



# ARCHEO.FOSS XVI | 2022

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

**22-23 September 2022**

Aula Giorgio Levi della Vida  
Ground floor “ex Vetrerie Sciarra”  
Sapienza Università di Roma  
Via dei Volsci, 122. 00185 Roma. Italia

<https://www.archeofoss.org/2022/watch>



SAPIENZA  
UNIVERSITÀ DI ROMA



## 22 September 2022

**09:00 - 09:30 [CEST]** in presence  
**Conference welcome and opening**

**Paolo Carafa** – Pro-Rector for the Archaeological Heritage,  
Sapienza University of Rome  
**Paola Buzi** – Director of DigiLab. Interdepartmental Research  
Center of Sapienza University of Rome  
**Julian Bogdani** – ArcheoFOSS Scientific Committee  
member. LAD, Sapienza University of Rome

### PANEL 1

#### Archaeological stratigraphy data

Chair and Introduction by **Stefano Costa** and **Emanuel Demetrescu**

**09:30 - 09:45 [CEST]** online  
**Bryony Moody, Caitlin Buck, Tom Dye and Keith May** –  
*Automating chronology construction and archiving (FAIR)ly  
along the way*

**09:45 - 10:00 [CEST]** online  
**Joe Roe** – *Stratigraphic data in R*

**10:00 - 10:15 [CEST]** in presence  
**Stefano Costa** – *Harris Matrix Data Package: version  
2022 of the hmdp tool with new features for the creation of  
stratigraphy data packages*

**10:15 - 10:30 [CEST]** in presence  
**Enzo Cocca** – *The new Harris Matrix workflow from  
pyArchInit to Extended Matrix*

**10:30 - 10:45 [CEST]** in presence  
**Alessio Paonessa** – *Linking stratigraphy, context and  
interpretation: a starting proposal*

**10:45 - 11:00 [CEST]** in presence  
**Emanuel Demetrescu, Cristina Gonzalez Esteban, Filippo  
Sala and Daniele Bursich** – *EMdb: yet another db for the  
stratigraphic record*

**11:00 - 11:15 [CEST]** in presence  
**Giulia Chellini, Bruno Fanini, Leonarda Fazio, Maria  
Grazia Griffo, Mauro Lo Brutto, Saverio Giulio Malatesta  
and Elisa Chiara Portale** – *An innovative digital system  
for the Lilibeo Archeological Museum roman sculptures  
enhancement*

**11:15 - 11:30 [CEST]**  
**Discussion**



**11:30 - 11:45 [CEST]**  
**Coffee break**

### PANEL 2

#### GIS open source solution for archaeological context in between Universities, Public Administration, societies, research center: pyArchInit case

Chair and Introduction by **Enzo Cocca** and **Gianluca  
Martinez**

**11:45 - 12:00 [CEST]** in presence  
**Luca Mandolesi, Roberto Montagnetti, David Gerald  
Pickle and David Soren** – *pyArchInit at Poggio Gramignano  
Villa: a workflow between society and University through  
pyArchInit and Blender*

**12:00 - 12:15 [CEST]** in presence  
**Annalisa d'Onofrio and Maria Raffaella Ciuccarelli** – *The  
urban context of the roman theater and “ex Filanda” in Fano  
(PU)*

**12:15** - 12:30 [CEST] in presence

**Gianluca Martinez** – *Pyarchinit potential and limits in university and research context: San Sisto case study and the Laboratory of Medieval Archaeology of the University of Pisa*

**12:30** - 12:45 [CEST] in presence

**Marco Moderato and Vasco La Salvia** – *Pyarchinit at Castelseprio: progressive adoption of an integrated managing system for archaeological field data*

**12:45** - 13:00 [CEST] in presence

**Marco Ramazzotti, Francesco Genchi and Guido Antinori** – *MASPAG & Pyarchinit, the newborn collaboration of Sapienza and AdArte in the Sultanate of Oman*

**13:00** - 13:15 [CEST]

**Discussion**



**13:15** - 15:05 [CEST]

**Lunch breack**

## PANEL 3

### Practice and Paradigms of Open Source Technologies for Archaeological Field Data

Chair and Introduction by **Fabian Riebschläger and Thomas Kleinke**

**15:00** - 15:05 [CEST] in presence

*Introduction to the panel*

**15:05** - 15:20 [CEST] in presence and online

**Eleonora Minucci, Angela Bosco and Daniele De Luca** – *Virtual RTI Application on 3D model for documentation of ancient graffiti: a propose of methodology for a complex archaeological site*

**15:20** - 15:35 [CEST] online

**Laura Carpentiero and Dora D'Auria** – *Operative tools for BIM in archaeology: libraries of archaeological parametric IFC objects*

