE - DDI3 output

All data collected is mapped to DDI 3 OAI server, data is DDI 3

Enhanced publication information is harvested periodically by library
Subject Portal

Implemented by Tilburg LIS

Get It! based on Meresco search engine

Info is held in DIDL container
  Bibliographic info in MODS
  Data from EPE in DDI 3
Get It! Architecture

- DANS
- Gesis
- Nesstar

Library Repository DIDL/MODS

- EPE (DDI 3.1)
  - CentERdata
  - Harvester

- SRUUpdate

Enrichment server

- SRUUpdate

Get IT! Server+ Search Engine

- Browser
Filtering Publications

DatapluS
Enhanced publications of the European Values Studies and International Eurobarometer

Narrowed down to:

Work

Narrow your results:

Year
2003 (2)
2004 (1)

Name
Halman, L. (3)
Geelissen, J. (3)
Arts, W. (2)
Witte, H. d. (2)
Hajering, J. (1)

Keyword
Religion (1)
Politics (1)
Moral issues (1)
Family (1)

Country
Luxembourg (2)
Ukraine (2)
Croatia (2)
Greece (2)
Russian Federation (2)

Concept
Post-materialism (1)
Religious practice (1)
Religious affiliation (1)
Work (1)
Self-determination morality (1)

Results 1 - 3 of 3

1. European work orientations at the end of the twentieth century
   Witte, H. d.; Halman, L. C. J. M.; Geelissen, J. P. T. M.
   Arts, W. A.; Halman, L. C. J. M. (Ed.) European Values at the Turn of the Millennium

2. Cross-national Differences in Public Consent to Divorce: Effects of Cultural, Structural and Compositional Factors
   Geelissen, John
   Arts, Wil; Hagenaars, Jacques; Halman, Lcck (Ed.) The Cultural Diversity of European Unity: Findings, Explanations and Reflections from the European Values Study

3. Arbeitsorientaties in Europa aan het einde van de twintigste eeuw: Een multi level analyse met individuele en contextualiserende
   Witte, H. d.; Halman, L. C. J. M.; Geelissen, J. P. T. M.

Availability

Show details

Request item from deposit

T 00338
Cross-national Differences in Public Consent to Divorce: Effects of Cultural, Structural and Compositional Factors

Author(s):
Gelissen, John

Source:
Arts, W., Hagemans, J., Hameleers, H., & Loek, L. (Eds.) The Cultural Diversity of European Unity: Findings, Explanations and Reflections from the European Values Study

Publication date:
2003

Publication type:
bookPart

Language:
English

RecordID:
1000072801100

Variables:
V164, V161, V162, V167, V174

Repository:
tiburg

Publication type:
bookPart

details:

Public consent to divorce:
V234: Do you justify divorce (Q51)

Syntax:
* Public consent to divorce.
  freq v234.

  * Religious affiliation:
    comp kergshami(v110a;1,2,3).
    comp chur=0.
    if v102=1 chur=1.
    if any(v102,2,3) chur=2.
    if any(v102,5) chur=3.
    if any(v102,8) chur=4.
    if any(v102,4,6,7,9) chur=5.
    if church=0 and any(v104,2,3) chur=6.
    if church=0 and any(v104,5) chur=7.
    if church=0 and any(v104,8) chur=8.
    if church=0 and any(v104,6,7,9) chur=9.

  * Church attendance: LUXEMBOURG.
Lessons Learned

Distribution of responsibilities
  – Leverage strengths of each organization

Use DDI3 as “glue” between organizations

Can use existing tools and infrastructure
CentERdata
Institute for data collection and research

Tilburg University