

# The National Library of Finland

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Development Manager

TMO General Assembly, November 23 2020



THE NATIONAL LIBRARY OF FINLAND



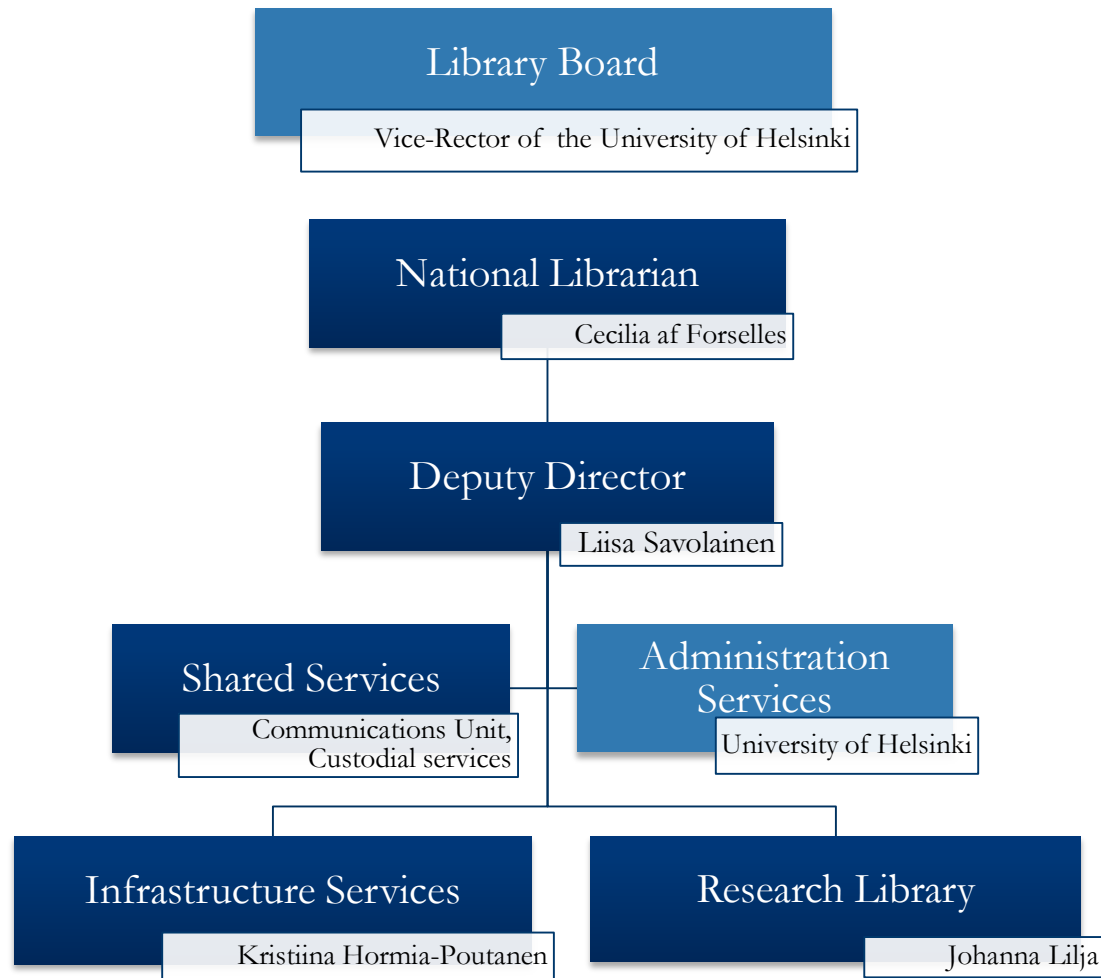
# What is the National Library of Finland?

# Finland's largest and oldest research library

- We are responsible for the accumulation, description, preservation, and **availability** of the **national published heritage**.
- We function as the guiding force for the **entire library sector** and work closely with museums, galleries and archives.
- Our unique collections are available for all.



