

Paola Derudas
Arkeologi
Digital Arkeologi Laboratoriet DARK Lab
DIAD (Digital Integration Across Disciplines) Advancing Cultural Heritage
Documentation
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Forskning

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.

Anställning

Forskare

Arkeologi
Lunds universitet
Lund, Sverige
2018 sep. 1 → present

Digital Arkeologi Laboratoriet DARK Lab

Lunds universitet
2018 sep. 1 → present

Forskare

DIAD (Digital Integration Across Disciplines) Advancing Cultural Heritage Documentation
Lunds universitet
Sverige
2021 mars 25 → present

Internship

Institut national d'histoire de l'art (INHA)
Paris, Frankrike
2021 feb. 1 → 2021 juli 31

Forskningsoutput

Observing Reuse of 3D data in archaeological excavations

Derudas, P., Dell'Unto, N., Berggren, Å., Campanaro, D. M., Svensson, A., Fauvelle, M., Larsson, J. & Dinunno, D., 2026 feb., I: Internet Archaeology. 71, 29 s.

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, I: *Open Archaeology*. 11, 1, 18 s., 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, I: *Digital Heritage*. 10 s.

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., Hacıgüzeller, P., Sampatakou, D. V., Derudas, P., Wright, H. & Clough, A., 2025, I: *Journal of Field Archaeology*. 50, 8, s. 796-815 20 s.

Managing Data from Maritime Archaeology Investigations: AIR at Gribshunden

Derudas, P. & Foley, B., 2024 jan. 31, I: *Acta Archaeologica*. 94, 1, s. 146-166 21 s., 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. (red.). Karlskrona: Blekinge museum, s. 59-87 29 s.

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. (red.). Roma: Quasar, s. 15-24 10 s. (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, s. 116-117.

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., 2023 nov. 2, (E-pub ahead of print) *50th Computer Applications and Quantitative Methods in Archaeology Conference (CAA 2023)*. Peer Community In Archaeology, 11 s.

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 okt. 31, I: *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, I: *Journal on Computing and Cultural Heritage*. 16, 3, s. 1-28 28 s., 57.

Documenting, Interpreting, Publishing, and Reusing: Linking archaeological reports and excavation archives in the virtual space

Derudas, P., 2023 maj 12, Lund: Lund University. 129 s.

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 sep. 27.

Virtual Workshop on Semantic mapping of archaeological excavation data

Katsianis, M. (redaktör), Styliaras, G. (redaktör), 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 sep. 26, 35 s.

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. (red.). New York: Association for Computing Machinery (ACM), s. 1-6 6 s. 13

Expanding Field-Archaeology Education: The Integration of 3D Technology into Archaeological Training

Derudas, P. & Berggren, Å., 2021 juli 6, I: *Open Archaeology*. 7, 1, s. 556-573 18 s.

Sharing archaeological knowledge: The Interactive Reporting System

Derudas, P., Dell'Unto, N., Callieri, M. & Apel, J., 2021, I: *Journal of Field Archaeology*. 46, 5, s. 303-315 13 s.

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 okt. 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. & Dinunno, D., 2020

Dig it and Dig it again

Derudas, P., Dell'Unto, N., Landeschi, G. & Callieri, M., 2019, s. 26-26. 260 s.

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. (red.). Oxford: Archaeopress, s. 389-398 10 s.

La villa di Osilo: Fonti scritte e primi dati archeologici

Derudas, P., 2009, Cargeghe: Editoriale Documenta. 112 s.

