The Nordic Hub of DARIAH-EU: A DH Ecosystem of Cross-Disciplinary Approaches

Panel at Second DHN Conference, Gothenburg, 14-16 March 2017

Koraljka Golub & Marcelo Milrad, Linnaeus University
Marianne Ping Huang, Aarhus University
Mikko Tolonen, University of Helsinki
Andreas Bergsland, Norwegian University of Science and Technology
Mats Malm, University of Gothenburg
• Nordic Hub growing

• Full partner
  • Denmark

• Collaborative partners – all since 2016
  • Norway: Norwegian University of Science and Technology
  • Finland: University of Helsinki
  • Sweden: Linnaeus University
Panel presentations (30 min)

• Nordic and European initiatives
  • DARIAH-EU (Marianne Ping);
  • DHN (Mats Malm)

• Digital Humanities Centres
  • University of Gothenburg (Mats Malm)
  • University of Helsinki (Mikko Tolonen)
  • Linnaeus University (Koraljka Golub)

• Disciplinary focus (arts)
  • Norwegian University of Science and Technology (Andreas Bergsland)
Discussion topics (60 min)

1. Potential for cross-university collaboration at the Nordic level

2. Emerging job market

3. Sustainability
   • How to promote a dialogue and collaboration with potential industrial partners in order to run collaborative projects that go beyond just research

4. Epistemological, conceptual and terminological differences in approaches by the different disciplines and sectors
   • How to address the challenges
DARIAH-EU
Marianne Ping
our notion of infrastructures is changing from an understanding of infrastructure as only technology and facility to an understanding of infrastructure as networked and participatory knowledge creation and sharing
DARIAH EU BRIEF HISTORY

• **2006**: DARIAH @ ESFRI Roadmap

• **2008 – 2011**: Preparatory Phase

• **2011 – 2013**: Transition Phase
  establishing the DARIAH-ERIC

• **2014**: DARIAH-ERIC

• **2014-2018**: Construction Phase

• **2019+:** Operational Phase
DARIAH EU JOINT RESEARCH

VCC 1 – e-Infrastructure
1. A+H Infrastructure Services
2. A+H Research Environment demonstrators
3. A+H Service Environment
4. Data Federation and interoperability
5. Developer community
6. Preservation Infrastructure
7. Reference Software Packages

VCC 2 – Research & Education
1. Community engagement
2. Training and Education Programme
3. Understanding research practices

VCC 3 – Scholarly Content Management
1. Best Practices and Open Access
2. Curation
3. Dissemination and Digital Publishing
4. Enrich digital scholarly content
5. Reference Data Registries

VCC 4 – Advocacy, Impact & Outreach
1. Ensuring capacity in DARIAH
2. Ensuring Participation in DARIAH
3. High-level Advocacy
4. Impact and value
5. Outreach
Working Groups

Working groups are joint activities in DARIAH. They are self-organised and work that is defined by DARIAH's Virtual Competence Centers.

Their activities are complementary to individual contributions from DARIAH member groups always have a certain purpose: They lead to services for the community, scholarly, technical, editorial or organisational. This means, they contribute to extending the DARIAH infrastructure.

Overview of DARIAH working groups

Below you find a list of DARIAH working groups, which have been approved by the Senior Management Team (SMT). Click on the names to find basic information on contact points to get in touch with the groups.

- **Text and Data Analytics**
  The working group “Text and Data Analytics” aims at developing and demonstrating methodologies for applying natural language processing to humanities research questions.

- **Meta-Registry: An Integrated Registry Service**
  The working group “Meta-Registry” aims at providing an overview of registries in the humanities.

- **Visual Media and Interactivity**
  The Working Group on Visual Media and Interactivity builds a contact point for DARIAH members that are interested in the use of visual media and interactivity.

- **WG Defining Cloud Infrastructure Services for DH**
  The WG aims to minimize the gap between the needs of Arts and Humanities research and cloud- and grid services as offered by different providers.

- **FIM4D: Federated Identity Management for DARIAH**
  The WG aims at disseminating information about an Authorization Infrastructure (AAI), which has been set up within DARIAH-DE.

