Paola Derudas
Archaeology
Digital Archaeology Laboratory DARK Lab
TETRARCHs Transforming Data Reuse in Archaeology
DIAD (Digital Integration Across Disciplines) Advancing Cultural Heritage
Documentation
Type of address: Visiting address.
Helgonavägen 3
Rm LUX:A113
Lund
Sweden
Type of address: Postal address.
Box 192
221 00
Lund
Sweden
Email: paola.derudas@ark.lu.se
Phone: +46462227932

Research

Dr. Paola Derudas is a researcher in Digital Archaeology. She completed her PhD in Archaeology on the application of 3D-based and digital technologies in archaeological practice at Lund University in 2023.
She studied archaeology at the University of Sassari in Italy and obtained a specialization in Archaeology in 2018. She got a University master's in Archaeology and Architecture at the University of Rome, La Sapienza, in 2011.
She has participated in several international investigation projects in terrestrial and maritime archaeology and gained experience designing and developing web-based information systems for documenting, managing, and publishing data from archaeological investigations. She has also been involved in the activities of the Archaeological Excavation Modelling Working Group within the Ariadne Plus project.
Her research, bolstered by a strong international network, focuses on using web 3D visualization and semantic technologies to improve archaeological practice. By integrating these tools, she aims to create novel comprehensive understanding and uses of archaeological data while following FAIR principles and supporting open science.

Employment

Researcher
Archaeology
Lund University
Lund, Sweden
2018 Sept 1 → present

Researcher
DIAD (Digital Integration Across Disciplines) Advancing Cultural Heritage Documentation
Lund University
Sweden
2021 Mar 25 → present

Internship
Institut national d'histoire de l'art (INHA)
Paris, France
2021 Feb 1 → 2021 Jul 31

Research outputs

Observing Reuse of 3D data in archaeological excavations
Derudas, P., Dell'Unto, N., Berggren, Å., Campanaro, D. M., Svensson, A., Fauvelle, M., Larsson, J. & Dininno, D., 2026 Feb, In: Internet Archaeology. 71, 29 p.

Disability and Care in Late Medieval Lund, Sweden: An Analysis of Trauma and Intersecting Identities, Aided by Photogrammetric Digitization and Visualization

Nolan, B., Tornberg Fritz, S., Derudas, P., Dininno, D. & Tornberg, A., 2025 Apr 10, In: Open Archaeology. 11, 1, 18 p., 20250043.

IBE meets AIR: A framework for structured archaeological reasoning and digital reconstruction
Campanaro, D. M., Derudas, P., Thomsen, M. H., Foley, B. & Nurra, F., 2025, In: Digital Heritage. 10 p.

The Dynamic Collections: a 3D Web Platform of Archaeological Artefacts designed for Data Reuse and Deep Interaction
Callieri, M., Berggren, Å., Dell'Unto, N., Derudas, P., Dininno, D., Ekengren, F. & Naponiello, G., 2025, *Advances in Digital Archaeology: Proceedings of the 2023 Conference Computer Applications and Quantitative Methods in Archaeology – 50 Years of Synergy.* Verhagen, J. W. H. P., Waagen, J., Brandsen, A., Queffelec, A., Visser, R. M. & Taelman, D. (eds.). Sidestone Press, p. 87-96 12 p.

Towards New Futures for Archaeological Data Production: Challenging Archaeonormativity through Storytelling
Perry, S., Simandiraki-Grimshaw, A., Morgan, C., Taylor, J. S., Fadioui, A., Foket, L., Hacigüzeller, P., Sampatakou, D. V., Derudas, P., Wright, H. & Clough, A., 2025, In: Journal of Field Archaeology. 50, 8, p. 796-815 20 p.

Managing Data from Maritime Archaeology Investigations: AIR at Gribshunden
Derudas, P. & Foley, B., 2024 Jan 31, In: Acta Archaeologica. 94, 1, p. 146–166 21 p., 1.

A view from the hill: Stratigraphic account and chronological interpretation
Svensson, A. & Derudas, P., 2024, *Västra Vång: An Iron Age Settlement in Central Blekinge, Sweden.* Henriksson, M. (ed.). Karlskrona: Blekinge museum, p. 59-87 29 p.

Dynamic Collection Plus: A 3D web infrastructure designed to support higher education and research in archaeology
Ekengren, F., Dell'Unto, N., Callieri, M., Derudas, P., Campanaro, D. M., Naponiello, G., Ottosson Berggren, Å., Arvidsson, E. & Ringdahl, R., 2024

Excavations ON-AIR: How archaeological practice reshapes digital tools
Derudas, P., 2024, *Go to digital. Methods and technological systems from landscape to artifacts for archaeological surveys.* Vacatello, F. (ed.). Roma: Quasar, p. 15-24 10 p. (PAST - Percorsi Strumenti e Temi di Archeologia; vol. 14).

