European and National Level Policies Supporting the Digital Shift in Cultural Heritage

Kristiina Hormia-Poutanen, National Library of Finland
Adviser of LIBER, Member of OSPP, DCHE, and DORA Advisory Board
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Agenda

- The National Digital Library (NDL) in Finland 2008–2017
  - European Council Conclusions
  - NDL in a nutshell
  - Main outcomes based on external evaluation of NDL
- Our Digital Cultural Heritage 2018–
- Finna
  - What is Finna?
- Digital Cultural Heritage Expert Group (DCHE)
  - Europeana
- OSPP & DCHE
- Libraries and Digital Cultural Heritage
- Conclusions
The National Digital Library (NDL) 2008–2017
European Council Conclusions

- European Council Conclusions on the Digitisation and Online Accessibility of Cultural Material and Digital Preservation (2006/C 297/01)

- Focus on:
  - Digitisation and online accessibility of cultural materials and digital preservation
  - Development of national strategies
  - Development of European Digital Library
  - National and international collaboration
European Council Conclusions

- Creation of Europeana
  - European Digital Library Foundation 2007
  - Europeana prototype 2008, “Europe's cultural heritage at the click of a mouse”
  - EC support via eContent+ programme and the 7th Framework Programme for Research and Technological Development
  - Close collaboration with Member States
  - Digital Agenda for Europe 2011–

- Promote:
  - Incorporation of digital cultural heritage materials into Europeana
  - Interoperability standards
  - Setting-up or improvement of portals incorporating national content

- Raise awareness of Europeana among cultural institutions across Europe
“NDL has been the biggest cooperation project between libraries, archives and museums in Finland”

The NDL project developed
- Availability and **usability** of digital cultural heritage materials
- **Preservation of** digital cultural heritage materials
- **Digitisation of** digital cultural heritage materials
- **Collaboration between** libraries, archives, and museums
National Digital Library 2008–2017

- External evaluation of NDL 2014–2017
  - Results overall positive – the project managed to achieve its goals well
  - Finna in particular was very successful
  - Digital preservation services achieved its goals well
- National Digital Library (NDL) grew to become a major repository and service entity, operating model, and centre for expertise
- In addition to the development of the two services, main outcome is an improved and continuing collaboration between libraries, archives, and museums
OUTCOMES 2008–2017

Kulttuuripoliitikan strategia 2020 (2009)

Osaava ja luova Suomi (2010)

OKM:n strategia 2020 (2010)

Kulttuuriympäristöstrategian toimeenpanosuunnitelma (2014–2020)

OKM Älystrategia (2013)


Suomen tutkimusinfrastruktuurien tiekartta (2014–2020)


Tuottava ja uudistuva Suomi (2011)


Kokonaisarkkitehtuuri V III (2016)

Kokonaisarkkitehtuuri V II (2012)

Kokonaisarkkitehtuuri V I (2010)

KDK-hanketta ohjaavat strategiat ja linjaukset

KDK-hanke

2008

KDK-hankkeen I vaihe
(2008–2011)

Vaatimusmäärittelyt (2008)

Pitkääikais-säilyttämisens
kehittämishanke (2008–2009)

Europeanan portaan
julkaiseminen (2008)

2009

KDK-hankkeen II vaihe
(2011–2013)

Primo ja Finnan
pilotointi (2010)

PASin etenemis-
suunnitelma (2010)

PASin kustannus- ja
hyötyanalyysi (2010)

2010

KDK-hankkeen III vaihe
(2014–2017)

Finnan toteutus avoimen
lähdekoodin ohjelmistolla (2012)

PASin toteuttamis-
suunnitelma (2012)

PAS-paketoinnin
pilotit (2012)

2011

Sisäisiä palveluarkkitehtuurin
kärkeen (2014)

Finnan käyttöönotto (2013)

KDK:n PAS-kustannusanalyysi
(2013)

2012

Kansallinen palveluarkkitehtuuri (2014–2017)

Kulttuuriympäristöstrategian
toimeenpanosuunnitelma
(2014–2020)

58 näkymää

2013

5 tallentavia
organisaatioita, 110
teratavua ja
noin miljoona
pakettia aineistoa (2017)