Aktiviteter

Archaeological Interactive Report. Introduction

Derudas, P. (presentatör)
2025 nov. 26

Using AIR to handle and share archaeological investigations

Derudas, P. (föreläsare)
2025 nov. 24

The use of AIR and AI for contextualising legacy data from medieval church cemeteries

Derudas, P. (presentatör) & Nurra, F. (presentatör)
2025 nov. 20

Digital Nautical Network for Nautical Archaeology

Derudas, P. (organisatör) & Haugstrup Thomsen, M. (organisatör)
2025 nov. 19 → 2025 nov. 21

Introducing AIR: a recording and dissemination system for excavation data

Derudas, P. (presentatör)
2025 nov. 19

3D Visualisation and FAIR Archaeological Practice. Perspectives of a System's Designer, User, and Mediator

Derudas, P. (Inbjuden talare)
2025 nov. 5

Using AIR to enhance documentation and interpretation of human remains in osteoarchaeology

Derudas, P. (presentatör)
2025 okt. 24

Paradata in 3D Scholarship

Papadopoulos, C. (organisatör), Huvila, I. (organisatör), Navarrete Hernandez, T. (organisatör), Zumkley, K. (organisatör), Rossi, V. (organisatör) & Derudas, P. (deltagare)
2025 sep. 15 → 2025 sep. 19

Chair of the Scientific Committee at the European Cloud for Heritage Open Science (ECHOES)

Derudas, P. (ordförande)
2025 juni 12 → 2029 maj 29

From structured data to reuse and beyond: (AIR)? Artificial Intelligence to Reuse Data through the Archaeological Interactive Report

Derudas, P. (presentatör), Nurra, F. (presentatör) & Dell'Unto, N. (Roll ej angiven)
2025 maj 8

Do machines see better than us? (Les machines voient-elles mieux que nous ?)

Derudas, P. (presentatör) & Nurra, F. (presentatör)
2025 apr. 9

Styrgruppen för DARKLab – Laboratoriet för digital arkeologi vid Lunds universitet

Dell'Unto, N. (ordförande), Ottosson Berggren, Å. (medlem), Ekengren, F. (medlem), Derudas, P. (medlem), Campanaro, D. M. (medlem) & Landeschi, G. (medlem)
2025

From AIR to (AI)R: the use of LLM for interpreting archaeological excavation data

Nurra, F. (presentatör) & Derudas, P. (presentatör)
2024 dec. 12

30th EAA Annual Meeting in Rome

Olsson, H. (talare), Landeschi, G. (medverkande), Kucukdemirci, M. (medverkande) & Derudas, P. (medverkande)
2024 aug. 30

Workshop on advanced 3D archaeological documentation and linked open data

Derudas, P. (organisatör), Dell'Unto, N. (inbjuden talare), Nurra, F. (inbjuden talare), Katsianis, M. (inbjuden talare), Perry, S. (inbjuden talare), Taylor, J. (inbjuden talare), Poehler, E. (inbjuden talare), Ellis, S. (inbjuden talare), Larsson, Å. (inbjuden talare), Gylling, M. (inbjuden talare), Lukas, D. (inbjuden talare) & Indgjerd, H. (Roll ej angiven)

2024 apr. 17 → 2024 apr. 19

ON-AIR to handle archaeological excavation data

Derudas, P. (Inbjuden talare)
2024 apr. 10

Styrgruppen för DARKLab – Laboratoriet för digital arkeologi vid Lunds universitet

Dell'Unto, N. (ordförande), Ottosson Berggren, Å. (medlem), Ekengren, F. (medlem), Derudas, P. (medlem), Campanaro, D. M. (medlem) & Landeschi, G. (medlem)
2024

Archaeological Interactive Report: a trait d'union between data management and semantic publication

Derudas, P. (presentatör) & Nurra, F. (presentatör)
2023 sep. 23

Omeka S Developer Event, 20-22 Sep 2023, Ghent

Derudas, P. (deltagare)
2023 sep. 20 → 2023 sep. 22

CAA 2023

Derudas, P. (medverkande)
2023 apr. 3 → 2023 apr. 6

Using AIR for managing data from archaeological investigations. A focus on spatial data