# Organization

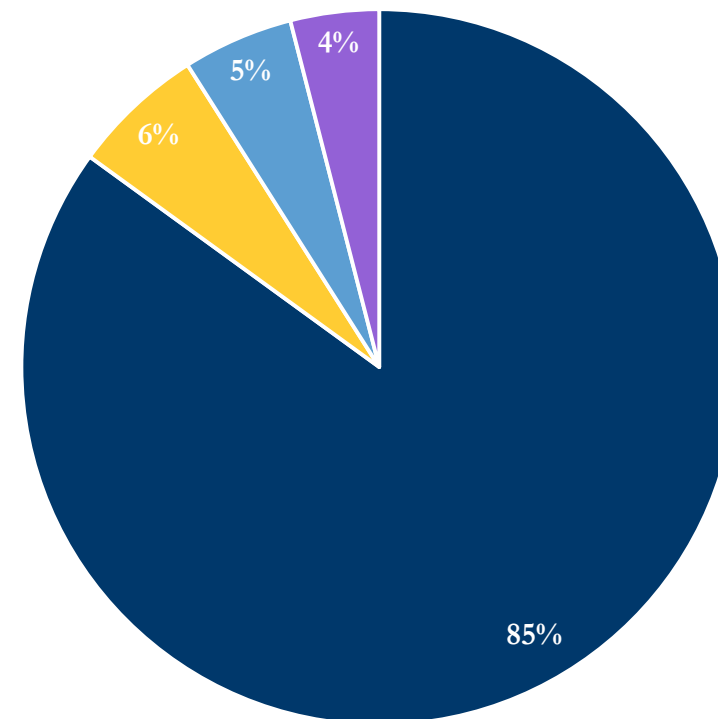


# Governance and finance

- **Main stakeholders** Ministry of Education and Culture and Helsinki University
- Independent institute of Helsinki University
- Agreement about strategy and targets **every 4th year**
- Reporting both to the Ministry and the University
- National Librarian is appointed by the Rector of the University

<b>Total Financing 2018</b>	<b>23,4 M €</b>
<b>Expenses</b>	<b>24,3 M€</b>
Staff	10,8 M€
Premises (including cleaning, electricity etc)	5,8 M €
E-licencing	3,2 M€
Services	1,7 M€

- Ministry of Education and Culture
- Helsinki University
- Others
- Business Income

