DARIAH-EU and ARTEC
Adding a unique feature to the profile of NTNU

Hanne Siri Sund
on behalf of
Prof. Andrew Perkis,
Dr. Techn., MTM,
Faculty of Information Technology and Electrical Engineering
• Who is Andrew Perkis?
  Professor at Department of Electronic Systems, Signal Processing group, NTNU Trondheim

• What does he do?
  – Sensor based digital storytelling
  – Mono disciplinary: Compression, sensor technology and quality modelling and assessment
  – Interdisciplinary: Content, creativity, societal engagement, reflections and dissemination

• Relevance
  – Director NTNU ARTEC
  – Scientific representative DARIAH NTNU
DARIAH’s vision is to enhance and support digitally-enabled research across the arts and humanities, and to facilitate the provision of services and activities for the digital arts and humanities research community in Europe and beyond.

https://www.ntnu.edu/dariah/
How does DARIAH work?

• A network
• Currently 17 European countries
• Provide digital tools and share data as well as know-how
• Organize learning opportunities for digital research methods
• Offer training materials for Digital Humanities

https://www.ntnu.edu/dariah/
DARIAH-EU is an ERIC

ERIC = European Research Infrastructure consortium
• Part of *The European Strategy Forum on Research Infrastructures* (ESFRI)

CERN – Particle accelerators   Technology innovations

Libraries - Archives and data   Social innovations

Cultural innovations

Currently 16 ERICs
3 in humanities

https://www.ntnu.edu/dariah/
About NTNU

- NTNU merged with the University Colleges in Gjøvik, Sør-Trøndelag and Ålesund in 2016.
- Broad study offerings
  - technological
  - artistic
  - aesthetic
- Larger research groups
- Exciting and innovative

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NTNU’s vision: Knowledge for a better world
Through interdisciplinary cooperation, NTNU’s strategic research areas NTNU Energy, NTNU Health, NTNU Oceans and NTNU Sustainability address complex challenges of great importance for society.
ARTEC: Art and Technology task force

Host: Faculty of Humanities
Structure of ARTEC

NTNU Steering committee (IE, HF, AD), coordinated by Professor Anne Kristine Børresen

Director: Professor Andrew Perkis

Adressaparken | DARIAH | Kunsthall | NxtMedia/Technoport

Artist in Residence | H2020 | Cluster / Event /innovation

https://www.ntnu.edu/dariah/
ARTEC core members

Prof. Øyvind Brandtsegg (IM/HF)
Asoc. Prof. Andreas Bergsland (IM/HF)
Asoc. Prof. Ellen Foyn Bruun (IKM/HF)
Prof. Letizia Jaccheri, (IDI/IE)
Asoc. Prof. Hanna Musiol (ISL/HF)
Prof. Andrew Perkis, (IES/IE)
Prof. David Rych (KiT/AD)
Prof. Florian Schneider, (KiT/AD)
Assoc. Prof. Michelle Teran (KIT/AD)

https://www.ntnu.edu/dariah/
Why DARIAH at NTNU

- Defining digital humanities
  - Involvement in an emerging field
  - Evolution through engagement in technology
- Explore the potential of cross-disciplinary collaborations in the fields of art, humanities, and technology
  - Discuss research mind set versus research tools
- Cross sector collaborations to address societal challenges
  - Trans faculty collaborations

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Research Groups @ NTNU

- Majon Composer
- TypeCraft: The Interlinear Glossed Text Repository
- The Norwegian Colour and Visual Computing Laboratory
- NTNU ARTEC
- Enlightenment News
- media acts

www.ntnu.edu/dariah/
DARIAH @ NTNU

• Research collaborations and networking
  – Transdisciplinary research
  – Establish and maintain local research groups and networks
  – Joining Working Groups for international collaborations

https://www.ntnu.edu/dariah/
Engage by joining a Working Group

[https://www.dariah.eu/activities/working-groups-list/](https://www.dariah.eu/activities/working-groups-list/)

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<th>An integrated Registry Service for the Arts and Humanities</th>
<th>Guidelines and Standards</th>
<th>Thesaurus Maintenance</th>
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<td>Analyzing and linking biographical data</td>
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<td>CENDARI Sustain</td>
<td>Impact factors and success criteria</td>
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<td>Community Engagement</td>
<td>Lexical Resources</td>
<td>WG defining cloud infrastructure services for DH</td>
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<td>DARIAH Futures</td>
<td>MESO: Mediaevalist’s Sources; Sustainability</td>
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<td>Digital Annotation</td>
<td>Social Innovation</td>
<td>Digital Methods and Practices Observatory (DiMPO)</td>
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<td>FIM4D (Federated Identity Management for DARIAH)</td>
<td>Sustainable publishing of archival catalogues</td>
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<td>GeoHumanities</td>
<td>Text and Data Analytics</td>
<td>Women Writers in History</td>
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https://www.ntnu.edu/dariah/
DARIAH @ NTNU

• Seminars
• Experimental workshops
• Exhibitions
• H2020
  – Lobbying
  – Matchmaking
  – Seed funding
• Norway as DARIAH member
  – NTNU as national coordinator

https://www.ntnu.edu/dariah/
What’s in it for you?

- **Annual themes**
  - Seed funding
- **Member of a facilitating body**
  - Discussing and evolving Digital Humanities
- **Crucial tools for digital humanities**
  - Digital tools
  - Learning and training material
  - “Dariah open” involved in
    - Community
    - Marketplace
    - Date sets
    - Source
    - Access
    - Publishing

https://www.ntnu.edu/dariah/
DARIAH funded projects

Dariah Themes

• 2015 Open humanities (7 projects)
• 2016 Public humanities (7 projects)
• 2017 Cultural Heritage and Humanities Research (7 projects)
• 2018 Open Science (open call soon)

Examples

MediaDNA
Investigating emerging technologies in Humanities research to serve the public use of digitized audiovisual material

ENGAGED EDUCATION, TEACHING &TRAINING

https://www.ntnu.edu/dariah/
Dariah Nordic Hub

- A subgroup within DARIAH-EU consisting of:
  - NTNU, University of Helsinki, Aalto University, Aarhus University, Linnaeus University

- Answered to NordForsk call for University hubs

- 5 Strategic objectives
  - Create a DARIAH app store (open marketplace)
  - Sharpen internal communication (Nordic)
  - Enhance external communication
  - Enhance profile in training and education (DARIAHTeach)
  - DARIAH Working group participation
Horizon 2020

  - innovation at the nexus of Science, Technology and the Arts
- Support to art-driven innovation in European R&I projects by inclusion of artists in research consortia

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DARIAH @ NTNU – Contact info

NTNU Scientific representative: Andrew Perkis
andrew.perkis@iet.ntnu.no

NTNU Administrative representative: Thomas Sørlie Hansen
Faculty of Humanities
thomas.hansen@ntnu.no

www.ntnu.edu/dariah - www.dariah.eu