From AIR to (AI)R: The use of LLM for interpreting archaeological excavation data
Nurra, F., Dell'Unto, N. & Derudas, P., 2024.

The Blera Archaeological Project: Investigating Etruscan Urbanism through Multi-Resolution Archaeology
Olsson, H., Landeschi, G., Kucukdemirci, M. & Derudas, P., 2024, p. 116-117.

Semantic Modelling of Archaeological Excavation Data: A review of the current state of the art and a roadmap of activities
Katsianis, M., Bruseker, G., Nenova, D., Marlet, O., Hivert, F., Hiebel, G., Ore, C.-E., Derudas, P., Opitz, R. & Uleberg, E., 2023 Oct 31, In: Internet Archaeology. 64

New AIR for the Archaeological Process? The use of 3D web Semantic for Publishing Archaeological Reports
Derudas, P., Nurra, F. & Svensson, A., 2023 Aug 9, In: Journal on Computing and Cultural Heritage. 16, 3, p. 1-28 28 p., 57.

Documenting, Interpreting, Publishing, and Reusing: Linking archaeological reports and excavation archives in the virtual space
Derudas, P., 2023 May 12, Lund: Lund University. 129 p.

Bringing Excavation Data Together: Are We There Yet and Where is That?
Nenova, D., Bruseker, G., Derudas, P., Hiebel, G., Hivert, F., Katsianis, M., Marlet, O., Opitz, R., Ore, C.-E. & Uleberg, E., 2022 Sept 27.

Virtual Workshop on Semantic mapping of archaeological excavation data
Katsianis, M. (Editor), Styliaras, G. (Editor), Derudas, P., Brusaker, G., Hiebel, G., Hivert, F., Katsianis, M., Kritsotakis, V., Marlet, O., Nenova, D., Nurra, F., Styliaras, G., Smith Ore, C.-E. & Theodoridou, M., 2022 Sept 26, 35 p.

Archaeological Interactive Report: AIR
Derudas, P. & Nurra, F., 2022

Archaeological Publication Systems: Which route to take? A compass for addressing future development
Derudas, P., 2021 Dec 11, *Web3D '21: The 26th International Conference on 3D Web Technology.* Ganovelli, F., Mc Donald, C., Banterle, F., Potenziani, M., Callieri, M. & Jung, Y. (eds.). New York: Association for Computing Machinery (ACM), p. 1-6 6 p. 13

Expanding Field-Archaeology Education: The Integration of 3D Technology into Archaeological Training
Derudas, P. & Berggren, Å., 2021 Jul 6, In: Open Archaeology. 7, 1, p. 556-573 18 p.

Sharing archaeological knowledge: The Interactive Reporting System
Derudas, P., Dell'Unto, N., Callieri, M. & Apel, J., 2021, In: Journal of Field Archaeology. 46, 5, p. 303-315 13 p.

Kämpinge Interactive Reporting System
Derudas, P., Dell'Unto, N., Callieri, M. & Apel, J., 2020 Dec 1, Department of Archaeology and Ancient History, Lund University.

The Republican Forum Romanum
Gerding, H., Dell'Unto, N., Lindgren, S., Campanaro, D. M. & Derudas, P., 2020 Dec 1

Kämpinge Interactive Reporting System
Derudas, P., Callieri, M., Dell'Unto, N. & Apel, J., 2020 Oct 4

Dynamic Collections Legacy: A 3D web infrastructure designed to support higher education and research in archaeology
Callieri, M., Dell'Unto, N., Ekengren, F., Campanaro, D. M., Berggren, Å., Derudas, P. & Dininno, D., 2020

Dig it and Dig it again
Derudas, P., Dell'Unto, N., Landeschi, G. & Callieri, M., 2019, p. 26-26. 260 p.

A 3D Digital Approach for the Study and Presentation of the Bisarcio Site
Derudas, P., Sgarella, M. C. & Callieri, M., 2018, *CAA2016: Oceans of Data. Proceedings of the 44th Conference on Computer Applications and Quantitative Methods in Archaeology.* Matsumoto, M. & Uleberg, E. (eds.). Oxford: Archaeopress, p. 389-398 10 p.

La villa di Osilo: Fonti scritte e primi dati archeologici
Derudas, P., 2009, Cargeghe: Editoriale Documenta. 112 p.