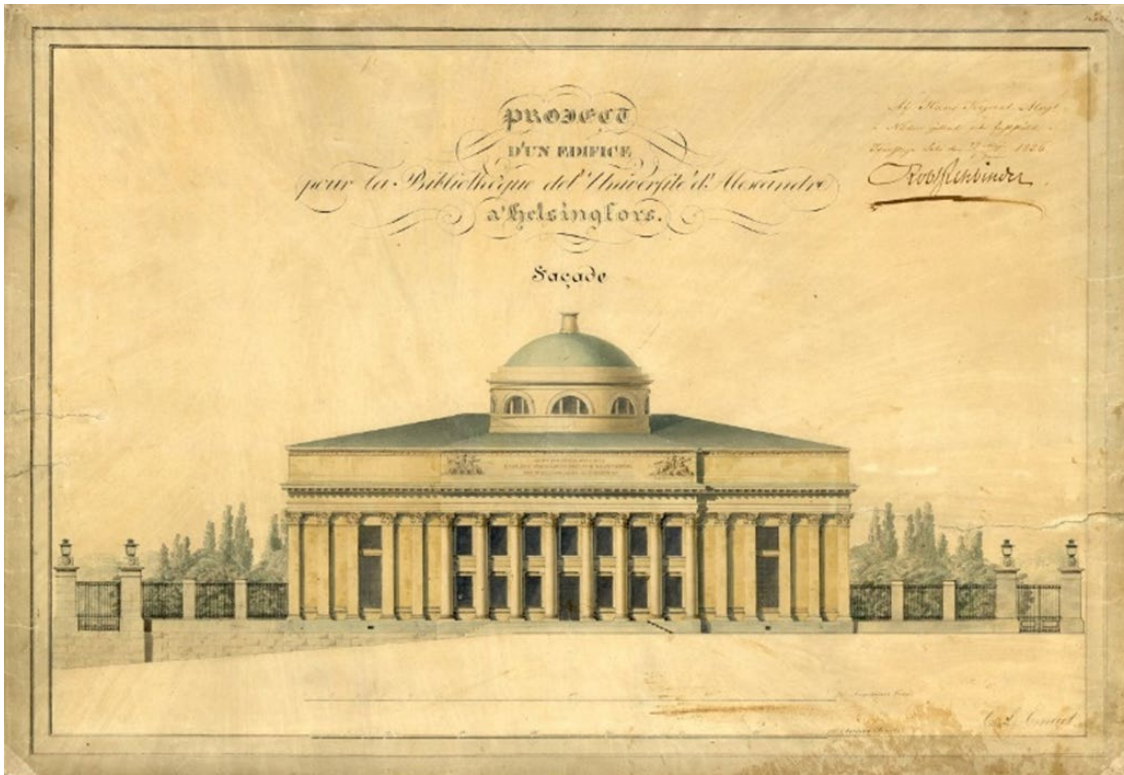




# History



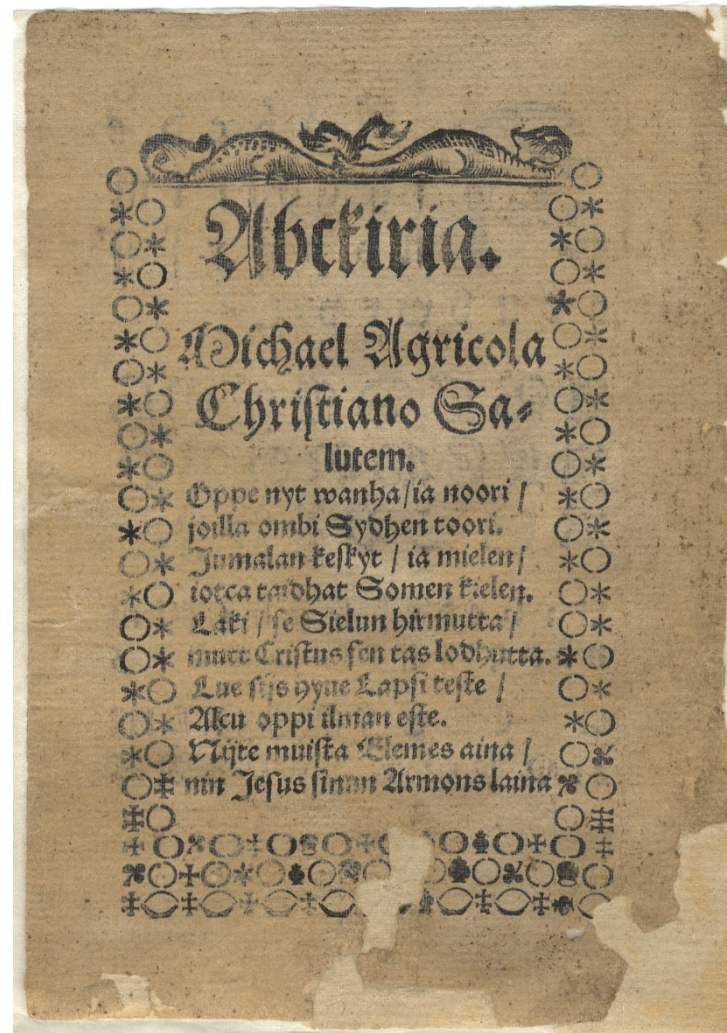
# A brief history of the National Library



- Library of the Royal Academy of Turku 1640–1827
- Library of Imperial Alexander University 1828–1919
- Library of the University of Helsinki 1919–2006
- National Library 2006–



# Collections



Mikael Agricola: ABC kiria (Stockholm, 1543)

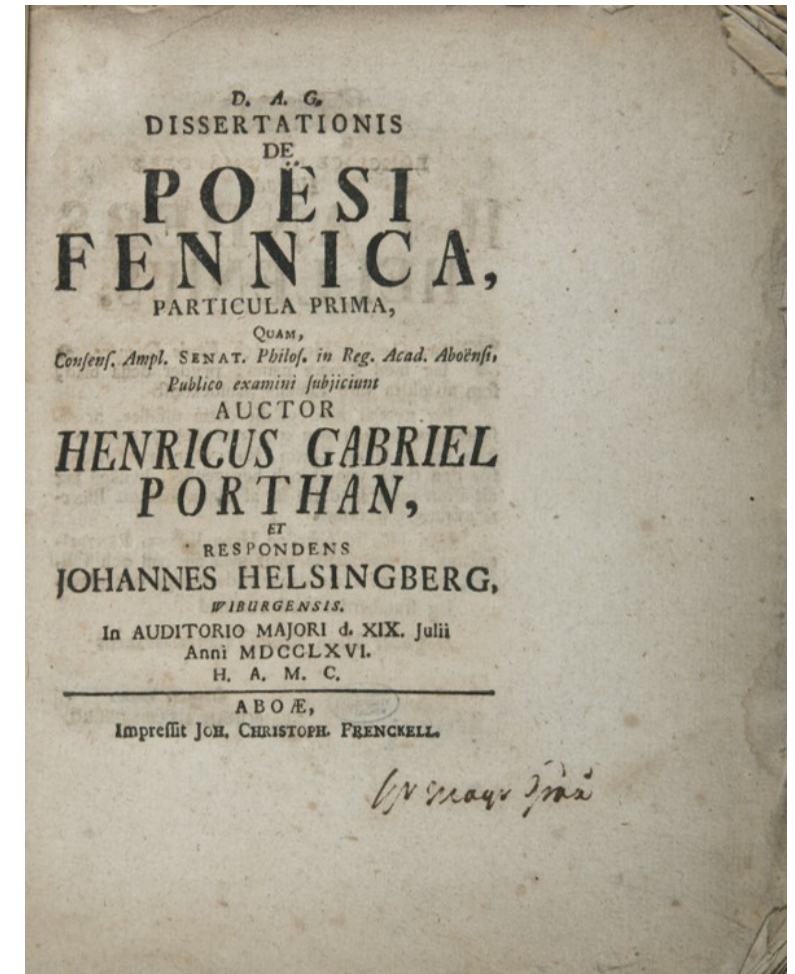


Missale Aboense (Lübeck, 1488)



