

# Educational resource development

November 2025

*Document elaborated by the local office at Tampere University*

DARIAH-FI



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### *About this document*

DARIAH-FI is the national research infrastructure for the digital humanities and computational social sciences in Finland. This facility was created with the objective of supporting the needs of those conducting data-intensive social sciences and humanities (SSH) research.

In operation since 2022, DARIAH-FI is funded by the Research Council of Finland and provides digital tools, materials and best practices to the Finnish SSH community. The services of the facility are centrally provided through the environment of the CSC – IT Center for Science.

For the 2022–2023 funding period, a report detailing the state of digital humanities and computational social sciences education in Finland as well as the resources provided by the facility was released in December 2023 (available at: <https://doi.org/10.5281/zenodo.10478885>).

This document provides an updated report on the educational resource development in DARIAH-FI for the 2024–2025 funding period, and it is divided into four sections:

1. Section 1 introduces the network, expertise and its affiliated research groups that provide consultation on matters of digital humanities and computational social sciences.
2. Section 2 gives an overview of the educational resources developed at each local node, including training materials for DARIAH-FI digital tools, materials and/or best practices as well as degree programmes and regular courses that support uptake of the facility.
3. Section 3 gives an overview of the educational resources developed at the international level, including training and teaching offered by other organizations that might be relevant to support DARIAH-FI uptake.
4. Section 4 describes the next steps in the facility for the 2026–2029 funding period, particularly in terms of educational resource development.

The information on educational resource development described in this document is also maintained through the DARIAH-FI information platform (which provides as well more general information on the facility and it is available at: <https://www.dariah.fi/>), both in terms of training materials for DARIAH-FI digital tools, materials and/or best practices (available at: <https://www.dariah.fi/resources-2/>) as well as degree programmes and regular courses offered at each local node (available at: <https://www.dariah.fi/training-and-teaching/>).

DARIAH-FI has representatives from seven universities (Aalto University, University of Eastern Finland, University of Helsinki, University of Jyväskylä, University of Oulu, Tampere University, University of Turku), two cultural heritage institutions (National Archives of Finland, National Library of Finland), and the CSC – IT Center for Science, all based in Finland.

Moreover, up to 15 research groups, centers, networks and institutes from the seven universities that form part of the facility are affiliated to DARIAH-FI (see Table 1).

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<b>University of Helsinki</b>	COMET: Weak-tie hypothesis in complex digital networks <a href="https://uefconnect.uef.fi/en/comet-weak-tie-hypothesis/">https://uefconnect.uef.fi/en/comet-weak-tie-hypothesis/</a>
	Helsinki Computational History Group (COMHIS) <a href="https://www.helsinki.fi/en/researchgroups/computational-history">https://www.helsinki.fi/en/researchgroups/computational-history</a>
	Human Sciences – Computing Interaction (HSCI) <a href="https://www.helsinki.fi/en/researchgroups/human-sciences-computing-interaction">https://www.helsinki.fi/en/researchgroups/human-sciences-computing-interaction</a>
	Helsinki Institute for Social Sciences and Humanities (HSSH) <a href="https://www.helsinki.fi/en/helsinki-institute-social-sciences-and-humanities">https://www.helsinki.fi/en/helsinki-institute-social-sciences-and-humanities</a>
	Center for Social Data Science (CSDS) <a href="https://www.helsinki.fi/en/networks/centre-social-data-science">https://www.helsinki.fi/en/networks/centre-social-data-science</a>
<b>University of Jyväskylä</b>	Helsinki Centre for Digital Humanities (HELDIG) <a href="https://www.helsinki.fi/en/digital-humanities">https://www.helsinki.fi/en/digital-humanities</a>
	Game Research Network <a href="https://www.jyu.fi/en/humsoc/research/game-research-network">https://www.jyu.fi/en/humsoc/research/game-research-network</a>
<b>University of Oulu</b>	Sign Language Centre <a href="https://www.jyu.fi/en/humsoc/kivi/sign-language-centre">https://www.jyu.fi/en/humsoc/kivi/sign-language-centre</a>
	Eudaimonia Institute <a href="https://www.oulu.fi/en/university/faculties-and-units/eudaimonia-institute">https://www.oulu.fi/en/university/faculties-and-units/eudaimonia-institute</a>
<b>Tampere University</b>	InfUSE <a href="https://www.tuni.fi/en/research/infuse">https://www.tuni.fi/en/research/infuse</a>
<b>Univeristy of Turku</b>	TurkuNLP <a href="https://turkunlp.org/">https://turkunlp.org/</a>
	Turku Data Science Group <a href="https://datascience.utu.fi/">https://datascience.utu.fi/</a>

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**Table 1.** DARIAH-FI affiliated groups.

For more information on the DARIAH-FI local offices and the affiliated groups of the facility, you can visit the dedicated page on this topic at the DARIAH-FI information platform (available at: <https://www.dariah.fi/local-offices/>).

## **2. State of educational resources in DARIAH-FI**

For the 2024–2025 funding period, DARIAH-FI concentrated on (1) upgrading tools for processing unstructured text, (2) facilitating research in audio-visual culture, and (3) supporting uptake of transforming technology in SSH.

This work is divided into different areas, including data management, data ingestion, data enrichment, analytical support, and evidence-based infrastructure development. The following provides a brief description of the development of the facility for the 2024–2025 funding period, including training material specific for each infrastructure component developed as well as educational opportunities and teaching offered by each local node.

As previously described, the DARIAH-FI information platform provides updated access to educational resources for the digital tools, materials and/or best practices of the facility (available at: <https://www.dariah.fi/resources-2/>) as well as degree programmes and regular courses offered at each local node (available at: <https://www.dariah.fi/training-and-teaching/>).

## 2.1 Aalto University

<b>Digital tools, materials and/or best practices provided within DARIAH-FI</b>	Sampo-UI: <a href="https://seco.cs.aalto.fi/tools/sampo-ui/">https://seco.cs.aalto.fi/tools/sampo-ui/</a>
<b>Related areas</b>	Data ingestion

<b>Educational resources provided</b>	<p>Sampo-UI:</p> <ul style="list-style-type: none"> <li>○ GitHub README: <a href="https://github.com/SemanticComputing/sampo-ui?tab=readme-ov-file#readme">https://github.com/SemanticComputing/sampo-ui?tab=readme-ov-file#readme</a></li> <li>○ Tutorials: <ul style="list-style-type: none"> <li>○ Written tutorial: <a href="https://seco.cs.aalto.fi/tools/sampo-ui/Sampo-UI-tutorial.pdf">https://seco.cs.aalto.fi/tools/sampo-ui/Sampo-UI-tutorial.pdf</a></li> <li>○ Slides from the tutorial held at the DHNB2025 conference: <a href="https://seco.cs.aalto.fi/events/2025/2025-03-04-sampo-tutorial/">https://seco.cs.aalto.fi/events/2025/2025-03-04-sampo-tutorial/</a></li> <li>○ Slides and video recordings from the tutorial “How to create a Linked Open Data service and semantic portal for your Cultural Heritage data”: <a href="https://seco.cs.aalto.fi/events/2024/2024-11-28-sampo-tutorial/">https://seco.cs.aalto.fi/events/2024/2024-11-28-sampo-tutorial/</a></li> </ul> </li> </ul>
<b>Other supports available</b>	<p>Events:</p> <ul style="list-style-type: none"> <li>○ DARIAH-FI Workshop: New tools and data services for cultural heritage research (22.1.2026): <a href="https://www.dariah.fi/event/dariah-fi-workshop-tools-for-ch/">https://www.dariah.fi/event/dariah-fi-workshop-tools-for-ch/</a></li> <li>○ HELDIG Digital Humanities Summit 2025 (4.12.2025): <a href="https://blogs.helsinki.fi/heldig-summit/">https://blogs.helsinki.fi/heldig-summit/</a></li> </ul> <p>Other:</p> <ul style="list-style-type: none"> <li>○ Hyvönen, Eero (2018). <i>Semanttinen web</i>. Gaudeamus. <a href="https://www.ellibs.com/fi/book/9789523455245">https://www.ellibs.com/fi/book/9789523455245</a></li> <li>○ Linked Data School LinDa: <a href="https://linda.seco.cs.aalto.fi/">https://linda.seco.cs.aalto.fi/</a></li> </ul>