Activities

The archaeological evidence of the gold foil figures from Västra Vång, Blekinge.
Henriksson, M. (Presenter), Lövfving, I. (Presenter), Derudas, P. (Role not specified), Fauvelle, M. (Role not specified), Fischer, S. (Role not specified) & Svensson, A. (Role not specified)
2026 May 16

Archaeological Interactive Report. Introduction
Derudas, P. (Presenter)
2025 Nov 26

Using AIR to handle and share archaeological investigations
Derudas, P. (Lecturer)
2025 Nov 24

The use of AIR and AI for contextualising legacy data from medieval church cemeteries
Derudas, P. (Presenter) & Nurra, F. (Presenter)
2025 Nov 20

Digital Nautical Network for Nautical Archaeology
Derudas, P. (Organiser) & Haugstrup Thomsen, M. (Organiser)
2025 Nov 19 → 2025 Nov 21

Introducing AIR: a recording and dissemination system for excavation data
Derudas, P. (Presenter)
2025 Nov 19

3D Visualisation and FAIR Archaeological Practice. Perspectives of a System's Designer, User, and Mediator
Derudas, P. (Invited speaker)
2025 Nov 5

Using AIR to enhance documentation and interpretation of human remains in osteoarchaeology
Derudas, P. (Presenter)
2025 Oct 24

Paradata in 3D Scholarship
Papadopoulos, C. (Organiser), Huvila, I. (Organiser), Navarrete Hernandez, T. (Organiser), Zumkley, K. (Organiser), Rossi, V. (Organiser) & Derudas, P. (Participant)
2025 Sept 15 → 2025 Sept 19

Chair of the Scientific Committee at the European Cloud for Heritage Open Science (ECHOES)
Derudas, P. (Chair)
2025 Jun 12 → 2029 May 29

From structured data to reuse and beyond: (AIR)²? Artificial Intelligence to Reuse Data through the Archaeological Interactive Report
Derudas, P. (Presenter), Nurra, F. (Presenter) & Dell'Unto, N. (Role not specified)
2025 May 8

Do machines see better than us? (Les machines voient-elles mieux que nous ?)
Derudas, P. (Presenter) & Nurra, F. (Presenter)
2025 Apr 9

The Management Board for DARKLab – The Lund University Digital Archaeology Laboratory
Dell'Unto, N. (Chair), Ottosson Berggren, Å. (Member), Ekengren, F. (Member), Derudas, P. (Member), Campanaro, D. M. (Member) & Landeschi, G. (Member)
2025

From AIR to (AI)R: the use of LLM for interpreting archaeological excavation data
Nurra, F. (Presenter) & Derudas, P. (Presenter)
2024 Dec 12

30th EAA Annual Meeting in Rome
Olsson, H. (Speaker), Landeschi, G. (Contributor), Kucukdemirci, M. (Contributor) & Derudas, P. (Contributor)
2024 Aug 30

Workshop on advanced 3D archaeological documentation and linked open data
Derudas, P. (Organiser), Dell'Unto, N. (Invited speaker), Nurra, F. (Invited speaker), Katsianis, M. (Invited speaker), Perry, S. (Invited speaker), Taylor, J. (Invited speaker), Poehler, E. (Invited speaker), Ellis, S. (Invited speaker), Larsson, Å. (Invited speaker), Gylling, M. (Invited speaker), Lukas, D. (Invited speaker) & Indgjerd, H. (Role not specified)
2024 Apr 17 → 2024 Apr 19

ON-AIR to handle archaeological excavation data
Derudas, P. (Invited speaker)
2024 Apr 10

The Management Board for DARKLab – THe Lund University Digital Archaeology Laboratory
Dell'Unto, N. (Chair), Ottosson Berggren, Å. (Member), Ekengren, F. (Member), Derudas, P. (Member), Campanaro, D. M. (Member) & Landeschi, G. (Member)
2024

Archaeological Interactive Report: a trait d'union between data management and semantic publication
Derudas, P. (Presenter) & Nurra, F. (Presenter)
2023 Sept 23

Omeka S Developer Event, 20-22 Sep 2023, Ghent
Derudas, P. (Participant)
2023 Sept 20 → 2023 Sept 22

CAA 2023
Derudas, P. (Contributor)
2023 Apr 3 → 2023 Apr 6

Using AIR for managing data from archaeological investigations. A focus on spatial data
Derudas, P. (Invited speaker)
2023 Feb 23

Using AIR for managing data from archaeological investigations
Derudas, P. (Invited speaker)
2023 Feb 22

Managing excavation data within AIR. The Archaeological Interactive Report
Derudas, P. (Invited speaker)
2022 Nov 17

Seminar on digital documentation and visualisation from Västra Vång
Derudas, P. (Invited speaker)
2022 Nov 11

Archaeological Interactive Report: a trait d'union between data management and semantic publication
Derudas, P. (Presenter) & Nurra, F. (Presenter)
2022 Jun 15

Engaging with the Past in Three Dimensions, The use of 3D Visualization technology in support of archaeological practice.
Derudas, P. (Invited speaker) & Dell'Unto, N. (Invited speaker)
2021 May 10

Constructing Narratives and Mapping Practice: The use of 3D WEB Visualization technology in Support of Archaeological Interpretation
Derudas, P. (Invited speaker) & Dell'Unto, N. (Invited speaker)

