# ArcheoFOSS XVII

**International conference on Open software, hardware, processes, data and formats in archaeological research.**

# OPEN SCIENCE AND ARCHAEOLOGY: ARCHIVING THE KNOWLEDGE.

**December 12-13, 2023**
**University of Turin**
**Department of Historical Studies**
**Palazzo Nuovo, Via Sant'Ottavio 20**
**Aula Terracini (Ground floor)**

ORGANIZER COMMITTEE:
Rosina Leone, Anna Maria Marras, Vito Messina, Alessio Palmisano

SCIENTIFIC COMMITTEE:
Julian Bogdani, Paola Buzi, Elena Calandra, Stefano Costa, Emanuel Demetrescu, Benjamin Ducke, Gabriele Gattiglia, Saverio Giulio Malatesta, Anna Maria Marras, Paola Moscati, Augusto Palombini.

**9.00** Greetings Gianluca Cuniberti, Vito Messina

**9.15** Introduction Anna Maria Marras, Rosina Leone, Alessio Palmisano

**9.30 -11.00 PLENARY SESSION**
**Chiara Bonacchi,** University of Edinburgh
**Elena Giglia,** Open Science Unity, University of Turin
**Elena Marangoni, Oriana Bozzanelli,** Wikimedia Italy, University of Turin

**11.00 - 11.30** Coffee break

ROUND TABLE OF USE AND REUSE OF IMAGES AND DIGITAL CONTENTS IN HERITAGE.

**13.00 – 14.00** Lunch break

**14.00 – 16.00 PANEL SESSION 1**
*TOOLS, OBJECTIVES, USERS: STATE OF ART AND FUTURE PERSPECTIVES*
*ON THE SHARING OF OPEN DATA IN ARCHAEOLOGY*
Valeria Boi, Mirella Serlorenzi

*Data Opening in Archaeology: A Roadmap*
Elena Calandra, Valeria Acconcia, Valeria Boi, Ilaria Di Cocco,
Annalisa Falcone, Mirella Serlorenzi

*Managing Archaeological Data for a Sustainable Governance of Heritage*
Francesca Anichini, Antonio Campus, Gabriele Gattiglia, Antonella Rosa Saponara

*The DSC authority file: a link between fieldwork and finds*
Stefano Costa, Eleonora Fornelli, Anna Lorenzatto, Gennaro Iovino, Chiara Panelli,
Fiorenza Proto, Renata Esposito

*Does not compute! Accounting for social and situated experiences while integrating*
*and analyzing obsidian sourcing data*
Zachary Batist

*An easy and open way to publish geographical open dataset from QGIS to Kepler.gl:*
*the MirrorLab WebGIS case study*
Francesco Freddolini, Vincenzo Maria Lacolla, Saverio Giulio Malatesta,
Maria Onori, Antonio Pugliano, Paolo Rosati

*Entertainment buildings in the roman empire: a quantitative approach*
Lucia Marsicano, Marco Montanari, Open History Map

*Sharing (Linked) Open Data with domain-specific data-driven community hubs on the example*
*of the German National Research Data Infrastructure (NFDI) consortium NFDI4Objects*
*and the data hub archaeology.link*
Florian Thiery, Allard Mees

**16.00 -16.30** Coffee break

**16.30 – 17.00 PANEL SESSION 2**
*ARCHAEO.SOCIAL: ARCHAEOLOGY IN THE FEDIVERSE AND THE FUTURE OF SCHOLARLY SOCIAL MEDIA*
Joe Roe, Zack Batist

*Media deconvergence and digital public archaeology*
Lorna-Jane Richardson

*On the pessimistic side: Is the fediverse a viable alternative to X for Spanish researchers?*
María Coto-Sarmiento

*Making and Breaking: Anarchist Praxis, Archaeological Communities, and Social Media*
Judit del Río, Aris Politopoulos, Colleen Morgan

**17.00 - 19.00** Galleria Archeologica- Musei Reali

**9.00 - 11.00 PANEL SESSION 3**

*THE ROADMAP TO COOPERATION AND TRANSPARENCY:*
*FOSTERING OPEN SCIENCE SOLUTIONS IN ARCHAEOLOGY*
Alessio Palmisano, Andrea Titolo

*The Good, the Bad and the Ugly: Evaluating Open Science Practices in Archaeology*
Alessio Palmisano, Andrea Titolo

*The (open) BE-ARCHAEO database: a tool for interdisciplinary research on archaeological sites*
Monica Gulmini, Vincenzo Lombardo

