

Linked Data and Digital Heritage in the Netherlands - a Dutch approach

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Contents

- Introduction national strategy& network principles
- Building the digital heritage network
- Our current work
- Lessons learned & next steps





Digital heritage: our common ground

Stimulating cooperation between:

- about 1500 heritage organizations
- cross domain: libraries, archives, museums, other institutions
- national, regional, local networks
- using different IT environments
- many different goals and funding schemes

Aligning digital activities

- improving digital visibility
- publication and reuse of digital information
- exchanging knowledge and information



Initiators Dutch Digital Heritage Network



KB \ national library of the netherlands



Rijksdienst voor het Cultureel Erfgoed Ministerie van Onderwijs, Cultuur en Wetenschap



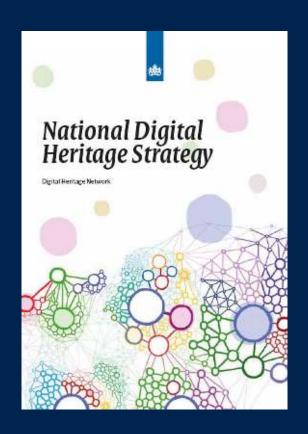


supported by





A common digital heritage strategy







Network principles

- Focus on users
- Common vision: publish your data as Linked Data and assign standardized terms to your digital heritage information
- Share knowledge and resources on national - regional - local level
- We are open, connected and innovative
- Every partner is equally important



"We have an agreement in principle. The question is, do we all have the same principles?"



Approach

- Sustainable: long term access
- Usable: standardisation & linking
- Visible: user requirements

Results

• Tools and capacity building





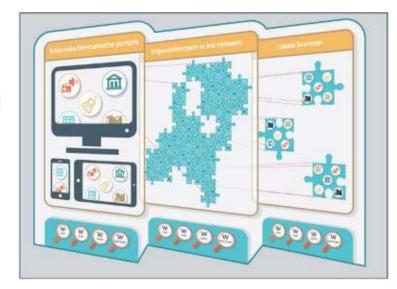
Position paper (2015) Design principles for the discovery infrastructure

Rethink the network:

- maximize the usability of data at the source
- refer to data instead of copying
- build service portals as dynamic views based on a common, interconnected data layer
- minimize the intermediate layers
- improve visibility on the web in general

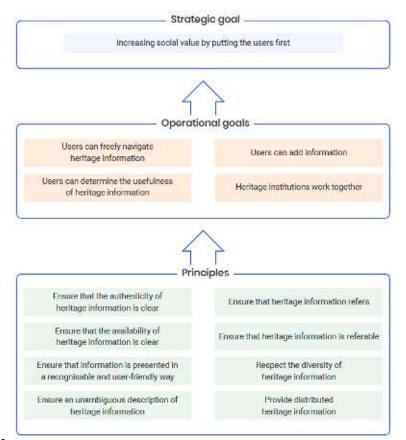
Apply:

- Linked Data (and FAIR) principles
- 'web-centric' technologies (HTTP, RDF, Web APIs)
- decentralized/distributed technologies where possible





Cross-domain Reference Architecture (2016)





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Manifesto Dutch Digital Heritage Network







'Fireside meetings' with software vendors (2017 & 2018)



Manifesto signed by vendors (2018)



Vendors presenting their compatibility (2022)



Collectieregistratiesystemen en linked open data (21 maart 2022)

8 video's * 159 weergaven * Laatst geüpdatet op 24 mrt, 2022

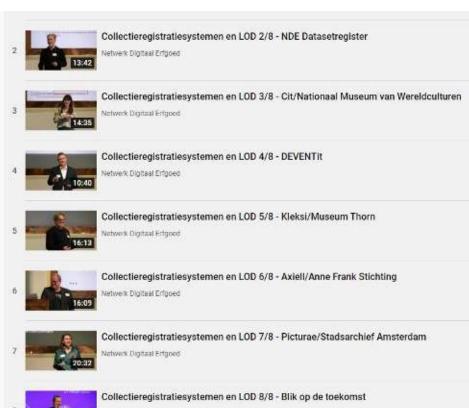












Netwerk Digitaal Erfgoed













Checklist collections management software (2022)



Is it supporting the use of sustainable identifiers?



