

# **All-hands meeting 2023**



## **Report of Contributions**

Contribution ID: **20**

Type: **not specified**

## Registration

*Monday 23 January 2023 15:00 (3 hours)*

**Session Classification:** Practicalities

Contribution ID: **21**

Type: **not specified**

## Welcome Talk by Gudmund Høst

*Monday 23 January 2023 19:00 (30 minutes)*

**Session Classification:** Opening

Contribution ID: **23**

Type: **not specified**

## Practical Announcements

*Thursday 26 January 2023 09:00 (30 minutes)*

**Session Classification:** Practicalities

Contribution ID: 33

Type: **not specified**

## **Break (lunch available between XX-XX)**

**Session Classification:** Break

Contribution ID: 37

Type: **not specified**

## Board games

Time to socialize, we will have board games available!

**Session Classification:** Social and creative activities

Contribution ID: 39

Type: **not specified**

## Project Meetings: Heilsa Tryggvedottir

*Thursday 26 January 2023 09:30 (2h 30m)*

**Session Classification:** Project meetings

Contribution ID: 49

Type: **not specified**

## Project Meetings: CodeRefinery

*Thursday 26 January 2023 09:30 (2h 30m)*

**Session Classification:** Project meetings



Contribution ID: 50

Type: **not specified**

## Project Meetings: NordlQuEst

*Thursday 26 January 2023 09:30 (2h 30m)*

**Session Classification:** Project meetings

Contribution ID: 53

Type: **not specified**

## **Project Meetings: Nordic WLCG tier 1 facility**

*Thursday 26 January 2023 09:30 (2h 30m)*

**Session Classification:** Project meetings

Contribution ID: 58

Type: **not specified**

## Keynote - Nicolò Dell'Unto on Photogrammetry

*Tuesday 24 January 2023 09:00 (1 hour)*

Supercomputing the Past, the Use of 3D Visualization Technology in Support of Archaeological Practice

In the last two decades, visualisation and recording technologies have strongly affected how scholars perceive and interact with archaeological information. Specifically, introducing new visualisation techniques and devices has allowed researchers to experience new ways of simulating the past, creating the conditions to discuss recent theoretical frames and address further research questions. Despite archaeologists and cultural heritage specialists only beginning to realise the potential of these applications in the heritage sector, experiments in 3D visualisation have demonstrated how three-dimensional data provide practitioners of the cultural heritage sector with more efficient tools to analyse and interpret the past.

This talk will discuss the potential, limits and future developments of 3D visualisation systems as media for analysing and discussing archaeological interpretations.

### Biography

Nicolò Dell'Unto is a professor of archaeology at the Department of Archaeology and Ancient History at Lund University. He studied archaeology at the University of Rome, La Sapienza. Upon completing his Master, he had a joint appointment as a research assistant at the Institute for Technologies Applied to Cultural Heritage, ITABC-CNR, Italy. There, he took part in several international projects for 3D documentation and visualisation of archaeological sites through digital techniques. Later, he obtained a PhD in technologies and management of cultural heritage at the Institute for Advanced Studies, IMT Lucca, Italy. He also worked as a post-doc and lecturer at the University of California Merced before his current position as Professor at Lund University. Dell'Unto is a visiting Professor at the Department of Collection Management at the Museum of Cultural History, University of Oslo.

**Session Classification:** Keynote

Contribution ID: **60**

Type: **not specified**

## **Project meetings: NICEST2**

**Session Classification:** Ski break

Contribution ID: **61**

Type: **not specified**

## Project meetings: Puhuri

*Thursday 26 January 2023 09:30 (2h 30m)*

**Session Classification:** Project meetings

Contribution ID: 62

Type: **not specified**

## Workshop - Vocabularies - part 1

*Tuesday 24 January 2023 15:00 (1h 45m)*

Machine-actionable vocabularies and data definitions—why they matter and how to make your own

Just as dictionaries and glossaries sometimes help you avoid misunderstandings in everyday communications, data dictionaries and data definitions can be used to make systems interoperable. In the spectrum of human-to-system-to-human communications you will find ways of systematically organizing knowledge for subsequent retrieval using “controlled vocabularies”—that is, sets of predefined, authorized terms that have been selected by some governing principles. Controlled vocabularies are used ubiquitously, from systematically recording data for a single research study, to serving as the source of acceptable terms in form fields, to enabling large-scale indexing of inventories, medical literature and research outputs.