# Our collections

- National Library
- Research Library for Humanities
  - History, Literature Studies, Philosophy, Art History, Music Studies, Russian and Eastern European Studies
- Largest private archive in Finland: archives of Finnish prominent figures (Topelius, Snellman, Sibelius). Roughly 750 different collections.
- Over six million items
  - Sound recordings, ephemera, maps, sheet music, posters, manuscripts
- 115 shelfkilometres of material





# National Collection

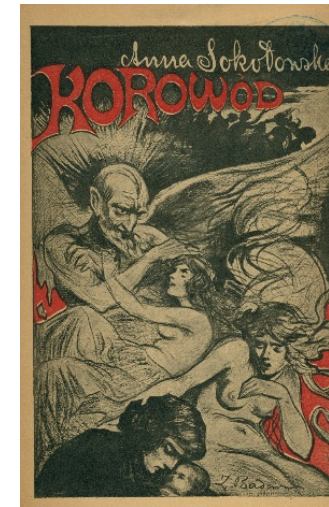
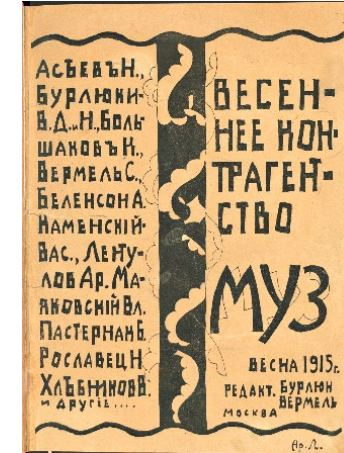
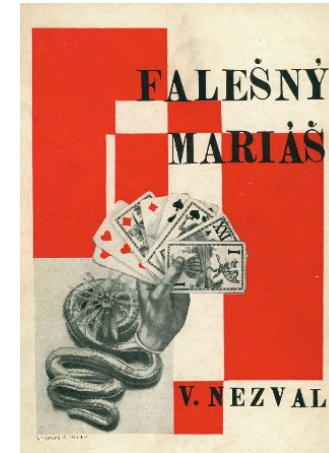
- Printed material from 1707 onwards
- Finnish sound archive (1981): nearly comprehensive collection from 1901 onwards
- Web-archive from 2006 onwards (2 billion files)
  - Websites
  - E-books
  - E-music
  - E-journals, born digital news on web, news media
  - YouTube-videos, blogs etc





# Slavonic Library and Slavonic Collections

- Internationally famous research collection for Russian studies
- Largest Russian 19th century collection outside Russia
- Imperial time material
- Soviet time material (mostly humanities)
- From 1920's systematic acquisition of Western research literature on Russian Studies





# Special and Manuscript Collections

- Cartographical Collection of A. E. Nordenskiöld
- Library of Radziwiłł family
- Medieval fragments
- Most of the handwritten medieval books in Finland
- Archives of prominent Finnish figures



