



HELDIG

Digital Humanities Summit 2017



Opening the Summit 2017

Prof. Eero Hyvönen, Director

University of Helsinki, Faculty of Arts, HELDIG
Aalto University, Semantic Computing Research Group (SeCo)

<http://heldig.fi>, <http://seco.cs.aalto.fi>
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230

Welcome!



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83

Thanks!

Programme

<http://heldig.fi/summit-2017>

Time	Topic Area	Chair
9:00-9:15	Opening	
9:15-10:00	HELDIG Faculties at the University of Helsinki	Eero Hyvönen
10:00-10:30	COFFEE	
10:30-11:35	Libraries, archives, and Museums	Mikko Tolonen
11:35-12:30	LUNCH (on your own)	
12:30-13:30	Other Public Organizations	Jouni Tuominen
13:30–14:30	Research, Services & Applications 1	
14:30-15:00	COFFEE	
15:00–17:00	Research, Services & Applications 1	Eetu Mäkelä
17:00-19:00	Networking: Posters & Demos with Nibbles & Drinks	2. floor below!

HELDIG

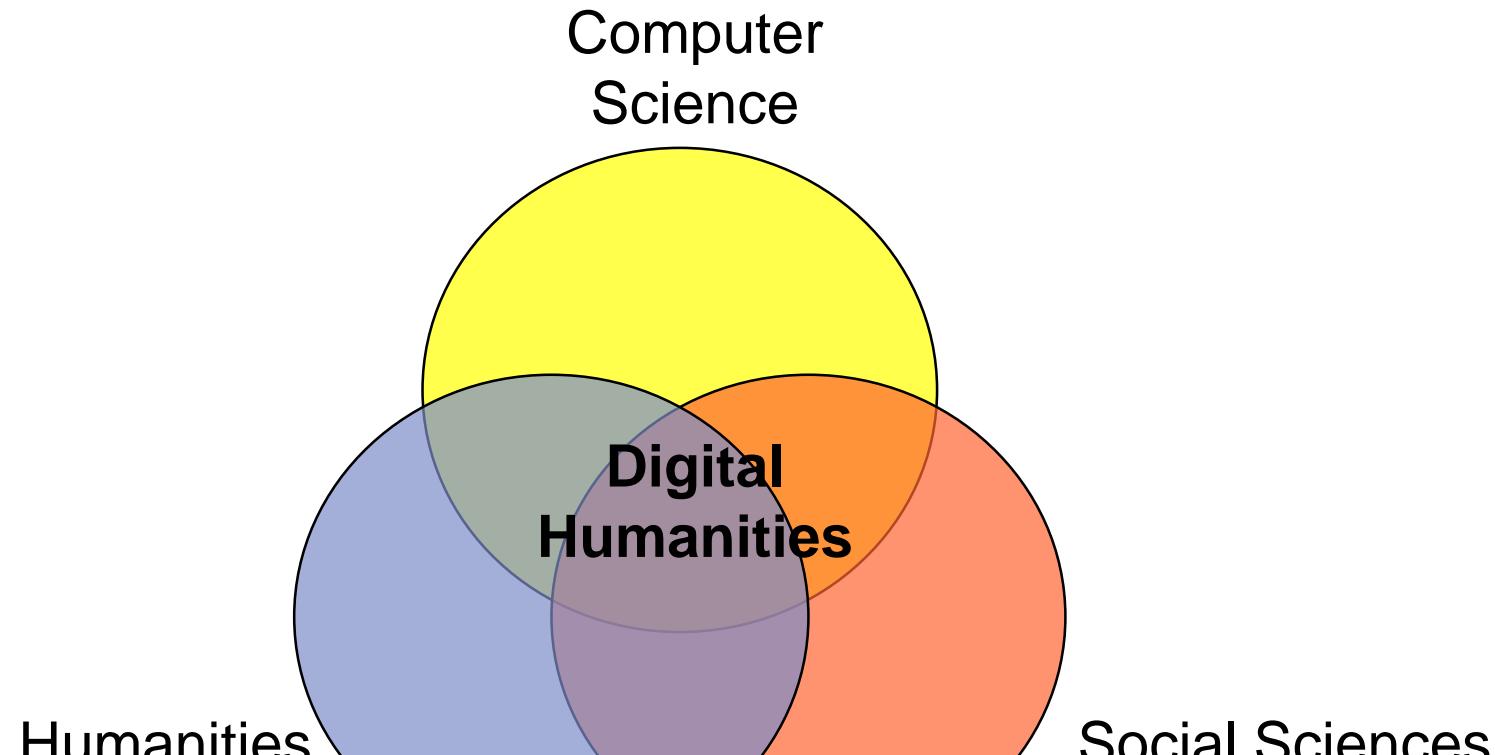
From Vision to Reality

First year of activity

Prof. Eero Hyvönen, Director

University of Helsinki, Faculty of Arts, HELDIG
Aalto University, Semantic Computing Research Group (SeCo)