Yli 958 000 suomalaista
aineistopakettia
Europeanassa (2017)

2014

Pitkääikaissäilytyksen
aloitus (2015)

Kulttuuriympäristöstrategian
toimeenpanosuunnitelma
(2014–2020)

2015

Finna-strategia

Pitkääikais- säilyttämisens
kehittämishanke (2016)

58 näkymää
tuotannossa, 7.4 M
kävijää (2016)

2016

Finna- strategia
(2014–2017)

Kokonaisarkkitehtuuri V III
(2016)

Kokonaisarkkitehtuuri V II
(2012)

Kokonaisarkkitehtuuri V I
(2010)

2017

KDK-hankkeen ulkoinen
arviointi (2017)

KDK-hankkeen
ulkomainen
arviointi
(2017)

Aineistoa Europeaan Formulan kautta (2012–)

Ensissijaisesti sähköisesti
atarjottavien
palvelujen tiekartta
2017–2021 (2016)

Kulttuuriympäristöstrategian
toimeenpanosuunnitelma
(2014–2020)
Our Digital Cultural Heritage 2018–

- Goals of the digital cultural heritage initiative is to:
  - maintain services that help improve the availability and digital preservation of information resources
  - promote collaboration between archives, libraries, and museums and enhance their expertise
  - improve interoperability between different information and data systems.

- Finnish Ministry of Education and Culture is responsible for policies related to the initiative

- National Library of Finland (NLF) is responsible for communication and promotion of the initiative

Finna in a nutshell

- Originally started as a **user interface** of the **National Digital Library**
- Key infrastructure for culture and research
- National service for Finnish archives, libraries, and museums
- Funded by the Ministry of Education and Culture
- Maintained and developed by the NLF
- NLF also develops other national infrastructures, such as metadata development, national ontologies (finto.fi), AI solutions, library systems, and national licensing of scholarly content
## Two sides of Finna

<table>
<thead>
<tr>
<th>1. Finna.fi service</th>
<th>2. Entity of Finna interfaces</th>
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<tr>
<td>▪ A service <strong>combining</strong> the materials of all participating archives, libraries, and museums</td>
<td>▪ <strong>Platform As A Service:</strong> Finna offers tools to build and maintain libraries’, archives’ or museums’ own user interfaces</td>
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<tr>
<td>▪ ”National view” of cultural heritage materials”</td>
<td>▪ Finna supports self-service functions</td>
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<td>▪ Resembles Europeana</td>
<td>▪ Entity of local Finna views</td>
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- Descriptive metadata of over **15 million** objects
- Ca. **2 million** objects available **online**
- Material provided by ca. **350** libraries, archives, and museums
Entity of Individual Finna interfaces

Over 80 User interfaces

Finna user interfaces: Millions of Visits per year

Actual Prediction

THE NATIONAL LIBRARY OF FINLAND
Work methods
– user-centred design & collaboration

- NLF works together with libraries, archives, and museums to improve user experience
- User-centred design
  - Usability tests and user studies
  - Next step: more usability workshops and tests to support everyday development
- Finna steering group – far-reaching decisions and strategies
- Internet forum, service desk, wiki, meetings – listening to and collaborating with archives, museums, and libraries
- Development is openly documented in real time
Digital Cultural Heritage Expert Group (DCHE)

Photograph: Väinö Kannisto 1958, Helsinki City Museum
www.finna.fi/Record/hkm.HKMS000005%3Akm0000m4nm
Expert Group on Digital Cultural Heritage and Europeana (DCHE)

- **Assists** the European Commission in the implementation of existing EU legislation, programmes, and policies
- **Coordinates** with Member States, exchanges views and opinions
- **Gives guidance** to Europeana
  - General objectives
  - Priorities for actions
  - Envisaged a level of funding to be proposed for the Europeana core service platform and general services in the annual Connecting Europe Facility (CEF) work programmes
About DCHE