During this workshop, you will:

- Learn why you might want to take your vocabularies to the next level, what it means to make them machine-actionable, and how to govern them in simple scenarios
- Practice creating, sharing and using vocabularies following recipes that illustrate the general principles and can scale to real-world applications

**Presenter:** NYBERG ÅKERSTRÖM, Womar (NBIS)

**Session Classification:** Parallel Workshops

Contribution ID: 63

Type: **not specified**

## Workshop - Research software development practice - part 1

*Tuesday 24 January 2023 15:00 (1h 45m)*

### Research Software Development Practice

Jake Muff, CSC - Maiken Pedersen, UiO - Matias Jääskeläinen, CSC - Samantha Wittke CSC, Radovan Bast, UiT, Richard Darst, Aalto University.

The goal of this workshop is that in the style of show-and-tell one learns about different ways of using research software development practices related to DevOps and continuous integration from members of the NeIC community.

During the workshop we will hear from 3 contributors on 3 different topics, getting to know how they use Software development and Continuous integration in their job and how it helps them solve problems. The contributors will also bring up unsolved problems or unfinished solutions and engage the audience to solve these and discuss.

We hope that during the workshop you will find out how software development practices can be related to DevOps with hands-on examples to improve your skills. Be prepared to ask questions, discuss and contribute to the workshop

The current contributors and topics can be found here: <https://notes.coderefinery.org/AHM23-DevOpsWS?view>

**Presenters:** MUFF, Jake (CSC - IT Center for Science); Mr JÄÄSKELÄINEN, Matias (CSC –IT Center For Science LTD.); BAST, Radovan; WITTKE, Samantha

**Session Classification:** Parallel Workshops

Contribution ID: 64

Type: **not specified**

## Workshop - Photogrammetry - part 1

*Tuesday 24 January 2023 15:00 (1h 45m)*

Creating 3D models in the field. In this workshop you will be guided through the steps for creating 3D-models of real-world objects.

Participants will take photographs of some object in or around the hotel, and we will attempt to use these in the workshop.

We ask the participants to upload the photos here: [https://drive.google.com/drive/folders/1y0tj8-HoD0xIMNrs4hiNrTbgq\\_1FnzEA?usp=sharing](https://drive.google.com/drive/folders/1y0tj8-HoD0xIMNrs4hiNrTbgq_1FnzEA?usp=sharing) and they will be of use in the FAIR workshop too.

**Presenter:** Prof. DELL'UNTO, Nicolo (Lund University)

**Session Classification:** Parallel Workshops



Contribution ID: 65

Type: **not specified**

## Workshop - FAIR

*Tuesday 24 January 2023 15:00 (1h 45m)*

In this workshop we will give an overview of the Metadata Manager implemented at UiO on the Educloud Research platform.

We will present the current implemented solution, and show use-cases from researchers piloting the service, in addition to hear what they say related to the challenges they have when it comes to FAIR-ifying their research data, and in what way the Metadata Manager has helped.

The second part of the workshop will be a demonstration of the solution, using the photographs taken during this AHM for the photogrammetry workshop.

What about the future? Could this solution be expanded further through a development project in a Nordic or European context. We invite NeIC to join us for a debate on possible future prospects.