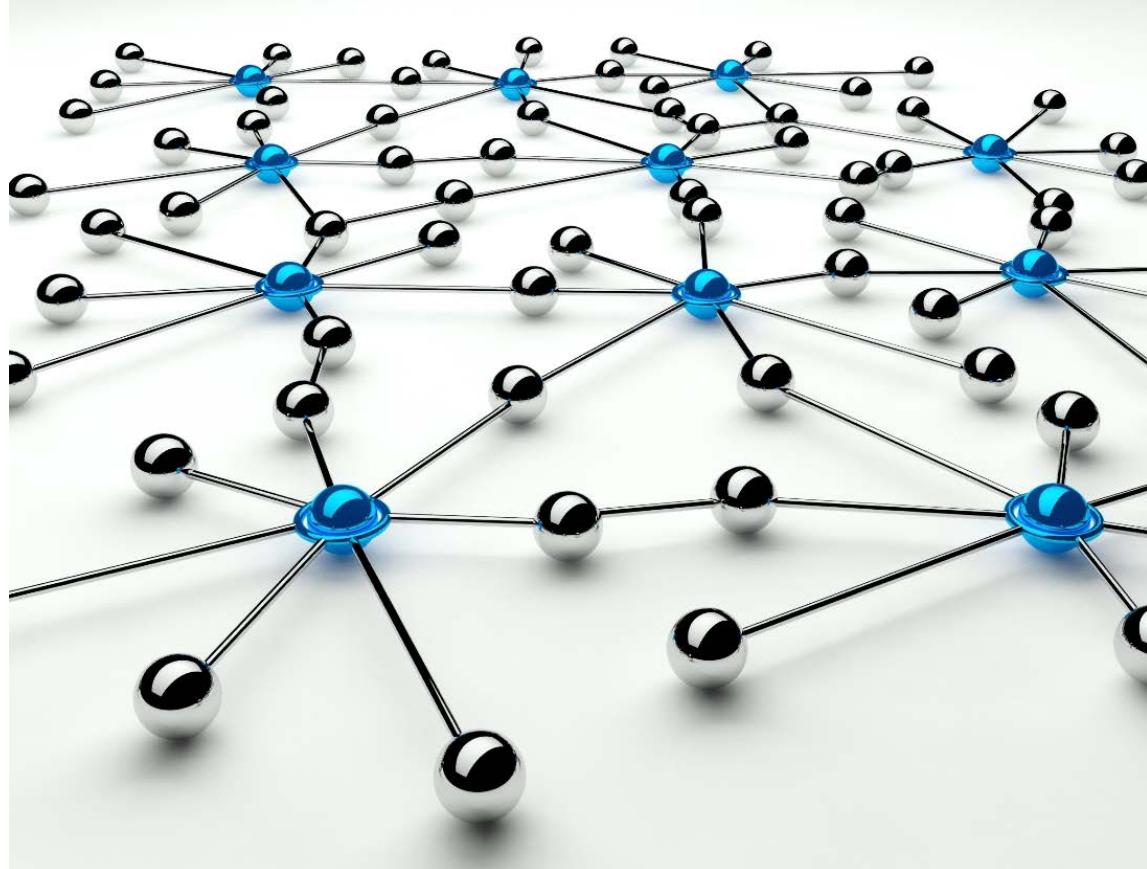
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1. Use & develop computational methods in H & SS
2. Study digitalization as a phenomenon

HELDIG Vision

Helsinki area will be a leading international hub of Digital Humanities research, education, and development in 2020



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7 HELDIG Faculties, 8 New Professor Chairs

1. Faculty of Arts (coordinator)
2. Faculty of Behavioural Sciences
3. Faculty of Biological and Environmental Sciences
4. Faculty of Law
5. Faculty of Science
6. Faculty of Social Sciences
7. Faculty of Theology



