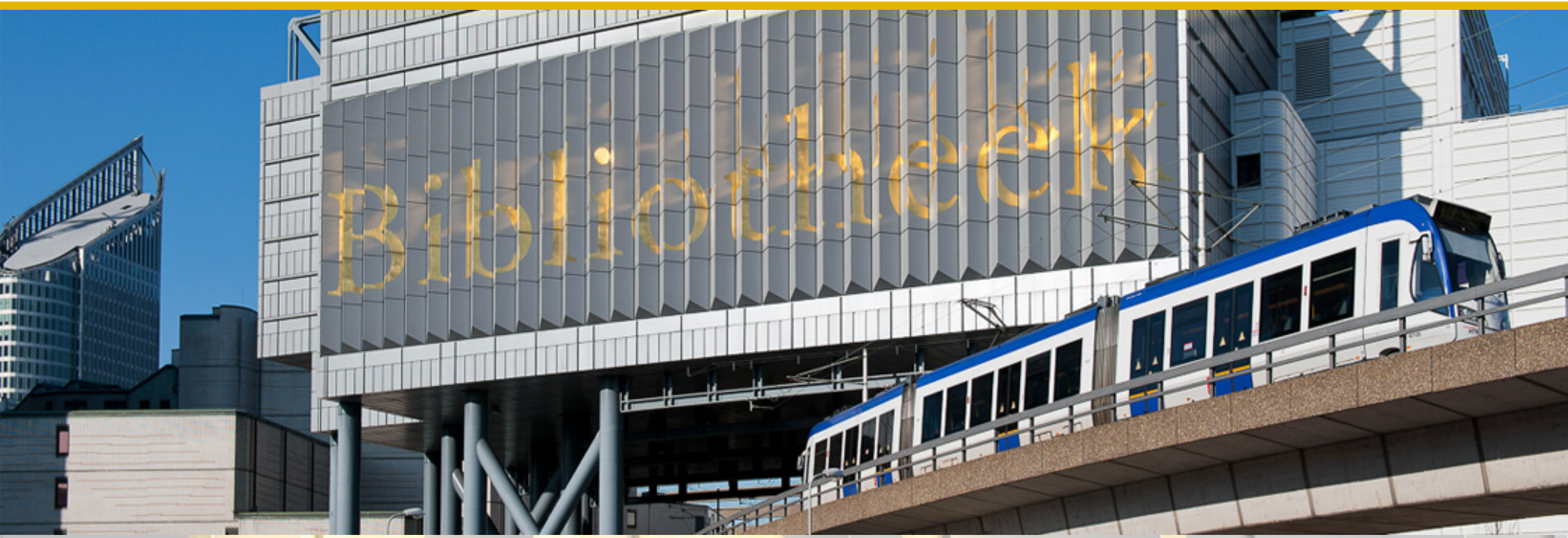
Koninklijke Bibliotheek
National Library of the Netherlands



Developing a national digital library

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Enno Meijers (enno.meijers at kb.nl)

COBISS Maribor, 22 november 2016

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:

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

Our customer

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

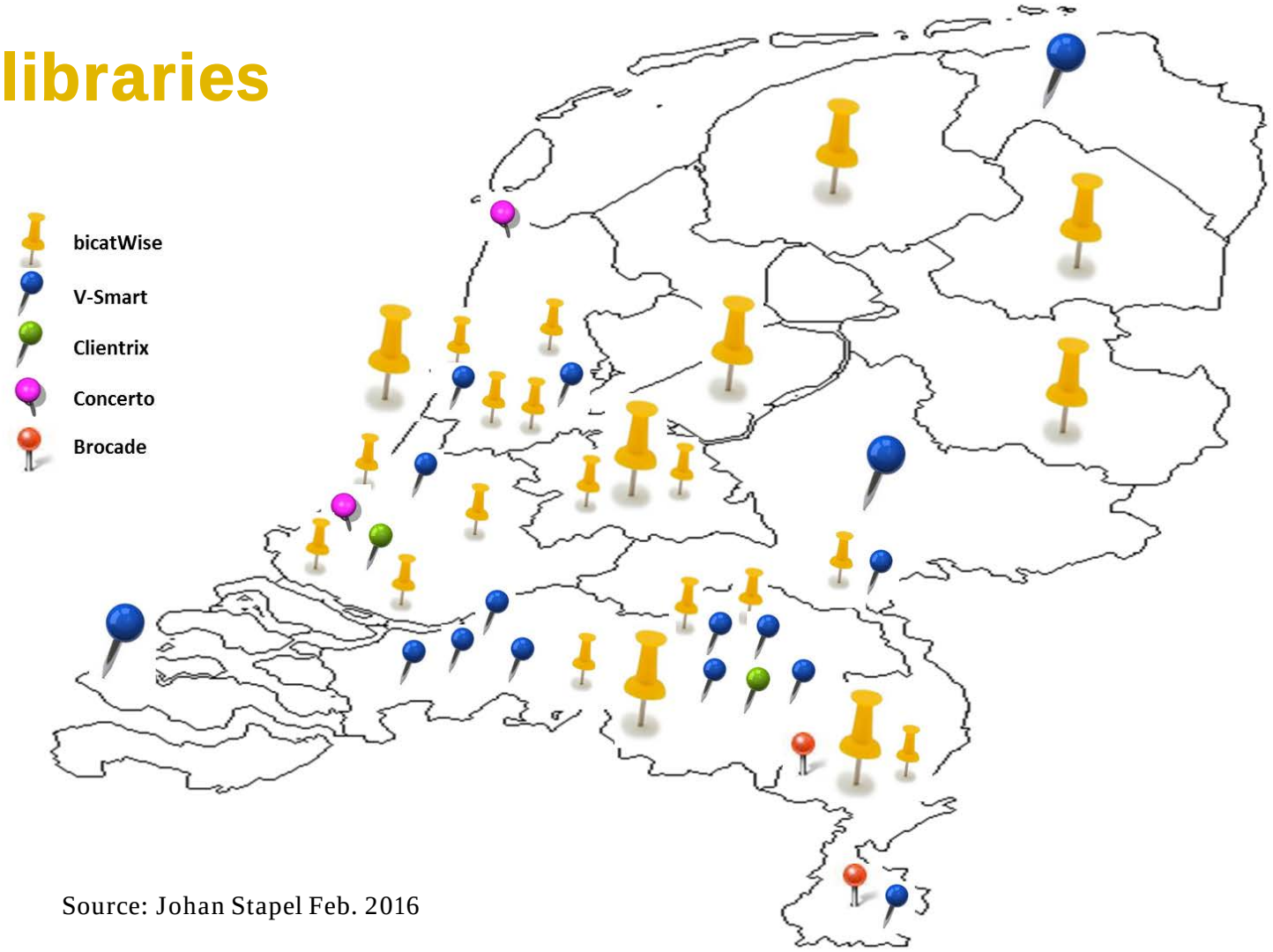
https://www.kb.nl/sites/default/files/docs/strategicplan-2015-2018.pdf

