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

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22 September 2022

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

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 a Castelseprio: integrazione progressiva di un sistema di gestione integrata del dato di scavo*

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

23 September 2022

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] in presence

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**

🍵 **10:35** - 11:50 [CEST]
Coffee break

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'Erasmo 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 – *ArchaeoloGIS 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'Erasmo – *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 Ducke, 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

Scan the QR Code for the online programme

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

Other information

https://www.archeofoss.org/

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'Erasmo

Noemi Giovino

Valeria Vitale