New Professors

- Prof. Krista Lagus (digital social science)



- Prof. Eetu Mäkelä
(digital humanities and global interaction)



- Prof. Minna Ruckenstein
(digital innovations and consumer society)



- Prof. Petri Ihantola (big data learning analytics)



- **Remaining chairs to be filled soon!**
 - Algorithmic data science for SSH applications (decided)
 - Legal research on digitalization
 - Religion and the digital world
 - Russian big data methodologies

- HELDIG Coordinating Researcher
Dr. Jouni Tuominen



HELDIG Network

- Core at University of Helsinki
- Aalto University and University of the Arts
- Other Finnish research organizations
- Memory Organizations
 - **Libraries:** National Library, Public Libraries
 - **Museums:** National Board of Antiquities, City Museums, ...
 - **Archives:** National Archives, SKS, SLS
- Media organizations
- Companies
- EU Research Infrastructure Initiatives
 - CLARIN, DARIAH
- International Collaborations, ...



Developing the Digital World Together



Helsinki Centre for Digital Humanities

<https://www.helsinki.fi/en/helsinki-centre-for-digital-humanities> 90%

 HELSINKI CENTRE FOR DIGITAL HUMANITIES FLAMMA UNIVERSITY OF HELSINKI SUOMI SVENSKA

STRATEGY COMMUNITY INFRASTRUCTURE TEACHING EVENTS CONTACT SUMMIT 2017 DHN 2018



HELDIG

Helsinki Centre for Digital Humanities

HELDIG is a Finnish research network and infrastructure for solving research problems in humanities and social sciences with novel computational methods, and for studying digitalization as a phenomenon. HELDIG also supports education in Digital Humanities and application development. Initiated as a major strategic profiling initiative at the University of Helsinki, our goal is to form a research ecosystem that fosters collaboration between academic research groups, memory organizations, companies, and the general public. Join HELDIG! Subscribe the HELDIG Twitter feed and join our public HELDIG Facebook group below!

<http://heldig.fi>

Join Open Facebook Group!

https://www.facebook.com/groups/1697627697233461/

Eero Home Find Friends

HELDIG - Helsinki Centre for Digital Humanities

HELDIG - Helsinki Centre for Digital Humanities

Public Group

Discussion

Members

Events

Photos

Files

Group Insights

Manage Group

Joined Notifications Share ...

Write Post Add Photo/Video Live Video More

Search this group

Write something...

Photo/Video Poll Feeling/Activity ...

ADD MEMBERS

+ Enter name or email address...

MEMBERS 337 Members (25 new)

Chat (11)