<b>Courses</b>	<i>Doctoral level studies</i>
	Semantic Web D: <a href="https://sisu.aalto.fi/student/courseunit/aalto-CU-1150973090-20240801/brochure">https://sisu.aalto.fi/student/courseunit/aalto-CU-1150973090-20240801/brochure</a>

	<i>MOOC</i>
	Open version of the 2022 Semantic Web course ( <a href="https://plus.cs.aalto.fi/CS-E4410/2022open/">https://plus.cs.aalto.fi/CS-E4410/2022open/</a> ), including: <ul style="list-style-type: none"> <li>○ Overview <ul style="list-style-type: none"> <li>○ Introduction</li> </ul> </li> <li>○ Producing RDF data and RDFS ontologies <ul style="list-style-type: none"> <li>○ RDF</li> <li>○ Presenting RDF graphs</li> <li>○ Creating a FOAF profile</li> <li>○ RDF Schema</li> </ul> </li> <li>○ SPARQL query language and protocol <ul style="list-style-type: none"> <li>○ SPARQL</li> <li>○ SPARQL basics</li> </ul> </li> <li>○ SKOS <ul style="list-style-type: none"> <li>○ SKOS</li> </ul> </li> </ul>
	<i>Other courses and trainings</i>
	Linked Data Technologies for Cultural Heritage and Digital Humanities: Introducing the Semantic Web in Video Lectures – <a href="https://seco.cs.aalto.fi/teaching/sw-introduction/">https://seco.cs.aalto.fi/teaching/sw-introduction/</a>



## 2.2 University of Eastern Finland

<b>Digital tools, materials and/or best practices provided within DARIAH-FI</b>	<p>Nordic Tweet Stream (NTS):  <a href="https://nordictweetstream.fi/">https://nordictweetstream.fi/</a></p> <p>Digital Social Network (DSN) corpora:  <i>Upcoming</i></p> <p>BlueSky:  <i>Upcoming</i></p>
<b>Related areas</b>	Analytical support

<b>Educational resources provided</b>	<p>Nordic Tweet Stream (NTS):</p> <ul style="list-style-type: none"> <li>○ User guidance: <a href="https://nordictweetstream.fi/about/">https://nordictweetstream.fi/about/</a></li> <li>○ Introductory video (to be updated soon):  <a href="https://www.youtube.com/watch?v=iwAySFXamw">https://www.youtube.com/watch?v=iwAySFXamw</a></li> <li>○ Support via email: general comments (<a href="mailto:mikko.laitinen@uef.fi">mikko.laitinen@uef.fi</a>); technical comments (<a href="mailto:mehrdad.salimi@uef.fi">mehrdad.salimi@uef.fi</a>; <a href="mailto:masoud.fatemi@uef.fi">masoud.fatemi@uef.fi</a>)</li> </ul>
<b>Other supports available</b>	<p>Events:</p> <ul style="list-style-type: none"> <li>○ DARIAH-FI Workshop: New datasets and tools for social media research (9.12.2025):  <a href="https://www.dariah.fi/event/dariah-fi-workshop-new-datasets-and-tools-for-social-media-research/">https://www.dariah.fi/event/dariah-fi-workshop-new-datasets-and-tools-for-social-media-research/</a></li> <li>○ FIN-CLARIAH Workshop “Tools to make sense of web data” (10.12.2024): <a href="https://www.dariah.fi/event/fin-clariah-workshop-at-drd-hum-tools-to-make-sense-of-web-data/">https://www.dariah.fi/event/fin-clariah-workshop-at-drd-hum-tools-to-make-sense-of-web-data/</a></li> <li>○ Nordic Tweet Stream (NTS) online workshop (14.3.2024): <a href="https://www.dariah.fi/event/nordic-tweet-stream-nts-online-workshop-2/">https://www.dariah.fi/event/nordic-tweet-stream-nts-online-workshop-2/</a></li> </ul> <p>Other:</p> <ul style="list-style-type: none"> <li>○ Possibility of organizing interactive workshops to showcase the use of the Nordic Tweet Stream (NTS). For more information: <a href="mailto:paula.rautionaho@uef.fi">paula.rautionaho@uef.fi</a></li> </ul>

<b>Courses</b>	<i>Bachelor level studies</i>
	<p>Digital Methods in Variationist Research:  <a href="https://opas.peppi.uef.fi/en/course/FH00EC27/132243?period=2025-2026">https://opas.peppi.uef.fi/en/course/FH00EC27/132243?period=2025-2026</a></p>
	<i>Master level studies</i>

	<p>Master's Degree Programme in Linguistic Data Sciences:  <a href="https://opas.peppi.uef.fi/en/programme/131086?period=2025-2026">https://opas.peppi.uef.fi/en/programme/131086?period=2025-2026</a></p> <p>Digital Methods in Variationist Research:  <a href="https://opas.peppi.uef.fi/en/course/FH00EC27/132243?period=2025-2026">https://opas.peppi.uef.fi/en/course/FH00EC27/132243?period=2025-2026</a></p>
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### 2.3 University of Helsinki

<b>Digital tools, materials and/or best practices provided within DARIAH-FI</b>	<p>Elasticsearch:  <a href="https://github.com/hsci-r/elasticsearch-openshift/blob/main/documentation/exported_query.md">https://github.com/hsci-r/elasticsearch-openshift/blob/main/documentation/exported_query.md</a></p> <p>Finnsurveytext:  <a href="https://cran.r-project.org/web/packages/finnsurveytext/index.html">https://cran.r-project.org/web/packages/finnsurveytext/index.html</a></p> <p>Coslab:  <a href="https://github.com/uH-dcm/coslab-gui">https://github.com/uH-dcm/coslab-gui</a></p> <p>Forum scrapers:  <a href="https://github.com/uH-dcm/forum-scrapers">https://github.com/uH-dcm/forum-scrapers</a></p>
<b>Related areas</b>	<p>Data ingestion</p> <p>Data enrichment</p> <p>Analytical support</p>
<b>Educational resources provided</b>	<p>Elasticsearch:</p> <ul style="list-style-type: none"> <li>Video: <a href="https://youtu.be/EVe5ZUo8tOM?feature=shared">https://youtu.be/EVe5ZUo8tOM?feature=shared</a></li> </ul> <p>Finnsurveytext:</p> <ul style="list-style-type: none"> <li>Video: <a href="https://youtu.be/UN7viKRzQvI?feature=shared">https://youtu.be/UN7viKRzQvI?feature=shared</a></li> <li>Tutorial: <a href="https://dariah-fi-survey-concept-network.github.io/finnsurveytext/articles/Overview-PackageTutorial.html">https://dariah-fi-survey-concept-network.github.io/finnsurveytext/articles/Overview-PackageTutorial.html</a></li> </ul> <p>Coslab:</p> <ul style="list-style-type: none"> <li>User guidance: <a href="https://github.com/uH-dcm/coslab-gui?tab=readme-ov-file#readme-ov-file">https://github.com/uH-dcm/coslab-gui?tab=readme-ov-file#readme-ov-file</a></li> </ul>
<b>Other supports available</b>	<p>Events:</p> <ul style="list-style-type: none"> <li>DARIAH-FI Workshop: New tools and data services for cultural heritage research (22.1.2026):  <a href="https://www.dariah.fi/event/dariah-fi-workshop-tools-for-ch/">https://www.dariah.fi/event/dariah-fi-workshop-tools-for-ch/</a></li> <li>DARIAH-FI Workshop: New datasets and tools for social media research (9.12.2025):  <a href="https://www.dariah.fi/event/dariah-fi-workshop-new-datasets-and-tools-for-social-media-research/">https://www.dariah.fi/event/dariah-fi-workshop-new-datasets-and-tools-for-social-media-research/</a></li> <li>HELDIG Digital Humanities Summit 2025 (4.12.2025):  <a href="https://blogs.helsinki.fi/heldig-summit/">https://blogs.helsinki.fi/heldig-summit/</a></li> </ul>