J. Blaeu, Atlas Maior (Antwerpen 1665)

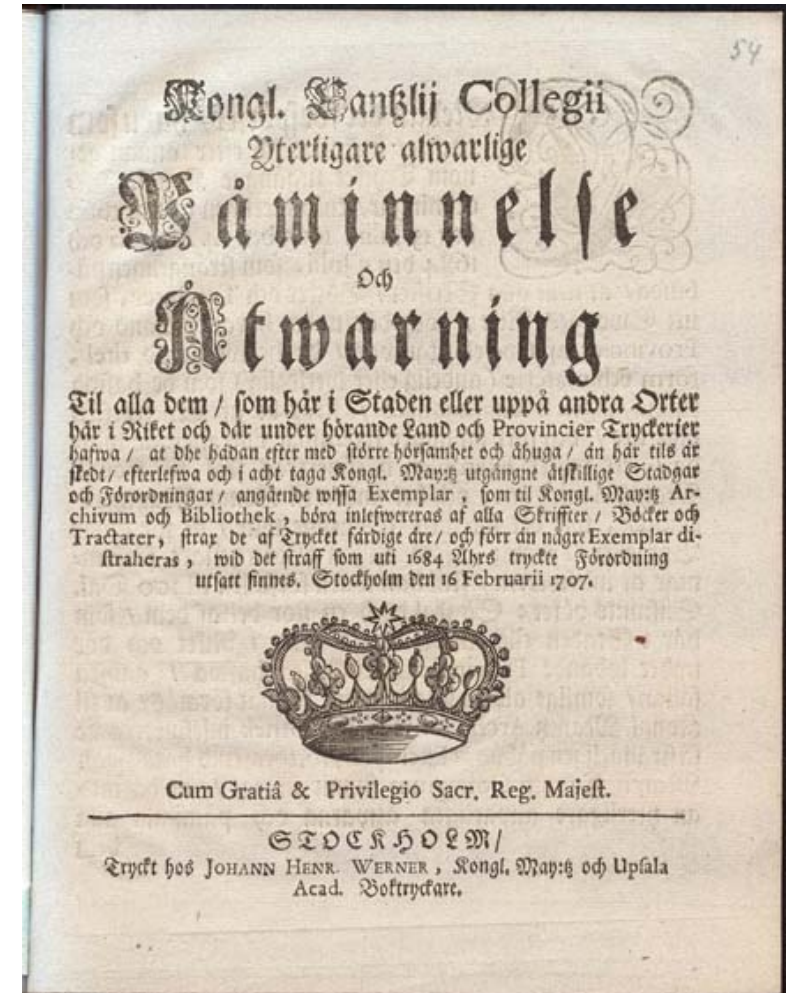
# Legal Deposit in Finland



THE NATIONAL LIBRARY OF FINLAND

# Legislation

- Act on collecting and preserving cultural materials (1433/2007)
  - obliges the National Library to archive Finnish publications
- Copyright act (404/1961)
  - gives a right to archive online materials (2006)
  - directs the use of archived online material (2006)





# National Library preserves

- Printed material (since 1707) and audio-visual material (since 1980)
- Finnish web archive (since 2006)
- Electronic legal deposits (since 2009)
  - E-books,
  - E-journals,
  - E-music, etc...
  - ...and metadata



# Statistics 2018 - print and audiovisual material

■ Books	10 375
■ Magazines	3 397
■ Newspapers	295
■ Maps	566
■ Sheet music	622
■ Ephemerals (approximately)	50 000
■ Music recordings	1 484
■ Speech recordings	2 808





# The Finnish Web Archive

- Annual harvest
  - Approximately 400 000 .fi and .ax domains
  - Social media (twitter, youtube)
- Thematic harvests
  - Important or unexpected events
    - recent harvests: general elections, Sami, Podcasts, #metoo, music, circus
  - In co-operation with researchers and/or specialists
  - Social media
- Daily/weekly/monthly crawls
  - Mostly news
  - Paywalled material (approximately 40 web sites)



