

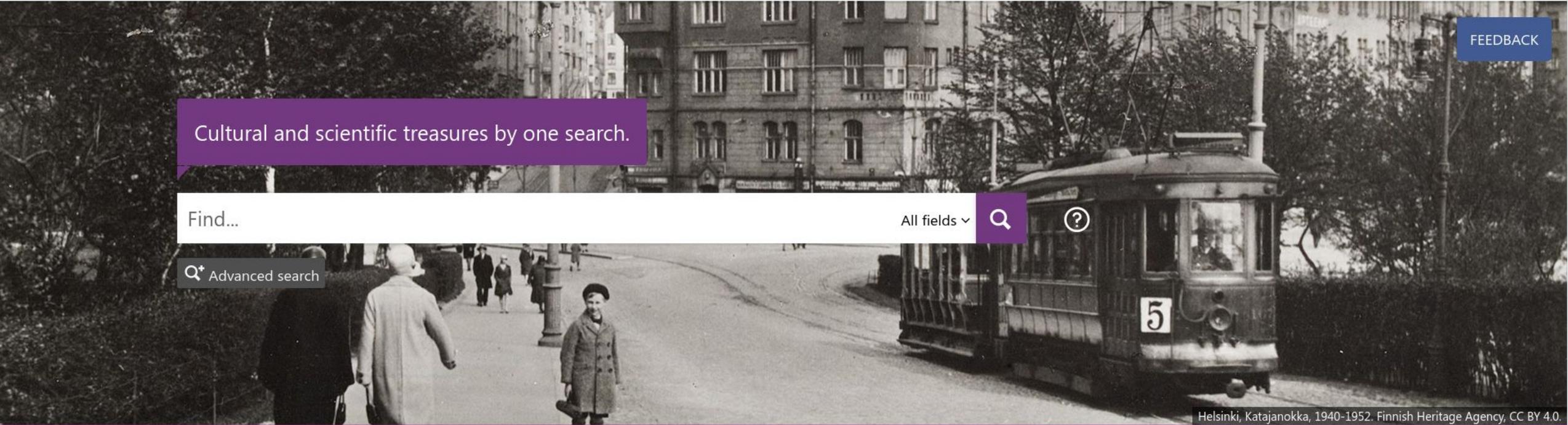
Chatbot assistant for searching the Finna.fi LAM discovery portal

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SWIB24 Lightning Talk
27 November 2024

Cultural and scientific treasures by one search.

[All fields](#)

[Advanced search](#)


Helsinki, Katajanokka, 1940-1952. Finnish Heritage Agency, CC BY 4.0.

- [BROWSE](#)
-  [Educational resources](#)
-  [Images](#)
-  [Literature](#)
-  [Physical objects](#)
-  [Videos](#)
-  [Works of art](#)
-  [Theses](#)
-  [Other collections](#)

Finna.fi is everyday discoveries, opportunities for learning and sources of research.

A search service for finding fascinating material from archives, libraries, museums and other organisations. [Read more about Finna.fi](#)

Over 450 material providers



Libraries

Availability data for the materials and customer functionalities



Museums

Extensive collections of online materials



Archives

Hierarchical presentation of archive materials



Other material providers

Publication archives, educational resources and research facilities

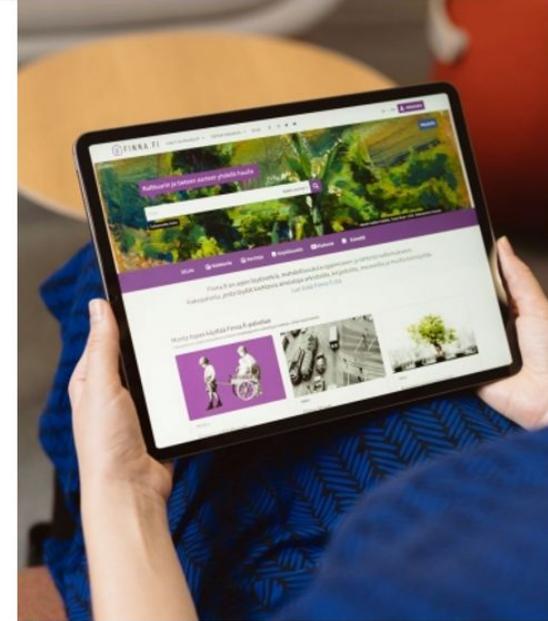


You can find all material providers from [Finna.fi](https://finna.fi)

Finna.fi gathers materials to a single address



- The joint usage view of Finna.fi has nearly 17.8 million material sets, of which over 3.2 million are freely available online.
- The service includes:
 - Art
 - Literature
 - Research data
 - Photographs and maps
 - Archive materials
 - Movies and videos
 - + much more!



All materials ?

Educational resources ?