Part 2: The network

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

ILS landscape public libraries

160 libraries
44 ILS installations



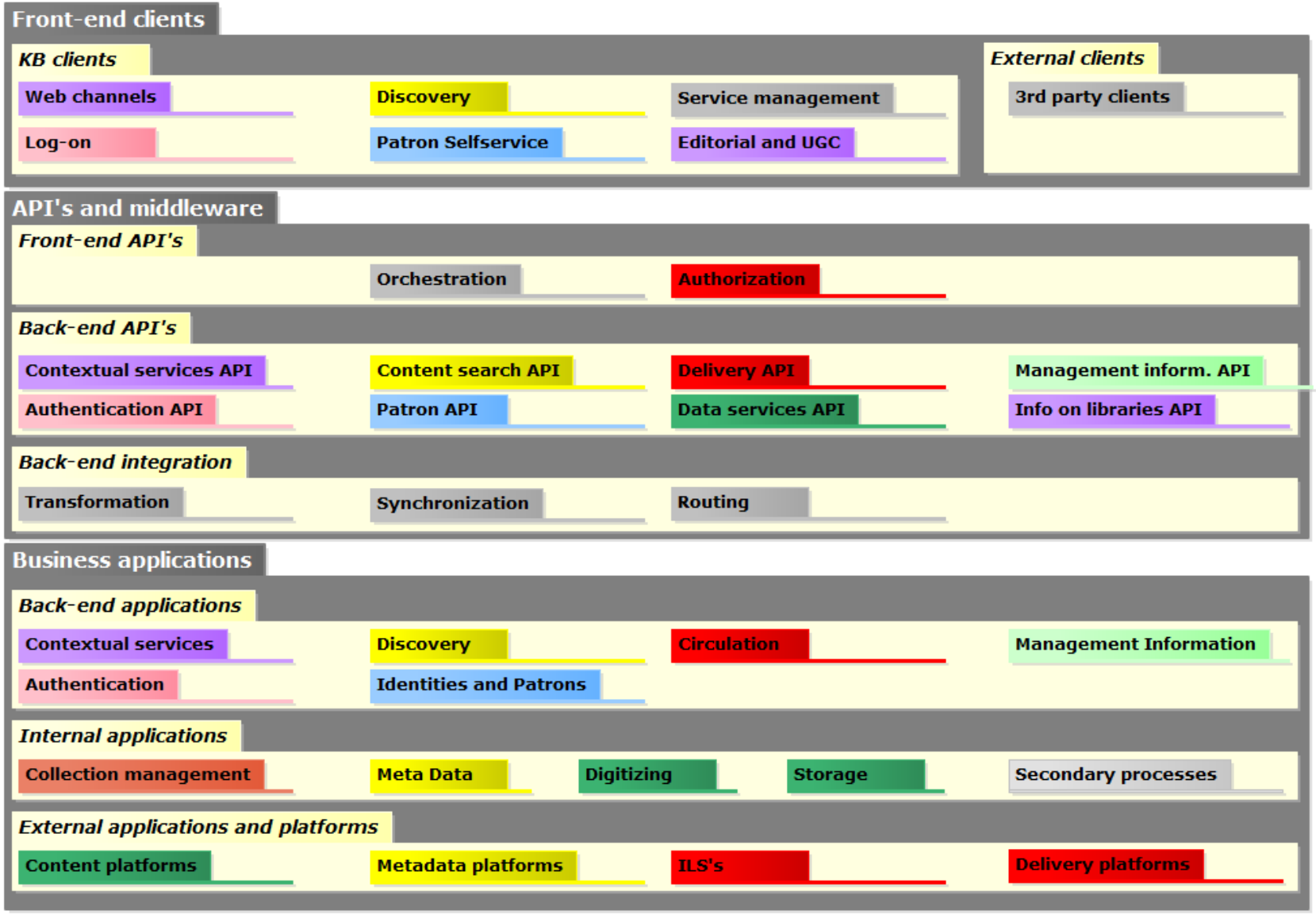
Source: Johan Stapel Feb. 2016

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

https://www.ukb.nl

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

Supporting research

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

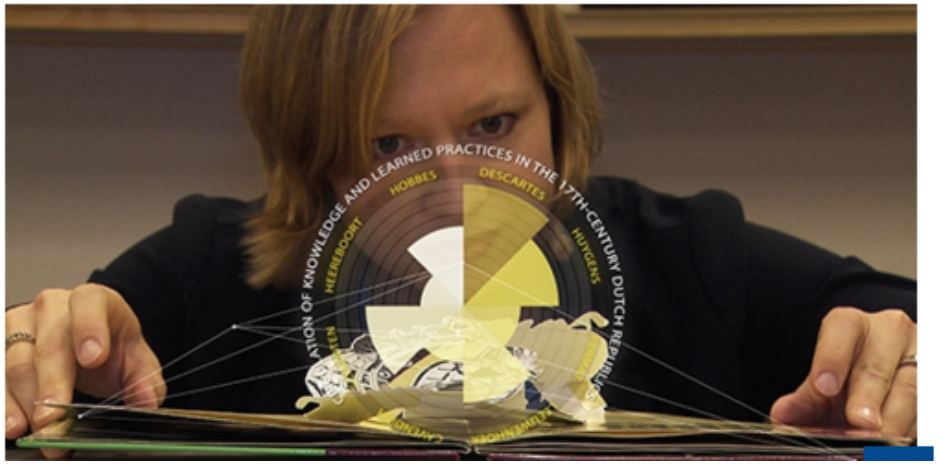
CLARIAH
Common Lab Research Infrastructure for the Arts and Humanities