- A forum for cooperation between Member States’ bodies and the European Commission in the subject area
  - digitisation, online accessibility of cultural material, and digital preservation
- Also gives guidance on Europeana’s annual work programmes under the Connecting Europe Facility (CEF).
- A sub-group on Europeana of the DCHE Expert Group has been established
  - 12 members
  - Advice given on general objectives, governance, strategic priorities, evolution, and sustainability
  - Europeana strategy
About Europeana

- **Europe’s digital platform for cultural heritage**, funded by the Connecting Europe Facility (CEF)
  - Brings Europe’s digitised cultural heritage material available online
  - Promotes cross-border visibility and use of digital resources across Europe
  - Offers solutions for the trans-European interoperability and accessibility of digital resources
  - Improves the conditions for reuse
  - Facilitates utilisation of digital cultural content and metadata in other sectors, e.g. research, education, tourism, and the creative industries
Open Science Policy Platform
**Open Science Policy Platform (OSPP), M2**

- **Advices** the Commission on open science policy
- **Practically implements** the European Open Science Policy Agenda
- **Improves** the quality and impact of European science across member states and internationally
- **Identifies** related stakeholder groups
- **OSPP consists of 25 high-level representatives of European Open Science stakeholders**

Photos: © European Union, 2016
OSPP stakeholders

- Universities
  - European University Association (EUA), LERU
- Research organisations
  - EARTO, EU-Life: EMBO, Living Labs
- Scientific societies
  - European Physical Society, EUCHEMS
- Research funding organisations
  - Science Europe
- Citizen Science organisations
- Publishers
  - STM Publishers, OASPA
- Open Science Platforms
  - RDA, GEANT, OpenAIRE, EGI, Business Europe
- Libraries
  - LIBER

Photo: © European Communities, 2009
OSPP priorities

- FAIR Open Data
- The European Open Science Cloud
- Altmetrics – **Next Generation Metrics**
- New business models for scholarly communication
- Rewards
- Research integrity
- Open Science skills
- Citizen Science

HLEG reports:
- [Prompting an EOSC in practice](#)
- [Turning FAIR into reality](#)
- Rewards & indicators
- Citizen Science

OSPP advice is based on HLEG reports

[OSPP-REC: Open Science Policy Platform Recommendations](#)
DCHE and OSPP

Photograph: Väinö Kannisto 1958, Helsinki City Museum
www.finna.fi/Record/hkm.HKMS000005%3Akm0000m4nm
DCHE and OSPP

- High Level Expert Groups nominated by the EC focusing on
  - Digital Cultural Heritage
  - Open Science
- Work of these groups is supported by expert groups representing different stakeholders
- Mandate:
  - advice in policy making
  - involve stakeholders
  - outreach
- Infrastructures developed, e.g.
  - Europeana
  - European Open Science Cloud, EOSC
DCHE and OSPP

- **Promote:**
  - Development of shared infrastructures
  - Use of standards
  - Interoperability, including semantic interoperability
  - FAIR data
  - Citizen Science

- **Advance:**
  - Skills development
  - Raising awareness
  - Advocacy (legal, impact)

- DCHE and OSPP foster the digital development
- More collaboration between Cultural Heritage and Open Science initiatives needed
LIBER – The Network of European Research Libraries
Europe’s largest library network

- Founded in 1971
- Ca. 440 libraries in over 40 countries
- 28% in Southern and Eastern Europe, expanding
- 3 libraries in Latvia
  - The National Library

More information: https://libereurope.eu/
- **Open Access** as the main form of publishing
- **FAIR** Research Data
- **Transparent research life cycle**, reinforced by digital skills
- **Research infrastructures** that are collaborative and tailored to the needs of different disciplines
- **Digital information** that supports tomorrow’s cultural heritage

**OPEN SCIENCE ROADMAP**
How we support our libraries

**Training:** Annual Conference, leadership courses, workshops (DH), webinars.

**Guiding:** Best practices and other resources to help libraries improve and innovate.

**Advocating:** Speaking up globally for research libraries.
- Open Science
- TDM

**Networking:** Bringing professionals together.
All stakeholders have to be active in improving access to Digital Cultural Heritage materials and make Open Science happen - it is all about collaboration!
Thank you!

kristiina.hormia@helsinki.fi

@HormiaKristiina

www.nationallibrary.fi