	<ul style="list-style-type: none"> <li>○ FIN-CLARIAH Workshop “Tools to make sense of web data” (10.12.2024): <a href="https://www.dariah.fi/event/fin-clariah-workshop-at-drd-hum-tools-to-make-sense-of-web-data/">https://www.dariah.fi/event/fin-clariah-workshop-at-drd-hum-tools-to-make-sense-of-web-data/</a></li> </ul> <p>Other:</p> <ul style="list-style-type: none"> <li>○ Digital humanities early career välipala: spring 2025 (<a href="https://www.dariah.fi/event/valipala/">https://www.dariah.fi/event/valipala/</a>); fall 2025 (<a href="https://www.dariah.fi/event/valipala-2/">https://www.dariah.fi/event/valipala-2/</a>)</li> <li>○ Research Data Management handbooks: <a href="https://www.helsinki.fi/en/helsinki-institute-social-sciences-and-humanities/research-support/research-data-management-handbooks">https://www.helsinki.fi/en/helsinki-institute-social-sciences-and-humanities/research-support/research-data-management-handbooks</a></li> <li>○ Methodological workshops: <a href="https://www.helsinki.fi/en/helsinki-institute-social-sciences-and-humanities/events/methodological-workshops">https://www.helsinki.fi/en/helsinki-institute-social-sciences-and-humanities/events/methodological-workshops</a></li> <li>○ Methods Clinic: <a href="https://www.helsinki.fi/en/helsinki-institute-social-sciences-and-humanities/events/methods-clinic">https://www.helsinki.fi/en/helsinki-institute-social-sciences-and-humanities/events/methods-clinic</a></li> <li>○ Brown Bag Seminar: <a href="https://www.helsinki.fi/en/helsinki-institute-social-sciences-and-humanities/events/methods-clinic">https://www.helsinki.fi/en/helsinki-institute-social-sciences-and-humanities/events/methods-clinic</a></li> <li>○ Interlab: <a href="https://www.helsinki.fi/en/infrastructures/multimodal-intra-and-interindividual-research-laboratory">https://www.helsinki.fi/en/infrastructures/multimodal-intra-and-interindividual-research-laboratory</a></li> </ul>
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<b>Courses</b>	<i>Bachelor level studies</i>
	Introduction to Digital Humanities: <a href="https://sisu.helsinki.fi/student/courseunit/otm-a58814f7-ed13-43cd-b0b3-f01ea8fd383c/brochure">https://sisu.helsinki.fi/student/courseunit/otm-a58814f7-ed13-43cd-b0b3-f01ea8fd383c/brochure</a>
	<i>Master level studies</i>
	Master’s Programme in Linguistic Diversity and Digital Humanities ( <a href="https://www.helsinki.fi/en/degree-programmes/linguistic-diversity-and-digital-humanities-masters-programme">https://www.helsinki.fi/en/degree-programmes/linguistic-diversity-and-digital-humanities-masters-programme</a> ), including the following course: <ul style="list-style-type: none"> <li>○ Method Course in Digital Humanities I: <a href="https://studies.helsinki.fi/courses/course-unit/otm-1d80fc33-1a50-4b3b-9065-bfc7b1cffb9c/LDA-H311">https://studies.helsinki.fi/courses/course-unit/otm-1d80fc33-1a50-4b3b-9065-bfc7b1cffb9c/LDA-H311</a></li> </ul>
	<i>Doctoral level studies</i>

	Digital Humanities Research Seminar: <a href="https://www.helsinki.fi/en/digital-humanities/teaching/digital-humanities-research-seminar">https://www.helsinki.fi/en/digital-humanities/teaching/digital-humanities-research-seminar</a>
	<i>Other courses and trainings</i>
	Helsinki Digital Humanities Hackathon: <a href="https://www.helsinki.fi/en/digital-humanities/helsinki-digital-humanities-hackathon-2025-dhh25">https://www.helsinki.fi/en/digital-humanities/helsinki-digital-humanities-hackathon-2025-dhh25</a>

## 2.4 University of Jyväskylä

<b>Digital tools, materials and/or best practices provided within DARIAH-FI</b>	<p>Twitch Chat Collector Tool:  <a href="https://collector-twitcher.2.rahtiapp.fi/">https://collector-twitcher.2.rahtiapp.fi/</a></p> <p>Twitch Clip Analyzer:  <a href="https://collector-twitcher.2.rahtiapp.fi/Video_clip_summary">https://collector-twitcher.2.rahtiapp.fi/Video_clip_summary</a></p> <p>Finnish Named Entity Recognition tool:  <a href="https://huggingface.co/Kansallisarkisto/finbert-ner">https://huggingface.co/Kansallisarkisto/finbert-ner</a>  <a href="https://arkkiivi.fi/">https://arkkiivi.fi/</a></p> <p>Finnish Document Type Classification tool:  <a href="https://huggingface.co/jyu-digihum/findoctype">https://huggingface.co/jyu-digihum/findoctype</a></p> <p>JYU-digihum-office:  <a href="https://huggingface.co/jyu-digihum">https://huggingface.co/jyu-digihum</a>  <a href="https://github.com/JYU-digihum">https://github.com/JYU-digihum</a></p>
<b>Related areas</b>	<p>Data ingestion</p> <p>Data enrichment</p> <p>Analytical support</p>

