



COST ACTION ARKWORK

WG 4

ARCHAEOLOGICAL SCHOLARSHIP IN THE DIGITAL ENVIRONMENT
HIGHLIGHTS (2016-2020)

Eleftheria Paliou
MC Member (Germany)
University of Cologne

WG4 - ARCHAEOLOGICAL SCHOLARSHIP

Objective: To integrate and push forward the current state-of-the-art in the study of archaeological scholarship including academic, professional and citizen science based scientific and scholarly work

Broader themes:

- **Digital developments within society that have changed the way we do archaeological scholarship.** *Which socio-technical developments have archaeologists particularly adopted, and to what extent has archaeology been transformed by them?*
- **Computational methods, technologies and tools that have transformed archaeological knowledge production.** *What more have we learnt that we did not know before? What new lines of enquiry have been facilitated that were not possible before?*
- **The contribution of digital archaeology to dialogues on human societies, both past and present.** *What contributions to a better understanding of human societies can Digital/Computational Archaeology make?*
- **The nature of digital scholarship in archaeology as experienced by scholars themselves?** *To what extent are digital outputs and digital creations accepted as genuine archaeological research?*

MILESTONES AND DELIVERABLES (MOU):

- M4.1, M4.2, M4.3: Annual meetings of WG4 incorporating periodic reviews
- D4.1 A journal special issue that includes practical solution-oriented, critical-analytical and theoretical contributions incl. a summary of the state-of-the-art in the study of archaeological scholarship
- D4.2-5 Web talks (recorded for future access)
- D4.6 Training school
- D4.7 Exploratory workshop

Journal special issue on Digital Scholarship in Archaeology



CAA journal of computer applications in archaeology

Special Collection
Digital Scholarship in Archaeology

Collection launched: 05 Aug 2019

This Collection is derived from work carried out under the auspices of the European Union-funded *European Cooperation in Science and Technology (COST)* framework by the ARKWORK network (COST Action 1501 – <https://www.arkwork.eu/>) which seeks to develop an understanding of how archaeological knowledge practices have developed within an increasingly digital environment. These papers focus on the relationship between the digital and scholarship in archaeology, examining the nature and value of scholarship within a digitally mediated archaeology.

- How is digital scholarship practiced?
- How do digital technologies facilitate, enhance and change the nature of archaeological scholarship across the extent of the archaeological knowledge chain: from discovery, through observation, explanation, and dissemination?
- How are research, synthesis, practice, and teaching within archaeology mediated and transformed by digital approaches?

In the process, the Collection seeks to contribute to an understanding of the transformations in archaeological practice through the incorporation of digital tools and methods, as well as an appreciation of how digital scholarship is experienced by archaeological scholars.

Edited by: Eleftheria Paliou, Costas Papadopoulos, Jeremy Huggett, Isto Huvilla

Paliou, E., Papadopoulos, C., Huggett, J., Huvilla, I. 2020, Special Issue “Digital Scholarship in Archaeology”, *Journal of Computer Applications in Archaeology*, <https://journal.caa-international.org/collections/special/digital-scholarship-in-archaeology/>.

A decorative graphic on the left side of the slide, consisting of a network of light blue lines and circles of varying sizes, resembling a circuit board or a digital network. The lines are vertical and horizontal, with some diagonal connections, and the circles are placed at various points along these lines.

Journal special issue on Digital Scholarship in Archaeology

- Resilient Scholarship in the Digital Age (Jeremy Huggett)
- Digital Archaeological Ethics: Successes and Failures in Disciplinary Attention (L. Meghan Dennis)
- Designing a Collaborative Peer-to-peer System for Archaeology: The DigVentures Platform (Brendon Wilkins)
- Using Social Media as a Source for Understanding Public Perceptions of Archaeology: Research Challenges and Methodological Pitfalls (Lorna-Jane Richardson)
- Tool-Driven Revolutions in Archaeological Science (Sophie C. Schmidt, Ben Marwick)
- Digitally-Mediated Practices of Geospatial Archaeological Data: Transformation, Integration, & Interpretation (Heather Richards-Rissetto , Kristin Landau)
- Romans and Rollercoasters: Scholarship in the Digital Playground (Aris Politopoulos , Csilla Ariese, Krijn Boom, Angus Mol)

WG4 TRAINING SCHOOL on “Methods of Digital Scholarship”, Cologne, 4th -7th February, 2020

Aim: to acquaint participants with state-of-the-art methods and tools for digital scholarship via lectures, practical classes, group work and discussion.

