The National Digital Library *Finna* Among Digital Research Infrastructures in Finland

Heli Kautonen

Head of Services, The National Library of Finland

2 March, 2013

Seminar: *Epics, Digital Cultural Heritage and Vernacular Languages. Corpora and Databases in Oral Tradition Research.* Helsinki, Finland.

THE NATIONAL LIBRARY OF FINLAND

Shared Services and Digital Research Infrastructure Development

NATIONAL LIBRARY NETWORK SERVICES

National Library of Finland as Service Centre

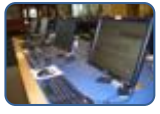
National Library

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

THE NATIONAL LIBRARY OF FINLAND

Digital library infrastructure development – what

- Acquisition of electronic publications
  - Mainly libraries, some archives and other organizations
  - Feasible business model for eBooks
- National Digital Library public interface, Finna
  - Libraries, archives, museums
- National bibliographic metadata repository (i.e. union catalogue), Melinda
  - University and polytechnic libraries, public libraries, some special libraries
- New generation library system
  - University and polytechnic libraries, public libraries, some special libraries
- Maintenance of national ontology server, ONKI

THE NATIONAL LIBRARY OF FINLAND

Digital library infrastructure development – why

- Economic efficiency
  - Savings in planning, implementation, and maintenance
- Improved division of labour
- Increased know-how and shared expertise
- Improved services for the end-user

THE NATIONAL LIBRARY OF FINLAND

Key factors behind success

- Central funding for infrastructure services
- Organised governance structures
- Tradition of collaboration especially in library domain
- Open development of centralised services
- Organisations and their customers involved in development of centralised services