*Citizen archaeology with Sardinia mining communities: an experimental action*
*research policy to enhance mining heritage protection through 3D scanning intiatives*
Mattia Sanna Montanelli, Pietro Francesco Serreli

*Harmonizing Photogrammetric Approaches for Cultural Heritage Preservation:*
*A Methodological Framework and Comparative Analysis*
Vittorio Lauro, Vincenzo Lombardo

*Dealing with doubts: Site georeferencing in archaeology and in the geosciences*
Florian Thiery, Stefanie Baars, Fiona Schenk

*Using Kart and GitHub for versioning and collaborating with spatial data in archaeological research*
Andrea Titolo, Alessio Palmisano

*Remote sensing with Open-Source systems. The open architecture of the UAVIMALS prototype*
*and its application in the archaeological context of Cencelle (Tarquinia, Italy)*
Federica Vacatello, Andrea Vannini

11.00 - 11.15  coffee break

**11.15 - 13.30 PANEL SESSION 4**

*VIRTUAL RECONSTRUCTION IN ARCHAEOLOGY WITH FOSS METHODS AND TOOLS*
Emanuel Demetrescu, Simone Berto

*Metaverse and "the italian job": closed and open models of virtual worlds in cultural heritage domain*
Augusto Palombini

*From GIS to BIM. The 3D archaeological map of Altinum (Italy).* Eleonora Delpozzo

*Theoretical-Methodological Report on the Construction of Artificial Archaeological Sites:*
*The Abade Case Study.* Diogo Menezes Costa

*Virtual recreation as a valid scientific representation for raising public awareness*
Pablo Sicre-González, José Ortiz

*An Open Look to the Past: Virtual and Immersive Approach to Study Inquisitorial "Autos de Fe"*
*in Colonial Mexico and Guatemala*
Antonio Rodríguez Alcalá, John F. Chuchiak IV, Zoraida Raimúndez Ares,
Maria Felicia Rega, Luis Díaz de León, Hans B. Erickson

*EBVRVM - Eboli in VR. Valorizzare un sito archeologico mediante 3D: il caso studio delle fornaci di Eboli*
Edoardo Baiocchi, G. Chellini, S. Lucatelli, Saverio Giulio Malatesta, Sara Gonizzi Barsanti

*Extended Matrix Narratives: teaching and engaging through the past*
Paola Frigerio, Caterina Previato, Emanuel Demetrescu

*The Mount Nebo virtual archaeological park: a reconstruction of the Deacon Thomas Church*
Sara Fabbri

*Engaging the Public: Reviving History Through the Social Simulacra Model*
*in Participatory Public History Projects*
Lorenzo Gigli, Marco Montanari, Lucia Marsicano

13.30 – 14.30  Lunch break

**14.30 – 15.30  PANEL SESSION 5**
*SMALL FINDS: COMPARING METHODOLOGIES AND TECHNIQUES*
*FOR THE 3D SCANNING OF SMALL OBJECTS*
Daniele Bursich, Dario Calomino

*Digital twins of musealized archaeological finds: open source technologies*
*applied to 3D scanning. Methodologies, limits and results*
Sara Airò, Alessandro Bezzi, Luca Bezzi, Rupert Gietl, Cicero Moraes,
Giuseppe Naponiello, Andreas Putzer

*Non-invasive methodologies for the study of mineralized textile traces*
*in Iron Age contexts*
Emanuela Faresin, Vanessa Baratella, Margarita Gleba

*Data extraction from 3D scanning: post-processing filtering for analytic*
*and informative 3D models of small archaeological finds*
Filippo Diara

*Small find 3d survey for project Arcoa (ArCOA. Archivi e Collezioni dell'Oriente Antico)*
Luca Peyronel, Tatiana Pedrazzi, Daniele Bursich.

**15.30 - 16.30  PANEL SESSION 6**
*DATA INTEGRATION AND COMMUNICATION PLATFORMS/ BRIDGING THE GAP:*
*PLATFORMS FOR PUBLIC ARCHAEOLOGY AND STORYTELLING*
Marco Montanari, Lucia Marsicano

*Zotero2Map - a new ITC tool for sharing and publishing bibliographic data*
*with a cartographic base for historical-archaeological research*
Eleonora Iacopini

*Simplifying contextualization of 3D model archives in WebGIS: 3DModelCommons*
Marco Montanari, Lucia Marsicano

*Amplifying Archaeological Outreach: The Impact of Wikipedia and Collaborative Initiatives*
*on Cultural Tourism*
Piergiovanna Grossi

**16.30 – 18.00**  Conclusion

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