National Library of Finland – Developing National Infrastructures

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Kristiina Hormia-Poutanen,
Deputy National Librarian
kristiina.hormia(AT)helsinki.fi

Esa-Pekka Keskitalo
Information Systems Manager
esa-pekka.keskitalo(AT)helsinki.fi

Outline

The Finnish Library Network

Digital Library Infrastructures

National Digital Library

Towards Open, Interoperable Public Services

National Library of Finland

- Legal Deposit Library & Research Library
  - Preserves copies of Finnish printed & digital publications
  - Other collections: especially history, art studies, and philosophy
  - Slavonic Library
  - National Archive of Sound Recordings
- Centre of Digitization
- **Services for the Finnish Library Network**
  - IT infrastructures, standardization, collaboration

NATIONAL LIBRARY NETWORK SERVICES

National Library: Key Figures 2011

- Budget: 28 million € per annum
  - Ministry of Education & Culture: 80%
  - University of Helsinki: 20%
- Personnel: circa 280
- Customers:
  - Over 170,000 visits per annum
  - 7 million downloads of digital materials
  - 20 million downloads of licenced materials
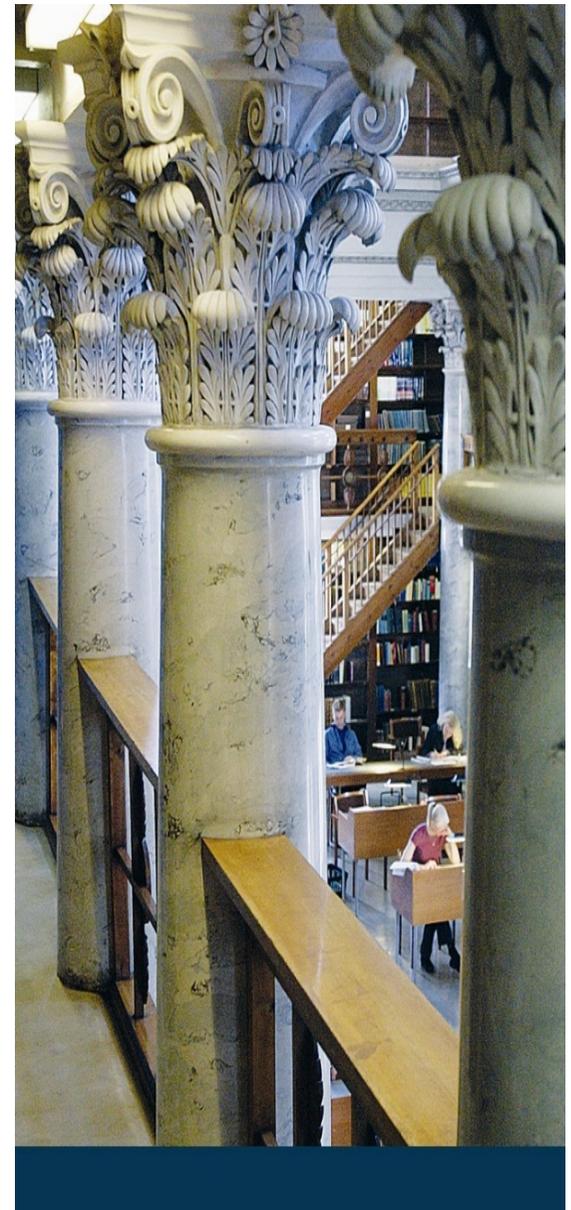
The Finnish Library Network – Organised Structures to Support Cooperation

NATIONAL LIBRARY NETWORK SERVICES

The Library Network

- 4 library sectors
  - public libraries
  - university libraries
  - polytechnic libraries
  - special libraries
  - http://www.nationallibrary.fi/libraries/coordination/librarysectors.html
- Each sector has organized itself
  - Council of library directors,
  - working committee,
  - chairperson & secretary

