



# National Library of Finland – Developing National Infrastructures

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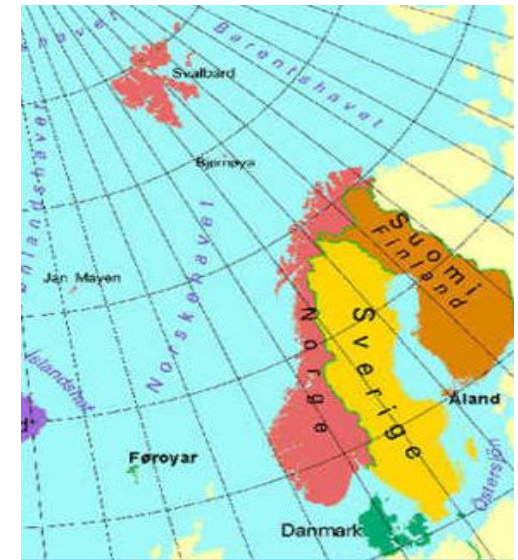
***Finland***

*The country of  
hundreds of thousands of lakes*





***Finland***  
***338 000 m<sup>2</sup>***



*Latitude 60°- 70° N*  
*As Alaska – or Siberia...*







*Some 500 000 summer cottages*



*Four seasons*



# *Design – Architecture – Arts*





# Agenda

- The Finnish Library Network
- National Library as a Service Centre
- Shared Services
- National Infrastructure Services

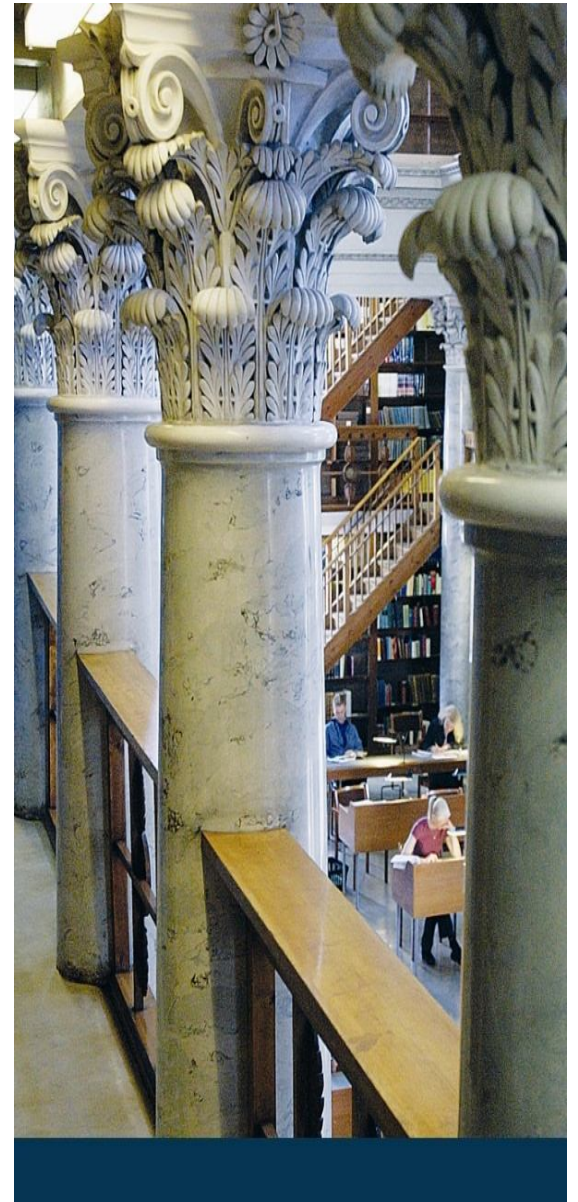
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## Key figures 2011

- The budget 28 m€
  - Ministry of Education 80%
  - University of Helsinki 20%
- The personnel
  - 280 man-years
- The organisation
  - 3 departments
  - 4 locations; 3 main buildings

