

Paola Derudas  
Arkeologi  
Digital Arkeologi Laboratoriet DARK Lab  
DIAD (Digital Integration Across Disciplines) Advancing Cultural Heritage  
Documentation  
Adresstyp: Besöksadress.  
Helgonavägen 3  
Rm LUX:A113  
Lund  
Sverige  
Adresstyp: Postadress.  
Box 192  
221 00  
Lund  
Sverige  
E-post: paola.derudas@ark.lu.se  
Telefon: +46462227932



## 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

### 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.

### **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., Dinunno, 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, 12

### **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**

### **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

### **Scientific Committee member at the European Cloud for Heritage Open Science (ECHOES)**

Derudas, P. (Roll ej angiven)  
2024 → 2027

### **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

**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 → ...

### **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: Boplatsen 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 → ...

### **TETRARCHs: Transforming data reuse in archaeology**

Derudas, P. (Forskare) & Dell'Unto, N. (PI)  
2023/09/01 → 2025/09/30