<b>Educational resources provided</b>	<p>Twitch Chat Collector Tool:</p> <ul style="list-style-type: none"> <li>○ Video: <a href="https://youtu.be/BN6ikEOy54U?feature=shared">https://youtu.be/BN6ikEOy54U?feature=shared</a></li> <li>○ Manual: <a href="https://collector-twitcher.2.rahtiapp.fi/Help">https://collector-twitcher.2.rahtiapp.fi/Help</a></li> </ul> <p>Twitch Clip Analyzer:</p> <ul style="list-style-type: none"> <li>○ Jari Lindroos, Jaakko Peltonen, Tanja Välisalo, Raine Koskimaa, and Ida Toivanen. “From PogChamps to Insights: Detecting Original Content in Twitch Chat.” In <i>Hawaii International Conference on System Sciences</i>, pp. 2542-2551. Hawaii International Conference on System Sciences, 2025. <a href="https://doi.org/10.24251/hicss.2025.308">https://doi.org/10.24251/hicss.2025.308</a></li> <li>○ Jari Lindroos, Ida Toivanen, Jaakko Peltonen, Tanja Välisalo, Raine Koskimaa, and Sami Äyrämö. “Participant profiling on Twitch based on chat activity and message content.” In <i>International GamiFIN Conference</i>, pp. 18-29. CEUR Workshop Proceedings, 2025. <a href="https://ceur-ws.org/Vol-4012/paper18.pdf">https://ceur-ws.org/Vol-4012/paper18.pdf</a></li> </ul> <p>Finnish Named Entity Recognition Tool:</p> <ul style="list-style-type: none"> <li>○ Toivanen, I., Poso, V., Lipsanen, M., &amp; Välisalo, T. (2025). Developing named-entity recognition for state authority archives. In O. Holownia, &amp; E. S. Sigurðarson (Eds.), <i>DHNB2024 Conference Post-Proceedings</i> (7).</li> </ul>
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	<p>University of Oslo Library. Digital Humanities in the Nordic and Baltic Countries Publications.  <a href="https://doi.org/10.5617/dhnbpub.12262">https://doi.org/10.5617/dhnbpub.12262</a></p> <ul style="list-style-type: none"> <li>○ Poso, V., Lipsanen, M., Toivanen, I., &amp; Välisalo, T. (2024). Making Sense of Bureaucratic Documents : Named Entity Recognition for State Authority Archives. In Archiving 2024 Final Program and Proceedings (pp. 6-10). Society for Imaging Science &amp; Technology. Archiving, 21. <a href="https://doi.org/10.2352/issn.2168-3204.2024.21.1.2">https://doi.org/10.2352/issn.2168-3204.2024.21.1.2</a></li> </ul>
<b>Other supports available</b>	<p>Events:</p> <ul style="list-style-type: none"> <li>○ DARIAH-FI Workshop: New tools and data services for cultural heritage research (22.1.2026):  <a href="https://www.dariah.fi/event/dariah-fi-workshop-tools-for-ch/">https://www.dariah.fi/event/dariah-fi-workshop-tools-for-ch/</a></li> <li>○ DARIAH-FI Workshop: New datasets and tools for social media research (9.12.2025):  <a href="https://www.dariah.fi/event/dariah-fi-workshop-new-datasets-and-tools-for-social-media-research/">https://www.dariah.fi/event/dariah-fi-workshop-new-datasets-and-tools-for-social-media-research/</a></li> <li>○ Twitch Chat Collector &amp; Analysis tools online workshop (14.5.2024): <a href="https://www.dariah.fi/event/twitch-chat-collector-analysis-tools-online-workshop-2/">https://www.dariah.fi/event/twitch-chat-collector-analysis-tools-online-workshop-2/</a></li> </ul> <p>Other:</p> <ul style="list-style-type: none"> <li>○ SSH infrastructural support: <ul style="list-style-type: none"> <li>○ Internal seminars with researchers</li> <li>○ CSC Scientific Ambassador Program</li> </ul> </li> <li>○ Visiting lectures: <ul style="list-style-type: none"> <li>○ Digital research methods and Natural Language Processing courses</li> </ul> </li> <li>○ Cooperation with the Open Science Centre: <ul style="list-style-type: none"> <li>○ Training and information events for students and academic staff</li> </ul> </li> </ul>
<b>Courses</b>	<i>Bachelor level studies</i>
	<p>Digital Data in Archives:  <a href="https://studyguide.jyu.fi/2025/en/courseunit/ahas350/">https://studyguide.jyu.fi/2025/en/courseunit/ahas350/</a></p>
	<i>Master level studies</i>
	<p>Digital humanities:  <a href="https://studyguide.jyu.fi/2025/en/courseunit/kuma016/">https://studyguide.jyu.fi/2025/en/courseunit/kuma016/</a></p>
	<i>Doctoral level studies</i>

	<p>Digital research methods:  <a href="https://studyguide.jyu.fi/2025/en/courseunit/hyts1100/">https://studyguide.jyu.fi/2025/en/courseunit/hyts1100/</a></p> <p>Natural Language Processing:  <a href="https://studyguide.jyu.fi/2025/en/courseunit/ties4200/">https://studyguide.jyu.fi/2025/en/courseunit/ties4200/</a></p> <p>Research methods:  <a href="https://studyguide.jyu.fi/2025/en/courseunit/hytj1301/">https://studyguide.jyu.fi/2025/en/courseunit/hytj1301/</a></p>
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## 2.5 University of Oulu

<b>Digital tools, materials and/or best practices provided within DARIAH-FI</b>	Forensic Linguistics Corpus and Search Interface (C.R.I.M.E.): <a href="https://forensic.corpora.li/">https://forensic.corpora.li/</a>  YouTube Corpus of Singapore English Podcasts: <a href="https://ycsep.corpora.li/">https://ycsep.corpora.li/</a>
<b>Related areas</b>	Data enrichment

<b>Educational resources provided</b>	<p>Forensic Linguistics Corpus and Search Interface (C.R.I.M.E.):</p> <ul style="list-style-type: none"> <li>○ Help page: <a href="https://forensic.corpora.li/corpus-frontend/forensic_test/help">https://forensic.corpora.li/corpus-frontend/forensic_test/help</a></li> <li>○ Coats, Steven and Dana Roemling. 2025. CRIME: The Corpus of Recorded Investigative, Media, and Evidence-based Proceedings. In: Fábián, Annamária and Igor Trost (eds.), <i>Impulses and Approaches to Computer-Mediated Communication: Proceedings of the 12th International Conference on Computer Mediated Communication and Social Media Corpora for the Humanities</i>, 45-49. University of Bayreuth, Germany. <a href="https://www.cmc2025.uni-bayreuth.de/pool/dokumente/CMC-2025-Proceedings-2.pdf">https://www.cmc2025.uni-bayreuth.de/pool/dokumente/CMC-2025-Proceedings-2.pdf</a></li> </ul> <p>YouTube Corpus of Singapore English Podcasts:</p> <ul style="list-style-type: none"> <li>○ Coats, Steven, Carmelo Alessandro Basile, Cameron Morin and Robert Fuchs. (2025). The YouTube Corpus of Singapore English Podcasts. <i>English World-Wide</i>. <a href="https://doi.org/10.1075/eww.25018.coa">https://doi.org/10.1075/eww.25018.coa</a></li> </ul>
<b>Other supports available</b>	<p>Events:</p> <ul style="list-style-type: none"> <li>○ DARIAH-FI Workshop: New tools and data services for cultural heritage research (22.1.2026): <a href="https://www.dariah.fi/event/dariah-fi-workshop-tools-for-ch/">https://www.dariah.fi/event/dariah-fi-workshop-tools-for-ch/</a></li> <li>○ DARIAH-FI Workshop: New datasets and tools for social media research (9.12.2025): <a href="https://www.dariah.fi/event/dariah-fi-workshop-new-datasets-and-tools-for-social-media-research/">https://www.dariah.fi/event/dariah-fi-workshop-new-datasets-and-tools-for-social-media-research/</a></li> </ul>