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# The Finnish Library Network – Organised Structures to Support Cooperation

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## The Library Network

- The network consists of 4 library sectors
  - Universities, polytechnics, special libraries and public libraries
- Each sector has organised its own activities
  - Council + working committee structure
  - Each sector has a chair person and a secretary
- 2 library consortia in the country
  - Linnea – library system
  - FinELib – national licensing and national portal

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# National Library as a Service Centre for the Finnish Libraries

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# Services for the Finnish Libraries by NL

## National Library National Library Network Services

- Administration and financing
- Communication
- Training
- Research library statistics
- Service and customer surveys



*Licensing of e-content*



*National Digital Library*



*Library systems services and  
databases*



*Institutional repositories*

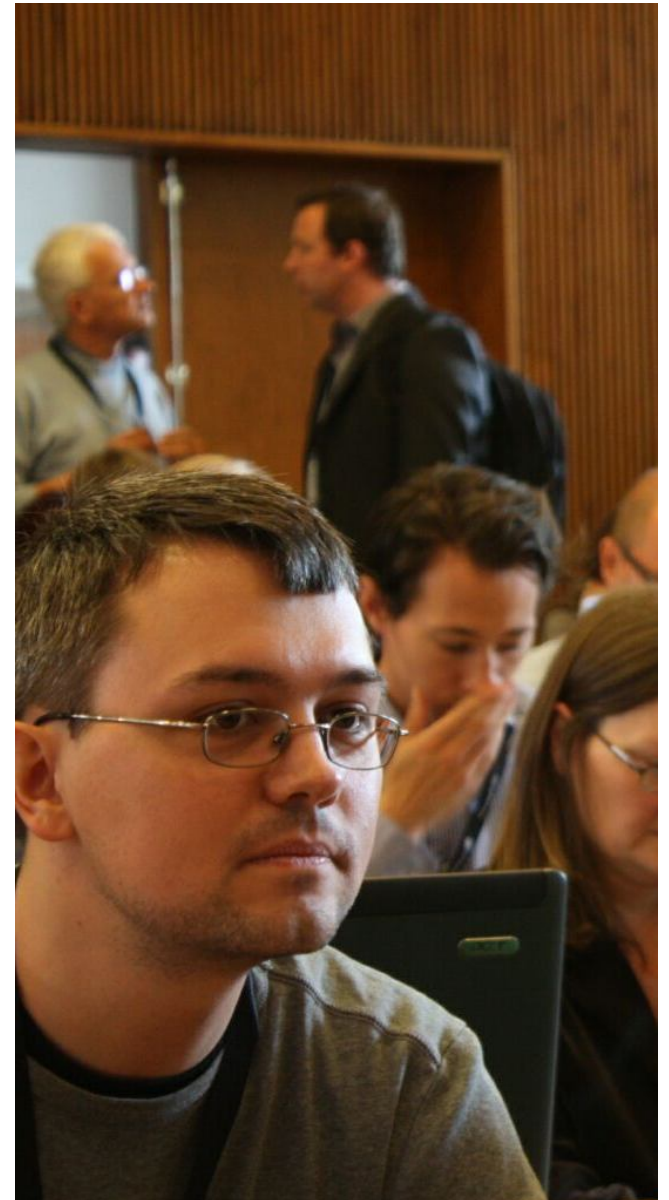


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## FinELib – national licensing of e-content

- Defined as a research infrastructure
- License agreements on Finnish and international electronic material, especially scientific journals
- Members include Finnish universities, polytechnics, public libraries, various research institutes and special libraries (over 100 organisations)

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## Steering of centralised services

- Memorandum of Understanding
- Service contracts: Member – NLF
  - NLF signs on behalf of the members contracts related to the service (eg. license agreements, hardware & software agreements)
- Steering groups
  - Library sectors represented
  - Ministry of Education and Culture represented
  - Rules defined
- Groups of specialists
- Ad hoc groups

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# Shared Services and Infrastructure Development - Basis of Digital Library Development

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# Shared services in Finland

- Metadata
  - Descriptive, structural and administrative/technical
  - Many services
- Software and Hardware
  - Library system
  - National portal
  - National Digital Library
  - Aggregator (Europeana)
  - ERM; statistics
  - Institutional repository
  - In the future: Long term preservation system
- Staff

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## Shared services – what, why?

