National Library of Finland –
Developing National Infrastructures

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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: 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
The Library Network

- 4 library sectors
  - public libraries
  - university libraries
  - polytechnic libraries
  - special libraries

- 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)
- Universities’ library system consortium
- Polytechnics’ consortium for library cooperation – including library system
Services for the Finnish Libraries by NL

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
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
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
Public Interface

Back-End Systems

Customer

Digital Collections Management

Library Systems

Metadata Repository

Authority db

Ontologies

Identifiers

Europeana & Other external systems
National Digital Library
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.
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

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

- Enterprise architecture a legal obligation for public agencies
Why libraries have been successful?

- **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