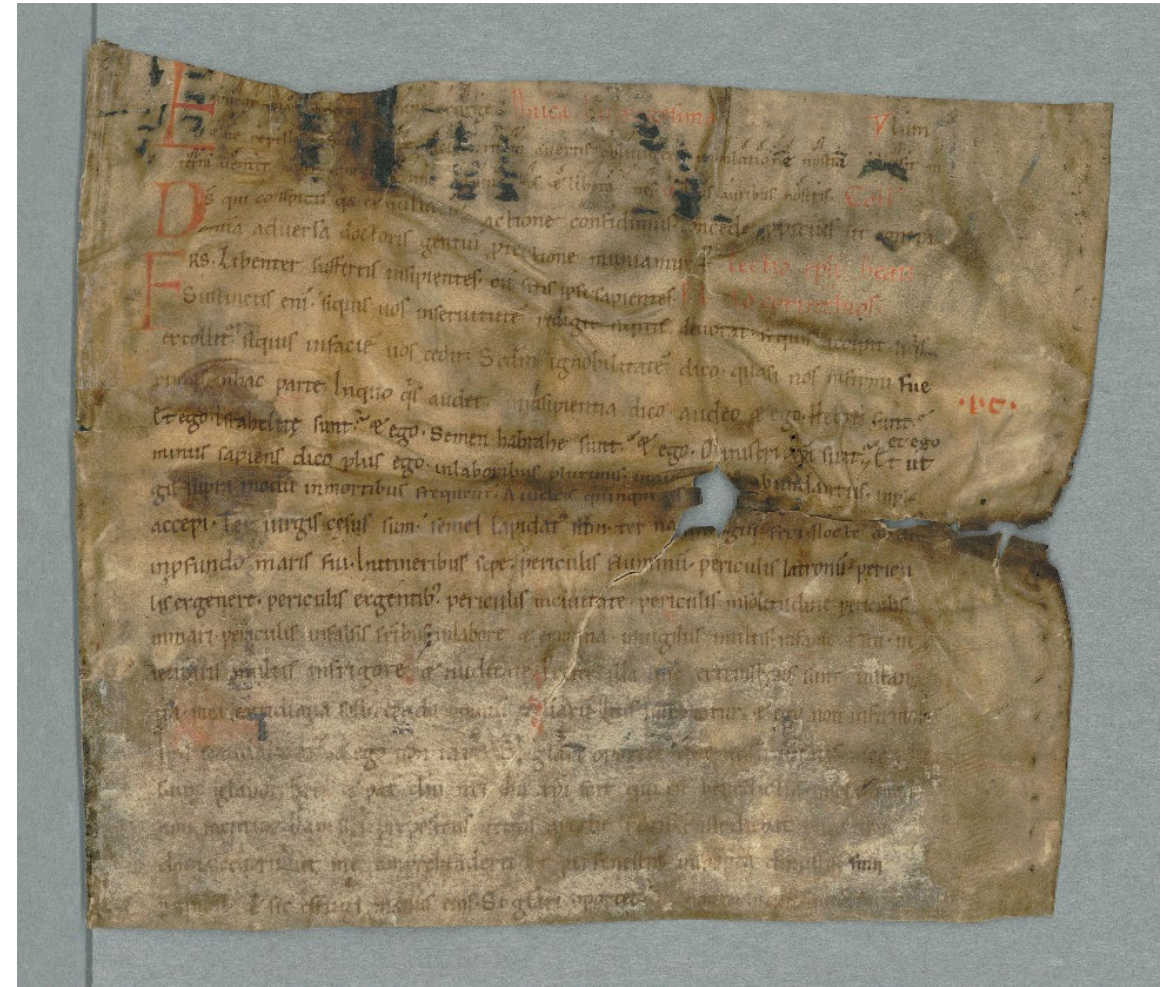


# Digitization

## Why do we digitize?

- To widen the use of the material from local to global
- To serve the research
- To create new research and research methods
- To protect fragile material

Picture: This fragment of the parchment from the Middle Ages (found in the inner cover of a 16th century ledger book) represents all these purposes



# What is digitized?

- 1,9 million pages in 2018
- Constant digitization of newspapers, journals and magazines, 1930s material in progress
- Constant audiodigitizing, C cassettes in progress
- Books, maps, pictures and ephemera in various projects, or when donations for digitizing are received
- Ongoing two projects 2019
  - Books of the Swedish era 1488-1809
  - Dissertations of the University of Helsinki
- A pilot project for digitizing sheet music in 2018



# Spotlight: Three NLF Services of TMO potential

- **FINNA** - Common user interface for all Finnish libraries, museums and archives, [www.finna.fi](http://www.finna.fi)
- **Finto** – Finnish thesaurus and ontology service, which enables both the publication and browsing of Linked Data vocabularies, [www.finto.fi](http://www.finto.fi)
- **Annif/Finto AI** automatic indexing and classification services, [www.annif.org](http://www.annif.org)







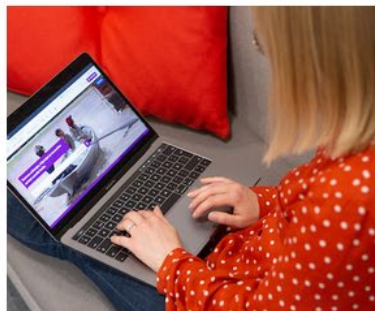
The collections of Finnish archives, libraries and museums at your fingertips.

Find... All fields ▾

Advanced search

BROWSE Images Unrestricted collections Finna Street Other collections ▾ Content providers in Finna

## CURRENT TOPICS



Finna is accessible by all



Changes in the library systems of universities affect the use of the Finna.fi search service



The online oasis of culture Finna.fi provides relief during the crisis



Smart and participatory access to cultural and scientific collections – Finna's new vision published

