

Developing a national digital library

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www.kb.nl

Overview

- 1. Strategy
- 2. Network
- 3. Infrastructure

Part 1: Strategy

- 1. Realize the national digital library
- 2. Reinforce national and international co-operation



https://www.kb.nl/sites/default/files/docs/strategicplan-2015-2018.pdf

The power of our network

- Strong focus on the customer
- 2030 everything digital
- Library as a platform
- New legal tasks for the public library network:
 - Digital infrastructure
 - ILL and Collection Policy
 - Digital Content Policy



https://www.kb.nl/sites/default/files/docs/strategicplan-2015-2018.pdf

Our customer



The Netherlands:

- **4** 17 million inhabitants
- **4** *million registered users*
- * 160 public libraries
- **❖** 1,100 service points



Our customer

- will find it easy to see what the library has to offer
- has a platform for research in Dutch publications
- has access to as much digital content as possible
- experiences a single library
- is tempted and helped to use library collections
- can rely on the fact that Dutch publications remain permanently accessible

The power of the network

- Build strong partnerships with organizations in the field of
 - libraries
 - heritage institutions
 - academia
 - publishers
 - private partners
 - public partners



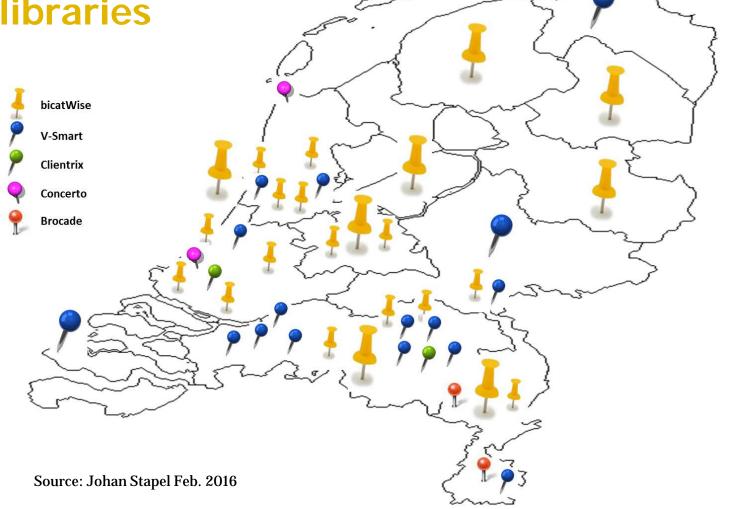
https://www.kb.nl/sites/default/files/docs/strategicplan-2015-2018.pdf

Part 2: The network

- the Dutch library network
 - public libraries
 - university libraries
- supporting Digital Humanities
- Digital Heritage network
- developing an open information infrastructure



160 libraries44 ILS installations



Digital infrastructure public libraries

- shared cataloguing system (OCLC - cbs:ggc)

- discovery services (library collections, full-text)

- delivery services (e-books, ILL, other)

- website infrastructure (national/local websites, campaigns)

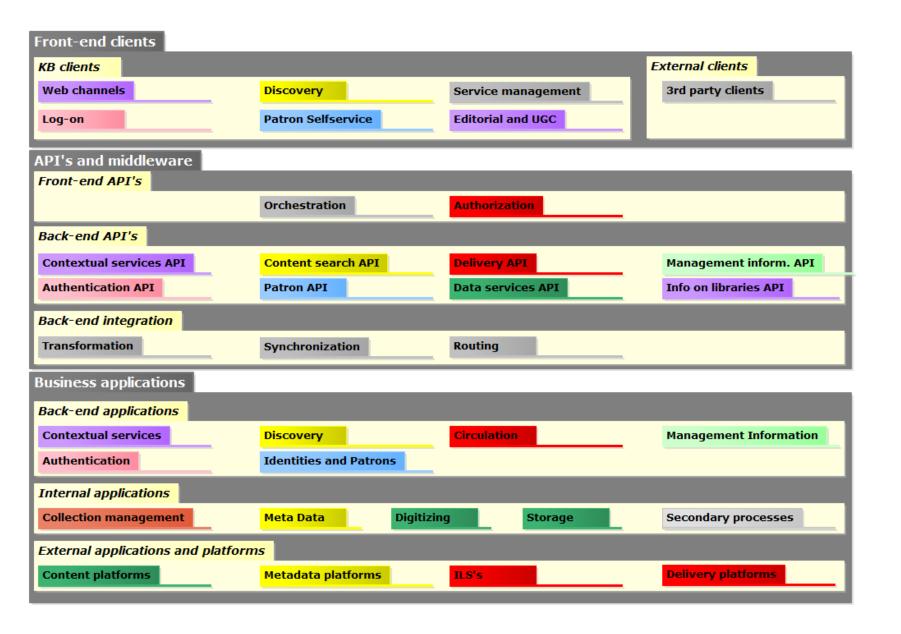
- identity & access management (single sign-on)