Can collections be included in the Dataset Register?



Will the metadata be published as Linked Open Data?



Is it supporting the use of terminology sources? Via Network-of-Terms?



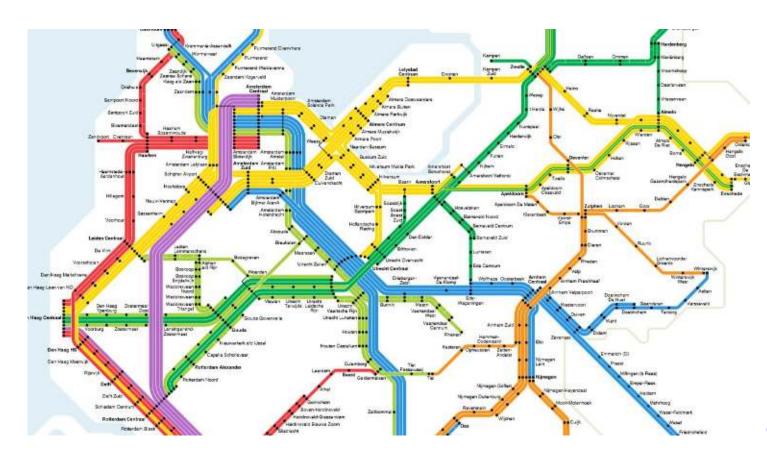
Is it implemented (showcases)?



Part of standard versions/licenses of the software?



#wheretostart?





#wheretostart? => network of support!

SPOORBOEKJE DIGITALISERING ERFGOEDCOLLECTIES

Welkom

Dit is het Spoorboekje voor digitalisering van erfgoedcollecties. Digitaal erfgoed heeft allerlei handige voordelen. Het is de ideale manier om je collectie duurzaam te bewaren en te beheren, om nieuwe doelgroepen te bereiken en ook dé manier om je collectie in samenhang met andere collecties te presenteren.





het de betrokkenheid van financiers, partners en het publiek.

Downloads en literatuurtips



Network of regional digitalheritage-coaches



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Building a discovery infrastructure

Visible

Service providers



Usage profiles



Campagne & channel



Rights & Usage

Usable

Infrastructure providers



Terminologie Sources



Registries



Aggregators



Knowledge Graph

Sustainable

Source providers



PID & LOD



Preservation Policy & Certification



Cost model Preservation



Index Preservation Services

OVERALL









Services Toolbox



Service implementation & management

For detailed information: www.netwerkdigitaalerfgoed.nl (also in English)

19-26

Datasetregister & Network-of-Terms



Network of Terms

Search terms Look up term

Search words For a samplat Bernbrandt, Amstendam or painting

Terminology sources Search

Search

C 227

https://datasetregister.netwerkdigitaalerfgoed.nl/ Requirements for Datasets https://netwerk-digitaal-erfgoed.github.io/requirements-datasets/ Search engine for shared terms https://github.com/netwerk-digitaal-erfgoed/network-of-terms



Home TAD THEY O

Requirements & specifications





LOD Aggregator in cooperation with Europeana

LOD-aggregator (LODA)

Summary

An increasing number of heritage institutes are taking steps to publish their collection information as Linked Open Data (LOD), especially in Schema.org to increase the visibility in Google and other major search engines. To lower the barriers for the contributing data to Europeana we designed a basic pipeline, the LOD-aggregator, that harvests the published Linked Data and converts the Schema.org information to the Europeana Data Model (EDM) to make the ingest in the Europeana harvesting platform possible. This pipeline was build to demonstrate the feasibility for this approach and to prove that production ready data can be provided this way.





=> Paper: https://zenodo.org/record/4062455



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Some lessons learned so far

- Moving in the right direction is more important than doing everything right
- Use the power of networks seek cooperation
- Align strategy on national- regional-local levels
- New technologies take a long time to implement
- Strategic choices for improving the legacy systems (evolution) or building the new ones (disruption)
- Showcases and example implementations are important to broaden the uptake
- Choose the most generic form, this promotes adoption and sustainability
- Work on mutual trust
- In the end it's about connecting people and organizations
 - Network of support : digital-heritage-coaches
 - Network of vendors
 - Manifesto key in linking strategy-organizations-people



Thanks for your attention!

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