ArcheoFOSS 2025:
Conference info Programme

Embracing Sustainability, Inspired by FLOSS Ethics

This is a minimal-print event.

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We have reduced our printed materials to align with our commitment to sustainability.
We encourage you to do the same.

Please think before you print.
We are very happy to publish the definitive conference programme of ArcheoFOSS 2025.
The conference will be held in Busto Arsizio on 27-28 November 2025.
For any further info, please contact archeofoss2025@labdig3a.org or write in Telegram.

Where
POLO DIDATTICO MOLINI MARZOLI
3th floor room D
Via Alberto da Giussano 12
21052 Busto Arsizio (Varese)

OpenStreetMap position

how to get here, park and eat

Online broadcasting
Teams link

PROGRAMME

27 November 2025

- 08:30
  Registration
- 09:00
  Opening

09:15

Panel: Casting the Net Wide: Open Network Approaches in Italian Archaeology

Chair and intro by Marco Moderato; Dario Nincheri.

- 09:20
  Funerary Rituals as Semantic Networks: a FLOS-Based Virtual Archaeology Approach. Examples from Villanovan Contexts in the Po Valley
  Eliana Pillitteri - Sapienza Università di Roma; Giacomo Mancuso CNR – ISPC.
- 09:35
  Networks of Memory: Open FOSS Workflows for the Archaic Necropolis of Taranto
  Raffaele Rizzo - University of Salento.
- 09:50
  Tracing Connections: Network Modelling of Early Neolithic Obsidian Distribution in Italy
  Niccolo Mazzucco - DCFS, University of Pisa, Italy; Giada Pirrone - DCFS, University of Pisa, Italy; Luca Biancalani Freelance Archaeologist; Barbara Melosu - University of Cagliari; Simone Sani - DCFS, University of Pisa, Italy; Claudia Finocchiaro - DCFS, University of Pisa, Italy; Riccardo Cicilloni - University of Cagliari; Elisabetta Starnini - DCFS, University of Pisa, Italy.
- 10:05
  Lavoro e sepoltura nella Roma imperiale: analisi di rete di mestieri, luoghi di lavoro e spazi funerari
  Eleonora Iacopini - Scuola Normale Superiore di Pisa.
- 10:20
  Networking the Empire: Open and FAIR Approaches to Roman Samian Ware Trade Analysis
  Allard W. Mees - Leibniz-Zentrum für Archäologie (LEIZA) (Mainz, Germany); Florian Thiery - Leibniz-Zentrum für Archäologie (LEIZA) (Mainz, Germany).

- 10:35
  Coffee break

- 11:00
  Reti sociali e romanizzazione: network analysis dell'epigrafia peligna
  Antonio Merola - Università degli Studi "Aldo Moro" di Bari.
- 11:15
  Stone Networks: A Computational Analysis of the Lunigiana Statue Stele
  Luca Biancalani - Independent researcher; Dario Nincheri - Escuela Doctoral
  EIDEMAR de la Universidad de Cádiz, Historia y Arqueología Marítimas, Spain.
- 11:30
  Network Analysis in the Interpretation of Materials and Stratigraphy from the site of
  al-Wu'ayra in Jordan
  Gianluca Carputo - Scuola di specializzazione in beni archeologici, Università degli
  Studi di Firenze.
- 11:45
  SHARED: Semantic-based Heterogeneous Archive for Reusable Exchangeable Data
  in archaeology and archaeometry
  Lorena Bravi - PhD Student in Heritage Science, Sapienza University of Rome.
- 12:00
  Saints, Ancestors and Ashes: Open Semantic Networks from Holy Wells and Ogham
  Inscriptions to the Campanian Ignimbrite
  Florian Thiery - Research Squrrel Engineers Network (Mainz, Germany),
  Leibniz-Zentrum für Archäologie (LEIZA) (Mainz, Germany); Fiona Schenk -
  Research Squrrel Engineers Network (Mainz, Germany), Johannes
  Gutenberg-Universität Mainz (Mainz, Germany);
- 12:15
  Discussion

- 12:30
  Lunch break

13:45 Talk: Vue.js made easy: cos'è e perché dovresti usarlo

Matteo Bilotta Associazione LabDig3A Academy.