<b>Courses</b>	<i>Bachelor level studies</i>
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	<p>Digital Humanities, Basic Studies (minor)  <a href="https://opas.peppi oulu.fi/en/offering/SA2025DIGI25/44833?period=2025-2026">https://opas.peppi oulu.fi/en/offering/SA2025DIGI25/44833?period=2025-2026</a>), including the following courses:</p> <ul style="list-style-type: none"> <li>○ Introduction to Digital Humanities:  <a href="https://opas.peppi oulu.fi/en/course/700332P/11?period=2025-2026">https://opas.peppi oulu.fi/en/course/700332P/11?period=2025-2026</a></li> <li>○ Digital cultural heritage:  <a href="https://opas.peppi oulu.fi/en/course/HD00AW60/48419?period=2025-2026">https://opas.peppi oulu.fi/en/course/HD00AW60/48419?period=2025-2026</a></li> <li>○ Geographic information, maps and spatial methods:  <a href="https://opas.peppi oulu.fi/en/course/HD00AW62/48421?period=2025-2026">https://opas.peppi oulu.fi/en/course/HD00AW62/48421?period=2025-2026</a></li> </ul>
	<p><i>Master level studies</i></p>
	<p>Digital Humanities, Basic Studies (minor)  <a href="https://opas.peppi oulu.fi/en/offering/SA2025DIGI25/44833?period=2025-2026">https://opas.peppi oulu.fi/en/offering/SA2025DIGI25/44833?period=2025-2026</a>), including the following courses:</p> <ul style="list-style-type: none"> <li>○ Introduction to Digital Humanities:  <a href="https://opas.peppi oulu.fi/en/course/700332P/11?period=2025-2026">https://opas.peppi oulu.fi/en/course/700332P/11?period=2025-2026</a></li> <li>○ Digital cultural heritage:  <a href="https://opas.peppi oulu.fi/en/course/HD00AW60/48419?period=2025-2026">https://opas.peppi oulu.fi/en/course/HD00AW60/48419?period=2025-2026</a></li> <li>○ Geographic information, maps and spatial methods:  <a href="https://opas.peppi oulu.fi/en/course/HD00AW62/48421?period=2025-2026">https://opas.peppi oulu.fi/en/course/HD00AW62/48421?period=2025-2026</a></li> </ul> <p>Digital Humanities:  <a href="https://opas.peppi oulu.fi/en/course/682384A/6205?period=2025-2026">https://opas.peppi oulu.fi/en/course/682384A/6205?period=2025-2026</a></p>

## 2.6 Tampere University

<b>Digital tools, materials and/or best practices provided within DARIAH-FI</b>	Recommendation System for Historical Newspaper Archives: <a href="https://github.com/mrgransky/DARIAH-FI">https://github.com/mrgransky/DARIAH-FI</a>
<b>Related areas</b>	Data ingestion Evidence-based infrastructure development

<b>Educational resources provided</b>	Recommendation System for Historical Newspaper Archives: <ul style="list-style-type: none"> <li>○ Video: <a href="https://tinyurl.com/39b7znkp">https://tinyurl.com/39b7znkp</a></li> <li>○ Alijani, F., Kumpulainen, S., Peltonen, J. (2024). Unveiling the Past: User log-based Recommendation System for NLF Historical Newspapers: <a href="https://www.kielipankki.fi/wp-content/uploads/Events/FIN-CLARIAH-2024-06-10/FIN-CLARIAH2024-WP5-2-LOG-BASED-RECSYS.pdf">https://www.kielipankki.fi/wp-content/uploads/Events/FIN-CLARIAH-2024-06-10/FIN-CLARIAH2024-WP5-2-LOG-BASED-RECSYS.pdf</a></li> </ul>
<b>Other supports available</b>	Events: <ul style="list-style-type: none"> <li>○ “What can you do with digital cultural heritage data in research?” event (11.6.2025): <a href="https://www.dariah.fi/event/what-can-you-do-with-digital-cultural-heritage-data-in-research/">https://www.dariah.fi/event/what-can-you-do-with-digital-cultural-heritage-data-in-research/</a></li> <li>○ Online workshop about the Finna API (28.5.2025): <a href="https://www.dariah.fi/event/online-workshop-about-the-finna-api-2/">https://www.dariah.fi/event/online-workshop-about-the-finna-api-2/</a></li> <li>○ Twitch Chat Collector &amp; Analysis tools online workshop (14.5.2024): <a href="https://www.dariah.fi/event/twitch-chat-collector-analysis-tools-online-workshop-2/">https://www.dariah.fi/event/twitch-chat-collector-analysis-tools-online-workshop-2/</a></li> <li>○ Nordic Tweet Stream (NTS) online workshop (14.3.2024): <a href="https://www.dariah.fi/event/nordic-tweet-stream-nts-online-workshop-2/">https://www.dariah.fi/event/nordic-tweet-stream-nts-online-workshop-2/</a></li> </ul>

<b>Courses</b>	<i>Bachelor level studies</i>
	<p>Digital libraries and open science: <a href="https://opiskelijanopas.tuni.fi/en/tampere-university/curriculum/course-units/otm-e5b9699e-a176-44d8-8e64-790aa6320112?year=2025">https://opiskelijanopas.tuni.fi/en/tampere-university/curriculum/course-units/otm-e5b9699e-a176-44d8-8e64-790aa6320112?year=2025</a></p> <p>Information Search and Generation with Large Language Models: <a href="https://opiskelijanopas.tuni.fi/en/tampere-university/curriculum/course-units/uta-ykoodi-48106?year=2025">https://opiskelijanopas.tuni.fi/en/tampere-university/curriculum/course-units/uta-ykoodi-48106?year=2025</a></p>

	<p>Statistical Methods for Text Data Analysis:  <a href="https://opiskelijanopas.tuni.fi/en/tampere-university/curriculum/course-units/otm-d42bf3fb-eed7-43ee-919e-3a18e0b7d885?year=2025">https://opiskelijanopas.tuni.fi/en/tampere-university/curriculum/course-units/otm-d42bf3fb-eed7-43ee-919e-3a18e0b7d885?year=2025</a></p> <p>Fine-tuning Large Language Models (LLM):  <a href="https://opiskelijanopas.tuni.fi/en/tampere-university/curriculum/course-units/otm-68424c80-193a-4f3e-a347-9c51809ef25e?year=2025">https://opiskelijanopas.tuni.fi/en/tampere-university/curriculum/course-units/otm-68424c80-193a-4f3e-a347-9c51809ef25e?year=2025</a></p>
	<p><i>Master level studies</i></p>
	<p>Digital libraries and open science:  <a href="https://opiskelijanopas.tuni.fi/en/tampere-university/curriculum/course-units/otm-e5b9699e-a176-44d8-8e64-790aa6320112?year=2025">https://opiskelijanopas.tuni.fi/en/tampere-university/curriculum/course-units/otm-e5b9699e-a176-44d8-8e64-790aa6320112?year=2025</a></p> <p>Information Search and Generation with Large Language Models: <a href="https://opiskelijanopas.tuni.fi/en/tampere-university/curriculum/course-units/uta-ykoodi-48106?year=2025">https://opiskelijanopas.tuni.fi/en/tampere-university/curriculum/course-units/uta-ykoodi-48106?year=2025</a></p> <p>Statistical Methods for Text Data Analysis:  <a href="https://opiskelijanopas.tuni.fi/en/tampere-university/curriculum/course-units/otm-d42bf3fb-eed7-43ee-919e-3a18e0b7d885?year=2025">https://opiskelijanopas.tuni.fi/en/tampere-university/curriculum/course-units/otm-d42bf3fb-eed7-43ee-919e-3a18e0b7d885?year=2025</a></p> <p>Fine-tuning Large Language Models (LLM):  <a href="https://opiskelijanopas.tuni.fi/en/tampere-university/curriculum/course-units/otm-68424c80-193a-4f3e-a347-9c51809ef25e?year=2025">https://opiskelijanopas.tuni.fi/en/tampere-university/curriculum/course-units/otm-68424c80-193a-4f3e-a347-9c51809ef25e?year=2025</a></p>
	<p><i>Doctoral level studies</i></p>
	<p>Digital humanities and social sciences:  <a href="https://opiskelijanopas.tuni.fi/en/tampere-university/curriculum/course-units/otm-f0eb70b8-13f3-4431-a72b-ec822fd075cf?year=2025">https://opiskelijanopas.tuni.fi/en/tampere-university/curriculum/course-units/otm-f0eb70b8-13f3-4431-a72b-ec822fd075cf?year=2025</a></p> <p>Computational Methods in Research on Social, Political, and Economic Issues: <a href="https://opiskelijanopas.tuni.fi/en/tampere-university/curriculum/course-units/otm-80bfeef0-5307-4823-ad5f-f77f5f911c55?year=2025">https://opiskelijanopas.tuni.fi/en/tampere-university/curriculum/course-units/otm-80bfeef0-5307-4823-ad5f-f77f5f911c55?year=2025</a></p>