We ask the participants to take some photos during the meeting that could be used in the FAIR demo. They can be uploaded here: [https://drive.google.com/drive/folders/1y0tj8-HoD0xIMNrs4hiNrTbgq\\_1FnzEA?usp=sha](https://drive.google.com/drive/folders/1y0tj8-HoD0xIMNrs4hiNrTbgq_1FnzEA?usp=sha)

**Presenters:** SCHAD BERGSAKER, Anne (University of Oslo); THOMASSEN, Gard (University of Oslo)

**Session Classification:** Parallel Workshops

Contribution ID: 67

Type: **not specified**

## **Workshop - Research software development practice - part 2**

*Tuesday 24 January 2023 17:15 (1h 45m)*

**Session Classification:** Parallel Workshops

Contribution ID: 69

Type: **not specified**

## **Workshop - Joint Vocabularies and FAIR workshop - part 2**

*Tuesday 24 January 2023 17:15 (1h 45m)*

**Session Classification:** Parallel Workshops

Contribution ID: 70

Type: **not specified**

## Workshop - FAIR - part 2

**Session Classification:** Parallel Workshops

Contribution ID: 71

Type: **not specified**

## Workshop - Photogrammetry - part 2

*Tuesday 24 January 2023 17:15 (1h 45m)*

**Session Classification:** Parallel Workshops

Contribution ID: 72

Type: **not specified**

## Wire-art

*Wednesday 25 January 2023 15:00 (2 hours)*

Unleash your creative self! In this session you will get to create art using steel wire and pliers.

**Presenter:** SJÖSTRÖM, Anders (Lund University)

**Session Classification:** Social and creative activities

Contribution ID: 73

Type: **not specified**

## Contact improvisation dance intro

*Wednesday 25 January 2023 15:00 (2 hours)*

Contact improvisation is a form of improvised partner dancing. It involves the exploration of one's body in relationship to others by using the fundamentals of sharing weight, touch, and movement awareness. It has evolved into a broad global community of social dancing around "jams" characterized by their welcoming attitude towards newcomers to dance, as well as seasoned practitioners, and is often found overlapping with ecstatic dance communities.

The workshop will give a small taste of contact improvisation with some basic exercises and then we will end with a small jam. then we will end with a small jam.

**Presenter:** VIKLUND, Johan (NBIS, SE)

**Session Classification:** Social and creative activities

Contribution ID: 74

Type: **not specified**

## Paint a masterpiece

*Wednesday 25 January 2023 15:00 (2 hours)*

Practice your creative skills with colleagues during a painting session. We will choose a famous piece of art and invite you to paint your own interpretation of the motive. You don't need to have any experience with painting to join and we will bring the supplies. Please note that there is no instructor. You will of course get to bring home your masterpiece as a memory of the all-hands meeting 2023.

**Session Classification:** Social and creative activities



Contribution ID: 75

Type: **not specified**

## **To beer or meta-beer—A study of the being of brews (+other beverages)**

*Wednesday 25 January 2023 15:00 (2 hours)*

Bring a selection of your favourite (or local) beverages to the NeIC AHM and share some facts about what makes it what it is. Trade beverages, have a chat, dip your toes into the ontology of beer (philosophy), or contribute to the NeIC ontology of beer (information science).

**Presenter:** NYBERG ÅKERSTRÖM, Womar (NBIS)

**Session Classification:** Social and creative activities

Contribution ID: 76

Type: **not specified**

## Human bowling

*Wednesday 25 January 2023 15:00 (2 hours)*

Human bowling (outdoors)

We split up in teams, and each team sends one person on a round sledge towards a formation of soft cones. After the contest we enjoy mulled wine around a bonfire.

**Session Classification:** Social and creative activities

Contribution ID: 78

Type: **not specified**

## Project meetings: Nordic Microdata Database

*Thursday 26 January 2023 09:30 (2h 30m)*

**Session Classification:** Project meetings

Contribution ID: 79

Type: **not specified**

## NeIC office

**Session Classification:** Project meetings

Contribution ID: 80

Type: **not specified**

## Keynote: Magnus Sahlgren on Large Language Models

*Wednesday 25 January 2023 09:00 (1 hour)*

GPT-SW3: building the first large generative language model for the Nordic languages

This talk gives an overview over the process of building the first large generative language model for the Nordic languages. We cover the motivation for building the model, as well as challenges and opportunities with data and compute. We also give examples of applications of the model, and discuss future directions for building and deploying large language models for smaller languages.