Library Consortia

- FinELib
  - Nation-wide licencing of electronic resources
  - Search portal Nelli (http://www.nelliportaali.fi)
    - http://www.nationallibrary.fi/libraries/finelib.html
- Universities' library system consortium
- Polytechnics' consortium for library cooperation – including library system

Services for the Finnish Libraries by NL

National Library
National Library Network Services

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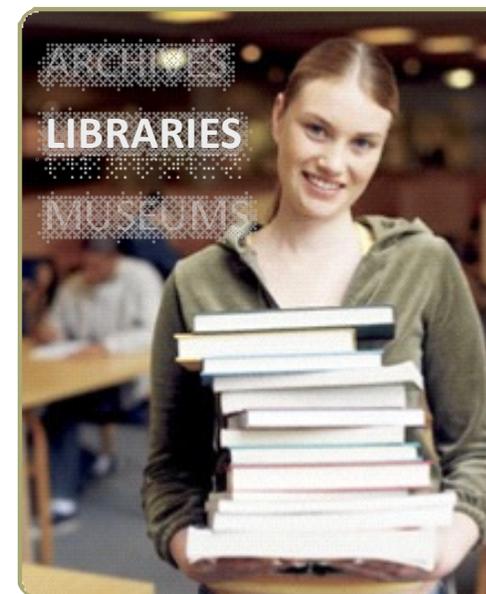- Service and customer surveys