## 2.7 University of Turku

<b>Digital tools, materials and/or best practices provided within DARIAH-FI</b>	<p>Data science methods:</p> <ul style="list-style-type: none"> <li>○ finna (R package for collecting cultural metadata using the Finna API): <a href="https://fennicahub.github.io/finna/">https://fennicahub.github.io/finna/</a></li> <li>○ finto (R package for retrieving vocabulary data and for enriching the metadata using the Finto API): <a href="https://fennicahub.github.io/finto/">https://fennicahub.github.io/finto/</a></li> <li>○ geofi (R package for accessing Finnish geospatial data): <a href="https://github.com/rOpenGov/geofi">https://github.com/rOpenGov/geofi</a></li> <li>○ Fennica metadata conversions (updated September 2025): <a href="https://fennica-fennica.2.rahtiapp.fi/">https://fennica-fennica.2.rahtiapp.fi/</a></li> </ul> <p>Web data tools:</p> <ul style="list-style-type: none"> <li>○ Multilingual classifier: <a href="https://huggingface.co/TurkuNLP/web-register-classification-multilingual-bge">https://huggingface.co/TurkuNLP/web-register-classification-multilingual-bge</a></li> <li>○ Social media subtype classifiers: <a href="https://huggingface.co/TurkuNLP/bge-embeddings-subregister-classification">https://huggingface.co/TurkuNLP/bge-embeddings-subregister-classification</a></li> <li>○ Social media registers: <a href="https://huggingface.co/datasets/TurkuNLP/hplt-social-media-registers">https://huggingface.co/datasets/TurkuNLP/hplt-social-media-registers</a></li> </ul>
<b>Related areas</b>	Data enrichment
<b>Educational resources provided</b>	<p>Data science methods:</p> <ul style="list-style-type: none"> <li>○ Instructions and modifiable notebooks on GitHub and software homepages: <ul style="list-style-type: none"> <li>○ finna: <a href="https://github.com/fennicahub/finna">https://github.com/fennicahub/finna</a> and <a href="https://fennicahub.github.io/finna/">https://fennicahub.github.io/finna/</a></li> <li>○ finto: <a href="https://github.com/fennicahub/finto">https://github.com/fennicahub/finto</a> and <a href="https://fennicahub.github.io/finto/">https://fennicahub.github.io/finto/</a></li> <li>○ geofi: <a href="https://github.com/rOpenGov/geofi">https://github.com/rOpenGov/geofi</a> and <a href="https://ropengov.github.io/geofi/">https://ropengov.github.io/geofi/</a></li> <li>○ Fennica: <a href="http://github.com/fennicahub">http://github.com/fennicahub</a></li> </ul> </li> <li>○ User support through GitHub and software homepages</li> </ul> <p>Web data tools:</p> <ul style="list-style-type: none"> <li>○ Demonstration pipeline on Google Colab: <a href="https://tinyurl.com/3jfrbwn2">https://tinyurl.com/3jfrbwn2</a></li> <li>○ Instructions and notebooks on GitHub and Hugging Face: <ul style="list-style-type: none"> <li>○ All: <a href="https://github.com/TurkuNLP/social-media-enrichment-fin-clariah">https://github.com/TurkuNLP/social-media-enrichment-fin-clariah</a></li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>○ Multilingual classifier: <a href="https://huggingface.co/TurkuNLP/web-register-classification-multilingual-bge">https://huggingface.co/TurkuNLP/web-register-classification-multilingual-bge</a></li> <li>○ Social media subtype classifiers: <a href="https://huggingface.co/TurkuNLP/bge-embeddings-subregister-classification">https://huggingface.co/TurkuNLP/bge-embeddings-subregister-classification</a></li> <li>○ User support through GitHub and Hugging Face</li> </ul>
<b>Other supports available</b>	<p>Events:</p> <ul style="list-style-type: none"> <li>○ DARIAH-FI Workshop: New tools and data services for cultural heritage research (22.1.2026): <a href="https://www.dariah.fi/event/dariah-fi-workshop-tools-for-ch/">https://www.dariah.fi/event/dariah-fi-workshop-tools-for-ch/</a></li> <li>○ DARIAH-FI Workshop: New datasets and tools for social media research (9.12.2025): <a href="https://www.dariah.fi/event/dariah-fi-workshop-new-datasets-and-tools-for-social-media-research/">https://www.dariah.fi/event/dariah-fi-workshop-new-datasets-and-tools-for-social-media-research/</a></li> <li>○ FIN-CLARIAH Workshop “Tools to make sense of web data” (10.12.2024): <a href="https://www.dariah.fi/event/fin-clariah-workshop-at-drd-hum-tools-to-make-sense-of-web-data/">https://www.dariah.fi/event/fin-clariah-workshop-at-drd-hum-tools-to-make-sense-of-web-data/</a></li> </ul> <p>Other:</p> <ul style="list-style-type: none"> <li>○ Tutorial (Fennica metadata conversions): <a href="https://youtu.be/9QYKQ1IYIjQ?feature=shared">https://youtu.be/9QYKQ1IYIjQ?feature=shared</a></li> </ul>

<b>Courses</b>	<i>Bachelor level studies</i>
	<p>Introduction to Digital Humanities: <a href="https://opas.peppi.utu.fi/en/course/HTDK0029/3955?period=2024-2027">https://opas.peppi.utu.fi/en/course/HTDK0029/3955?period=2024-2027</a></p> <p>Digital Humanities for Literary Studies: <a href="https://opas.peppi.utu.fi/en/course/KOTK9715/20879?period=2024-2027">https://opas.peppi.utu.fi/en/course/KOTK9715/20879?period=2024-2027</a></p>
	<i>Master level studies</i>
	<p>Master's Degree Programme in Information and Communication Technology (Data Analytics): <a href="https://www.utu.fi/en/study-at-utu/masters-degree-programme-in-information-and-communication-technology-data-analytics">https://www.utu.fi/en/study-at-utu/masters-degree-programme-in-information-and-communication-technology-data-analytics</a></p> <p>Master's Degree in Digital Linguistics: <a href="https://www.utu.fi/en/yliopisto/humanistinen-tiedekunta/digitaalinen-kielentutkimus">https://www.utu.fi/en/yliopisto/humanistinen-tiedekunta/digitaalinen-kielentutkimus</a></p>
	<i>Doctoral level studies</i>

