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

www.ntnu.edu/dariah/

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

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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

Social innovations

Libraries - Archives and data   Cultural innovations

Currently 16 ERICs
3 in humanities

cessda
Consortium of European
Social Sciences Data Archives

CLARIN
Language research infrastructure

DARIAH-EU

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

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Strategic Research Areas 2014–2023

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.

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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

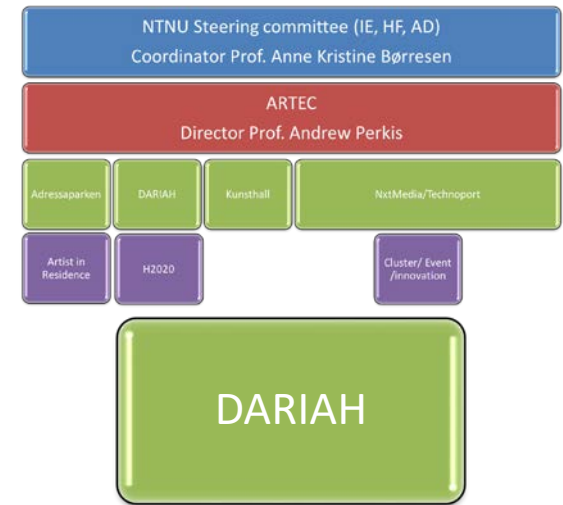| Adressaparken	DARIAH	Kunsthall	NxtMedia/Technoport

| Artist in Residence | H2020 | | Cluster/ Event /innovation |

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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)

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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

www.ntnu.edu/dariah/

DARIAH @ NTNU

- Research collaborations and networking
  - Transdisciplinary research
  - Establish and maintain **loca**l 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/

An integrated Registry Service for the Arts and Humanities	Guidelines and Standards	Thesaurus Maintenance
Analyzing and linking biographical data	Image Science and Media Art Research	Training and Education
CENDARI Sustain	Impact factors and success criteria	Visual Media and Interactivity
Community Engagement	Lexical Resources	WG defining cloud infrastructure services for DH
DARIAH Futures	MESO: Mediaevalist's Sources; Sustainability	
Digital Annotation	Social Innovation	Digital Methods and Practices Observatory (DiMPO)
FIM4D (Federated Identity Management for DARIAH)	Sustainable publishing of archival catalogues	
GeoHumanities	Text and Data Analytics	Women Writers in History

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DARIAH @ NTNU

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

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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

Digital HUMANITIES

DIGITAL humanities

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

EU SCREEN

MediaDNA

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

ENGAGED EDUCATION, TEACHING &TRAINING

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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

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Horizon 2020

- The challenge of the S+T+ARTS
  = STARTS program (ICT-32-2018-2020 (2018) RIA)
  - 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

Fact box	
TRL	
Action	RIA
Open	31.10.2017
Close	17.04.2018
€ pr. Project	€4M
€ total 2018	€8M
Connections	

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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

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DARIAH-EU | Digital Research Infrastructure for the Arts and Humanities