- **Metadata – National Metadata Repository (National Union Catalogue)**
  - In development for all library sectors
  - Improves work flows, efficiency and quality
  - [Cost savings in description work](#)
- **Metadata - National Digital Library (NDL)**
  - All libraries, museums and archives
  - [Improved end user services](#)
- **Hardware – IT centre for research**
  - One server to run the library system for all universities and polytechnics
  - One server to run the National Digital Library (NDL) Public Interface for all libraries, museums and archives
  - [Huge savings in server costs](#)

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## Shared services – what, why?

- **Software – library system, union catalogue, national portal, NDL public interface**
  - One software, one or several installations
  - Savings in software maintenance
- **Staff – at National Library**
  - Coordination of consortia
  - Coordination of contracts needed in the consortia (hardware, software, licenses, service agreements)
  - Licensing for 100+ organisations centrally
  - Service maintenance and development
- **Collections – National Repository Library (NRL) 20 years**
  - All libraries can deposit collections at NRL
  - Has meant significant savings in collection space

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# Digital Library Infrastructure Development

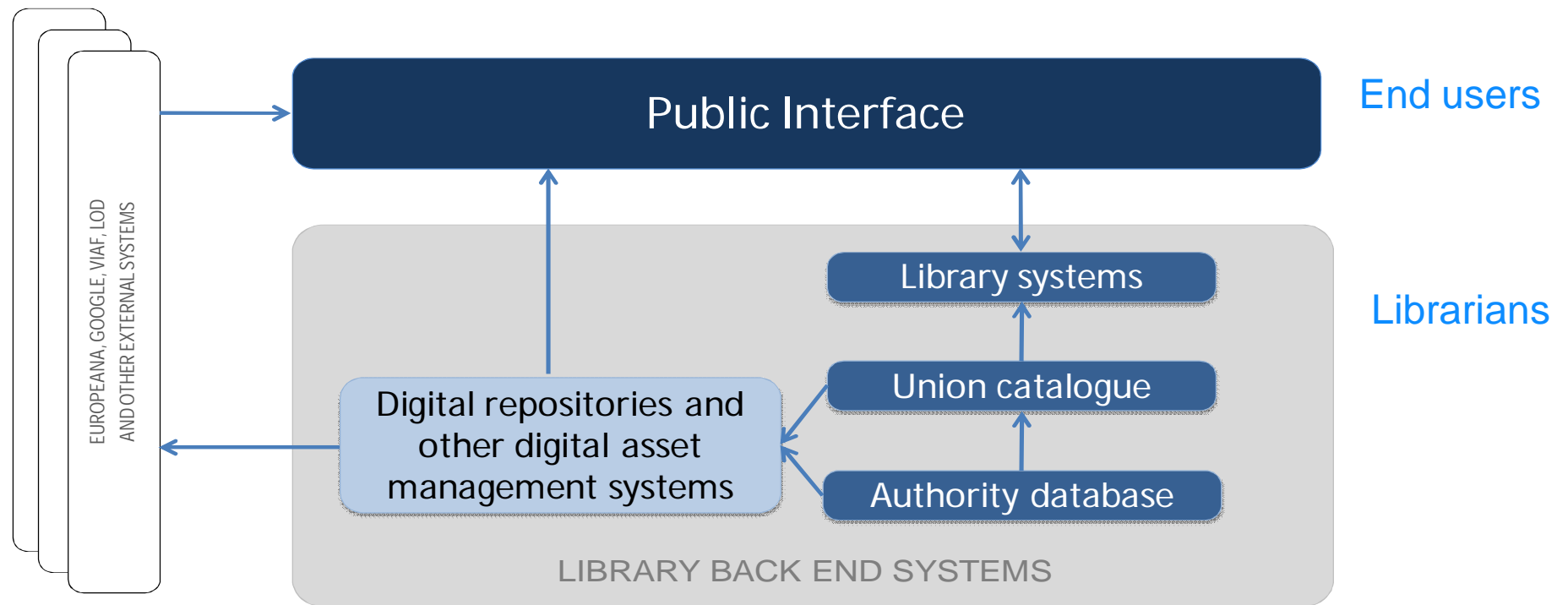
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## Main projects