	Doctoral Programme in Languages and Translation Studies (Utuling): <a href="https://www.utu.fi/en/research/utugs/doctoral-programme-in-languages-and-translation-studies">https://www.utu.fi/en/research/utugs/doctoral-programme-in-languages-and-translation-studies</a>
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## 2.8 CSC – IT Center for Science

<b>Digital tools, materials and/or best practices provided within DARIAH-FI</b>	NLF Data Harvester: <a href="https://github.com/CSCfi/kielipankki-nlf-harvester">https://github.com/CSCfi/kielipankki-nlf-harvester</a>
<b>Related areas</b>	Data management

<b>Educational resources provided</b>	<p>NLF Data Harvester:</p> <ul style="list-style-type: none"> <li>○ End user documentation: <a href="https://github.com/CSCfi/kielipankki-nlf-harvester/blob/main/docs">https://github.com/CSCfi/kielipankki-nlf-harvester/blob/main/docs</a></li> <li>○ Developer documentation: <a href="https://github.com/CSCfi/kielipankki-nlf-harvester/blob/main/dev.md">https://github.com/CSCfi/kielipankki-nlf-harvester/blob/main/dev.md</a></li> </ul>
<b>Other supports available</b>	<p>Other:</p> <ul style="list-style-type: none"> <li>○ Guidance: <ul style="list-style-type: none"> <li>○ CSC &amp; Kielipankki training materials: <a href="https://csc-training.github.io/Kielipankki/">https://csc-training.github.io/Kielipankki/</a></li> <li>○ Docs CSC (user guides and tutorials): <a href="https://docs.csc.fi/">https://docs.csc.fi/</a></li> </ul> </li> <li>○ Support: <ul style="list-style-type: none"> <li>○ CSC Research Support Coffee: <a href="https://csc.fi/en/training-calendar/csc-research-support-coffee-every-wednesday-at-1400-finnish-time-2-2/">https://csc.fi/en/training-calendar/csc-research-support-coffee-every-wednesday-at-1400-finnish-time-2-2/</a></li> <li>○ CSC – Data Support Network: <a href="https://tinyurl.com/345dane">https://tinyurl.com/345dane</a></li> </ul> </li> </ul>

<b>Courses</b>	<i>MOOC</i>
	Applied Language Technology: <a href="https://applied-language-technology.mooc.fi/html/index.html">https://applied-language-technology.mooc.fi/html/index.html</a>
	<i>Other courses and trainings</i>
	<p>CSC Prerequisite minicourse: <a href="https://e-learn.csc.fi/enrol/index.php?id=75">https://e-learn.csc.fi/enrol/index.php?id=75</a></p> <p>Research data management: <a href="https://csc.fi/en/training-calendar/cscs-self-study-research-data-management-course/">https://csc.fi/en/training-calendar/cscs-self-study-research-data-management-course/</a></p> <p>CSC Computing Environment: <a href="https://csc.fi/en/training-calendar/csc-computing-environment-self-learning/">https://csc.fi/en/training-calendar/csc-computing-environment-self-learning/</a></p>



	<p>Elements of Supercomputing: <a href="https://edukamu.fi/elements-of-supercomputing">https://edukamu.fi/elements-of-supercomputing</a></p> <p>LUMI AI Factory training sessions: <a href="https://lumi-ai-factory.eu/trainings/">https://lumi-ai-factory.eu/trainings/</a></p> <p>On demand Sensitive Data Services training: <a href="https://csc.fi/en/training-calendar/on-demand-sensitive-data-sd-services-training/">https://csc.fi/en/training-calendar/on-demand-sensitive-data-sd-services-training/</a></p>
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## 2.9 National Archives of Finland

<b>Digital tools, materials and/or best practices provided within DARIAH-FI</b>	<p>Multicentury-HTR-model:  <a href="https://huggingface.co/Kansallisarkisto/multicentury-htr-model">https://huggingface.co/Kansallisarkisto/multicentury-htr-model</a></p> <p>Multicentury HTR Demo:  <a href="https://huggingface.co/spaces/Kansallisarkisto/Multicentury-HTR-Demo">https://huggingface.co/spaces/Kansallisarkisto/Multicentury-HTR-Demo</a></p> <p>Content Search (Sisältöhaaku):  <a href="https://sisaltohaaku.demo.kansallisarkisto.fi/">https://sisaltohaaku.demo.kansallisarkisto.fi/</a></p>
<b>Related areas</b>	<p>Data ingestion</p> <p>Data enrichment</p>

<b>Educational resources provided</b>	<p>Other:</p> <ul style="list-style-type: none"> <li>○ Arkistojen Portti (guides and tips for using archives):  <a href="https://portti.kansallisarkisto.fi/fi/home">https://portti.kansallisarkisto.fi/fi/home</a></li> <li>○ Specific services instructions, for example: <ul style="list-style-type: none"> <li>○ Astia (service with all NAF materials):  <a href="https://astia.narc.fi/uusiastia/ohjeet.html">https://astia.narc.fi/uusiastia/ohjeet.html</a></li> <li>○ Europeana Heraldica (coats of arms database):  <a href="https://heraldica.kansallisarkisto.fi/tietoja.html">https://heraldica.kansallisarkisto.fi/tietoja.html</a></li> </ul> </li> </ul>
<b>Other supports available</b>	<p>Events:</p> <ul style="list-style-type: none"> <li>○ DARIAH-FI Workshop: New tools and data services for cultural heritage research (22.1.2026):  <a href="https://www.dariah.fi/event/dariah-fi-workshop-tools-for-ch/">https://www.dariah.fi/event/dariah-fi-workshop-tools-for-ch/</a></li> <li>○ “What can you do with digital cultural heritage data in research?” event (11.6.2025):  <a href="https://www.dariah.fi/event/what-can-you-do-with-digital-cultural-heritage-data-in-research/">https://www.dariah.fi/event/what-can-you-do-with-digital-cultural-heritage-data-in-research/</a></li> <li>○ Datasta tutkimukseen –Miten hyödyntää Finnan, Kansallisarkiston ja Kansalliskirjaston aineistoja? (21.5.2025): <a href="https://www.dariah.fi/event/datasta-tutkimukseen-miten-hyodyntaa-finnan-kansallisarkiston-ja-kansalliskirjaston-aineistoja-event-in-finnish-2/">https://www.dariah.fi/event/datasta-tutkimukseen-miten-hyodyntaa-finnan-kansallisarkiston-ja-kansalliskirjaston-aineistoja-event-in-finnish-2/</a></li> </ul> <p>Other:</p> <ul style="list-style-type: none"> <li>○ Introductory lectures and training sessions on archival materials and NAF services for researchers and students upon request</li> </ul>

	<ul style="list-style-type: none"> <li>○ A new web page with description and instructions for research collaboration with NAF:  <a href="https://kansallisarkisto.fi/en/research-collaboration">https://kansallisarkisto.fi/en/research-collaboration</a> </li> </ul>
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<b>Courses</b>	N/A
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## 2.10 National Library of Finland