Digital humanities

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

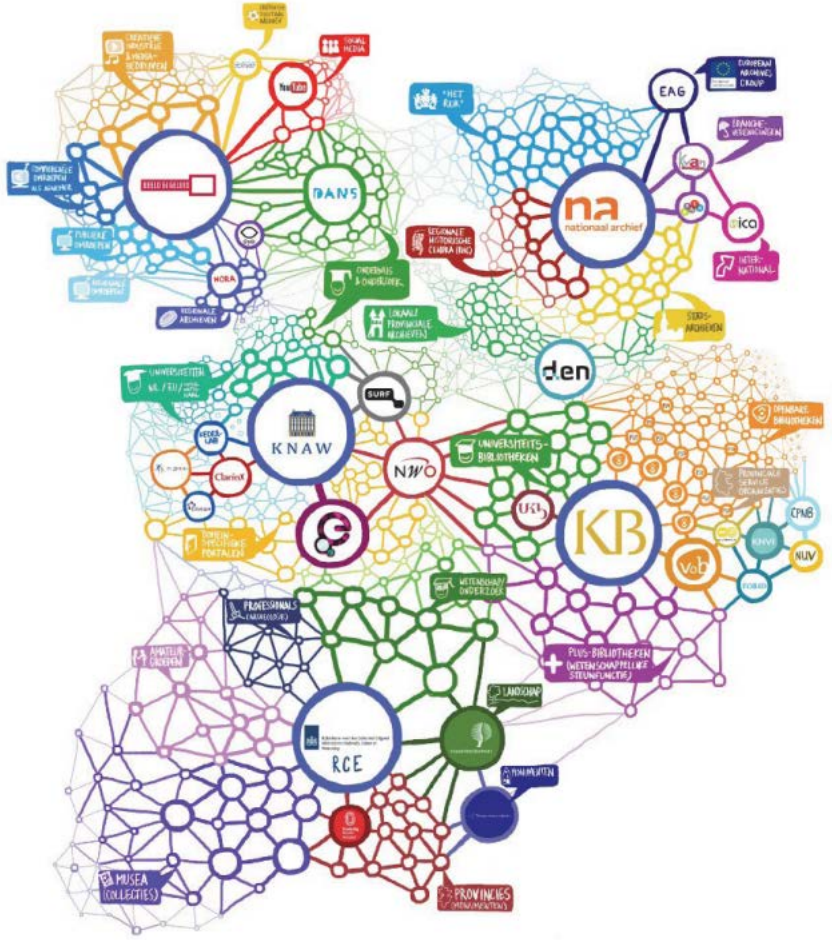
More than 10 million historical text pages, most of them in Dutch, have been made available online on our Delpher platform, full-text and searchable. These newspapers, books, journals and radio bulletins constitute a veritable treasure trove for digital humanities researchers. And we have more data on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

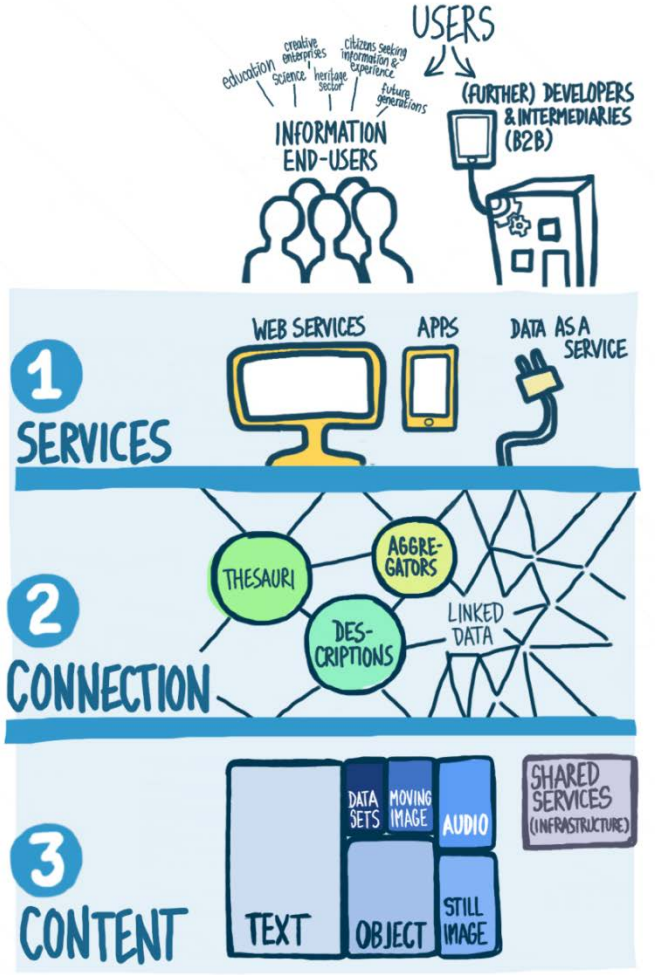
Do you need API's (application programming interfaces) to analyse the data? Or do you need specific tools? Our Digital Humanities team will gladly show you the way:



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

Digital Heritage Network





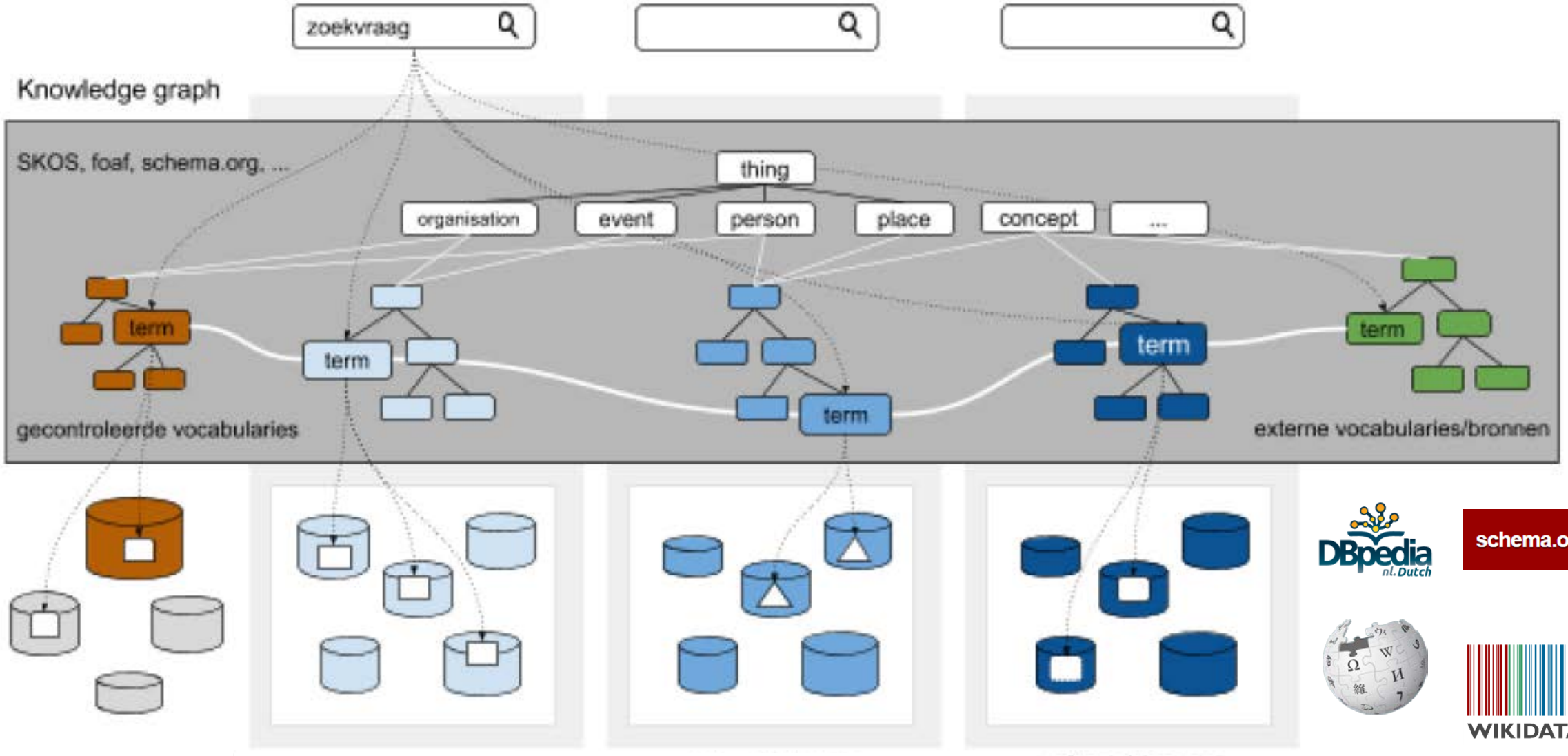
Visible

Usable

Sustainable

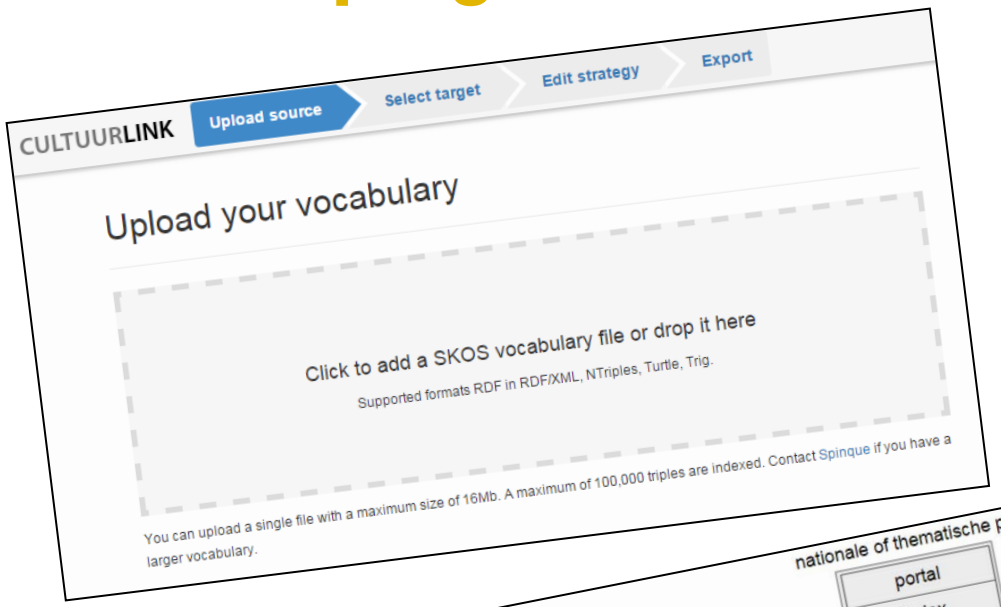
[National Digital Heritage Strategy]