- content services (literature, education, ...)

- datawarehouse (business information, marketing)

- ranging from project to mature level services

Architecture overview



Front-end

Middleware API

Back-end

UKB – University Libraries & KB

- Improve delivery of content
 - Open Access
- Enhance infrastructure for discovery & delivery
 - WorldCat / WorldShare
- Support e-research & e-learning



https://www.ukb.nl

Supporting research

- Delpher: full-text books, newspaper, magazines
- e-depot
- dataservices
- research program
- connection to research infrastructure

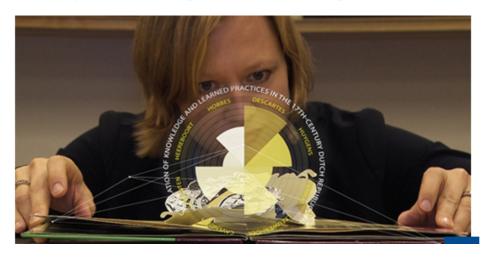


Digital humanities

Services and programmes to facilitate digital humanities research in KB digital collections.

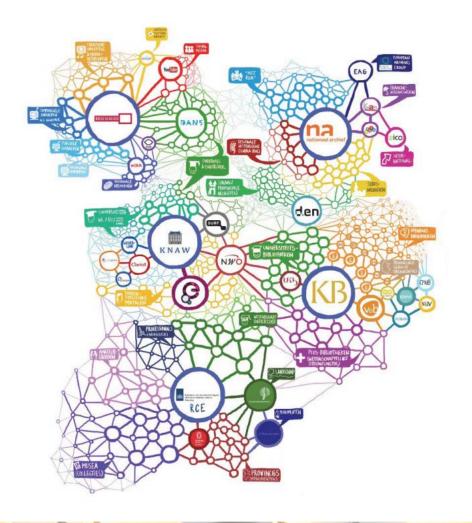
More than 10 million historical text pages, most of them in Dutch, have been made available online on our Delpher platform, full-text and searchable. These newspapers, books, journals and radio bulletins constitute a veritable treasure trove for digital humanities researchers. And we have more data on offer.

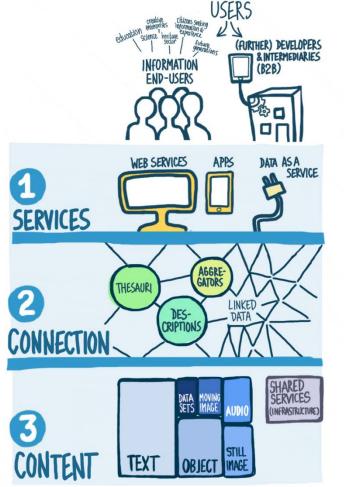
Do you need API's (application programming interfaces) to analyse the data? Or do you need specific tools? Our Digital Humanities team will gladly show you the way:



https://www.kb.nl/organisatie/onderzoek-expertise/digital-humanities

Digital Heritage Network





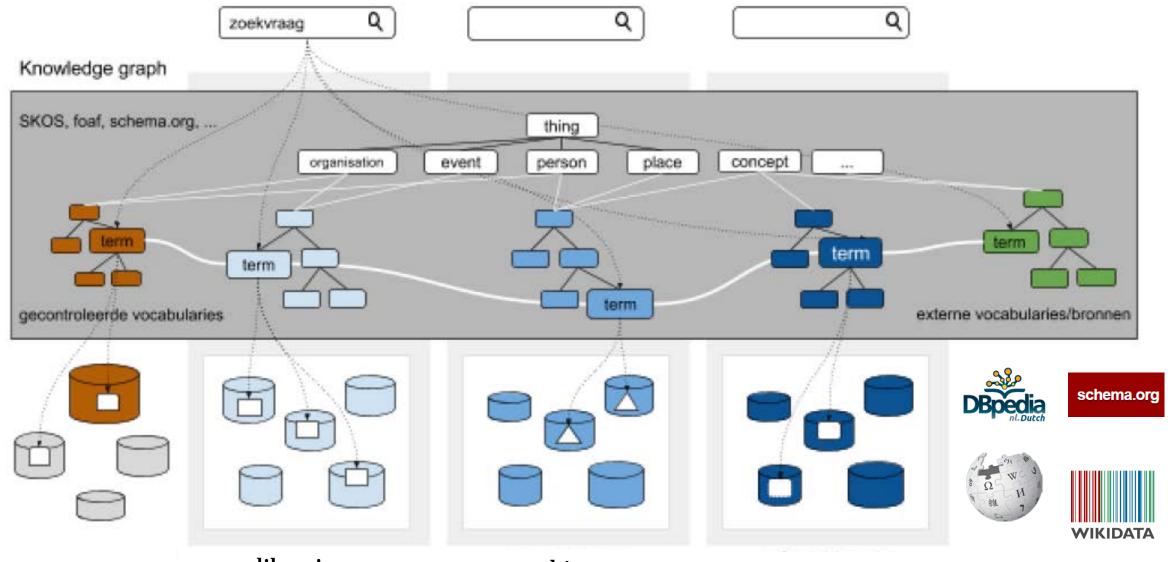
Visible

Usable

Sustainable

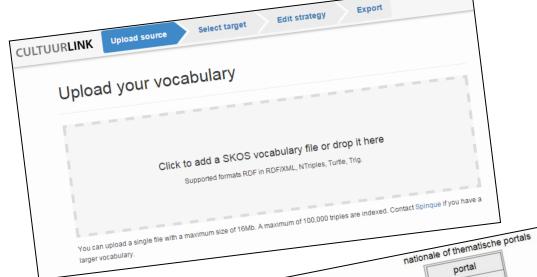
National Digital Heritage Strategy

Knowledge Graph for Digital Heritage



.... libraries archives museums Source: NDE - 2016 / EM

Developing services for aggregation, alignment, sharing...

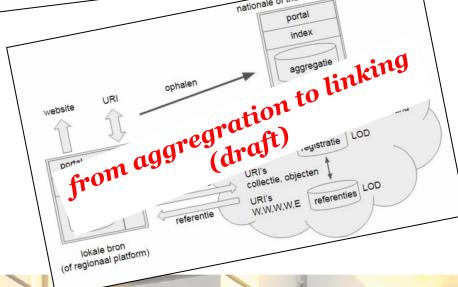




Histograph Concepts Viewer

Histograph: geocoding places of the past

Our cultural heritage is a rich source of open data about places and events in time. Metadata and digital objects are meticulously collected, curated and annotated by specialists in museums, archives, libraries all over the world. The availability of these historical data is increasing fast but collections remain hard to search geographically.





OpenSKOS: Simple Knowledge Organization System Repository

Welcome to OpenSKOS

- What is OpenSKOS?
- Editor
- API
- OAI-PMH

Developing an open information infrastructure

- Use Linked Data as connecting technology
- Publish open and standardized metadata
- Provide authority data for the Dutch library & heritage domain
- Provide alignment services
- Connect to the world outside (web, libraries, research, heritage)



First steps...

