

FORMAT AND SESSIONS

The colloquium will consist of three main sessions dealing with the topics:

- The impact and significance of open science in archaeology to date
- The interaction between archaeology, open science and the digital humanities
- Practical applications and exemplars for open science in archaeological research in the next decade

INVITED SPEAKERS

Julian Bogdani, University of Rome La Sapienza

Ben Marwick, University of Washington

Colleen Morgan, University of York

Rachel Opitz, University of Glasgow

Julian Richards, University of York

Iza Romanowska, University of Aarhus

EXCURSION, 3rd February 2023

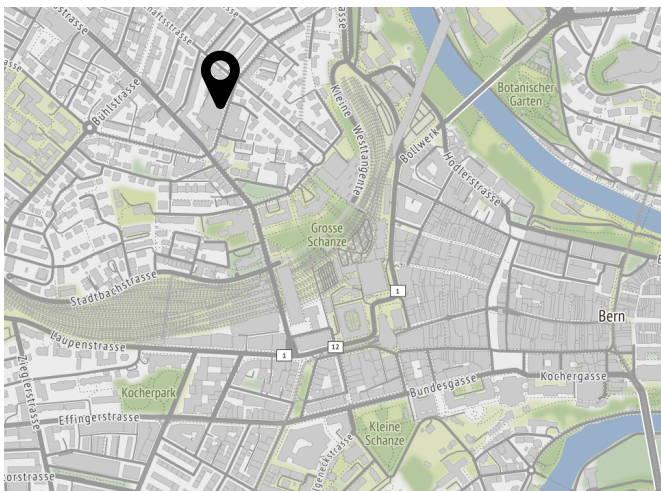
Archaeological excursion to the shores of Lake Biel and lake Neuchâtel.

WORKSHOPS, 3rd February 2023

Workshop 1: Research data management and open data in archaeology

Workshop 2: Writing Reproducible Research with R and rrtools

VENUE



University of Bern, Institute of Geography, Hallerstrasse 12, 3012 Bern

CONFERENCE REGISTRATION

Due to organisational purposes please register online if you like to participate. The fee for conference registration includes workshop registration, materials, coffee breaks, and the conference dinner.

BA and MA students are exempt from the registration fee. Online registration will be open until 23rd December 2022. There will be a grant to support travel and accommodation expenses for young scientists, i.e. BA / MA / PhD students and early Postdocs, presenting a talk or poster at the colloquium.

GENERAL INFORMATION

The colloquium will take place at the University of Bern, Switzerland. For further and updated information please visit

<https://dab23.archaeological.science/>

We look forward to meeting you in Bern!

Julian Laabs, Maria Elena Castiello, Cynthia Marti, Joe Roe and Martin Hinz on behalf of the Organisational Committee, and the Institute of Archaeological Sciences, Bern University

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International Colloquium on Digital Archaeology in Bern
1st–3rd February 2023, University of Bern, Switzerland

Open science is an umbrella term for various initiatives that aim at promoting a more robust, ethical and transparent scientific environment. One of the most important trends in global science in recent decades, it aims to sustainably strengthen the impact, transparency and reproducibility of scientific research. Central aspects of open science include open access (free, unrestricted access to scientific publications), open data (free and unrestricted access to research data), and methodological reproducibility.

Ten years ago, a groundbreaking special issue of World Archaeology on 'Open Archaeology' introduced the concept to the wider discipline. And five years ago, a paper in the SAA Archaeological Record once again brought together many authors to endorse the concept of 'Open Science in Archaeology'. In 2022, we can perhaps at last claim that open archaeology has come of age – if not as an established norm, then at least as a widely-accepted aspiration! So it seems timely to again take stock of which developments have proved fruitful over the past decade, and to ask which directions the field should take in the next. As guiding principles such as the 'FAIR' (<https://www.go-fair.org/fair-principles/>) and 'CARE' (<https://www.gida-global.org/care>) increasingly establish themselves in the wider digital humanities in recent years, how should digital archaeology position itself?

We hope the colloquium will provoke debate on the status and role of 'open' archaeological research with the spectrum of archaeological practice. We would also like to consider how, as digital archaeologists, we should position ourselves under the emerging umbrella of the digital humanities, and what we can learn from the paths taken there. The colloquium will be a forum for both junior and senior researchers from different fields to discuss and share their work and experiences.

1st February 2023

09:00-09:15	DAB Organisation Committee Bern University	Introduction
09:15-10:00	Ben Marwick University of Washington	t.b.a.
10:00-10:30	COFFEE BREAK	
10:30-11:00	Julian Richards University of York	Large-scale Open Data integration in Archaeology: Challenges and Prospects
11:00-11:30	Petr Pajdla University of Brno	Archaeological information system of the Czech Republic: Towards open data and research
11:30-12:00	Andrés Darío Izeta, Roxana Cattaneo University of Córdoba	Open science/Open archaeology. A Latin American view
12:30-13:00	Zachary Batist University of Toronto	Documenting the collaborative commitments that support data sharing within archaeological project collectives
12:30-14:00	LUNCH BREAK	
14:00-14:30	Colleen Morgan University of York	Open Archaeology and Worldbuilding
14:30-15:00	Sophie Schmidt, Florian Thiery University of Berlin, RGZM	Wikidata as a Knowledge Base and Research Tool for Open Science in Archaeology
15:00-15:30	Thomas Simeth et al. University of München	From trowel to AI- Open Source supported reconstruction of a Bronze Age fortification
15:30-16:00	COFFEE BREAK	
16:00-16:30	Hristijan Talevski et al. CNR-ITABC Roma	Mapping of the archaeological reasoning process in 4D
16:30-17:00	Rachel Opitz University of Glasgow	Archaeological remote and near surface sensing and integrated sustainable land management
17:00-17:30	DISCUSSION	
18:00-...	POSTER SESSION and Apéro	

2nd February 2023

09:00-09:30	Iza Romanowska University of Aarhus	Agent-based modelling as a tool for open interdisciplinary research
09:30-10:00	Giacomo Bilotti University of Kiel	Modelling with open or restricted data? A case study from prehistoric Northern Europe
10:00-10:30	COFFEE BREAK	
10:30-11:00	Silvana Hunger, Sebastian Borkowski University of Bern	The Digital Atlas of Notched Bone Artefacts (DANBA): A Collaborative Open Science Database
11:00-11:30	Felix Riede et al. University of Aarhus	CLIOdynamic ARChaeology: Computational approaches to critical pinch points in European Final Palaeolithic archaeology and climate change
11:30-12:00	Peter Yaworsky et al. University of Aarhus	The Human Niche Space of Late Upper Paleolithic Europe and the Effects of Climate and Population Growth
12:00-13:30	LUNCH BREAK	
13:30-14:00	Julian Bogdani University of Rome La Sapienza	Digital Archaeology Reloaded. From paperless documentation towards a data-driven open science
14:00-14:30	Eythan Levy University of Bern	Open Chronology: Towards FAIR and Transparent Chronology Building
14:30-15:00	Joe Roe, Martin Hinz University of Bern	XRONOS: open chronometric data from archive to infrastructure
15:00-15:30	COFFEE BREAK	
15:30-16:00	Martin Hinz University of Bern	Transparent Population Estimations using Bayesian Models
16:00-16:30	Maria Elena Castiello University of Bern	Archaeological Mapping of Andean Regions: Towards Collaborative Research and Open Science
16:30-17:00	N.N. Wrapping up DAB 2023: Advancing open research into the next decade	
17:00-17:30	FINAL DISCUSSION	
19:00-...	CONFERENCE DINNER	