- National Digital Library (NDL) Public interface
  - Libraries, archives, museums
- National Metadata repository
  - University and polytechnic libraries, public libraries, some special libraries
- New generation library system
  - University and polytechnic libraries, public libraries, some special libraries

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# Backend systems



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# National Digital Library



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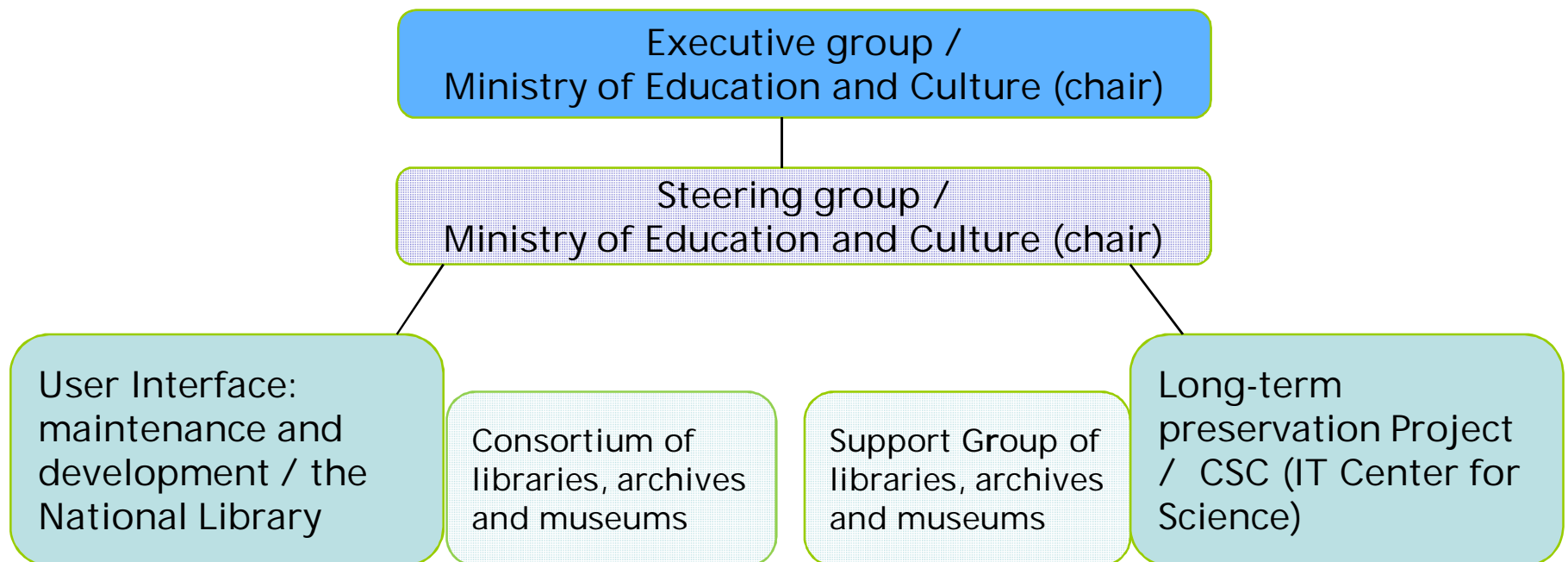
# National Digital Library of Finland

National Digital Library means:

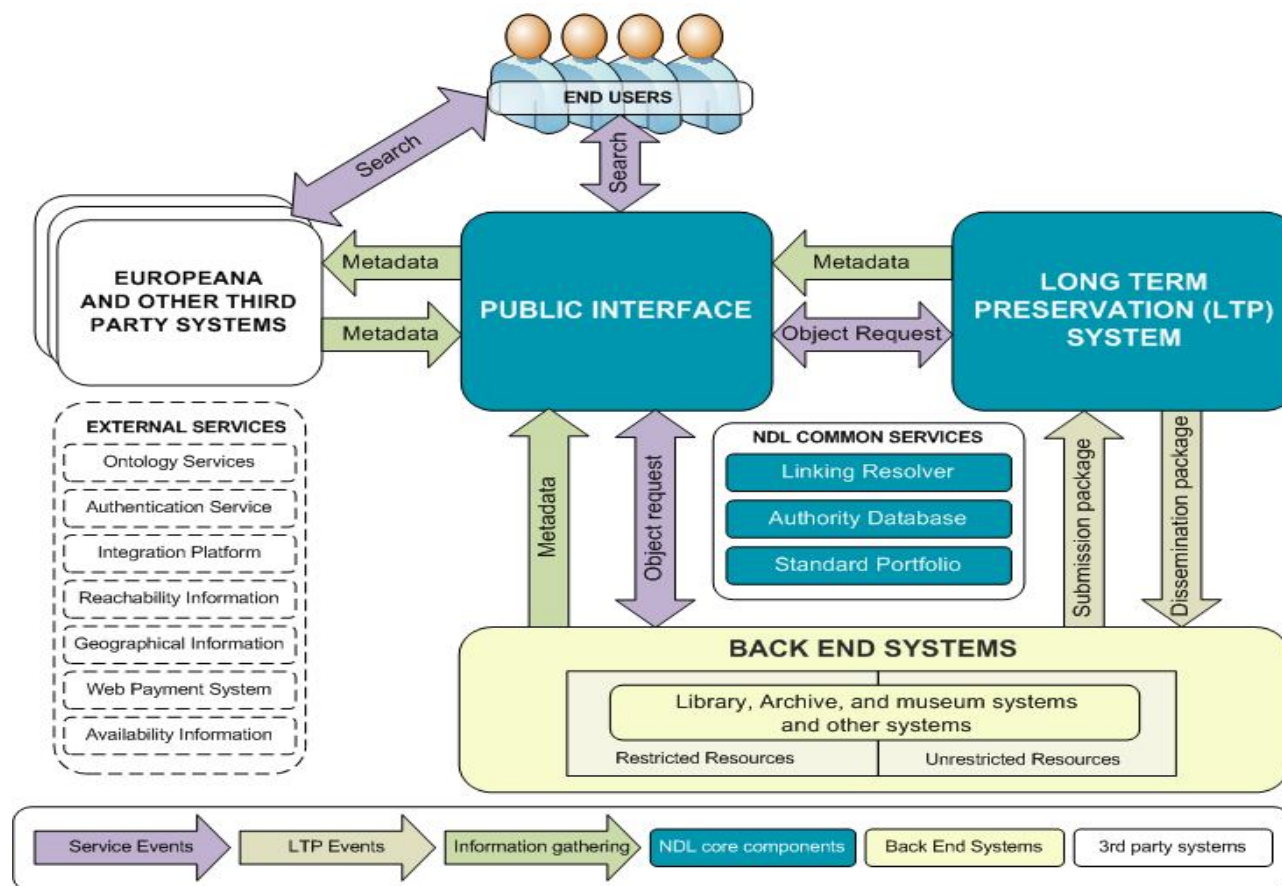
- a **common user interface** for the information resources of libraries, archives and museums (in operation 2012)
- **digitisation** of the most essential cultural heritage materials of libraries, archives and museums
- development of a **long-term preservation solution** for electronic cultural heritage materials (in planning phase)
- increasing competence
- National Digital Library works as an **aggregator** for the European Digital Library **Europeana**.

