



Digital Humanities in Action

Sampo Model and Portals for Cultural Heritage

Welcome

PROGRAMME

13:00-13:15 Vision, History, and Realization

1. [Creating the Sampo Model and Sampo Series of Semantic Portals](#)

Eero Hyvönen, HELDIG and Aalto
[video](#), slides (to appear)

13:15-14:00 Infrastructure and Tools

Chair: Mikko Koho

1. Linked Open Data Infrastructure for Digital Humanities in Finland ([LODI4DH](#))

Jouni Tuominen, HELDIG and Aalto
slides (to appear)

2. [Extracting Knowledge from Finnish Texts](#)

Minna Tamper, HELDIG and Aalto
slides (to appear)

3. [Sampo-UI Framework](#) for Semantic Portal Interfaces

Esko Ikkala, Aalto
slides (to appear)

14:00-14:10 Coffee Break

14:10-15:25 Forging Ten New Sampos I

Chair: Jouni Tuominen

1. [BiographySampo](#) - Biographies on the Semantic Web
Eero Hyvönen, HELDIG and Aalto, and Kirsi Keravuori, Finnish Literature Society (SKS)
[slides](#) (PDF), [video](#)
2. [NameSampo](#) - Workbench for Toponomastic Research
Esko Ikkala, Aalto, and Helinä Uusitalo, Institute for the Languages of Finland (Kotus)
slides (to appear)
3. [WarVictimSampo 1914-1922](#) - Finnish Civil War on the Semantic Web
Heikki Rantala, Aalto, and Ilkka Jokipii, National Archives
slides (to appear)
4. [HistorySampo](#) - A Finnish Time Machine
Heikki Rantala, Aalto
slides (to appear)
5. [AcademySampo](#) - Finnish Academic People 1640-1899
Petri Leskinen, Aalto
[video](#), slides (to appear)

Short Coffee Break

15:35-16:50 Forging Ten New Sampos II

Chair: Eero Hyvönen

1. [FindSampo](#) - Archaeological Finds of Metal Detectorists
Mikko Koho, HELDIG and Aalto, and Ville Rohiola, Finnish Heritage Agency
slides (to appear)
2. [LawSampo](#) - Finnish Legislation and Case Law on the Semantic Web
Minna Tamper, HELDIG and Aalto, and Aki Hietanen, Ministry of Justice
slides (to appear)
3. [ParliamentSampo](#) - Finnish Parliament on the Semantic Web
Jouni Tuominen, HELDIG and Aalto, and Päivikki Karhula, Parliament of Finland
slides (to appear)
4. [MMM](#) - Mapping Medieval and Renaissance Manuscript Migrations
Mikko Koho, HELDIG and Aalto, and Toby Burrows, University of Oxford
slides (to appear)
5. [LetterSampo](#) - Historical Letters on the Semantic Web
Petri Leskinen, Aalto
[video](#), slides (to appear)

16:50-17:00 Discussion and Conclusions



Creating the Sampo Model and Series of Semantic Portals for Digital Humanities

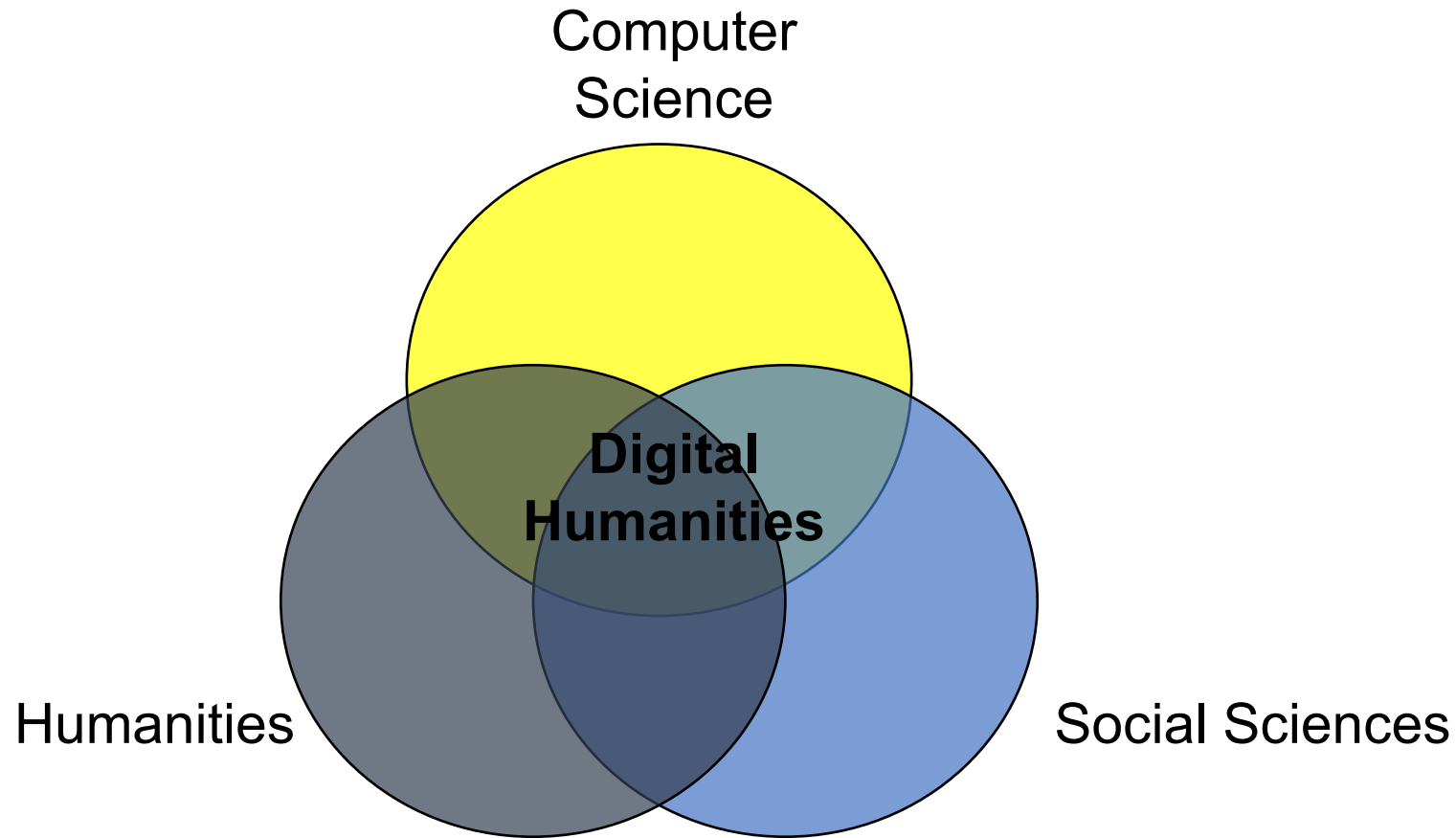
Prof. Eero Hyvönen, Director
Helsinki Centre for Digital Humanities (HELDIG)
University of Helsinki and Aalto University
Semantic Computing Research Group (SeCo)
<http://seco.cs.aalto.fi/u/eahyvone/>