14:00

Panel: FLOS and organic remains in archaeological context

Chair and intro by Alessandra Mazzucchi; Maurizio Marinato.
- 14:05
  Using Weasis software to study radiographs of taphonomic fractures on human
  bones
  Agnese Martinelli - Università degli Studi di Milano; Maurizio Marinato - Dipartimento
  di Beni Culturali, Università di Padova; Alessandra Mazzucchi - Associazione
  LabDig3A Academy, Associazione Osteoarc APS ETS.
- 14:20
  FLOS in bioanthropology: a preliminary tracking of state of art
  Alessandra Mazzucchi - Associazione LabDig3A Academy, Associazione Osteoarc

APS ETS; Matteo Orsi - Associazione LabDig3A Academy, Osteoarc APS ETS; Gloria Valbusa - Associazione LabDig3A Academy, Osteoarc APS ETS; Roberto Taglioretti - Associazione LabDig3A Academy, Osteoarc APS ETS; Maurizio Marinato - Dipartimento di Beni Culturali, Università di Padova.

- **14:35**
  A Proof-of-Concept Study on Quantitative 3D Analysis of Point Cloud Data in Anthropology: the Case of Mandibular Teeth
  Matteo Orsi - LabDig3A Academy Association, Osteoarc APS ETS; Alex Fontana - MUSE – Museum of Science; Mirko Mattia - LABANOF - Anthropological and Odontological Lab of the State University of Milan, MUSA - The university museum of anthropological, medical and forensic sciences for human rights; Marta Mondellini - LABANOF - Anthropological and Odontological Lab of the State University of Milan, MUSA - The university museum of anthropological, medical and forensic sciences for human rights; Roberto Taglioretti - LabDig3A Academy Association, Osteoarc APS ETS; Umberto Tecchiati - PrEcLab – Laboratory of Prehistory and Prehistoric Ecology, University "La Statale" of Milan; Alessandra Mazzucchi - LabDig3A Academy Association, Osteoarc APS ETS.

- **14:50**
  Discussion

15:05

Panel: FLOS applications in bioanthropology and linked disciplines: case reports

Chair and intro by Roberta Fusco; Chiara Tesi.

- **15:10**
  MAPOD4D per la valorizzazione e la divulgazione del materiale osteologico umano, dallo scavo al modello: il caso di Lovere (BG)
  Gloria Valbusa - Associazione LabDig3A Academy, Osteoarc APS ETS; Filippo Di Marco - Associazione LabDig 3A Academy, Osteoarc APS ETS; Maria Fortunati - già Soprintendenza Archeologia Belle Arti e Paesaggio per le province di Bergamo e Brescia; Alessandra Mazzucchi - Associazione LabDig 3A Academy, Associazione Osteoarc APS ETS; Roberto Taglioretti - Associazione LabDig 3A Academy, Associazione Osteoarc APS ETS; Matteo Orsi - Associazione LabDig 3A Academy, Associazione Osteoarc APS ETS.

- **15:25**
  Digital Twins of Human Vertebrae: A Case Study on a FLOS-driven Workflow for Research and Dissemination
  Gloria Valbusa - Associazione LabDig3A Academy, Osteoarc APS ETS; Bianca Mantovani Banella - Università degli Studi di Milano; Roberto Taglioretti - Associazione LabDig3A Academy, Osteoarc APS ETS; Matteo Orsi - Associazione LabDig3A Academy, Osteoarc APS ETS; Alessandra Mazzucchi - Associazione LabDig3A Academy, Osteoarc APS ETS;

- **15:40**
  A new 3D dissemination perspective of human burned bones: the case of CSPAV-D1 urn from Golasecca culture
  Alessandra Mazzucchi - Associazione LabDig 3A Academy, Associazione Osteoarc

APS ETS; Matteo Orsi - Associazione LabDig 3A Academy, Associazione Osteoarc APS ETS; Gloria Valbusa - Associazione LabDig 3A Academy, Associazione Osteoarc APS ETS; Filippo Di Marco - Associazione LabDig 3A Academy, Associazione Osteoarc APS ETS; Davide Carraro - University of Milano-Bicocca, Department of Physics "Giuseppe Occhialini"; Lucina Caramella - Centro Studi Preistorici e Archeologici di Varese; Akylina Taglioretti - Associazione LabDig 3A Academy, Associazione Osteoarc APS ETS; Roberto Taglioretti - Associazione LabDig 3A Academy, Associazione Osteoarc APS ETS.

- 15:55
  Discussion

- 16:10
  Coffee break

16:30

Panel: Managing 3D Data from the Field: Challenges, Strategies, and Future Directions

Chair and intro by Cristiano Putzolu; Marco Cavalazzi.

