Finna.fi
Combining the Materials from Finnish Archives, Libraries and Museums

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Themes covered in this presentation

- Background: National Digital Library
- What is Finna about?
- How is Finna done?
  - Technical solutions
  - Collaboration
  - Development
- Finna and Aspects of Openness
National Digital Library

- A project to ensure that electronic materials of Finnish culture and science are
  - managed with a high standard
  - easily accessed
  - securely preserved.

- Finna is the **user interface** of the NDL.

- Funded and managed by the **Ministry of Education and Culture**.

- Collaboration with the **Open Science and Research Initiative**.
What is Finna about?
## Finna in a nutshell

<table>
<thead>
<tr>
<th>Finna.fi</th>
<th>Platform as service</th>
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<tr>
<td>• A service <strong>combining</strong> the materials of archives, libraries and museums.</td>
<td>• Finna offers <strong>tools</strong> to build and maintain library’s, archive’s or museum’s own user interface.</td>
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<td>• The <strong>user interface</strong> of the Finnish <strong>National Digital Library</strong>.</td>
<td>• <strong>Entity of</strong> local Finna user <strong>interfaces</strong>: hkm.finna.fi, luc.finna.fi…</td>
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<td>• <strong>Shared service</strong> funded by the <strong>Ministry of Education and Culture</strong>.</td>
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<td>• Finna 1.0 published in <strong>2013</strong>.</td>
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<td>• The <strong>National Library of Finland</strong> maintains and develops Finna in <strong>co-operation</strong> with archives, libraries, museums and other partners.</td>
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Finna.fi – a national view of Finna

- **+10 million** descriptive metadata entries.
- **+1,3 million** records available online.
- Material provided by **+100** libraries, archives and museums. Number of organizations is expected to grow up to **400**.

**Discovery**
- Single search combines the materials of libraries, archives and museums.

**Delivery**
- Library service functions.
- **Underway:** archive and museum service functions.
The material of Finnish archives, libraries and museums with a single search

For seekers of information and inspiration

There are already 10,689,950 entries at finna.fi
Whose content can you find at finna.fi?

At Finna, you can browse content available on the web, renew loans, order material, and do much more.
What is Finna?
Viittoma: Leipoa - Baka
Hirn, Maria
1907–1910
"...Viittoma: Leipoa - Baka. Mustavaloisessa kuussa viittoo Fritz Hir..."

Mina osan leipoa!
Pérez, Camilla; Flodin Lisa; Drevstam, Charlie; Muurinen, Pirjo
2011
Subjects: "... Loipominen..."

Työkasvatus kotona ja päiväkodissa : "onneksi isovanhemmilla on aikaa leipoa ja tehđä ruokaa yhdessä lasten kanssa"
Pitkälä, Mariaana
2009

Available Online:
http://www.cou.fi/opinnavatietoi/uulkaisut/Pitkala_Mariaana.pdf
Entity of Finna interfaces

- 30 organizations have published their local Finna user interfaces.
How is Finna done?
Shared service

- **Interoperability** is vital for shared services.

- **Shared index**: Diverse metadata is harvested into Finna index from multiple sources.

- **Normalization** of metadata
  - Metadata is indexed as it is but normalized for search and displaying records at the user interface.
  - Makes it possible to have common search index fields, filters and facets.
  - Requires **continuous collaboration** between National Library and archives, libraries and museums participating in Finna.
FINNA INDEX

20 MILLION ENTRIES (6/2016)
NORMALIZED AND UNIFIED METADATA

ADMIN INTERFACE
Tools for tailoring organisation's own Finna user interface

USER INTERFACE

RECORD MANAGER
Harvesting, deduplication, Solr index update

LIBRARY SYSTEMS

INSTITUTIONAL REPOSITORIES

ARCHIVE SYSTEMS

MUSEUM SYSTEMS

SEARCH ENGINE VISIBILITY

API.FINNA.FI
Co-operation model

- Co-operation in many ways and at different levels
  - Libraries, archives and museums participating in Finna form a consortium.
  - Organizations have their representatives in the steering group of Finna and the chair is one of the representatives.
  - Current issues and common challenges discussed also in various working groups, workshops, seminars and meetings.

- Means of communication support collaboration
  - Finna-wiki
  - Online discussion forum.
Development of Finna

- List of targets (roadmap) for development each year.

- Far reaching decisions done together with organizations participating in Finna (consortium).

- **Agile** development
  - 3 weeks sprints, new version published in the end of each sprint.

- Strong focus on end users and **usability design**
  - usability studies and tests.
Finna and Aspects of Openness
Aspects of openness

- Access
- (Re)use

- Open source code
  - [https://github.com/NatLibFi/](https://github.com/NatLibFi/)

- Open metadata

- Open content
api.finna.fi

- Provides descriptive metadata of over 9 Million entries from Finna.fi.
  - Both normalized and original metadata.
  - JSON/JSONP Format
  - Supports Finna.fi search functions.

- License of metadata: CC0.

- API makes it possible to reuse
  the metadata of Finna.fi
  the content of Finna.fi as linked resources if the content is under open licences.
Open content

- The search in Finna.fi can be targeted to objects (images) according their permitted (re)use - such as those available for commercial use.
- + 300 000 images under CC-licences.
Examples of reuse: Finto-integration
Examples of reuse: digital learning environments
More examples and visions for years to come

- Crowdsearching apps for images
  - [http://sift.pics/](http://sift.pics/)
  - [http://ajapaik.ee/](http://ajapaik.ee/)

- **Hack4fi** and **Helsinki Digital Humanities Hackathon** produced even more examples of reuse.

- Visions - what could be done
  - if even more of the content of archives, libraries and museums would be under **open licences**?
  - with **linked open data**?
Thank you!

Questions, comments?

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