Contents

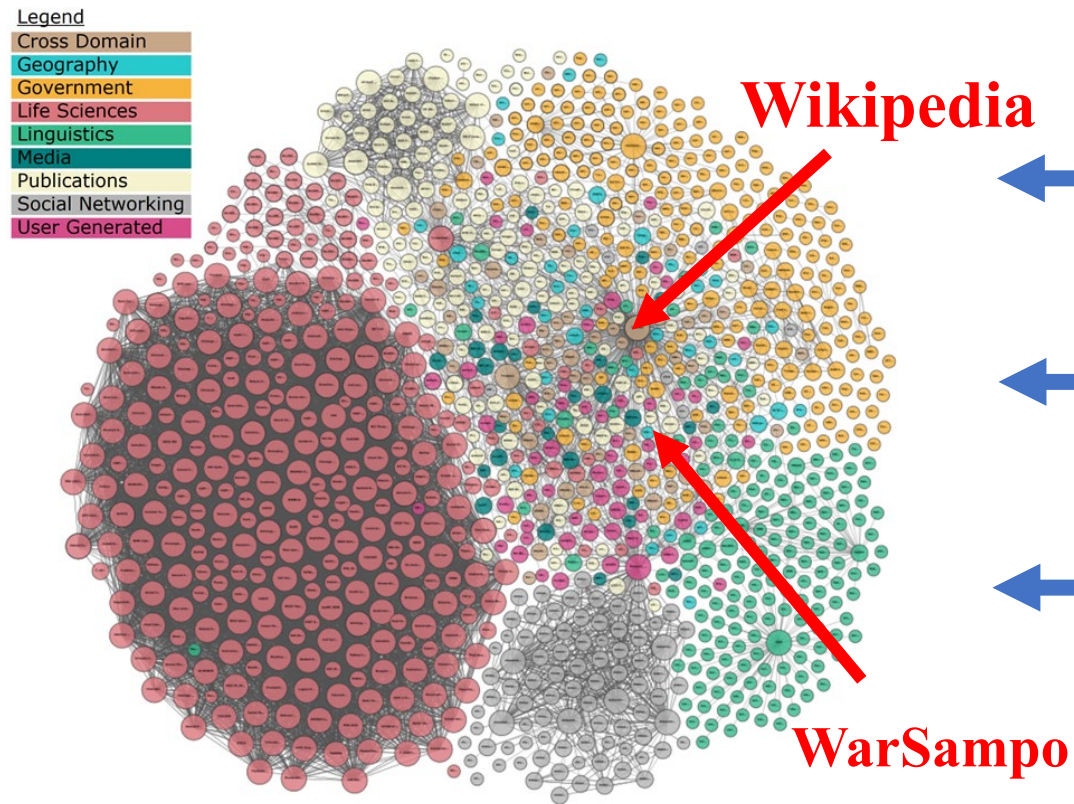
- **What & Why: Semantic Web and AI for Digital Humanities?**
- **Linked Open Data Infrastructure and Sampo Portals**
- **Main Takeaway: Sampos Illustrate a Paradigm Shift in 20 years**
 - From text publishing to serendipitous knowledge discovery and AI
- **Questions and Answers**

What Is **Digital Humanities**?



What is **Linked Open Data** & **Semantic Web**?

Human Knowledge on the Web:
"**Web of Data**" for machines



Linked Open Data Stats 2018 (<http://stats.lod2.eu/>):
10 000 datasets, 150 billion triples

Traditional Web
"**Web of Pages**" for humans



Google Index (2018):
50 billion pages (excluding hidden web)

Why Linked (Open) Data?

- Enriching everybody's data collaboratively from separate silos
 - Everybody wins by collaboration!
- Creating Findable, Accessible, Interoperable, Re-usable data
 - The value of data increases!
- Creating more intelligent applications for the public, curators, and researchers
 - The machine “understands” linked data!

FAIR



<https://www.go-fair.org/fair-principles/>



The Semantic Web and AI for Digital Humanities



<https://vimeo.com/470313703>
<https://vimeo.com/462949444>