Total Members

Sep 16, 2017 - Oct 13, 2017

337 Members



337
Total Members
+18%



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Aalto University



Metsätalo



**NEWS
FLASH**

HELDIG New HQ at Metsätalo, 1st Floor

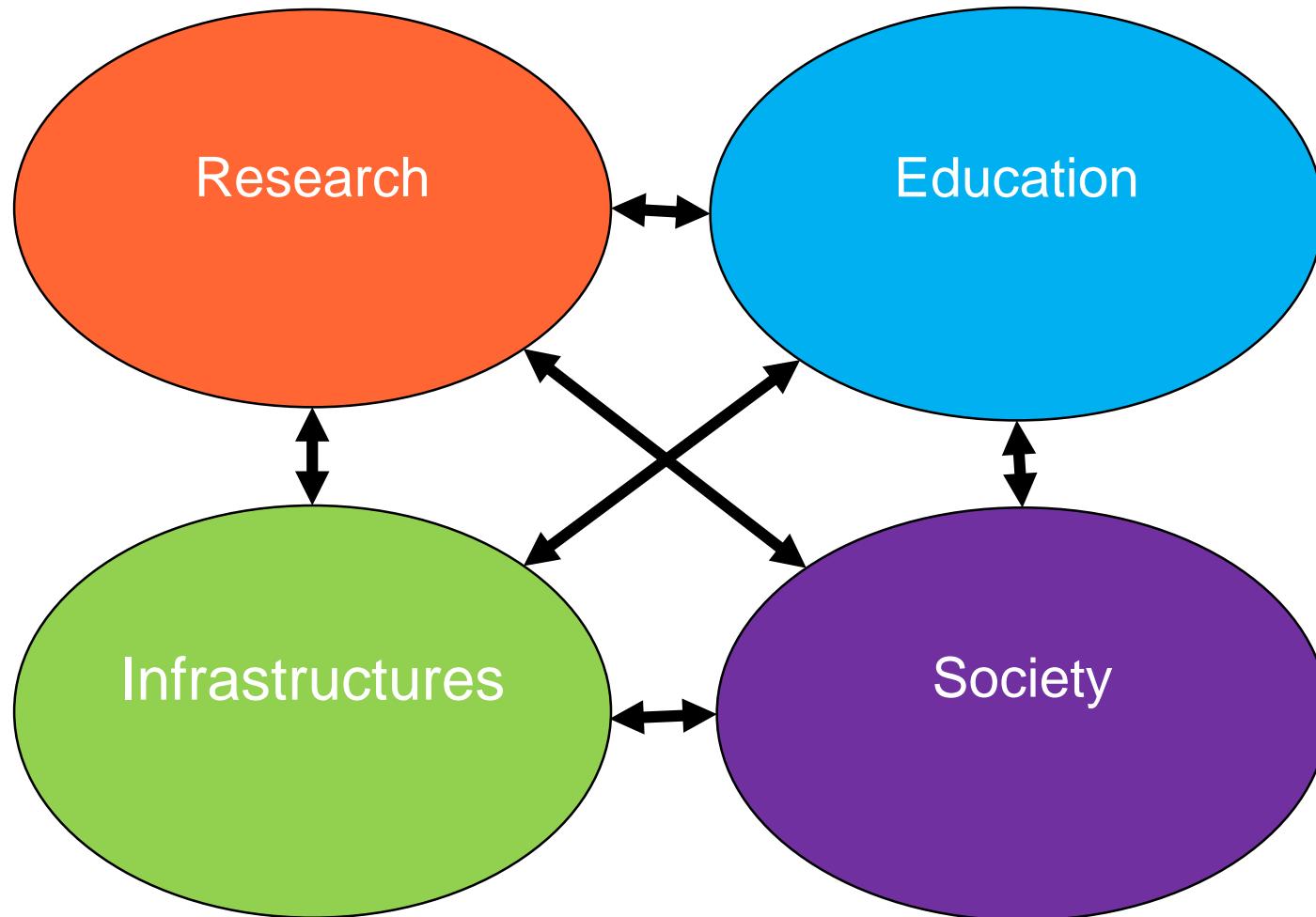


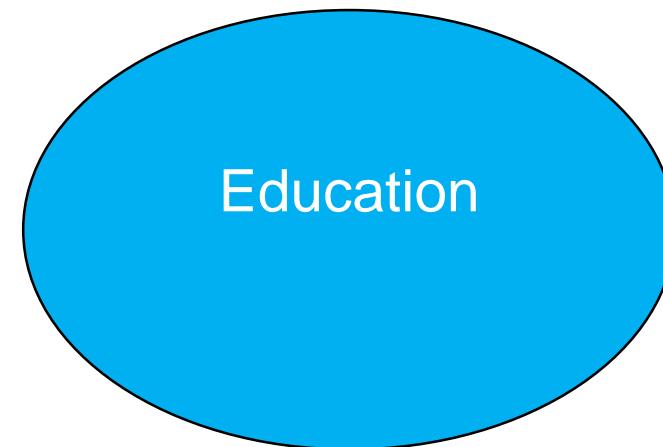
Faculty of Arts: New Department of Digital Humanities 1.1.2018-



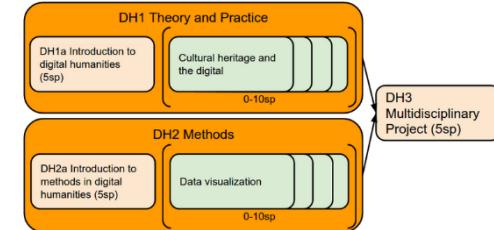
1. Department of Philosophy, History and Art Studies
2. Department of Languages
3. Department of Cultures
4. Department of Finnish, Finno-Ugrian and Scandinavian Studies
5. Aleksanteri Institute
6. **Department of Digital Humanities**

Mission: HELDIG Strategic Areas





- Digital Humanities Curricula at UH
- HELDIG Digital Humanities Forum
 - Lifelong learning for researchers
- Learning materials
 - MOOCs, online learning materials
 - Articles, text books etc.
- Hackathons
 - Digital Humanities Hackathon (5/2017)
 - Hack the Law (by Legal Tech Lab) (10/2017)
- Events & conferences