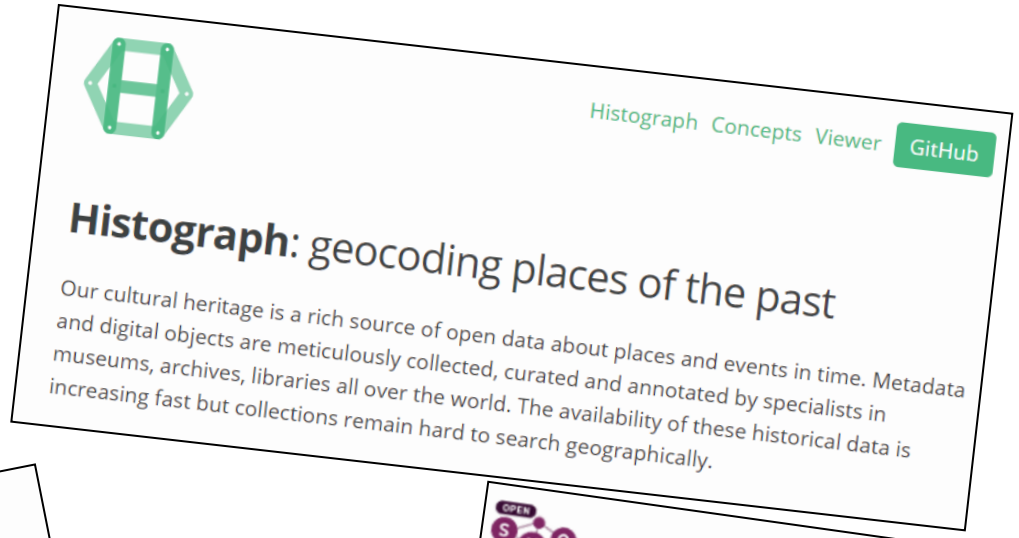
Knowledge Graph for Digital Heritage

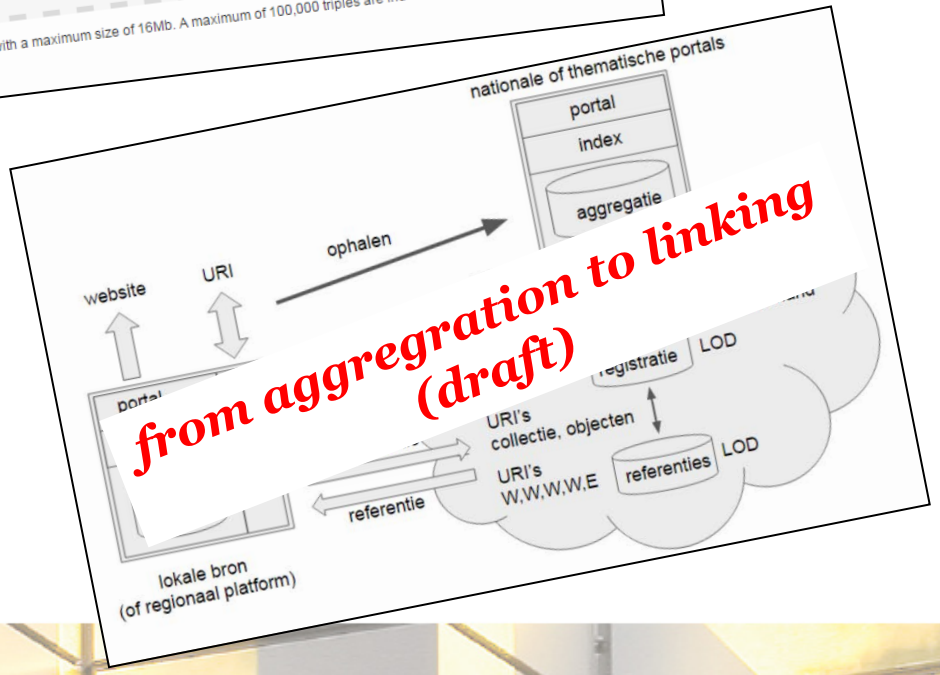


Source: NDE – 2016 / EM

Developing services for aggregation, alignment, sharing..







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...

More info

DATOS·BNE·es *beta

Inicio Personas Entidades Obras Temas Ayuda

BIBLIOTECA NACIONAL DE ESPAÑA BNE

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 de

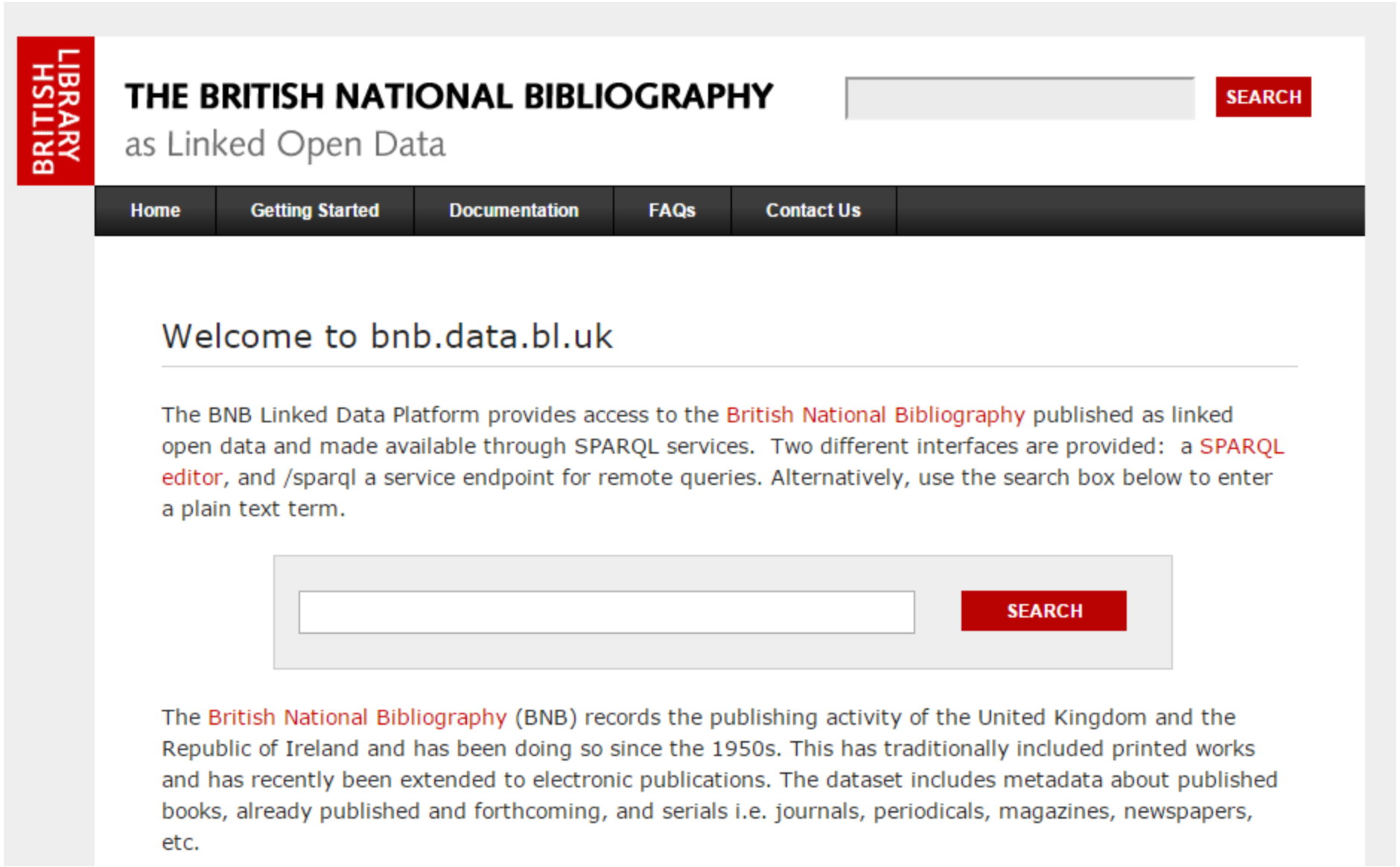
(88 versiones)