Derudas, P. (Inbjuden talare)
2023 feb. 23

Using AIR for managing data from archaeological investigations

Derudas, P. (Inbjuden talare)
2023 feb. 22

Managing excavation data within AIR. The Archaeological Interactive Report

Derudas, P. (Inbjuden talare)
2022 nov. 17

Seminar on digital documentation and visualisation from Västra Vång

Derudas, P. (Inbjuden talare)
2022 nov. 11

Archaeological Interactive Report: a trait d'union between data management and semantic publication

Derudas, P. (presentatör) & Nurra, F. (presentatör)
2022 juni 15

Engaging with the Past in Three Dimensions, The use of 3D Visualization technology in support of archaeological practice.

Derudas, P. (Inbjuden talare) & Dell'Unto, N. (Inbjuden talare)
2021 maj 10

Constructing Narratives and Mapping Practice: The use of 3D WEB Visualization technology in Support of Archaeological Interpretation

Derudas, P. (Inbjuden talare) & Dell'Unto, N. (Inbjuden talare)
2021 maj 6

"The Ship That Changed the World", PBS NOVA documentary

Foley, B. (presentatör), Macheridis, S. (intervjuad), Derudas, P. (intervjuad), Hansson, M. (intervjuad), Eriksson, N. (intervjuad), Muter, D. (intervjuad), Mostadius, M. (medverkande), Linderson, H. (intervjuad), Dell'Unto, N. (medverkande), Siddal, M. (intervjuad), Seymour, B. (medverkande), Adams, J. (intervjuad) & Rönby, J. (intervjuad)

2020

Dig it, and Dig it again

Derudas, P. (presentatör), Dell'Unto, N. (presentatör), Landeschi, G. (presentatör) & Callieri, M. (presentatör)
2019 apr. 26

ForArk nätverksmöte 2018:2

Nilsson, B. (organisatör), McWilliams, A. (ordförande), Dell'Unto, N. (organisatör), Landeschi, G. (inbjuden talare),
Derudas, P. (inbjuden talare), Foley, B. (medverkande), Svensson, A. (medverkande) & Ekengren, F. (medverkande)
2018 dec. 12 → 2018 dec. 13

Projekt

AIR: Archaeological Interactive Report

Derudas, P. (PI), Nurra, F. (Forskare) & Dell'Unto, N. (Handledare)
2021/05/31 → ...

Co-Create

Dell'Unto, N. (PI), Derudas, P. (Forskare), Campanaro, D. M. (Forskare), Lorentz Hjorth, C. (Forskare), Nolan, B.
(Forskare), Tornberg, A. (Forskare), Lindgren, S. (Forskningsingenjör), Lorentz, M. (Forskare) & Alce, G. (Forskare)
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. (Forskare), Nilsson, B. (Forskare), Derudas, P. (Forskare), Larsson, J.
(Forskningsingenjör), Ottosson Berggren, Å. (Forskare), Svensson, A. (Forskare), Campanaro, D. M. (Forskare) & Obert,
K. (Forskare)
2021/01/01 → 2026/08/31

Documenting, Interpreting, Publishing and Re-using

Derudas, P. (Forskare), Dell'Unto, N. (Handledare), Nilsson, B. (Biträdande handledare) & Callieri, M. (Biträdande
handledare)
2018/09/01 → 2023/07/27

Dynamic collections

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

Dynamic Collections

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

GRIBSHUNDEN Shipwreck 2019

Foley, B. (PI), Rönby, J. (PI), Nilsson, B. (Forskare), Dell'Unto, N. (Forskare) & Derudas, P. (Forskarstuderande)
Crafoordska stiftelsen
2019/06/27 → 2021/06/26

Järnåldersarkeologi i Blekinge I: Boplatzen Västra Vång och Johannishusåsens landskap

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

ForArk: Nationellt forensiskt arkeologiskt nätverk ForArk

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

San Salvatore Hypogeum

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

TETRARCHs: Transforming data reuse in archaeology

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