- **Training and Education**
  The WG aims to provide a training program for researchers in the methods, tools, and approaches needed to engage with the digital environment.
DARIAH NORDIC HUB – ONE OF 3 REGIONAL HUBS

- EXPLORING A REGIONAL PROFILE AND FORMING THE REGIONAL ECOSYSTEM
- COLLABORATION BETWEEN COMMUNITIES AND INSTITUTIONS ON THE TRANSNATIONAL LEVEL
- A MESO LEVEL OF CONCRETE ACTIONS ON A REGIONAL ROAD MAP
- CONNECTING INTERNATIONALLY
• New research practices, new research fields
• Open education and training

• Developing and retaining multi-ranked talents
• Enhancing employability and ‘sticky’ jobs

• Enabling civic society and communities
• Forming new partnerships
• Enhancing open innovation
SUGGESTED DARIAH NORDIC ACTIONS

• INVESTIGATING FOR A REGIONAL ROAD MAP
  best practices in the Nordic region

• CO-CREATING EDUCATION & TRAINING
  - DHN SIG
  - TRAINING FORMATS & SUMMER SCHOOLS
  - OPEN PLATFORM FOR BLENDED EDUCATION
  - CONNECTING TO EDUCATION SCIENCE

• FACILITATING FOR SELECT RESEARCH LENSES FOR ‘THE BIG TENT’

• FORGING COLLABORATION ACROSS RI’S

• CROSS SECTORAL COLLABORATION: HUMANITIES HE + GLAM + SME
DARIAH EU 2017

• DARIAH ANNUAL THEME 2017
  Cultural Heritage and Humanities Research
  http://dariahtheme2017.sciencesconf.org/
  Application by April 15

• DARIAH INNOVATION FORUM & PUBLIC HUMANITIES
  Aarhus Nov 1-4 2017
  Call for contributions by April
Thank you
DH at University of Gothenburg

Mats Malm
University of Gothenburg Strength Areas (Humanities):

Language Technology – Swedish Language Bank

Centre for Critical Heritage Studies

→ Digital Humanities

• Humlab Umeå
• Humlab Lund
• CDH UGOT
Centre for Digital Humanities

The Centre for Digital Humanities (CDH) provides a platform for the exploration and application of the many opportunities and perspectives that emerge with digitalisation.

Read more.

News

Archive and Education Conference
[9 Nov 2015]

More news

Calendar

Digital Humanities in the Nordic Countries: Conference 14-16 March 2017
14 Mar at 1:00 PM [Conference]

To the calendar
Master's Programme in Digital Humanities, 120 higher education credits

We are in the midst of a digital revolution. New technologies mean new opportunities – but they also demand that we try to understand the roles of both humans and the technologies in the digital world. This is what experts in the humanities are good at. Get a degree in Digital Humanities and become part of shaping the future!

The Master's programme in Digital Humanities falls at the intersection of digital technologies and the central domains of the humanities. The programme enables you to explore both themes and issues in the humanities as well as digital technology in relation to contemporary society, culture and research.

You receive training in computer-aided research methods and digitisation of texts and images. These skills can be applied for example when making cultural heritage material digitally accessible, at the same time as you will have the critical competence needed to ask the important questions.

Thus, the field of Digital Humanities concerns the investigation of themes in
Current main projects:

Moravian Memoirs

Conjuring up the Artist from the Archives: Ivar Arosenius

Text Exploration: Congress Motions / Literature Bank

Gothenburg Cultures on the Town 1621-2021 (GPS400)
CLARIN

↓

SWE-CLARIN

CLARIAH?
DH at University of Helsinki

Mikko Tolonen
HELDIG - Helsinki Centre for Digital Humanities

Mikko Tolonen
University of Helsinki, Faculty of Arts, HELDIG

http://heldig.fii
mikko.tolonen@helsinki.fi
What is Heldig – Helsinki Centre for DH?