**15:35** - 15:50 [CEST] in presence and online

**Federica Rinaldi, Alessandro Lugari, Francesca Sposito and Ascanio D'Andrea** – *Between archeology and conservation. Digital tools for digital bridges between disciplines: The risk map of the in situ mosaic and marble surfaces of the Parco Archeologico del Colosseo*

**15:50** - 16:05 [CEST] in presence and online

**Benjamin Ducke, Simon Hohl, Thomas Kleinke, Fabian Riebschläger and Juliane Watson** – *iDAI.field: Developing software for the documentation of archaeological fieldwork*

**16:05** - 16:20 [CEST] in presence

**Eleonora Iacopini** – *PuntoZero, a web-app for the management, use and collect the archaeological data inside the public archives. The case of Ancona*

**16:20** - 16:35 [CEST]

**Discussion**



**16:35** - 16:50 [CEST]

**Coffee break**

## PANEL 4

### I/O: ethics, policies and technologies for programmatic and open access to archaeological online data sets

Chair and Introduction by **Julian Bogdani and Riccardo Montalbano**

**16:50** - 16:55 [CEST] in presence

*Introduction to the panel*

**16:55** - 17:10 [CEST] in presence

**Mirella Serlorenzi, Carlo Cifarelli, Ascanio D'Andrea and Riccardo Montalbano** – *SITAR - Sistema Informativo Territoriale Archeologico di Roma APIs and Open Data services for a new archaeological data-sharing policy*

**17:10** - 17:25 [CEST] online

**Eric C. Kansa** – *Technology that Enables Rather than Distracts: Lessons from Open Context and Sustaining Open Archaeological Data*

**17:25** - 17:55 [CEST] online

**Florian Thiery** – *Challenges in research community building: integrating Terra Sigillata (Samian) Research into the Wikidata community*

**17:40** - 17:55 [CEST] in presence

**Julian Bogdani, Marco Montanari** – *Towards Bradypus v.5: Interconnecting the archaeological research*

**17:55** - 18:10 [CEST]

**Discussion**



**From 20:00** [CEST]

**Social dinner – For information and booking:**  
[paolo.rosati@uniroma1.it](mailto:paolo.rosati@uniroma1.it)

# 23 September 2022



10:35 - 11:50 [CEST]

Coffee break

## PANEL 5

### Electronic Publishing and Open Science in Archaeology

Chair and Introduction by **Alessandra Caravale** and **Alessandra Piergrossi**

09:00 - 09:05 [CEST] online

*Introduction to the panel*

09:05 - 09:20 [CEST] online

**Gaëlle Coqueugniot, Virginie Fromageot-Laniepce** – *On the road to open access: Insights from French antiquity journals and databases*

09:20 - 09:35 [CEST] online

**Alain Queffelec, Marta Arzarello, Ruth Blasco, Otis Crandell, Luc Doyon, Sian Halcrow, Emma Karoune, Bruno Maureille, Aitor Ruiz-Redondo and Philip Van Peer** – *Peer Community In Archaeology: A community-driven free and transparent system for preprints peer-reviewing*

09:35 - 09:50 [CEST] online

**Marco Montanari** – *Crossover! Digital Public History / Digital Archaeology / Virtual Roleplaying Games*

09:50 - 10:05 [CEST] online

**Andrea Bellotti, Luca Luppino, Maria Messineo and Mickey Scarcella** – *Spring Archaeology: a gathering project for emerging researchers*



10:05 - 10:20 [CEST]

Coffee break

10:20 - 10:35 [CEST] in presence

**Marco Montanari and Lorenzo Gigli** – *Beyond Silos - A look at static publishing*

10:35 - 10:50 [CEST] in presence

**Nicolò Paraciani, Irene Rossi** – *An open image atlas for the journal "Archeologia e Calcolatori"*

10:50 - 11:05 [CEST] online

**Francesca Buscemi, Marianna Figuera, Giovanni Gallo, Angelica Lo Duca and Andrea Marchetti** – *An open source and collaborative framework for sharing structured archaeological 3D data*

11:05 - 11:20 [CEST] in presence

**Marco Moderato, Roberto Taglioretti, Alessandra Mazzucch and Vasco La Salvia** – *MAPOD4D: A Multi/Metaverse for Archaeology, Anthropology and Cultural Heritage*

11:20 - 11:35 [CEST]

**Discussion** – Invited discussant **Paola Moscati**

## PANEL 6

### From wiki projects to OpenStreetMap, collaborative approaches to open data creation: problems, case studies, territorial and cultural impact

