

Saving European Archaeology from the Digital Dark Age

National Workshop - Serbia, Viminacium, 19 April 2022

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COST Action SEADDA (CA18128) is funded by the Horizon 2020 Framework Programme of the European Union.





The Archaeology Data Service

- Set up in 1996
- Based at the University of York







Mission

Supporting research, learning and teaching with free, high quality and dependable digital resources

- Preserve data
- Free online access to data
- Guidance and support for data creators
- Research

http://guides.archaeologydataservice.ac.uk





Lessons from ARIADNE

- EU FP7 project under the 'Infrastructures' theme, including 23
 European partners across 16 countries
- Four-year project: ended January 2017
- 17 Workpackages primary deliverable: collection level metadata aggregation portal
- Coordinator: PIN Scri Polo Universitario "Città di Prato" at the University of Florence
- Deputy Coordinator: ADS

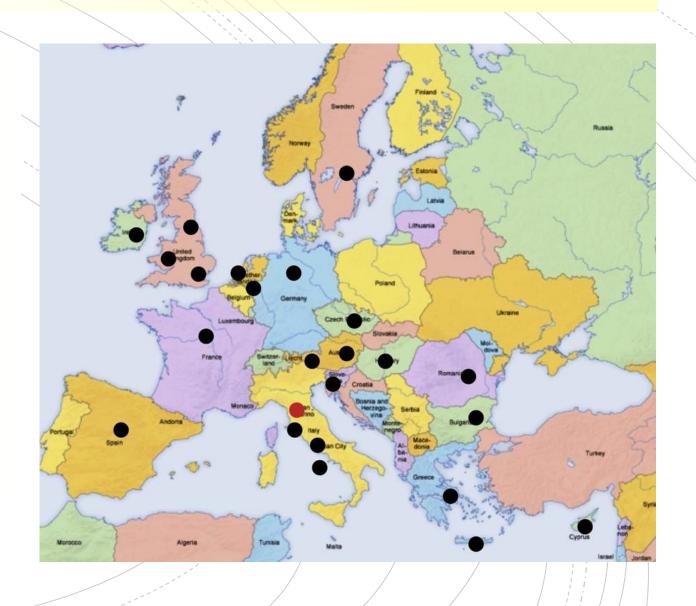






ARIADNE

- 9 ICT organisations
- 14 archaeological organisations
- 15 Associate partners
- External community building
 - Transnational access
 - Training events
 - Special interest groups





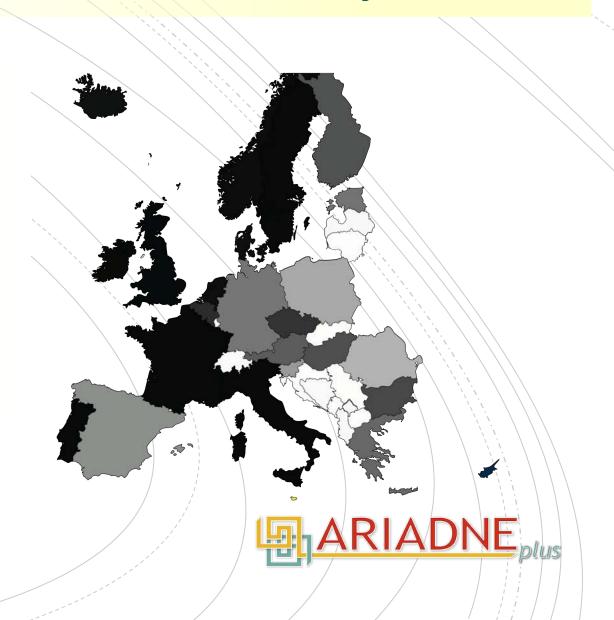


ARIADNEplus

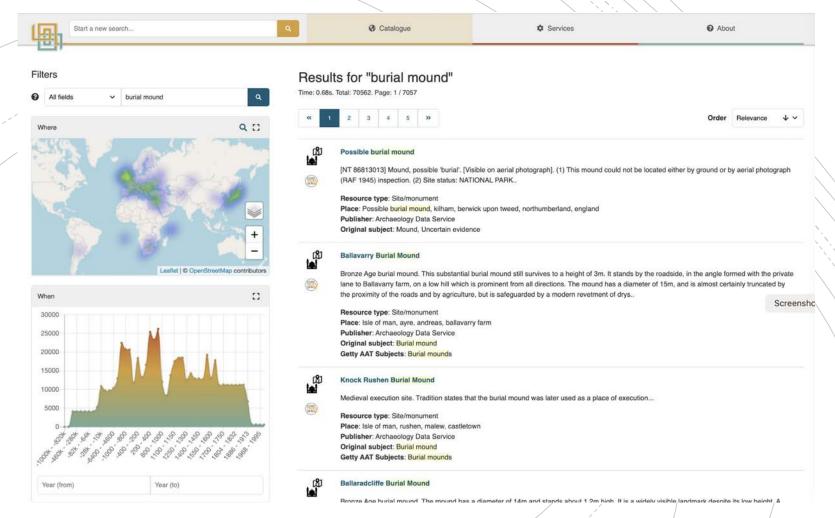
- 41 partners
- 28 countries
- Majority are archaeological partners
- Extending thematic coverage
- Expanding participation

https://ariadne-infrastructure.eu/











https://ariadne-infrastructure.eu/portal/





Internal Capacity Building

- Paper was given in 2015 by partners in Slovenia and Ireland talking about "have's and have nots" when it comes to having an acceptable place for their archaeological data in the long term
- Plans were made to offer data management workshops to partners in their own countries - Austria and Slovenia both accepted