<b>Digital tools, materials and/or best practices provided within DARIAH-FI</b>	<p>NFL Data Harvester:  <a href="https://github.com/CSCfi/kielipankki-nlf-harvester">https://github.com/CSCfi/kielipankki-nlf-harvester</a></p> <p>Finna API:  <a href="https://github.com/NatLibFi/Finna-API-image-file-downloader">https://github.com/NatLibFi/Finna-API-image-file-downloader</a></p>
<b>Related areas</b>	<p>Data management</p> <p>Data ingestion</p>

<b>Educational resources provided</b>	<p>NFL Data Harvester:</p> <ul style="list-style-type: none"> <li>End user documentation:  <a href="https://github.com/CSCfi/kielipankki-nlf-harvester/blob/main/docs">https://github.com/CSCfi/kielipankki-nlf-harvester/blob/main/docs</a></li> <li>Developer documentation:  <a href="https://github.com/CSCfi/kielipankki-nlf-harvester/blob/main/dev.md">https://github.com/CSCfi/kielipankki-nlf-harvester/blob/main/dev.md</a></li> </ul> <p>Finna API:</p> <ul style="list-style-type: none"> <li>Step by step guidance:  <a href="https://github.com/NatLibFi/Finna-API-image-file-downloader/releases">https://github.com/NatLibFi/Finna-API-image-file-downloader/releases</a></li> <li>Documentation: <a href="https://tinyurl.com/mwtby62k">https://tinyurl.com/mwtby62k</a></li> </ul>
<b>Other supports available</b>	<p>Events:</p> <ul style="list-style-type: none"> <li>DARIAH-FI Workshop: New tools and data services for cultural heritage research (22.1.2026):  <a href="https://www.dariah.fi/event/dariah-fi-workshop-tools-for-ch/">https://www.dariah.fi/event/dariah-fi-workshop-tools-for-ch/</a></li> <li>“What can you do with digital cultural heritage data in research?” event (11.6.2025):  <a href="https://www.dariah.fi/event/what-can-you-do-with-digital-cultural-heritage-data-in-research/">https://www.dariah.fi/event/what-can-you-do-with-digital-cultural-heritage-data-in-research/</a></li> <li>Online workshop about the Finna API (28.5.2025):  <a href="https://www.dariah.fi/event/online-workshop-about-the-finna-api-2/">https://www.dariah.fi/event/online-workshop-about-the-finna-api-2/</a></li> <li>Datasta tutkimukseen –Miten hyödyntää Finnan, Kansallisarkiston ja Kansalliskirjaston aineistoja? (21.5.2025): <a href="https://www.dariah.fi/event/datasta-tutkimukseen-miten-hyodyntaa-finnan-kansallisarkiston-ja-kansalliskirjaston-aineistoja-event-in-finnish-2/">https://www.dariah.fi/event/datasta-tutkimukseen-miten-hyodyntaa-finnan-kansallisarkiston-ja-kansalliskirjaston-aineistoja-event-in-finnish-2/</a></li> </ul> <p>Other:</p>

	<ul style="list-style-type: none"> <li>○ Training sessions (regular and one-off) for researchers regarding different NLF services</li> <li>○ Introduction to NLF collections for university students (on request)</li> <li>○ A shortcut to research (page showcasing research publications and materials):  <a href="https://finna.fi/Content/oikopolku?lng=en-gb">https://finna.fi/Content/oikopolku?lng=en-gb</a> </li> </ul>
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<b>Courses</b>	N/A
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### 3. International educational resources

In addition to the educational resources in DARIAH-FI, further training and teaching offered by other organizations that could be relevant to using the facility can be found in the links detailed below (Table 2).

<b>Digital Humanities Course Registry</b>	Platform providing an overview of the DH teaching activities worldwide (includes nine courses by DARIAH-FI partners): <a href="https://dhcr.clarin-dariah.eu/">https://dhcr.clarin-dariah.eu/</a>
<b>DARIAH-CAMPUS</b>	Platform hosting learning resources from DARIAH-EU and its members: <a href="https://campus.dariah.eu/">https://campus.dariah.eu/</a>
<b>SSH Open Marketplace</b>	Discovery portal pooling and contextualizing resources for SSH research communities: <a href="https://marketplace.sshopencloud.eu/">https://marketplace.sshopencloud.eu/</a>
<b>#dariahTeach</b>	Platform providing open educational resources for digital arts and humanities educators and students: <a href="https://teach.dariah.eu/">https://teach.dariah.eu/</a>
<b>CLARIN Learning Hub</b>	Platform containing open educational resources for research based on language resources: <a href="https://www.clarin.eu/content/learning-hub">https://www.clarin.eu/content/learning-hub</a>
<b>Programming Historian</b>	Open educational resource offering novice-friendly, peer-reviewed tutorials for humanists: <a href="https://programminghistorian.org/">https://programminghistorian.org/</a>
<b>The Carpentries</b>	Network of instructors teaching coding and data science skills for researchers worldwide: <a href="https://carpentries.org/">https://carpentries.org/</a>

**Table 2.** International educational resources.

## 4. Going forward

When comparing the 2022–2023 and the 2024–2025 funding periods, one can confirm that the state of digital humanities and computational social sciences training in Finland (including the educational resources in DARIAH-FI) has **improved**. Overall, there are more educational resources related to the deliverables available, more courses across the universities in digital humanities and computational social sciences offered, and more events to engage with the Finnish SSH community organized. Despite these promising advances, there remains a need to provide these educational resources more systematically and less on demand across the local offices.

Likewise, there is a need to scale up these educational resources from the local offices to the national level. DARIAH-FI will explore how to approach this issue in the coming years, including finding new ways of making the facility known. Some ideas put forward by the local offices include the creation of self-learning online materials or reaching out to teachers who would be interested in the tools and datasets offered by DARIAH-FI.

For the 2026–2029 funding period, DARIAH-FI and FIN-CLARIAH more generally will focus on significantly **upgrading the SSH infrastructural support using large language models (LLMs) and AI**. An important aim of the project is to develop a common practice for utilizing LLMs and AI for assisting SSH researchers to speed up various stages of the research process.

In this context, some of the local offices of the facility anticipate a need for more knowledge of AI usage policies (e.g., what materials can be offered from a legal perspective) and a need for more training materials on topics such as AI in science, AI in computing, trustworthy AI and AI and RDM. Therefore, in addition to developing existing educational resources (e.g., improving the Semantic Web course, see section 2.1), some of the plans for 2026–2029 include:

1. Circulating and discussing the Finn-ARMA guidelines for social media research
2. Increasing community engagement actions, including:
  - a. Guest lectures in already established courses from the local offices
  - b. Training workshops and seminars for short-term education (e.g., on the use of LLMs in research)
3. Scaling up research data management training in relation to LLMs and AI
4. Organizing a National Digital Humanities Hackathon
5. Offering new courses related to data-intensive SSH, including:
  - a. A new methodological course for students interested in DH (JYU) – where students with no coding background will be able to join
  - b. A new MOOC on using archive materials (NAF, UEF) – where the main objective is to learn how to navigate and understand this kind of data, but the role of digital tools will also be included in the course
  - c. A new master's degree programme in game studies (JYU):  
<https://www.jyu.fi/en/study-with-us/masters-degree-programmes/masters-degree-programme-in-game-studies>

### Contact details

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