Chair and Introduction by **Saverio Giulio Malatesta** and **Paolo Rosati**

11:50 - 12:05 [CEST] online

**Florian Thiery, Allard Mees and John Brady Kiesling** – *Challenges in research community building: integrating Terra Sigillata (Samian) Research into the Wikidata community*

12:05 - 12:20 [CEST] in presence

**Mariflora Caruso, Paola La Torre and Roberta Manzollino** – *The enhancement of local museums through Wikipedia: the MedAniene project*

12:20 - 12:35 [CEST] in presence

**Marco Montanari, Lucia Marsicano, Silvia Bernardoni and Raffaele Trojanis** – *Tools for citizen-driven digital public history - a fireside chat*

12:35 - 12:50 [CEST] in presence

**Saverio Giulio Malatesta, Marco Montanari and Paolo Rosati** – *Open tools and technologies for analysing and sharing cultural and landscape heritage*

12:50 - 13:05 [CEST]

**Discussion**



13:05 - 15:00 [CEST]

Lunch break

## PANEL 7

### Moving in the past: open solutions for data set design, spatial analysis and spatial statistical methods to investigate movement in Antiquity

Chair by **Domizia D'Erasmus** and **Noemi Giovino**

15:00 - 15:15 [CEST] online

**Anita Graser** – Introduction to the panel

15:15 - 15:30 [CEST] in presence

**Dimitrij Mlekuž Vrhovnik** – *The potential of open lidar datasets for thinking about past mobility*

15:30 - 15:45 [CEST] online

**Maria Carina Dengg** – *Viabundus. Map of premodern European transport and mobility*

**15:45** - 16:00 [CEST] online

**Aleksandr Diachenko, Iwona Sobkowiak-Tabaka** – *Smallest-scale movement: Tracing the intra-site relocation of hunter-gatherers*

**16:00** - 16:15 [CEST] in presence

**Gabriele Ciccone** – *From the Itinerarium Antonini and al-Idrisi to the movecost plug-in: study of the viability in the Castronovo di Sicilia area by comparing traditional sources and least-cost path analysis*

**16:15** - 16:30 [CEST] in presence

**Marco Montanari and Lorenzo Gigli** – *Using modern standards in the past - HTFS*

**16:30** - 16:45 [CEST] in presence

**Paolo Rosati** – *ArchaeoGIS A QGIS processing toolbox for archaeologists spatial analysis*

**16:45** - 17:00 [CEST]

**Discussion**



**17:00** - 17:15 [CEST]

**Coffee break**

## PANEL 8

### Maps to the past. Open digital approaches to the investigation of historical maps

Chair and Introduction by **Julian Bogdani and Valeria Vitale**

**17:15** - 17:20 [CEST] in presence

Introduction to the panel

**17:20** - 17:35 [CEST] in presence

**Valeria Vitale, Katherine McDonough, Rainer Simon, YaoYi Chiang, Zekun Li, Jina Kim and Deborah Holmes-Wong** – *Beyond Labels: computational approaches to text on maps*

**17:35** - 17:50 [CEST] online

**Julian Bogdani, Domizia D’Erasmus** – *Backward engineering historical maps: the case of 18th century gazetteer of the Napoleonic map of Egypt*

**17:50** - 18:05 [CEST] online

**Marco Montanari** – *Revising the Gazetteer model - Places Of The Past*

**18:05** - 18:20 [CEST] in presence

**Sandra Leonardi** – *Geographical web storage mapping proposal*

**18:20** - 18:35 [CEST]

**Discussion** – Invited discussants **Drake Zabriskie and David Rumsey**

### Scientific Comittee

Julian Bogdani, Sapienza University of Rome

Paola Buzi, Sapienza University of Rome

Elena Calandra, MiBACT. Rome

Stefano Costa, MiBACT. Rome

Emanuel Demetrescu, CNR. Rome

Benjamin Duche, DAI. Berlin

Gabriele Gattiglia, University of Pisa

Saverio Giulio Malatesta, DigiLab, Sapienza University of Rome

Anna Marras, University of Turin

Paola Moscati, CNR. Rome

Augusto Palombini, CNR ITABC. Rome

### Panellists

Stefano Costa

Emanuel Demetrescu

Enzo Cocca

Gianluca Martinez

Fabian Riebschläger

Thomas Kleinke

Julian Bogdani

Riccardo Motalbano

Alessandra Caravale

Alessandra Piergrossi

Marco Montanari

Lorenzo Gigli

Saverio Giulio Malatesta

Paolo Rosati

Domizia D’Erasmus

Noemi Giovino

Valeria Vitale



Scan the QR Code for the online programme

<https://www.archeofoss.org/2022/programme>

### Other information

<https://www.archeofoss.org/>