Welcome to Linked Data School LinDa

Course Materials

1. Linked Data: the Idea and Technology
2. Transforming Data into Linked Data
 - a. Create an RDF triple
 - b. Create an RDF graph
 - c. Transform Data into a knowledge graph
 - d. RDF, OWL, and a Knowledge Graph
3. RDF Data Examples
 - a. Prefixes
 - b. Metdata Selection from Text
4. Data Cleaning
5. Data Linking
6. Data Publishing
 - a. Publishing New Triplets by Rdf
 - b. Environment using SPARQL
7. RDF Statistics
8. Data Provenance
9. Linked Data Publication
10. Using Linked Data in Applications
 - a. Using SPARQL in Applications

Topic Description and Motivation

Web of Data is a global ecosystem in which data is published machine readable on the web as semantic interlinked networks. As a result, data can be easily combined and used by machines and humans. This allows for the creation of highly interoperable web applications for humans on the World Wide Web (WWW) of interlinked web pages that can be created in a cost-efficient way. The emerging Semantic Web has been developed to make data more machine readable and there are lots of linked data repositories, publishing frameworks, and services available to be used, most of them openly. The emerging semantic technology has been applied in various domains and also many application fields have been developed. In this course we will introduce the basic concepts of the Semantic Web and show how they can be used in various application fields, such as Digital Humanities, the idea of reusing existing and enriching data for a semantically well-defined purpose. We will also discuss the challenges of the application areas, such as interoperability, and knowledge representation. A reader for even further exploration of the new area will be provided. The course has learning materials targeted for not only professional programmers but also students, researchers, or data analysts, researchers, and application developers in various application fields dealing with data.

Learning Goals



HELDIG Digital Humanities Forum Wants you

HELDIG
Helsinki Centre for Digital Humanities



**WE'RE
HIRING!**

(Contact Eero Hyvönen or Jouni Tuominen at HELDIG)

[Photo: Timo Väänänen]

HELDIG Related Events 2016-2017

<http://heldig.fi/events>

2016



- Dec 1-2, 2016: [Building and Using Language Technology \(BAULT\) Symposium](#)
- Dec 2, 2016: [Kvantihistoria-symposium](#)
- Nov 30-Dec 1, 2016: [#PHOS16 Philosophy and History of Open Science](#)
- Nov 11, 2016: [#HelsinkiDH Seminar: eTRAP project on text reuse and intertextuality](#)
- Nov 10, 2016: [Read työpaja](#)
- Oct 5, 2016: [Heldig Kick-off Symposium](#)
- Aug 22-24, 2016: [Digitaalisen tiedon kesäkoulu](#)
- May 16-20, 2016: [Digital Humanities Hackathon 2016 \(#DHH16\)](#)
- Apr 20, 2016: [Digital Humanities in Cultural Heritage Research](#)

2017

- Oct 18: [HELDIG Digital Humanities Summit 2017](#)
- Aug 18-19: [Second International Workshop on the History of Speech Communication Research – HSCR 2017](#)
- Aug 16-17: [Digitaalisen tiedon kesäkoulu](#)
- May 15-19: [Digital Humanities Hackathon 2017](#)
- May 31: [Never Mine the Mind? Symposium on computational approaches to intellectual history and the history of philosophy](#)