Disponible en digital

Biblia. N.T.

(95 versiones)

Disponible en digital


BRITISH LIBRARY HSILIB
THE BRITISH NATIONAL BIBLIOGRAPHY
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SEARCH
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Documentation
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Welcome to bnb.data.bl.uk
The BNB Linked Data Platform provides access to the British National Bibliography published as linked open data and made available through SPARQL services. Two different interfaces are provided: a SPARQL editor, and /sparql a service endpoint for remote queries. Alternatively, use the search box below to enter a plain text term.
SEARCH
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

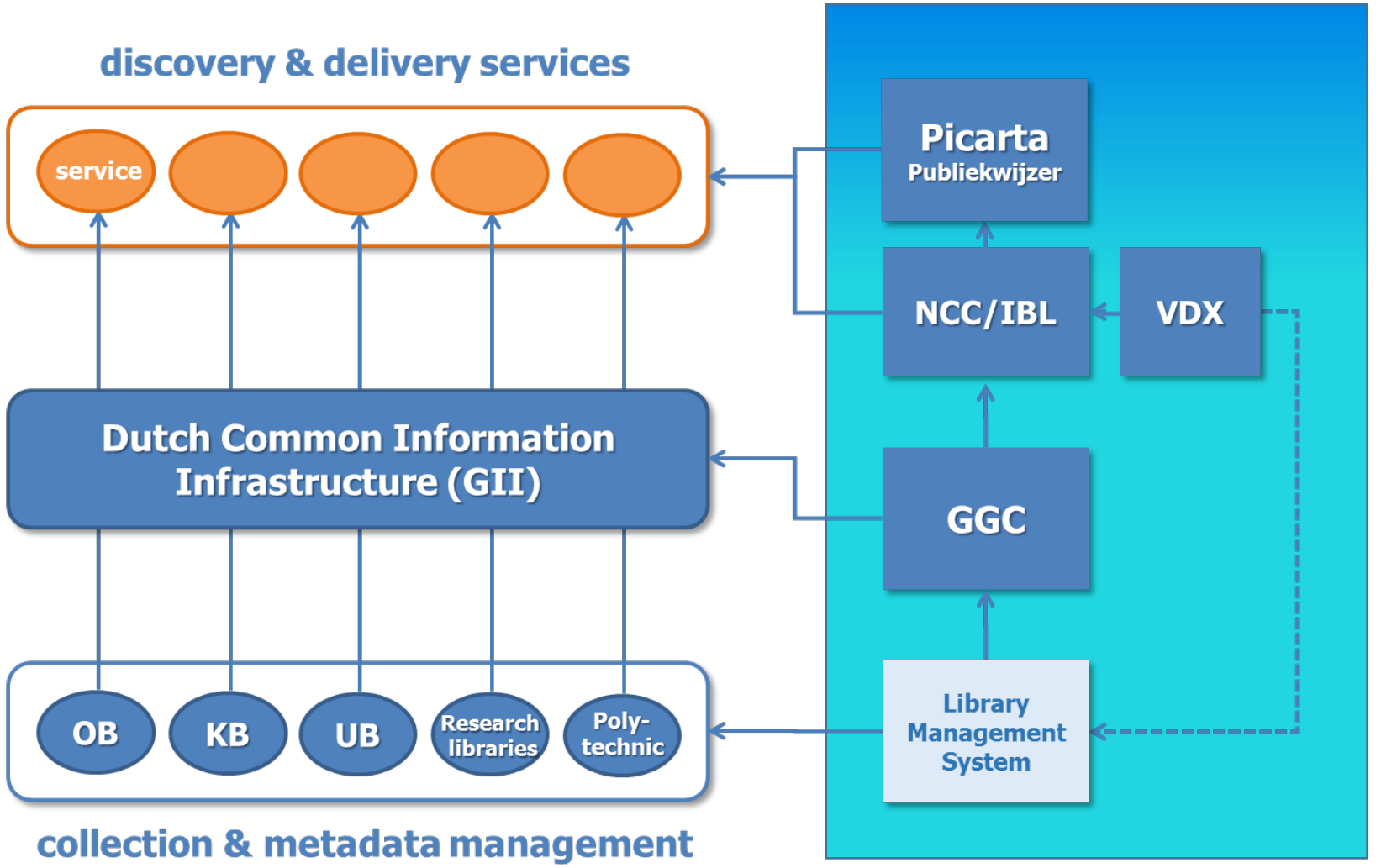