NARROW SEARCH

Showing 1 - 20 results of 1,119 →

Sort **Relevance** ▾ Results per page **20** ▾ Show as **Information and pics** ▾ Available online 555

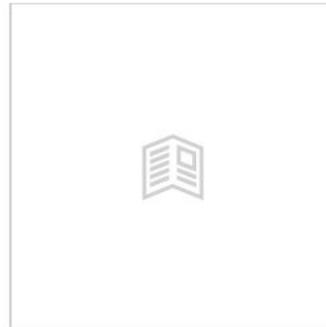
USAGE RIGHTS ▾

CONTENT TYPE ▲

- ▶ Image 521
- ▶ Book material 264
- ▶ Journal/Article 122
- ▶ Sound 92
 - Musical score 73
- ▶ Thesis 36
- ▶ Video 25
- ▶ Work of art 21
- ▶ Text, other 4
 - Physical object 4
- ▶ Other 3
- ▶ Archive/Collection 1

AUTHOR ▾

Search alternatives: helsinki winter snow » helsinki winter show +



Amid the winter snow

📖 Article

Bosley, Keith ▾

Published in Books from Finland 31 (1997) : 4, s. 266-268

National Library - Arto



Helsinki talvella; Helsinki maaliskuussa 1985

Helsinki in winter; Helsinki in March 1985

🖼️ Image

Lindroos, Hannu, kuvaaja

1985

🔗 SHOW OTHER VERSIONS (6)



Personas and use cases

(Saga Jacksen / Finna)

Art and design enthusiast

Journalist

Handicraft enthusiast

University student

Genealogist

History enthusiast

Parent

Finnish glass objects

User wants to find images of Finnish glass objects. Is primarily interested in objects by Iittala and Riihimäen Lasi.

Example search queries:

- Timo Sarpaneva glasses
- I'm looking for images of glasses designed by Timo Sarpaneva
- Glass items by Nanny Still
- Search glass by Riihimäen Lasi
- Does Finna have images of Riihimäen Lasi ashtrays?

Searching for archive materials

Looking for archival materials for an article about Esko Aho (former Finnish prime minister)

- What archive materials about Esko Aho?
- Which archive has materials related to Esko Aho?
- Esko Aho archives
- Which archive has Esko Aho documents?

Technical implementation (Unni Kohonen)

- Prototype application made using Gradio:
<https://github.com/NatLibFi/finna-assistant/>
- GPT language model in Azure cloud, Sweden (currently `gpt-4o-mini`)
 - used for Function Calling – Finna search is a "function"
- A huge (14kB) system prompt for describing the task to the LLM

Demo

Chatbot

where can i find letters by gallen-kallela

You can find letters by Akseli Gallen-Kallela primarily at the **Gallen-Kallelan Museo** and the **Finnish Literature Society (FINLIT)**. The Gallen-Kallelan Museo holds various letters, including correspondence with Johannes Öhquist, while the Finnish Literature Society archives letters related to Gallen-Kallela's family members, such as Kirsti and Jorma Gallen-Kallela.

For example, one notable letter is titled "[Akseli Gallen-Kallelan lähettämä kirje Johannes Öhquistille 16.4.1927](#)," which was sent to Johannes Öhquist. Additionally, you can find other letters and postcards exchanged between Gallen-Kallela and Öhquist from various years, such as 1897 and 1909.

If you need more specific details or additional records, please let me know.

Textbox
Tokens used: 25,581/128,000

Start a new chat Submit

English system prompt

App last built: 2024-11-19 15:17:42

FINNA.FI

ENGLISH LOGIN

WARNING: This is Finna's testing environment. Go to [Finna's production environment](#) for normal use. OK

Edit this search Start a new Advanced Search Start a new Basic Search

Your search terms: (Author:Gallen-Kallela)

SHOW FILTERS (1) ▼

NARROW SEARCH 1 - 50 results of 167 →

Available online 163

USAGE RIGHTS

CONTENT TYPE

AUTHOR

TOPIC

REGION

YEAR OF MANUFACTURE

Relevance 50 Information and pics

Akseli **Gallen-Kallelan** lähettämätön kirje Johannes Öhquistille 16.4.1927 ✕
Ett osänt brev från Akseli Gallen-Kallela till Johannes Öhquist 16.4.1927
Letter
Gallen-Kallela, Akseli, kirjoittaja
1927
"...Ett osänt brev från Akseli **Gallen-Kallela** till Johannes Öhquist 16.4.1927..."

Jorma **Gallen-Kallelan** kortti Otto Manniselle ✕
Letter
Gallen-Kallela. Jorma ▼. Author :

Use via API · Built with Gradio

Limitations and challenges

1. Based only on Finna metadata, no fulltext → limits what is possible
2. Only a limited number (currently 50) of search results given to the LLM in the prompt → can't do large scale analysis
3. Multilingual issues are difficult!
4. We haven't thought much about production use scenarios yet...
5. Only a prototype, further development needs more resources

Thank you!

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