Licensing of e-content

National Digital Library

*Library systems services and databases*

Institutional repositories

ARCHIVES
LIBRARIES
MUSEUMS

FinELib – Licencing of e-content

- A "national research infrastructure"
- Licence agreements on electronic material
  - Finnish and international
  - especially scientific journals
- Over 100 member organizations
  - Finnish universities and polytechnics,
  - public libraries
  - research institutes and special libraries
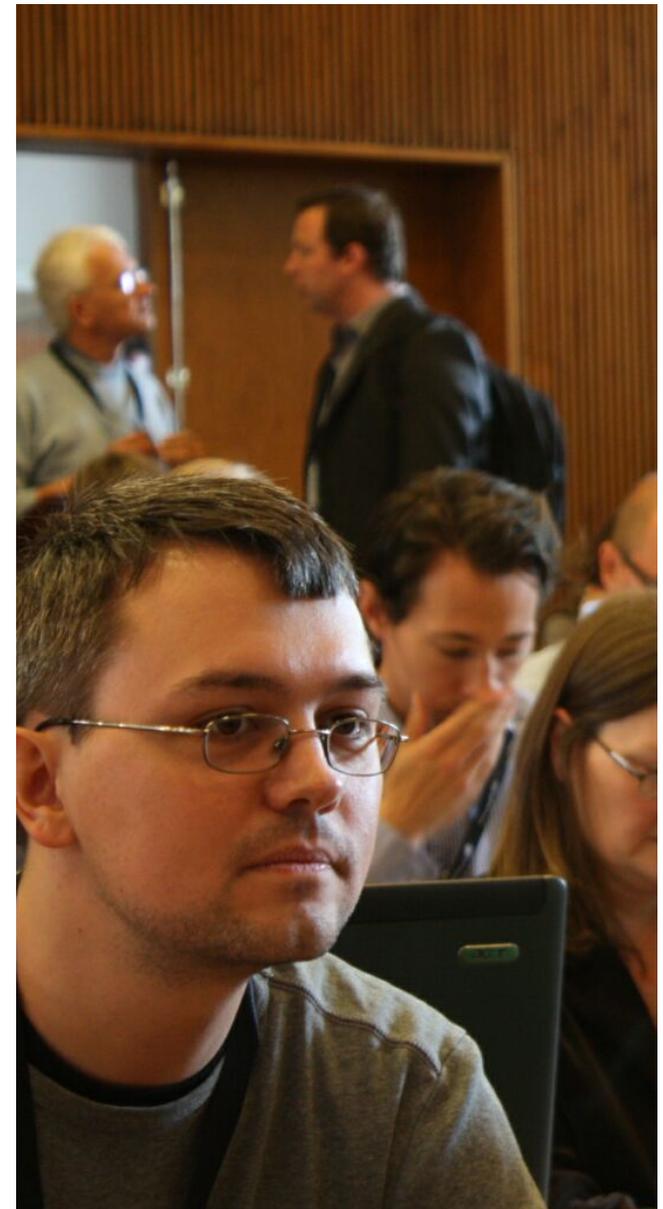
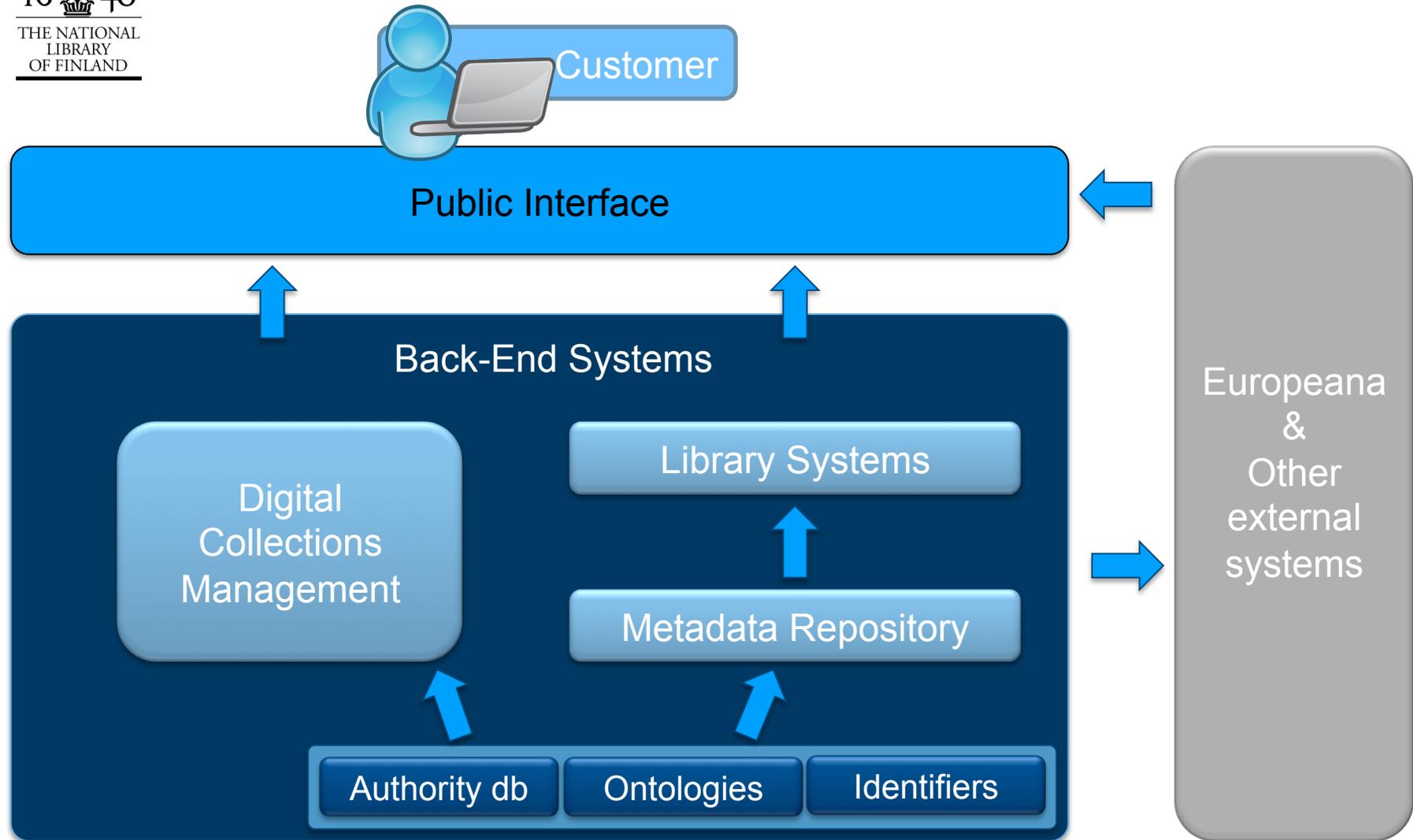# Digital Library Infrastructures