Sustainable

As is

Visible

Usable

Sustainable



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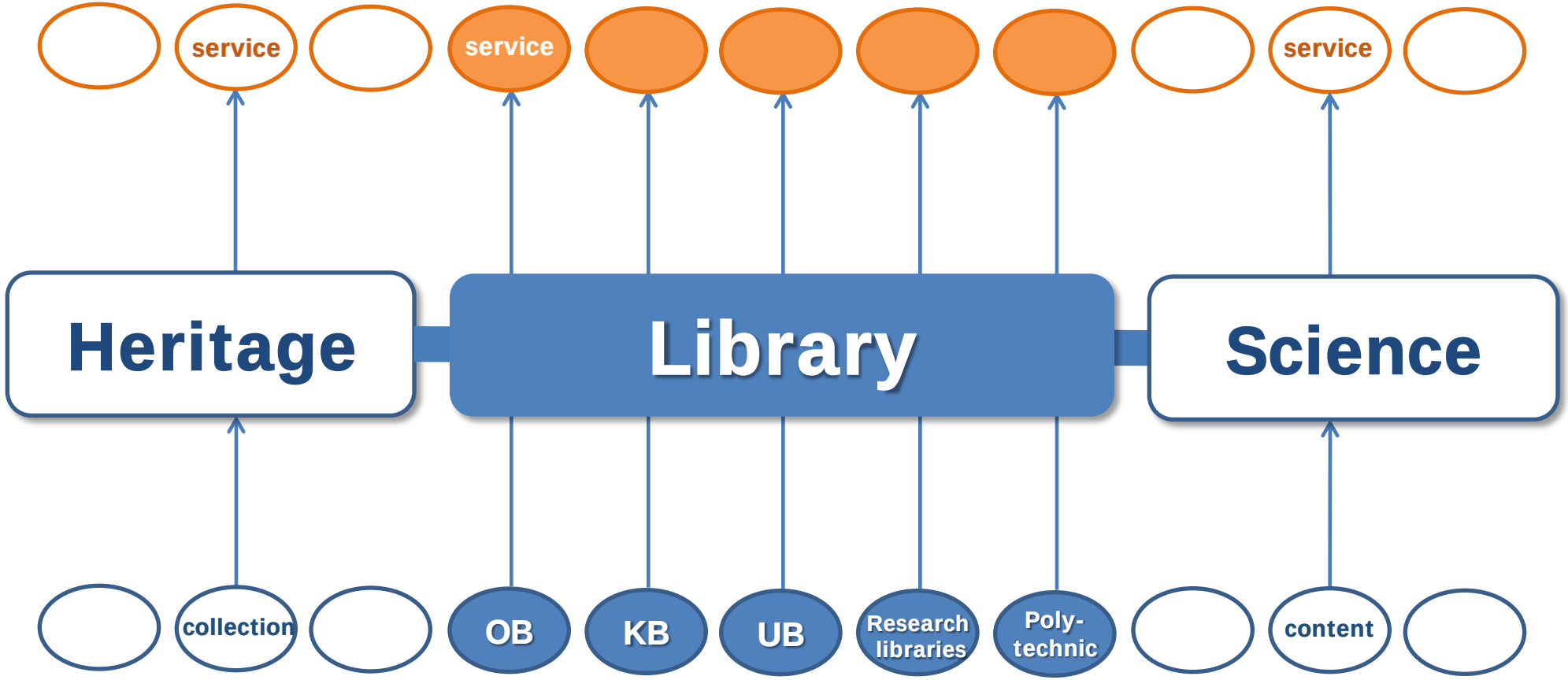
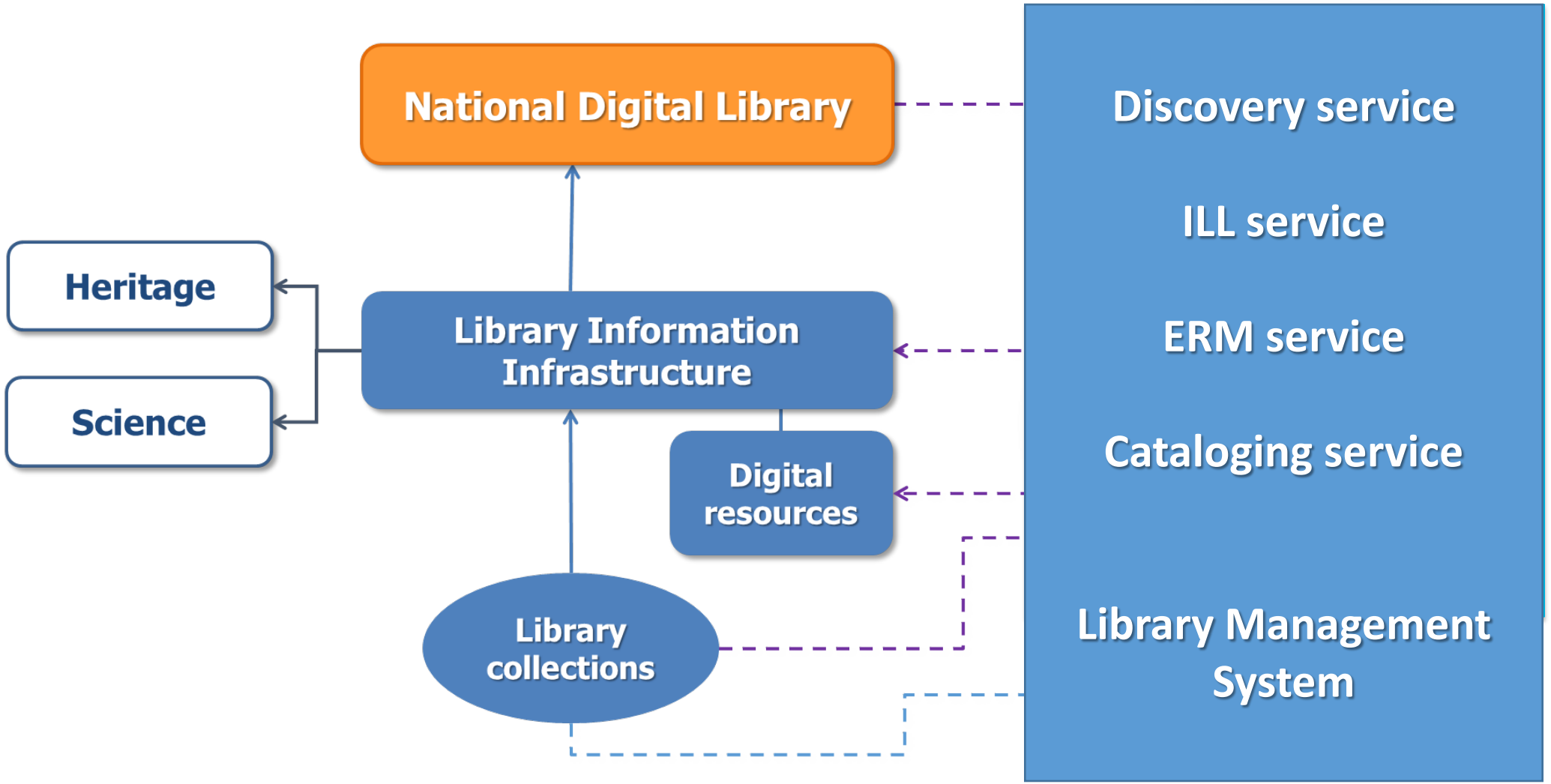
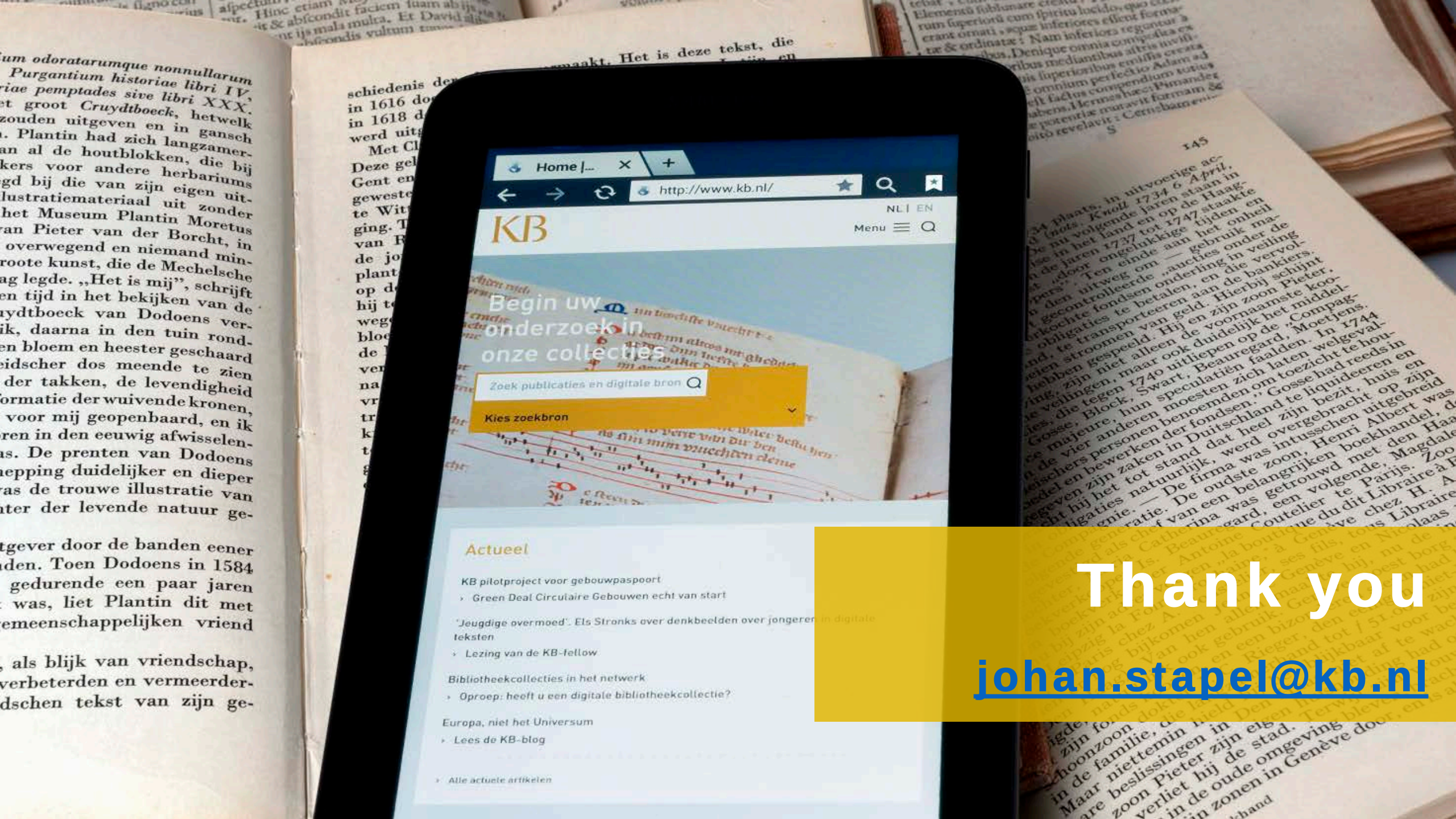

service
service
service
Heritage
Library
Science
collection
OB
KB
UB
Research libraries
Poly-technic
content

Library infrastructure





Thank you

johan.stapel@kb.nl