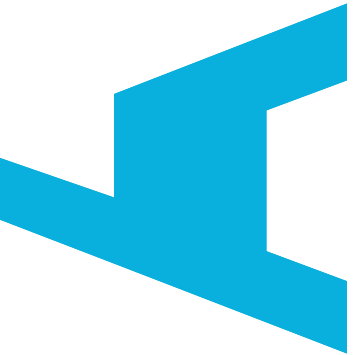




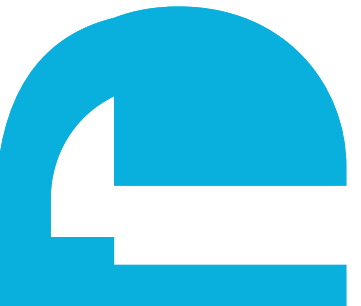
## *Data Archiving and Networked Services*



# Persistent identifiers & Metadata for trusted digital repositories



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Project Manager  
7 May 2012





# Agenda

Persistent identifiers: Do they need metadata?



- DANS
- Sustainable Access
- Repositories in NL
- Persistent identifiers & metadata



# Data Archiving & Networked Services

- Institute of Dutch Academy and Research Funding Organization (KNAW & NWO) since 2005
- First predecessor dates back to 1964 (Steinmetz Foundation), Historical Data Archive 1989
- Mission: promote and provide sustainable access to digital research information



KNAW





# Sustainable Access

## Meat eaters are selfish and less social

“Meat brings out the worst in people”. This is what psychologists of the Radboud University Nijmegen and Tilburg University concluded from various studies on the psychological effects of eating meat.

Thinking of meat as a “loutish”. It also makes people feel insecure, psychologists suggest.

nature

International weekly journal of science

News

## Report finds massive fraud at Dutch universities

Investigation claims dozens of social-psychology papers contain faked data.

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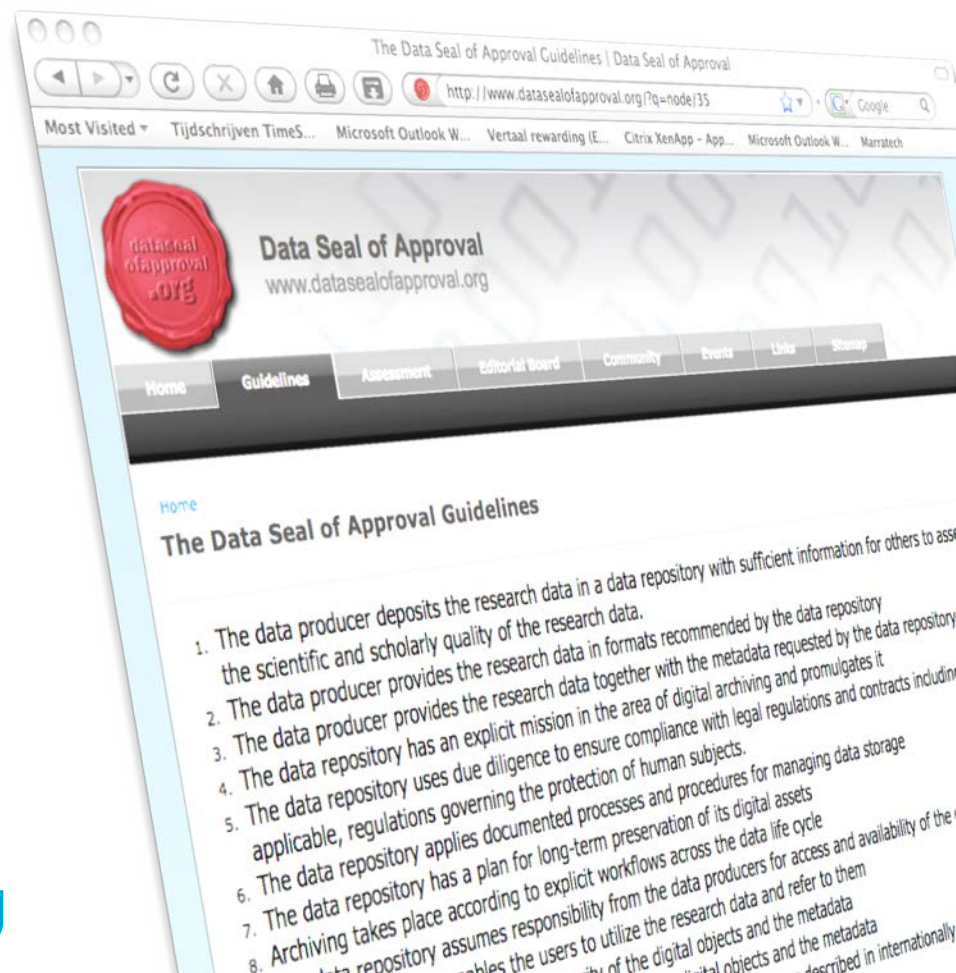
# Providing sustainable access

## Data Seal of Approval *5 Criteria, 16 Guidelines*

The research data:

- can be found on the Internet
- are accessible (clear rights and licenses)
- are in a usable format
- are reliable
- can be referred to (persistent identifier)

[www.datasealofapproval.org](http://www.datasealofapproval.org)





# Overview in NL

> 25 institutional repositories

*Data Archiving and Networked Services*

**DANS**

3TU.Datacentrum

**KB** Koninklijke Bibliotheek  
National Library  
of the Netherlands

narcis

URN:NBN





# Persistent identifiers

- Goal
  - allow trusted and sustainable references to scientific resources in repositories
- How
  - maintainable indirections via central resolver
  - transparent policy
  - Minimal dependencies, only essential metadata



# Example

- “War In Parliament”
  - Parliamentary reports stored at parliament
  - Researchers parse / store these in research environment
  - Deposits archival copies at DANS
- Required metadata in resolver
  - Location for retrieval
  - Management data for ownership
  - Provenance to register mutations
  - Fixity





# Metadata

...to ensure trusted and sustainable references

	What
Reference	REPO <a href="http://dummy.uva.nl/abc/123.xml">http://dummy.uva.nl/abc/123.xml</a> 1 LTP <a href="http://easy.dans.knaw.nl/qwerty">http://easy.dans.knaw.nl/qwerty</a> 2
Management	WIP/Amsterdam University(35)
Provenance	2012-01-02T09:31:16Z, reg identifier, submit by WIP/UVA 2012-04-20T14:05:12Z, add LTP location, deposit at EASY/DANS
Fixity	e10adc3949ba59abbe56e057f20f883e
Representation?	text/xml



# Roadmap DANS

- Further national integration
  - Metadata registry ([www.narcis.nl](http://www.narcis.nl)) and longterm preservation archives
- Join forces with DNB/PersID for sustainable identification
  - Collaborate on policy, technology and communication
- Join DataCite for citation 3TU.Datacentrum
  - Scientific credits needed for datasets
- Projects with continuous challenges
  - Projects put new requirements. Challenge to maintain a simple durable system.



# Summary

Persistent identifiers: What metadata is required?

- Metadata on object: Responsibility of repository!
- Metadata on reference: Responsibility of resolver
- Minimize complexity of resolver: only essential metadata on link



# Thank you for your attention

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**DANS**