NATIONAL LIBRARY NETWORK SERVICES

Main projects

- National Digital Library (NDL) Public interface

  – For libraries, archives, and museums

- National Metadata repository

  – University and polytechnic libraries, public libraries, some special libraries

- Next generation library system

  – University and polytechnic libraries, public libraries, some special libraries

National Digital Library

The National
Digital
Library

NATIONAL LIBRARY NETWORK SERVICES

National Digital Library

- A **common user interface** for the information resources of libraries, archives and museums (in operation late 2012)

- **digitization** of the most essential cultural heritage materials of libraries, archives and museums

- a **long-term preservation solution** for digital cultural heritage materials

- National Digital Library works as an **aggregator** for the European Digital Library **Europeana**.

- Increasing **awareness, skills,** etc.

NATIONAL LIBRARY NETWORK SERVICES

THE NATIONAL LIBRARY OF FINLAND

The National Digital Library

END USERS

Search

Search

EUROPEANA AND OTHER THIRD PARTY SYSTEMS

Metadata

Metadata

PUBLIC INTERFACE

Metadata

Object Request

LONG TERM PRESERVATION (LTP) SYSTEM

EXTERNAL SERVICES
- Ontology Services
- Authentication Service
- Integration Platform
- Reachability Information
- Geographical Information
- Web Payment System
- Availability Information

Metadata

Object request

NDL COMMON SERVICES
- Linking Resolver
- Authority Database
- Standard Portfolio

Submission package

Dissemination package

BACK END SYSTEMS

Library, Archive, and museum systems and other systems

Restricted Resources   Unrestricted Resources

Service Events   LTP Events   Information gathering   NDL core components   Back End Systems   3rd party systems

NATIONAL LIBRARY NETWORK SERVICES

Importance of the NDL

- Included in the Government Programme government strategies

- Covers circa 400 organisations

- National demonstrator project

  - For a large network: libraries, archives, museums

  - For new ways of collaboration

  - For Open Source development

Principles of the Development of the NDL User Interface

- **Requirements** defined together with libraries, archives and museums

- Implementation in **phases**

- **Iterative approach** - development circles

User Interface Project

- The basis of the user interface software is open-source **VuFind**.

- **Additional modules**; indexing, statistics, Finnish language support, administration module, etc.

- **National Library** is responsible of the development of the software.

- **CSC – IT Centre for Science** is responsible of the maintenance of the hardware.

Benefits of the National Digital Library to the society

- improves **availability** of electronic information resources
- increases **cooperation** across organizational borders
- **reduces overlaps** in digitization, IT systems, etc.
- improves **interoperability, manageability and efficiency**
- helps **preservation** of cultural heritage materials

Towards Open, Interoperable Public Services

Information Management Governance in Public Administration

- Act on Information Management Governance in Public administration
  - http://www.vm.fi/vm/en/04_publications_and_documents/03_documents/20110902ActonI/Tietohallintolaki_englanniksi.pdf

- Focus on **openness**:
  - open access, open APIs, open data, open standards

- **Enterprise architecture** a legal obligation for public agencies

Why libraries have been succesful?

- **Tradition** of collaboration
- **Self-organization** of library sectors
- **Systematic** development of shared services
- **Involvement** of customer organizations in governing bodies
- **Central funding** for shared infrastructures

16 40

THE NATIONAL
LIBRARY
OF FINLAND