# Finto – ontology service

finto Finnish Thesaurus and Ontology Service

Vocabularies About Feedback Help | suomi svenska

YSO - Yleinen suomalainen ontologia

Content language Finnish Search

A-Z Hierarchy Groups New

- oliot
  - abstraktit objektit
  - fyysiset kokonaisuudet
  - fyysiset objektit
  - järjestelmät
  - paikka
    - alueet
    - fiktiiviset paikat
    - ihmisen määrittämät paikat
      - aallomurtajat**
      - altaat
      - asuinpaikat
      - asukaspuistot
      - asutustilat
      - aukiot
      - autiotilat
      - bordellit
      - eläinpuistot
      - eläintarhat
      - harjoittelupaikat
      - haudat
      - havaintoasemat
      - Hermas (museotila)
      - hoitopaikat
      - huviuistot
      - jäteasemat
      - juhlapaikat
      - julkisivut
      - kaivaukset
      - kaivokset
      - kalastuspaikat
      - kalliioleikkaukset
      - kappelit
      - kasvatuslammikot
      - katakombit
      - keräyspisteet
      - kesäsiirtolat
      - kibbutsit
      - kiinteistöt
      - koetilat
      - koirapuistot
      - kolumbaariot
      - korttelit
      - komatortit

oliot > paikka > ihmisen määrittämät paikat > aallomurtajat

PREFERRED TERM **aallomurtajat**

TYPE Yleiskäsite

BROADER CONCEPT ihmisen määrittämät paikat

RELATED CONCEPTS penkereet ja vallit

BELONGS TO GROUP 37 Rakentaminen. Rakennusteollisuus. Talonrakennus. Maarakennus. Vesirakennus. Tienrakennus

IN OTHER LANGUAGES breakwaters English  
vågbrytare Swedish


URI <http://www.yso.fi/onto/yso/p26021>

Download this concept: RDF/XML Turtle JSON-LD Created 3/1/12, last modified 1/25/20

CLOSELY MATCHING CONCEPTS Breakwaters (en) Library of Congress Subject Headings

EXACTLY MATCHING CONCEPTS aallomurtajat KOKO-ontologia  
aallomurtajat YSA - Yleinen suomalainen asiasanasto  
vågbrytare (sv) Allärs - Allmän tesaurus på svenska

Images indexed with the term in Finna 128



Eteläisen Helsingin merialueita Kaivopuiston näköalapaikalta. Helsingin kaupungin museo

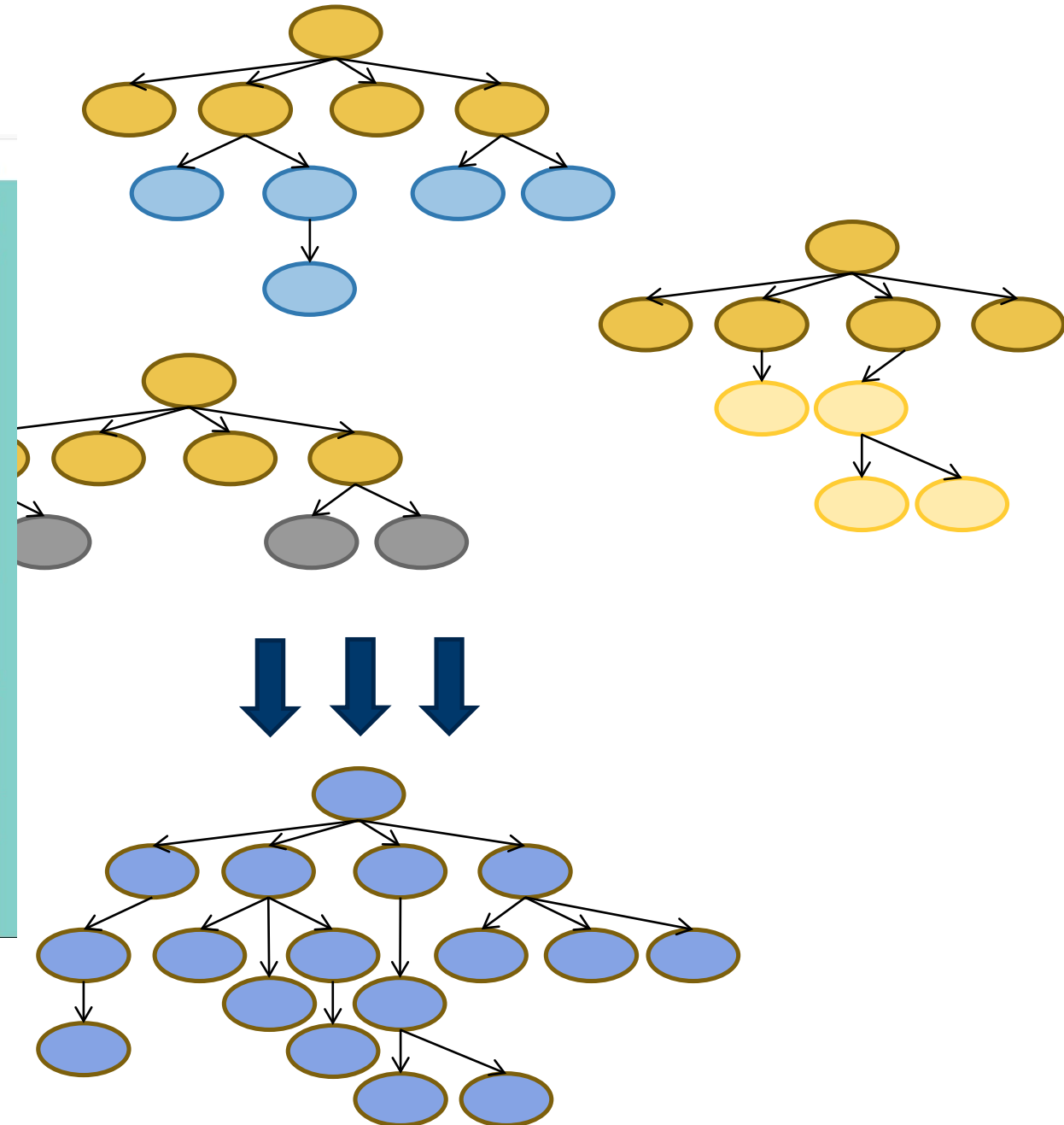
Näkymä Laajasalon Tullisaaresta Tullisaarenselän yli kohti H... Helsingin kaupungin museo