- 16:35
  Open 3D Archaeology: Web-Based Visualization and Knowledge Sharing for Excavation Data
  Andrea Dennis Favullo - LabDig 3A Academy; Francesco Alfinito - Università di Bologna; Carlo Bicchierai - Università di Bologna; Jacopo Celani - Università della Tuscia; Matteo Orsi - LabDig 3A Academy association; Roberto Taglioretti - LabDig 3A Academy association; Marco Cavalazzi - Università di Bologna.
- 16:50
  Beta RTK SLAM and SfM point cloud comparison: a test on the field
  Claudia De Luca - Alma Mater Studiorum – Università di Bologna, Dipartimento di Storia Culture Civiltà (DiSCi); Roberto Taglioretti - LabDig3A Academy Association, Osteoarc APS ETS; Gloria Valbusa - LabDig3A Academy Association, Osteoarc APS ETS; Matteo Orsi - LabDig3A Academy Association, Osteoarc APS ETS; Cristiano Putzolu - Alma Mater Studiorum – Università di Bologna, Dipartimento di Storia Culture Civiltà (DiSCi).
- 17:05
  Preliminary evaluation of FLOS and Proprietary Software for Archaeological SfM Processing: A Case Study from Arsago Seprio
  Matteo Orsi - LabDig3A Academy Association, Osteoarc APS ETS; Amedeo De Lisi - University of Milan – Department of Cultural and Environmental Heritage; _Gloria Valbusa - LabDig3A Academy Association, Osteoarc APS ETS; Elena Fontana - LabDig3A Academy Association, Osteoarc APS ETS; Cristiano Brandolini - Civic Archaeological and Paleontological Museum of Arsago Seprio; Roberto Taglioretti - LabDig3A Academy Association, Osteoarc APS ETS; Emanuele Intagliata - University of Milan – Department of Cultural and Environmental Heritage.
- 17:20
  Point cloud acquisition in extreme environments: a preliminary evaluation. A preliminary study of a crypt without light

Matteo Orsi - LabDig3A Academy Association, Osteoarc APS ETS; Gloria Valbusa - LabDig3A Academy Association, Osteoarc APS ETS; Marta Licata - Department of Biotechnology and Life Sciences, University of Insubria; Roberta Fusco - Department of Biotechnology and Life Sciences, University of Insubria; Nicol Rossetti - Department of Biotechnology and Life Sciences, University of Insubria; Arianna Vanni - Department of Biotechnology and Life Sciences, University of Insubria; Francesca Garanzini - Soprintendenza Archeologia, Belle Arti e Paesaggio per le province di Biella, Novara, Verbano-Cusio-Ossola e Vercelli; Giovanni Mastrocco - MG Geomatics di Mastrorocco Giovanni; Lisa Afeltra - Urania di Lisa Afeltra; Roberto Taglioretti - LabDig3A Academy Association, Osteoarc APS ETS; Alessandra Mazzucchi - LabDig3A Academy Association, Osteoarc APS ETS; Cristiano Putzolu - University of Bologna - Department of History and Cultures (DiSCi).

- 17:35
  Una Metodologia FAIR e una Cupola Portatile per il Reflectance Transformation Imaging: Il Caso della Documentazione Digitale della Rupe Magna
  Hüseyin Erdoğan - Università di Bologna – Dipartimento di Storia Culture Civiltà; Federico Zoni - Università di Bergamo – Dipartimento di Lettere, Filosofia, Comunicazione; Valentina Presutti - Università di Bologna – Dipartimento di Lingue, Letterature e Culture Moderne; Cristiano Putzolu - Università di Bologna – Dipartimento di Storia Culture Civiltà.
- 17:50
  Tra micro-rilievo e analisi numismatica: un approccio digitale per l'identificazione di tipi monetali
  Elena Molaioni - Sapienza Università di Roma.
- 18:05
  Discussion

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28 November 2025

09:00

Panel: Integrated FLOS Ecosystems for Archaeology: from Sensor Co-designing and Data Analysis to Immersive Storytelling

Chair and intro by Matteo Orsi; Roberto Taglioretti.
- 09:05
  A FLOSS Framework for Archaeological Digital Twins: The MAPOD4D Methodology
  Roberto Taglioretti - LabDig3A Academy Association, Osteoarc APS ETS; Gloria Valbusa - LabDig3A Academy Association, Osteoarc APS ETS; Matteo Orsi - LabDig3A Academy Association, Osteoarc APS ETS.
- 09:20
  Immersive storytelling to show and talk about results: using MAPOD4D as presentation in archeology convention
  Gloria Valbusa - LabDig3A Academy, Osteoarc APS ETS; Roberto Taglioretti - LabDig3A Academy Association, Osteoarc APS ETS; Matteo Orsi - LabDig3A

Academy Association, Osteoarc APS ETS; Cristiano Putzolu - Department of History and Cultures (DISCI), Alma Mater Studiorum - Università degli Studi di Bologna.