- Major strategic profiling initiative of the University of Helsinki
  - Goal: Foster Digital Humanities in 7 faculties
  - Funding: ca 10 MEUR: Academy of Finland and UH
  - Time: 2016-2020, then continuation
- Create new resources in UH
  - 8 new tenure track professors + personnel 2017-2020
- Coordinate existing DH resources in UH
- Network organization beyond UH
- **Door is open: Welcome to Heldig network!**
Heldig Faculties in UH

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
Research

- **Focus**
  - Computational methodologies and tools for DH
  - Studying digitalization as a phenomenon

- **Fostering Existing DH-related Research**
  - 64 UH professors mentioned in the Heldig application

- **New Professors**
  - 8 new tenure track professors in 7 faculties 2017-2020
  - Heldig director + research coordinator (2016-)
Tenure Track Research Areas

- Computational methodologies and tools for DH
  - digital humanities (additional tenure track position)
  - data analysis in humanities and social sciences
  - digital social science
  - digital innovations in consumer behavior
  - big data learning analytics

- Digital humanities and globalization
  - global interactions
  - religion and digital world
  - Russian big data methodology
  - legal research on digitalization
Heldig Network

- Core at University of Helsinki (Faculty of Arts leading)
- Aalto University and University of the Arts
- Other Finnish research organizations
- Memory Organizations
  - Museums: National Board of Antiquities, City Museums, …
  - Archives: National Archives, SKS, SLS
- Media organizations
- Companies, …
- EU Research Infrastructure Initiatives
  - CLARIN, DARIAH
- International Universities, …
Education

- Helsinki DH Minor

  - DH1 Theory and Practice
    - DH1a Introduction to digital humanities (5sp)
    - Cultural heritage and the digital
    - 0-10sp

  - DH2 Methods
    - DH2a Introduction to methods in digital humanities (5sp)
    - Data visualization
    - 0-10sp

  - DH3 Multidisciplinary Project (5sp)

- Towards Helsinki DH Major …
Infrastructures

What?
- Data production & publication
- Tooling for DH research
- Foster Open Data and Open Source

How?
- International collaborations
- Own development
  - Continue work at Aalto and UH on Linked Open Data infras
    » FinnONTO 2003-2012, Linked Data Finland 2012-, Linked Open Science 2015-
  - Language technology (e.g., FIN-CLARIN, VARIENG), historical data, data mining, visualization, knowledge discovery etc.
Heldig Events 2016-2017
http://heldig.fi

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

2018: Nordic Digital Humanities Conference?
Summary

- Heldig is a new major strategic initiative at UH
- Based on DH activities at Faculty of Arts
- Networking in UH and beyond
- Various new activities underway
More Info about Heldig:

http://heldig.fi
DH at Linnaeus University

Koraljka Golub
Digital Humanities Initiative at LNU

• [https://lnu.se/en/digihum/](https://lnu.se/en/digihum/)
• Why: address societal challenges

• How: Research + Education + Network
  • Cross-sectoral
  • Cross-disciplinary
  • International

• Research
  • 10 pilots in 2016
  • Funding received for 2017 “Creating attractive information landscapes for cultural events”
  • DISA [https://lnu.se/disa](https://lnu.se/disa)

• Network
  • 110 members in the network as of today
  • 42 from LNU, 12 departments
  • IEC with over 200 IT companies
  • GLAM in the region and abroad
  • Academic members from 16 countries on 4 continents
  • DARIAH-EU

[Digital Humanities Initiative at LNU](https://lnu.se/en/digihum/)
Current concept of the Master in DH

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<th>FIRST YEAR</th>
<th>Second Year</th>
<th>Digital Humanities Research Methods (7.5 credits)</th>
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<td>Humanities for Technologists (15 credits) or</td>
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Programming for Digital Humanities
now open for registration!
Disciplinary focus (arts)

Andreas Bergsland
The arts’ place within Digital Humanities

4Es

Education, Exposition, E-infrastructure, Exploration

Knowledge for a better world

Andreas Bergsland
ARTEC/Program for Music Technology
Norwegian University of Science and Technology (NTNU)
Art and Technology Task Force

- Conversation across disciplines
- Collaboration
- Change discourse about learning, creating and researching
- Combine methods
- Critical to technocracy and market-based thinking
Education

http://orchestraofspeech.com/
Exposition
E-infrastructure
E-infrastructure
Exploration (critical) Exploration
Discussion topics
Discussion topics (60 min)

1. Potential for cross-university collaboration at the Nordic level

2. Emerging job market

3. Sustainability
   - How to promote a dialogue and collaboration with potential industrial partners in order to run collaborative projects that go beyond just research

4. Epistemological, conceptual and terminological differences in approaches by the different disciplines and sectors
   - How to address the challenges