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## Governance Model of the National Digital Library



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# Importance of NDL

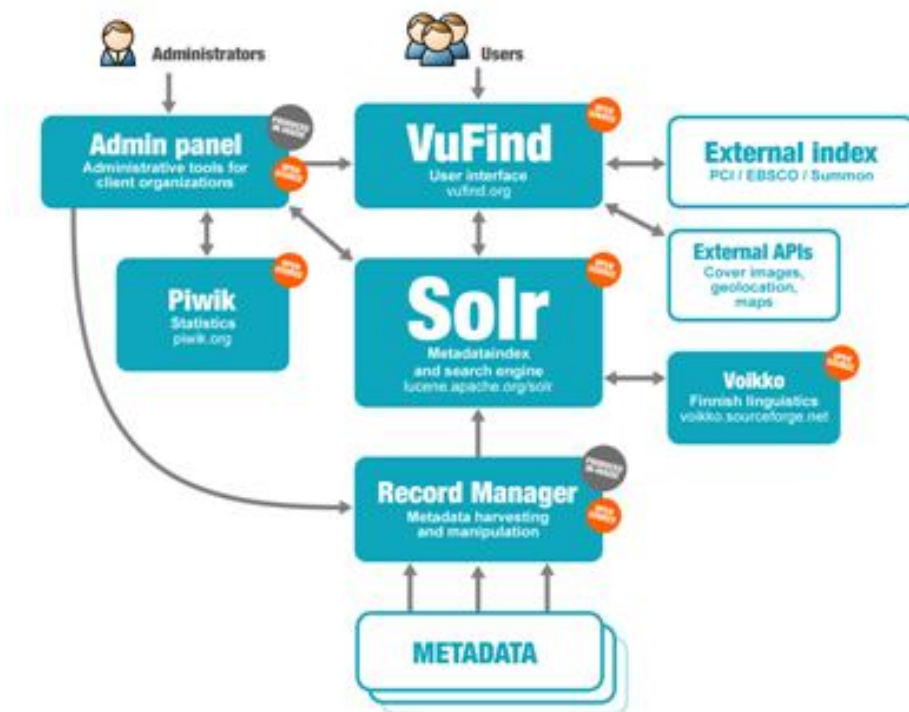
- Mentioned in government programme and several high level government strategies
- Most demanding digital library project in Europe
  - Public interface
  - Digital preservation system
- National aggregator for Europeana
- Covers ca 400 organisations
- National demonstrator project
  - Large network: libraries, archives, museums
  - New ways of collaboration
  - Open source

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# Main Principles Steering the Development of the NDL User Interface

- Development is based on the requirements defined together with libraries, archives and museums
- Organisations will become users of the software in phases
- Development occurs in development circles
- The services are planned together with the customers
- The user interface software is VuFind & additional modules
- National Library is responsible of the development of the software
- IT-centre for Science, CSC, is responsible of the maintenance of the hardware environment

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# Information Management Governance in Public Administration

- Act on Information Management Governance in Public Administration
  - <http://bit.ly/LdSTOh>
- Focus on openness: open access, open APIs, open data, interoperability
- Enterprise architecture a legal obligation for public agencies

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## Focus in 2012–2014

- 2012:
  - Forming the User Interface consortium and collaboration structures
  - Planning of the system and building it, start of production
- 2013: New customers, new functionalities
- 2014: New customers, new functionalities, new partnerships

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## Benefits of the National Digital Library to the society

- improves availability of electronic information resources and services and makes their use easier
- strengthens cooperation across organisational and sectoral borders
- reduces overlapping expenses from digitisation and management, distribution and preservation of electronic material
- improves interoperability, manageability and efficiency of processes
- preserves the potential of cultural heritage material far into the future

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## Key factors behind success

- Central funding for infrastructure services
- Organised structures of library sectors
- Tradition of collaboration especially in library domain
- Systematic development of centralised services
- Customer organisations involved in steering centralised services

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