16 40
THE NATIONAL
LIBRARY
OF FINLAND

THE NATIONAL LIBRARY OF FINLAND

The National Digital Library

National Digital Library, Finna

NATIONAL LIBRARY NETWORK SERVICES

1640
THE NATIONAL LIBRARY OF FINLAND

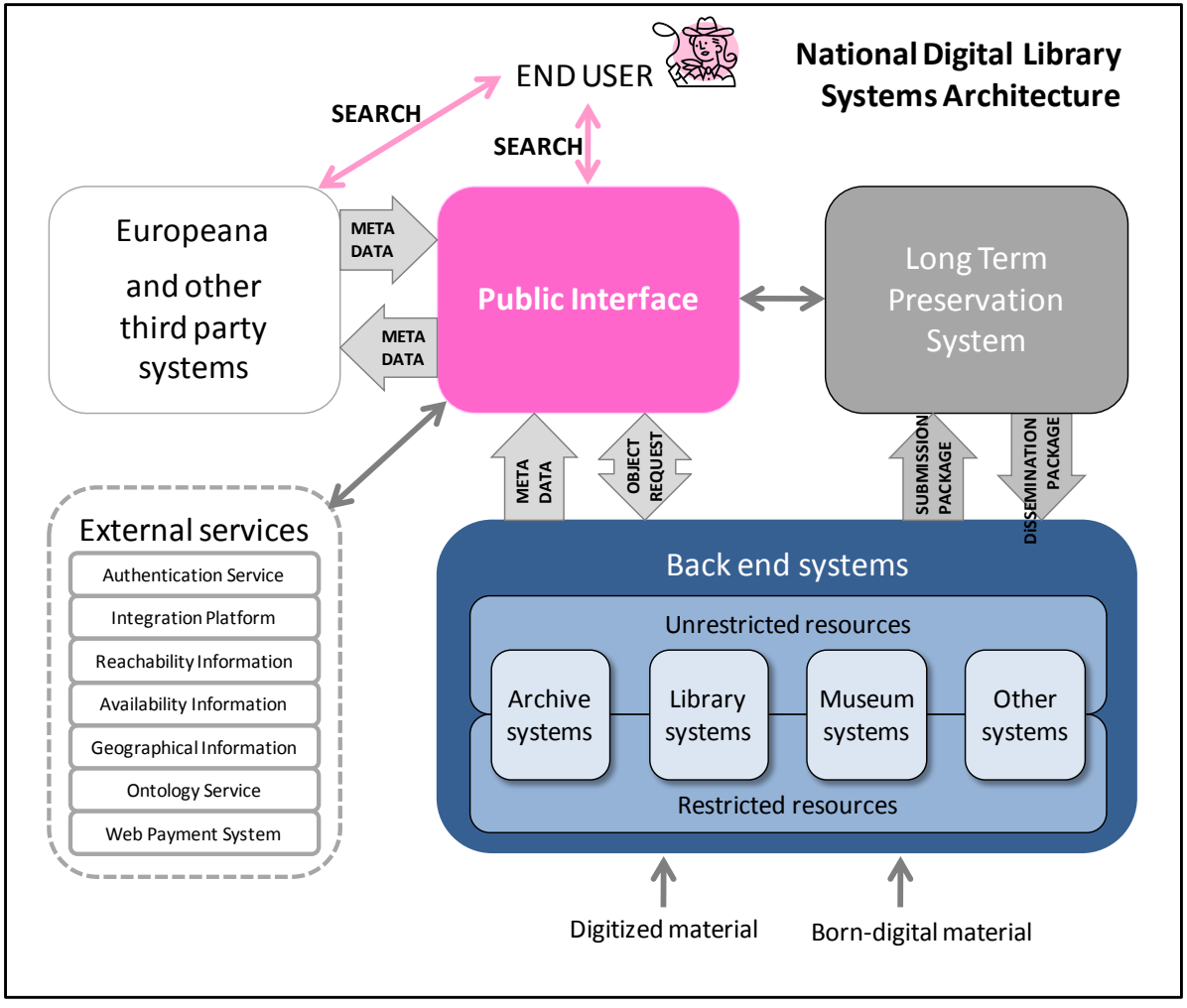
National Digital Library of Finland

- Funding: Finnish Ministry of Education and Culture
- Objectives
  - a **common user interface** for the resources of libraries, archives and museums
  - **digitisation** of the most essential cultural heritage collections
  - development of a **long-term preservation** solution for electronic cultural heritage resources
  - increasing competence
  - National Digital Library as an aggregator for the European Digital Library **Europeana**

1640
THE NATIONAL LIBRARY OF FINLAND

Finna – The Public Interface of the National Digital Library of Finland

- National infrastructure for ALM (Archives, Libraries, Museums) resource retrieval services
- Access to all Finnish ALM resources via single user interface
- One user interface, several end user views
- All foreseeable resources


National Digital Library
Systems Architecture
END USER
SEARCH
SEARCH
Europeana
and other
third party
systems
META DATA
META DATA
Public Interface
Long Term
Preservation
System
META DATA
OBJECT REQUEST
SUBMISSION PACKAGE
DISSEMINATION PACKAGE
External services
Authentication Service
Integration Platform
Reachability Information
Availability Information
Geographical Information
Ontology Service
Web Payment System
Back end systems
Unrestricted resources
Archive systems
Library systems
Museum systems
Other systems
Restricted resources
Digitized material
Born-digital material

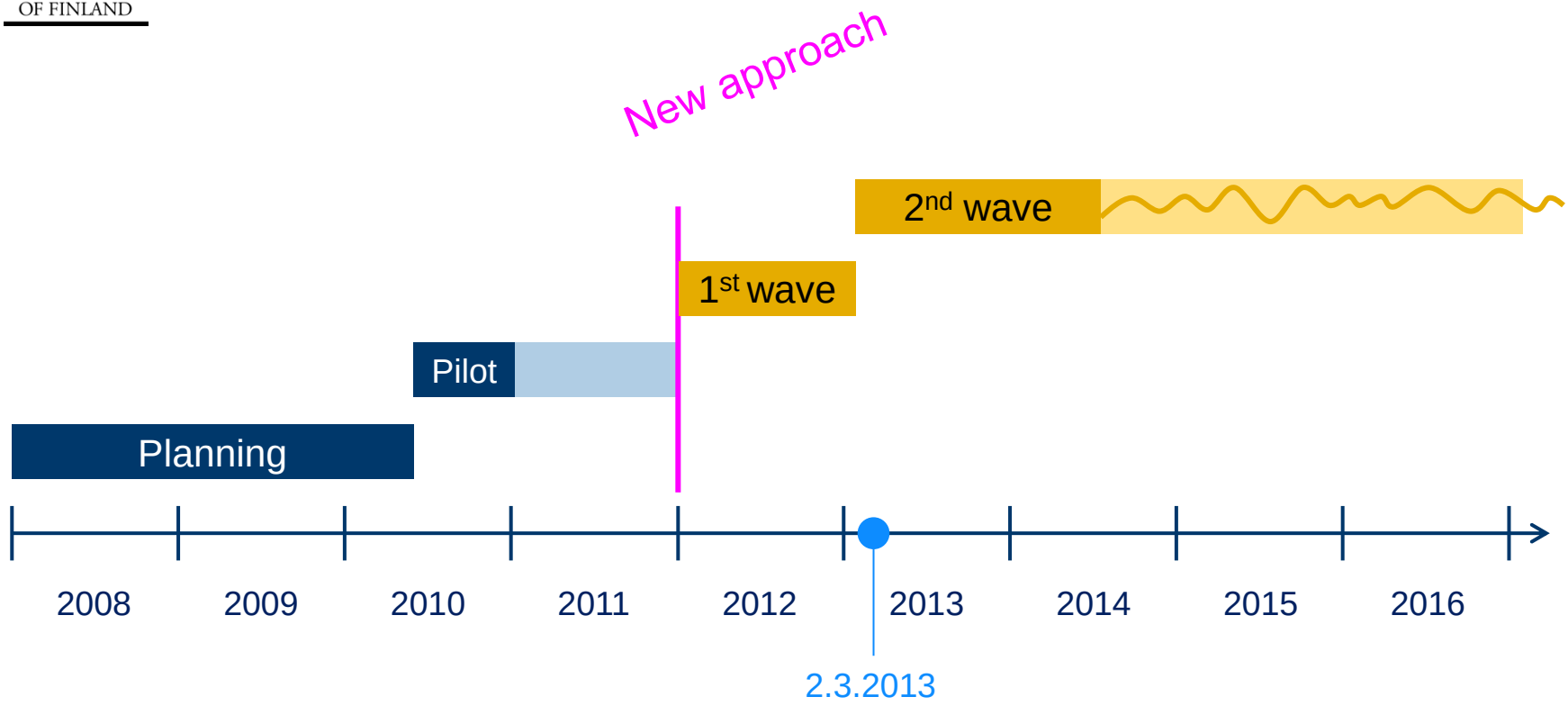
THE NATIONAL LIBRARY OF FINLAND

Status: Open Development

2008–2009	Organization and planning
2010–2011	Piloting with Ex Libris Primo
2012	New approach:

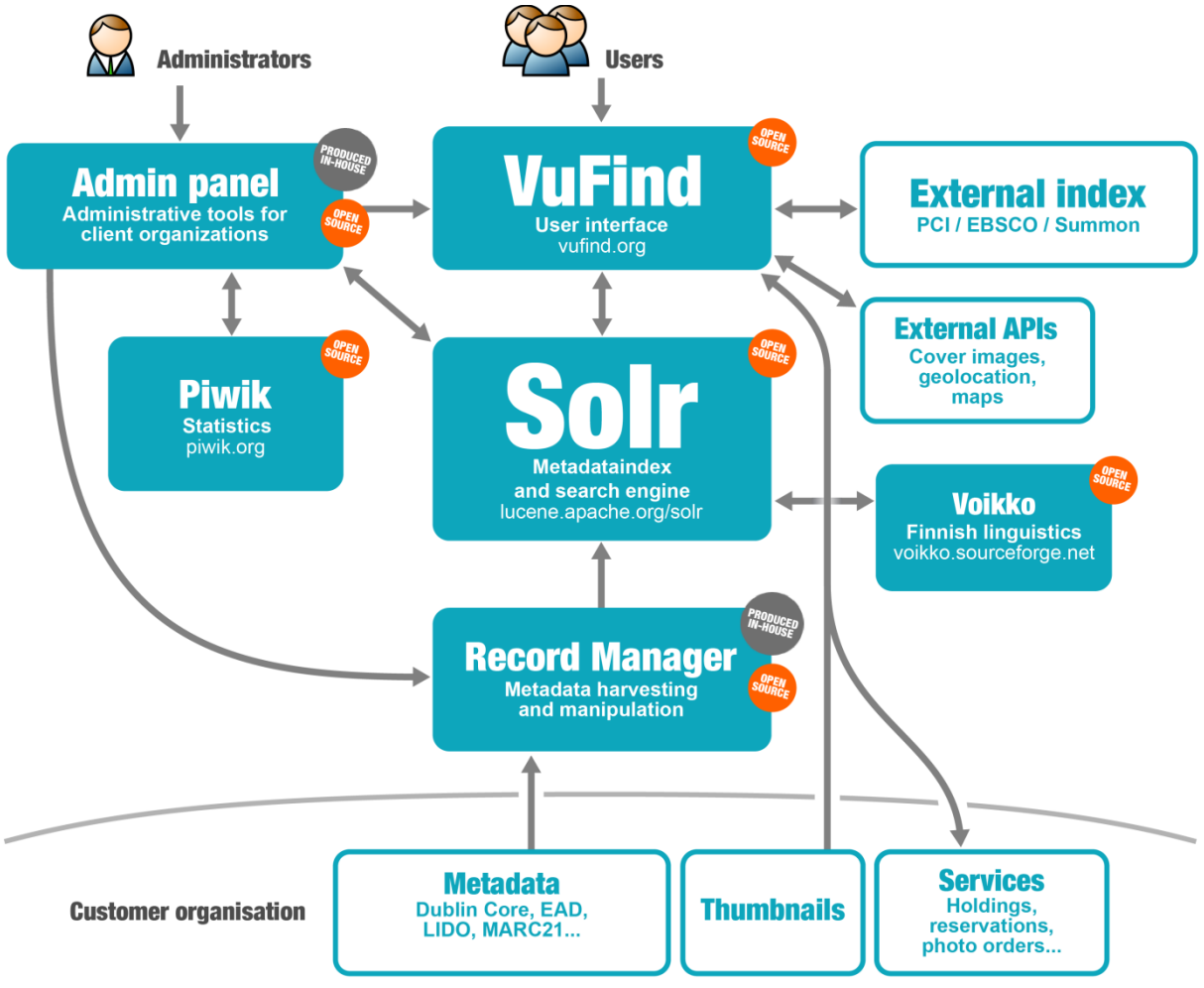
- Open source software
- Iterative and agile development
- Wider and deeper co-operation with the community

2013	**First organizations in production,** over 50 on hold
By 2016	Mature service


New approach
2nd wave
1st wave
Pilot
Planning
2008
2009
2010
2011
2012
2013
2014
2015
2016
2.3.2013

THE NATIONAL LIBRARY OF FINLAND

Functional Architecture of the Finna Service



THE NATIONAL LIBRARY OF FINLAND

The National Digital Library

kdk.fi/en
finna.fi

heli.kautonen@helsinki.fi

FINNA