laivaa vastassa Museovirasto

höyrylaiva tulossa satamaan Museovirasto

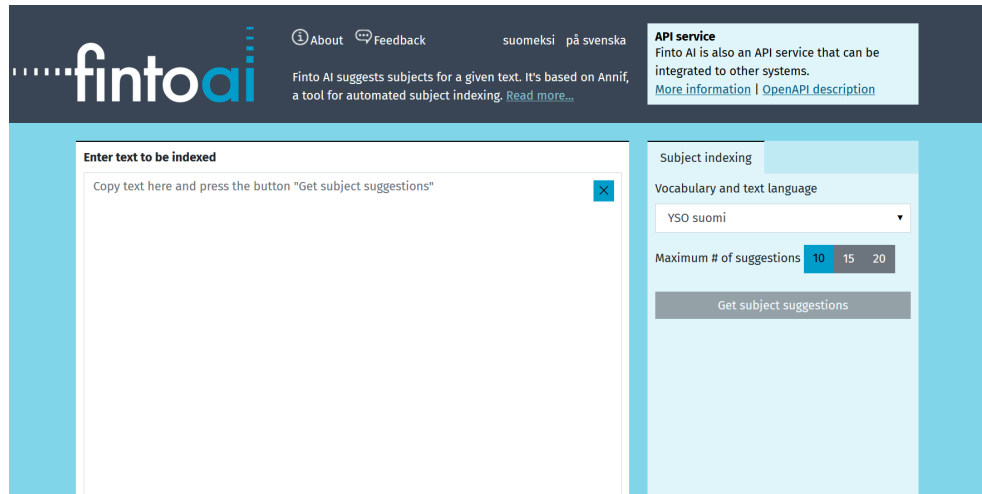
Kuvattu asuinrakennuksen pihalta joelle päin Museovirasto

See all the results in Finna



Skosmos open source vocabulary  
platform: Skosmos.org

# Annif and Finto AI



ai.finto.fi

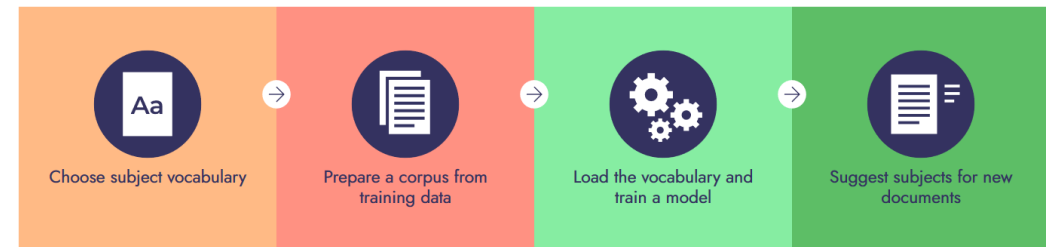
annif.org

annif

Tool for automated subject indexing and classification

Choose a controlled subject vocabulary and train Annif on already indexed documents – it can then suggest subjects for new documents!

## HOW TO USE ANNIF



Annif uses a combination of existing **natural language processing** and **machine learning** tools including [Maui](#),



**Thank you!**  
**[www.kansalliskirjasto.fi](http://www.kansalliskirjasto.fi)**

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