<http://heldig.fi/dhn-2018>

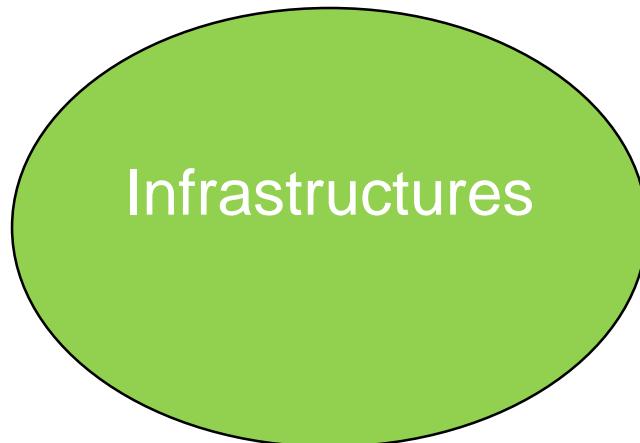
Keynote speakers

DHN 2018

**Digital Humanities in the Nordic Countries
3rd Conference
7–9 March 2018, Helsinki**



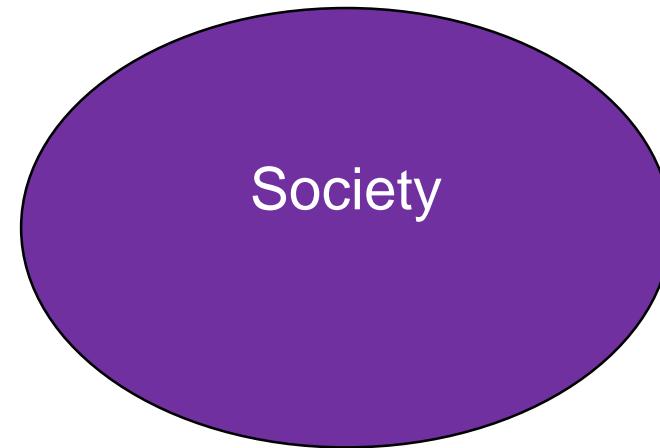
Call for Papers is Open Oct 25th ...



Infrastructures

- Language Technology
- Corpus Linguistics
- Vocabularies and Ontologies
- Cultural Heritage Linked Open Data
- Law (Semantic Finlex)
- EU Level Infrastructures: CLARIN & DARIAH



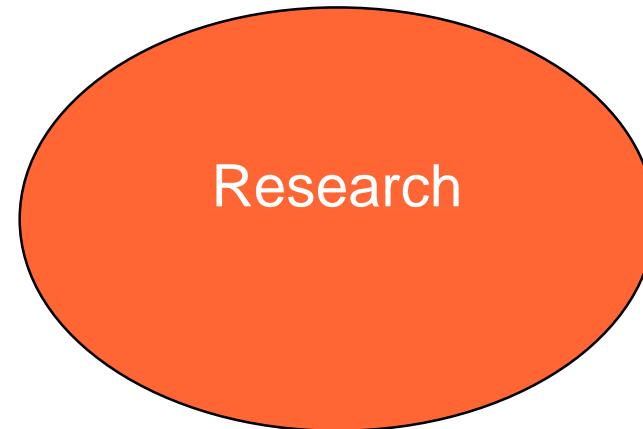


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- Open Data
- My Data
- Open Science
- ...





Welcome to Hear 83 Views of Digital Humanities in one Day!

“Developing the Digital World Together”



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Session 1

Time	Topic	Presenter(s)	Affiliation(s)
9:00-9:15	Opening of the Summit		
	Helsinki Centre for Digital Humanities (HELDIG): From Vision to Reality	Eero Hyvönen	University of Helsinki (HELDIG); Aalto University, Dept. of Computer Science (SeCo)
9:15-10:00	HELDIG Faculties at the University of Helsinki	Presentations of Faculties	Chair: Eero Hyvönen
1	Data Science, Computational Creativity, and Digital Humanities	Hannu Toivonen	University of Helsinki, Dept. of Computer Science
2	Applications of Language Technology to Digital Humanities at Dept. of Computer Science	Roman Yangarber	University of Helsinki, Dept. of Computer Science
3	Activities at the Centre for Research Methods	Reijo Sund	University of Helsinki, Faculty of Social Sciences
4	Citizen Mindscape: Experiences on Opening Data	Mika Pantzar and Jussi Pakkavirta	University of Helsinki, Faculty of Social Sciences; Faculty of Arts
5	Introduction to Open Data Science - a MOOC for Every Digital Humanist to Attend	Kimmo Vehkalahti	University of Helsinki, Faculty of Social Sciences
6	Digitalization and Law: Activities at the Legal Tech Lab	Riikka Koulu	University of Helsinki, Faculty of Law, Legal Tech Lab
7	Cultivating Social-creative Knowledge Practices: Educational Transformations in the Digital Age	Kai Hakkainen	University of Helsinki, Dept. of Educational Sciences
8	FIN-CLARIN: New and Updated Tools and Resources	Krister Lindén	University of Helsinki, Faculty of Arts
9	Finnish Term Bank in Arts and Sciences as a Niche-sourcing Enterprise and Digital Resource	Johanna Enqvist and Tiina Onikki-Rantajääskö	University of Helsinki, Faculty of Arts
10:00-10:30	Coffee Break		