Topics covered:

- Data modelling/CIDOC CRM and Linked Open Data (Steve Stead)
- Big Data/Text mining (Steve Stead)
- Ethics and Digital Scholarship (Jeremy Hugget)
- Network research (Tom Brughmans)
- From Close to Distant Reading: Virtual Ethnography and Text Analysis (Costas Papadopoulos)
- Social media and text mining (Marta Krzyzanska)
- Tools for reproducible research (Iza Romanowska)
- Ontological modelling (Philip Verhagen)



WEBTALKS

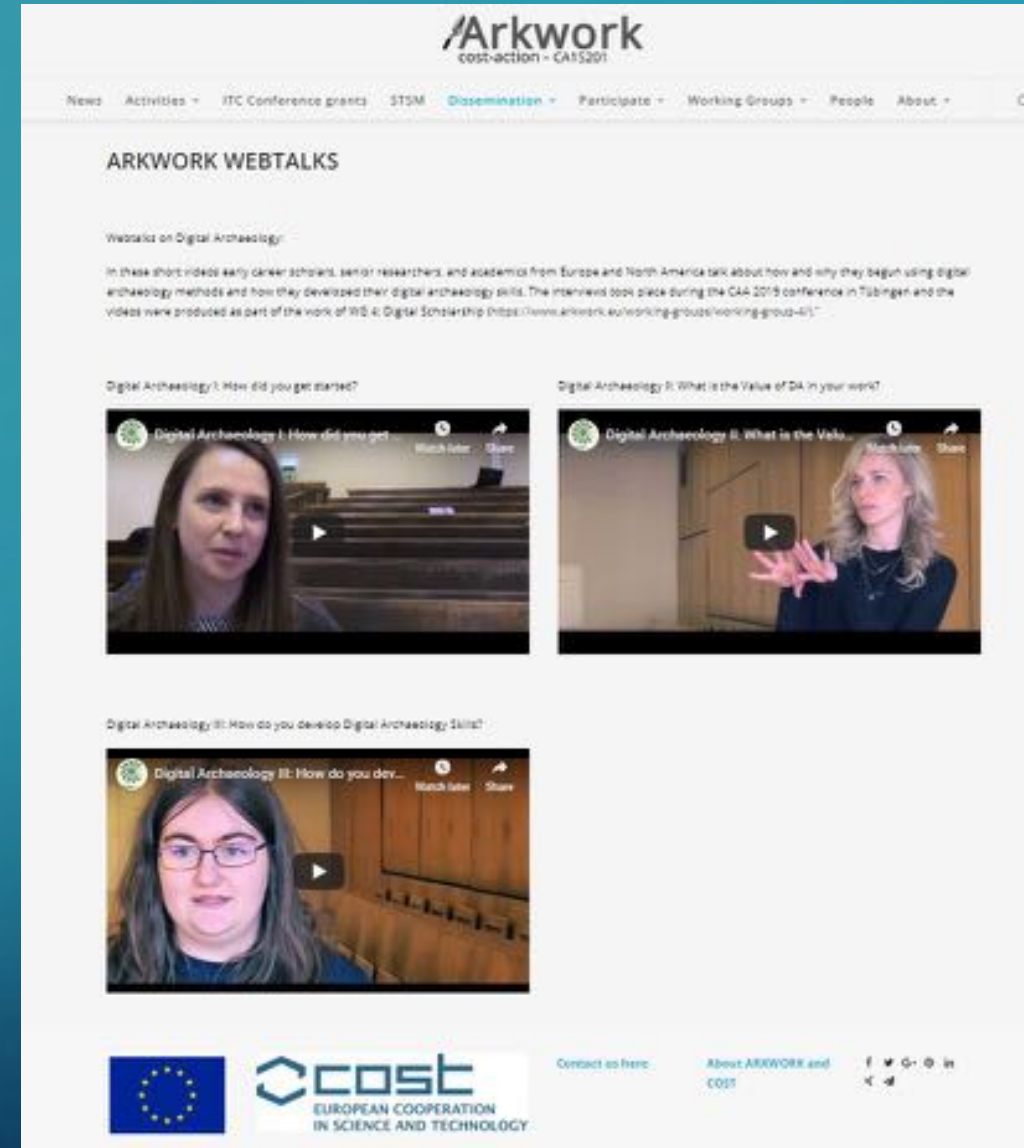
- early career scholars, senior researchers, and academics from Europe and North America talk about how and why they begun using digital archaeology methods and how they developed their digital archaeology skills.
- interviews took place during the CAA 2019 conference in Tübingen

Interview topics:

Digital Archaeology I: How did you get started?

Digital Archaeology II: What is the Value of DA in your work?

Digital Archaeology III: How do you develop Digital Archaeology Skills?



<https://www.arkwork.eu/webtalks/>