- 09:35
  From the testing ground to hardware design: a scientific experiment for cultural heritage enhanced with a MAPOD4D Metaverse
  Davide Carraro - University of Milano-Bicocca - Department of Physics "Giuseppe Occhialini"; Roberto Taglioretti - LabDig3A Academy Association, Osteoarc APS ETS; Gloria Valbusa - LabDig3A Academy Association, Osteoarc APS ETS; Alessandra Mazzucchi - LabDig3A Academy Association, Osteoarc APS ETS; Matteo Orsi - LabDig3A Academy Association, Osteoarc APS ETS.

- 09:50
  Workflow integrato FLOS e Low-Cost per garantire l'integrità colorimetrica della digitalizzazione delle vertebre umane
  Bianca Mantovani - Università degli Studi di Milano; Gloria Valbusa - Associazione LabDig3A Academy, Osteoarc APS ETS; Roberto Taglioretti - Associazione LabDig3A Academy, Osteoarc APS ETS; Alessandra Mazzucchi - Associazione LabDig3A Academy, Osteoarc APS ETS; Matteo Orsi - Associazione LabDig3A Academy, Osteoarc APS ETS.

- 10:05
  Emphasizing bone fractures to valorize archaeological remains: a FLOS pipeline for bone discontinuity enhancement and promotion
  Agnese Martinelli - Università degli Studi di Milano; Roberto Taglioretti - LabDig3A Academy Association, Osteoarc APS ETS; Alessandra Mazzucchi - LabDig3A Academy Association, Osteoarc APS ETS; Maurizio Marinato - Dipartimento di Beni Culturali, Università di Padova; Alexandra Chavarria Arnau - Dipartimento di Beni Culturali, Università di Padova; Matteo Orsi - LabDig3A Academy Association, Osteoarc APS ETS.

- 10:20
  Coffee break

- 10:45
  From CT scanning to immersive storytelling: a FLOS-based workflow for the valorization of a Roman funerary urn from Crescentino (VC)
  Arianna Vanni - Deprtment of Medicine and Surgery, University of Insubria, Department of Biotechnology and Life Science; Roberto Taglioretti LabDig 3A Academy Association, Osteoarc APS ETS; Roberta Fusco - Department of Biotechnology and Life Science, University of Insubria; Chiara Tesi - Department of Biotechnology and Life Science, University of Insubria; Nicol Rossetti - Deprtment of Medicine and Surgery, University of Insubria, Department of Biotechnology and Life Science; Carmelo Messina - Radiology Department, ASST Gaetano Pini-CTO, Department of Biomedical Sciences for Health, University of Milan; Matteo Orsi - LabDig 3A Academy Association, Osteoarc APS ETS; Gloria Valbusa - LabDig 3A Academy Association; Claudia De Luca - Department of History Cultures Civilizations - Alma Mater Studiorum Bologna; Francesca Garanzini - Soprintendenza Archeologia, Belle Arti e Paesaggio per le province di Biella, Novara, Verbano-Cusio-Ossola e Vercelli; Marta Licata - Department of Biotechnology and Life Science, University of Insubria.

- 11:00
  An Integrated FLOS Workflow for the Analysis and Storytelling of Inscribed Crania
  Claudia De Luca - Alma Mater Studiorum – Università di Bologna, Dipartimento di Storia Culture Civiltà (DiSCi); Matteo Orsi - LabDig3A Academy, Osteoarc APS ETS; Gloria Valbusa - LabDig3A Academy, Osteoarc APS ETS; Alessandra Mazzucchi - LabDig3A Academy, Osteoarc APS ETS; Roberto Taglioretti - LabDig3A Academy, Osteoarc APS ETS; Nadja Cholidis - Vorderasiatisches Museum, Berlin; Barbara Helwing - Vorderasiatisches Museum, Berlin; Margerita Andrea Valsecchi Gillmeister - Vorderasiatisches Museum, Berlin; Cristiano Putzolu - University of Bologna - Department of History and Cultures (DiSCi).
- 11:15
  Metodologie di modifica Free Libre and Open Source (FLOS) di dispositivi di acquisizione per la valorizzazione del patrimonio culturale: il caso del progetto MAPOD4D
  Petra Ferrario - Università degli studi di Milano; Roberto Taglioretti - LabDig3A Academy Association, Osteoarc APS ETS; Alessandra Mazzucchi - LabDig3A Academy Association, Osteoarc APS ETS; Matteo Orsi - LabDig3A Academy Association, Osteoarc APS ETS.
- 11:30
  Discussion