Home Van Nederland

Home V Bronnen & zoekwijzers V Dataservices / API's V GGC-Thesauri als linked data

GGC-Thesauri als linked data

Ruim 3 miljoen records uit de GGC-thesauri, ofwel het Gemeenschappelijk Geautomatiseerd Catalogiseersysteem (GGC) dat beheerd wordt door OCLC.

Inhoud van de set

Inhoud van de set is metadata uit vijf GGC-thesauri:

- > De Nederlandse Thesaurus van Auteursnamen (NTA)
- De KB Corporatiethesaurus
- De Brinkmanonderwerpen
- De Gemeenschappelijke Onderwerpsontsluiting (GOO)
- › Nederlandse Basisclassificatie (NBC)

More info



Inicio Personas Entidades Obras Temas Ayuda



Buscar el título de una obra o el nombre de su autor. Ej.: Cien años de soledad, La Ilíada, Ring des Nibelungen, De be



Obras

Biblia

(142 versiones)

Disponible en digital



Don Quijote de la Mancha

Cervantes Saavedra, Miguel

(88 versiones)

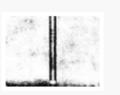
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THE BRITISH NATIONAL BIBLIOGRAPHY

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The British National Bibliography (BNB) records the publishing activity of the United Kingdom and the Republic of Ireland and has been doing so since the 1950s. This has traditionally included printed works and has recently been extended to electronic publications. The dataset includes metadata about published books, already published and forthcoming, and serials i.e. journals, periodicals, magazines, newspapers, etc.