2021 May 6

"The Ship That Changed the World", PBS NOVA documentary
Foley, B. (Presenter), Macheridis, S. (Interviewee), Derudas, P. (Interviewee), Hansson, M. (Interviewee), Eriksson, N. (Interviewee), Muter, D. (Interviewee), Mostadius, M. (Contributor), Linderson, H. (Interviewee), Dell'Unto, N. (Contributor), Siddal, M. (Interviewee), Seymour, B. (Contributor), Adams, J. (Interviewee) & Rönnby, J. (Interviewee)
2020

Dig it, and Dig it again
Derudas, P. (Presenter), Dell'Unto, N. (Presenter), Landeschi, G. (Presenter) & Callieri, M. (Presenter)
2019 Apr 26

ForArk nätverksmöte 2018:2
Nilsson, B. (Organiser), McWilliams, A. (Chair), Dell'Unto, N. (Organiser), Landeschi, G. (Invited speaker), Derudas, P. (Invited speaker), Foley, B. (Contributor), Svensson, A. (Contributor) & Ekengren, F. (Contributor)
2018 Dec 12 → 2018 Dec 13

Projects

AIR: Archaeological Interactive Report
Derudas, P. (PI), Nurra, F. (Researcher) & Dell'Unto, N. (Supervisor)
2021/05/31 → …

Co-Create
Dell'Unto, N. (PI), Derudas, P. (Researcher), Campanaro, D. M. (Researcher), Lorentz Hjorth, C. (Researcher), Nolan, B. J. (Researcher), Tornberg, A. (Researcher), Lindgren, S. (Research engineer), Lorentz, M. (Researcher) & Alce, G. (Researcher)
2025/05/01 → 2026/01/31

DIAD: Digital Integration Across Disciplines: Advancing Cultural Heritage Documentation DIAD
Burenhult, N. (PI), Dell'Unto, N. (PI), Kruspe, N. (Researcher), Nilsson, B. (Researcher), Derudas, P. (Researcher), Larsson, J. (Research engineer), Ottosson Berggren, Å. (Researcher), Svensson, A. (Researcher), Campanaro, D. M. (Researcher) & Obert, K. (Researcher)
2021/01/01 → 2026/08/31

Documenting, Interpreting, Publishing and Re-using
Derudas, P. (Researcher), Dell'Unto, N. (Supervisor), Nilsson, B. (Assistant supervisor) & Callieri, M. (Assistant supervisor)
2018/09/01 → 2023/07/27

Dynamic Collections
Dell'Unto, N. (PI), Ekengren, F. (CoPI), Callieri, M. (CoPI), Ottosson Berggren, Å. (Researcher), Campanaro, D. M. (Researcher), Derudas, P. (Researcher) & Naponiello, G. (Research engineer)
Einar Hansens Forskningsfond
2018/09/01 → 2026/12/31

Dynamic Collections
Dell'Unto, N. (PI), Ekengren, F. (CoPI), Callieri, M. (Researcher), Ottosson Berggren, Å. (Researcher), Campanaro, D. M. (Researcher), Derudas, P. (Researcher) & Naponiello, G. (Research engineer)
Thora Ohlssons stiftelse
2019/03/12 → 2026/12/31

GRIBSHUNDEN Shipwreck 2019
Foley, B. (PI), Rönnby, J. (PI), Nilsson, B. (Researcher), Dell'Unto, N. (Researcher) & Derudas, P. (Research student)
Crafoord Foundation
2019/06/27 → 2021/06/26

Iron Age Blekinge I: Västra Vång

Nilsson, B. (PI), Landeschi, G. (Researcher), Gustin, I. (Researcher), Hood, A. (Researcher), Dell'Unto, N. (Researcher), Alexanderson, H. (Researcher), Hansson, M. (Researcher), Ekengren, F. (Researcher), Derudas, P. (Research student), Helgesson, B. (Researcher), Henriksson, M. (PI), Svensson, A. (Researcher) & Rossi, M. (Researcher)
2012/01/01 → 2030/12/31

San Salvatore Hypogeum

Dell'Unto, N. (PI), Derudas, P. (Researcher), Campanaro, D. M. (Researcher) & Camedda, N. (Researcher)
2025/10/06 → …

ForArk: Swedish Forensic-Archaeological Network

McWilliams, A. (PI), Nilsson, B. (PI), Dell'Unto, N. (PI), Derudas, P. (Research student), Ekengren, F. (Researcher), Landeschi, G. (Researcher), Svensson, A. (Research student), Sjöstrand, M. (Researcher) & Sunnqvist, M. (Researcher)
2018/01/01 → …

TETRARCHs: Transforming data reuse in archaeology

Derudas, P. (Researcher) & Dell'Unto, N. (PI)
2023/09/01 → 2025/10/03