11:45

Panel: Miscelaneus

Chair and intro by Gloria Valbusa; Matteo Orsi.
- 11:50
  Cultural Heritage acquisition: comparing Gaussian Splatting with other state of the art technologies
  Simone Pio Barbagallo - Dipartimento di Matematica e Informatica, Università di Catania; Giovanni Gallo - Dipartimento di Matematica e Informatica, Università di Catania; Filippo Stanco Dipartimento di Matematica e Informatica, Università di Catania.
- 12:05
  Analisi di dati LiDAR con FLOSS per l'archeologia
  Stefano De Nisi - Università del Salento.
- 12:20
  TRACC (Traverse Adjustment for Compensated Coordinates): an open-source approach
  Enrico Auriemma – Sapienza Università di Roma.
- 12:35
  Discussion

- 12:50 lunch break

14:05 Talk: Intra-site spatial analysis in archaeology: new methods and some applications in R

Francesco Carrer - Newcastle University.

14:20

Panel: Back to Predictive Modelling in Landscape Archaeology: GIS-Based Geospatial and Geostatistical Analyses for Site Identification

Chair and intro by Cristiano Putzolu; Teodora Santandrea.

- 14:25
  Recent developments in probabilistic spatial modelling of archaeological potential
  Francesco Carrer - Newcastle University.
- 14:40
  Are archaeological data suitable for geostatistical analysis? Comparing the outcomes of two inductive predictive models
  Enrico Croce - Università degli Studi di Milano, Dipartimento di Beni Culturali e Ambientali.
- 14:55
  Sale, lana e Dei: il culto di Ercole lungo le vie della transumanza nell'area picena
  Bicchierai Carlo - Alma Mater Studiorum Università di Bologna, Bologna (IT); Zanotti Erik - Alma Mater Studiorum Università di Bologna, Bologna (IT), Université Paris 1 Panthéon-Sorbonne, Paris (FR).
- 15:10
  From Pathways to Probabilities: Refining Predictive Modelling in the Bronze Age Apennines
  Jorge Calvelo Álvarez - Independent Researcher; Erik Zanotti - Alma Mater Studiorum Università di Bologna, Université Paris 1 Panthéon-Sorbonne, Paris (FR), EUR ArChal.
- 15:25
  Mapping Hilltop Sites through Integrated Spatial, Morphometric, and Remote Sensing Analyses: a GIS-Based Open-Source Approach
  Teodora Santandrea - University of Aberdeen, Interdisciplinary Institute.
- 15:40
  Discussion

- 15:55
  Coffee break

16:20

Panel: Intelligenza Artificiale e Coding per l'Archeologia dell'Architettura: nuove metodologie di analisi degli elevati

Chair and intro by Andrea Fiorini.

- 16:25
  Intelligenza artificiale applicata all'archeologia dell'architettura: soluzioni per la raccolta e l'analisi dei dati
  Andrea Fiorini - Dipartimento di Storia Culture Civiltà, Università di Bologna.
- 16:40
  TagLab per l'archeologia dell'architettura: segmentazione, annotazione e analisi AI assisted
  Filippo Sala - Università di Pisa, Dipartimento di Ingegneria Civile ed Industriale; Marco Callieri - Visual Computing Lab, ISTI-CNR, Italy; Anna De Falco - Università di Pisa, Dipartimento di Ingegneria Civile ed Industriale; Gabriele Gattiglia - Università di Pisa, Dipartimento di Civiltà e Forme del Sapere; Quirino Saraceni - Università di Pisa, Dipartimento di Informatica.
- 16:55
  Northern N-AI-ve: Merging AI in the study of the Northern Nave of the Holy Sepulchre
  Cecilia Romagnoli - PhD Student, Politecnico of Turin; Mattia D'Amico - PhD Student, Sapienza University of Rome; Violetta Mattia - Research Fellow, Sapienza University of Rome.
- 17:10
  Discussion

- 17:25
  Final discussion and conclusion
- 18:00
  Closing