Part 3: Infrastructure

- Discovery & delivery
- Metadata & collection

Our customer

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Visible

Usable

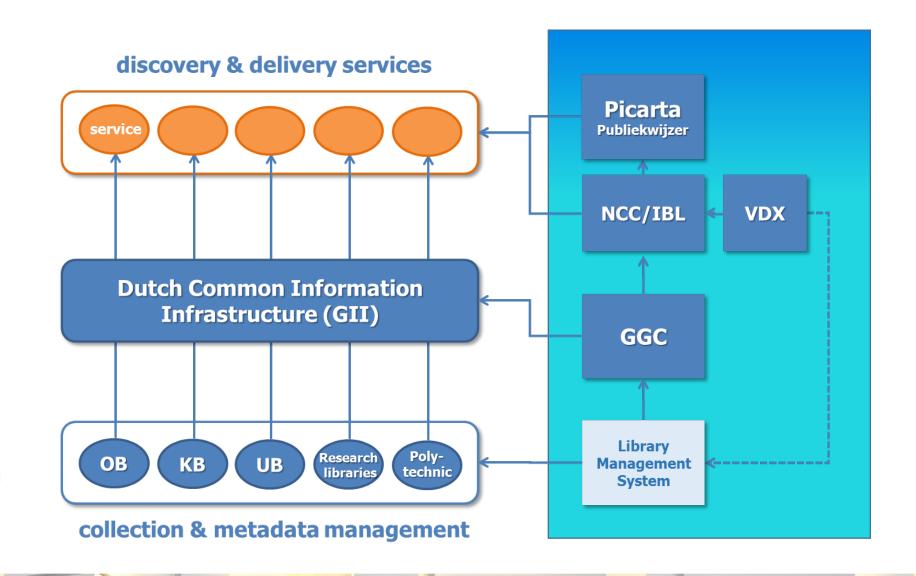
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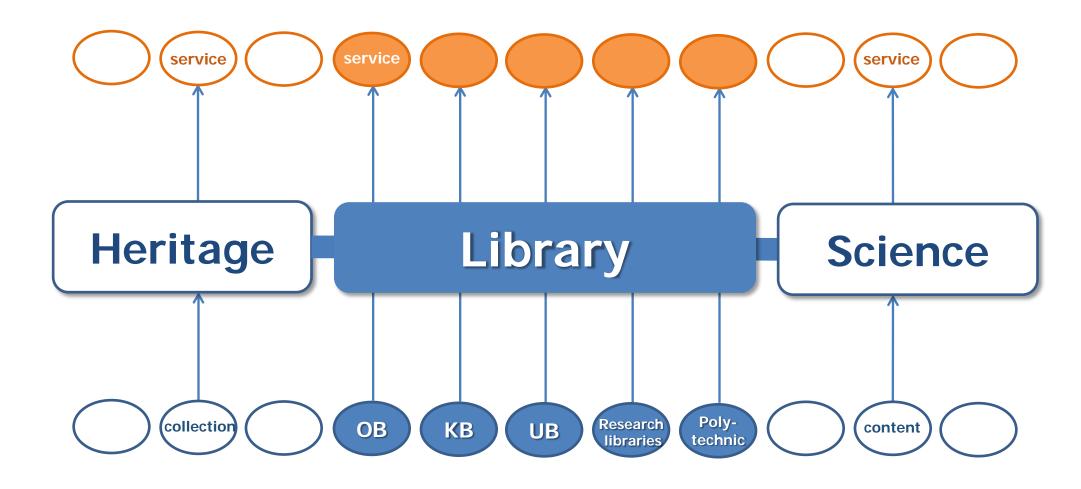
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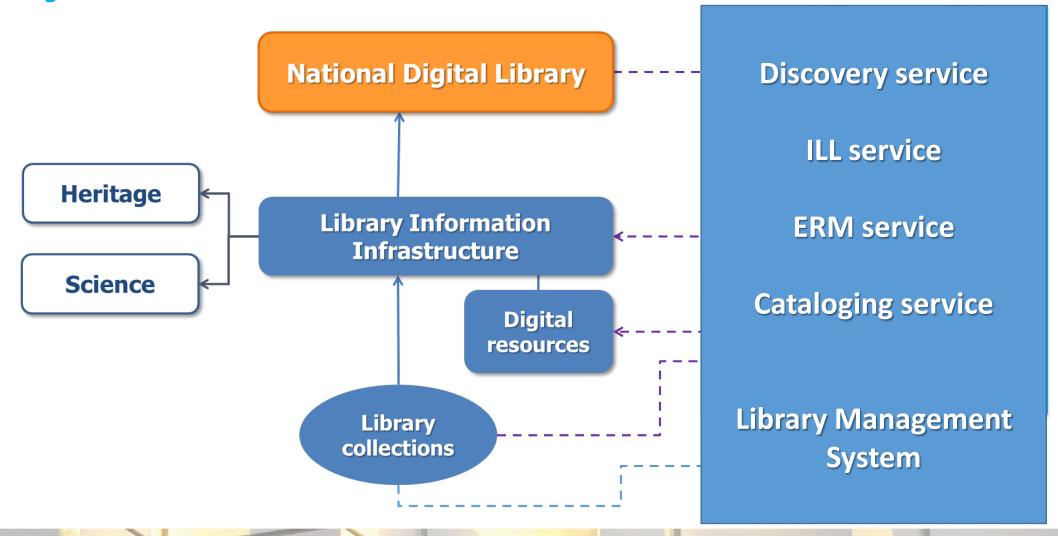
Sustainable



To be



Library infrastructure



um odoratarumque nonnullarum Purgantium historiae libri IV riae pemptades sive libri XXX. et groot Cruydtboeck, hetwelk zouden uitgeven en in gansch . Plantin had zich langzameran al de houtblokken, die bij kers voor andere herbariums gd bij die van zijn eigen uitlustratiemateriaal uit zonder het Museum Plantin Moretus an Pieter van der Borcht, in overwegend en niemand minroote kunst, die de Mechelsche ag legde. "Het is mij", schrijft en tijd in het bekijken van de ydtboeck van Dodoens ver. ik, daarna in den tuin rond. en bloem en heester geschaard eidscher dos meende te zien der takken, de levendigheid ormatie der wuivende kronen, voor mij geopenbaard, en ik ren in den eeuwig afwisselenas. De prenten van Dodoens

within the figure cont

tgever door de banden eener den. Toen Dodoens in 1584 gedurende een paar jaren was, liet Plantin dit met emeenschappelijken vriend

epping duidelijker en dieper as de trouwe illustratie van ater der levende natuur ge-

, als blijk van vriendschap, verbeterden en vermeerderdschen tekst van zijn ge-