Sahlgren is known for this work on Random indexing applied to distributional semantics published through research projects at the Swedish Institute of Computer Science and later at Gavagai AB, the research company he co-founded in 2008. Sahlgren's dissertation The Word-Space Model was awarded the prize for the most prominent scholarly achievement of 2006 at the Stockholm University Faculty of Humanities.

### Biography

Magnus Sahlgren is Head of Research for Natural Language Understanding at AI Sweden. Sahlgren has a PhD in computational linguistics, and his research lies at the intersection between computational linguistics, philosophy, and artificial intelligence. He is primarily known for his work on computational models of meaning, and he is currently driving the initiative to train large language models for the Nordic languages. Sahlgren has previously held positions at the Research Institutes of Sweden (RISE), the Swedish Defense Research Agency (FOI), the Swedish Institute of Computer Science (SICS), Stockholm university, and he is the co-founder of the language technology company Gavagai AB.

**Session Classification:** Keynote

Contribution ID: **81**

Type: **not specified**

## Ski and lunch break

*Tuesday 24 January 2023 10:00 (5 hours)*

Time for enjoying the lovely outdoors in the way you prefer. You can go for a walk, cross-country skiing or alpine skiing - or stay inside and enjoy the spa. It's up to you!

If you signed up for the cross-country ski-course, that is today at 11:00.

**Session Classification:** Ski break

Contribution ID: 82

Type: **not specified**

## Ski and lunch break

*Wednesday 25 January 2023 10:30 (4h 30m)*

Time for enjoying the lovely outdoors in the way you prefer. You can go for a walk, cross-country skiing or alpine skiing - or stay inside and enjoy the spa. It's up to you!

If you signed up for the alpine ski-course, that is today at 11:00.

**Session Classification:** Ski break

Contribution ID: **83**

Type: **not specified**

## Board games

*Wednesday 25 January 2023 17:30 (2 hours)*

After the organised social and creative activities there will be different board games available in the common areas. Take this time before dinner to enjoy a round of games. We encourage you to bring your favorite board game to Kvitfjell to play with your NeIC colleagues.

**Session Classification:** Board games



Contribution ID: 84

Type: **not specified**

## Poster session

*Monday 23 January 2023 18:00 (1 hour)*

On the first day of the meeting, we will have a session where each NeIC project and activity presents their work in a poster. Participants are free and encouraged to walk from one interesting poster wall to another, stop to ask questions, learn more and engage in discussion with colleagues across activities. There will also be coffee and some snacks served during the session.

Questions we would like the poster to answer:

Something about the project activities, goals and people

What are you working on that should be relevant to all e-infrastructure projects?

What will be your legacy in 10 years?

What are your most challenging problems? (PESTLE?)

What in the project are you most proud of?

What problem will have been tackled and solved when the project ends?

What will still not be solved after the project ends? What is the reason for this: is it due to politics, missing technology, time limitations, etc?

The posters will be printed out by the Administrative coordinator. Please send the file via email to Mari Arnesen (mari.arnesen@nordforsk.org) by January 09. The projects are also free to bring with them any other posters or leaflets they may have from before.

Please note that the posters will not be shared outside the participants of the event unless the project explicitly asks for this.

Poster format:

Will be printed in A0

pdf

3mm bleed and crop marks

Colorprofile: CMYK

Questions for the “public” to answer:

While enjoying the posters we want the participants to think about ideas for current NeIC projects for fun and profit, ensuring sustainability in other people’s projects. We will provide a board and pieces of paper so that you can write your comments and stick them on the board to share with others.

On Wednesday, we have dedicated some time in the morning to go through any interesting discussions, ideas and answers to tough questions.

**Session Classification:** Poster session