Data management workshops

Local ARIADNE partners
worked hard to make sure
governmental and institutional
stakeholders attended, and
took on understanding and
presenting the state of play in
their country







Data management workshops

Level of interest was much higher than expected:

- Pressure from funders to deposit data into an open repository
- Pressure from institutions to deposit data into an open repository
- Funding available; but no guidance
- No appropriate options for archaeological data
- Conversations continued about how to take expertise within ARIADNE and collaborate beyond current network
- Working together was going to be critical to moving forward





Challenges for Archaeology

- Archaeological data often derived from non-repeatable interventions
- Digital data more fragile and subject to obsolescence
- Risk losing a generation of research – Urgency!



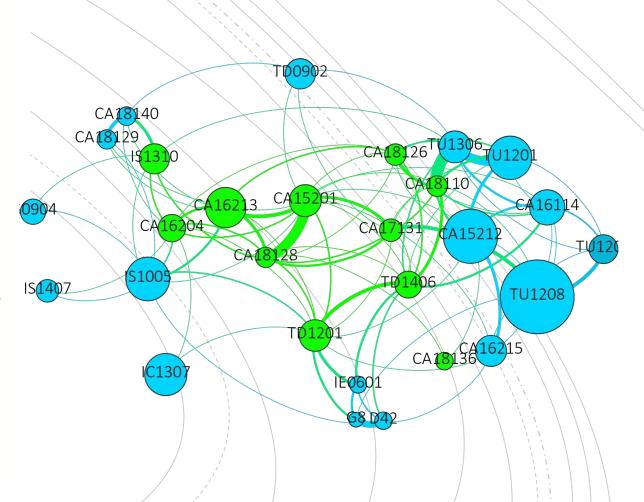


SEADDA COST

COST Action SEADDA: Saving European Archaeology from the Digital Dark Age

Funding (four years) for networking: meetings, training sessions, scientific missions, open access publications

- Members representing 34 countries
- Meant to complement
 Archaeological practices and
 knowledge work in the digital
 environment (ARKWORK)









- Coordinate information collection to understand the current state-of-the-art regarding the preservation, dissemination and re-use of archaeological data.
- Develop a common understanding of international best practice for preservation, dissemination and re-use of archaeological data
- Foster knowledge exchange around international best practice for preservation, dissemination and re-use of archaeological data





Stewardship of archaeological data

Objective: To bring together members with varying levels of experience to share their successes and challenges around the stewardship of archaeological data to create a sub-network.

Practical and ethical considerations will be explored:

- Encouragements and resistances to sharing data and making it openly accessible within archaeology
- Who should be responsible in short and long-term for preservation
 The starting point for those who wish to begin or progress dialogue in their region or country.

National workshops!





Planning for Archiving

Objective: To identify the practical and technical issues surrounding the creation of an appropriate repository for archaeological data

- Understanding hardware and software options
- Management structures
- Training of archivists

The WG identifes existing best practice, changing future needs, and pragmatic technical and structural solutions.





Preservation and Dissemination Best Practice

Objective: Understand current international best practice for archiving and dissemination, and implementation by existing repositories.

- Open Archival Information System (OAIS) model
- The FAIR Principles
- Repository accreditation
- Cost modelling
- Dealing with data types

Will bring together archaeological digital archivists to share current practice, and survey future trends to understand the changing archaeological and digital landscapes (domain and technology watch).





Use and Re-Use of Archaeological Data

Objective: To understand how to optimise archives and interfaces to maximise the use and re-use of archaeological data. To explore how archaeological archives can better respond to user needs, and ways to document and understand both quantitative and qualitative re-use.

- Explore barriers to re-use, such as IPR and licencing
- Explore design of underlying data structures and their interfaces Will focus on initiatives like the FAIR Principles and technologies that improve and optimise searching, issues around how data is created, organised and disseminated, different options for interface design, and developing best practice around qualitative re-use.





State of the Art Publication

Open Access Publications

- Internet Archaeology SEADDA themed issue Digital Archiving in Archaeology: The state of the art
- 28 papers representing the current state of archiving in 28 nations and states.
- Also just published: Data
 Management Policies and
 Practices of Digital
 Archaeological Repositories

Digital Archiving in Archaeology: The State of the Art. Introduction

Julian D. Richards, Ulf Jakobsson, David Novák, Benjamin Štular and Holly Wright

Cite this as: Richards, J.D., Jakobsson, U., Novák, D., Štular, B. and Wright, H. 2021 Digital Archiving in Archaeology: The State of the Art. Introduction, Internet Archaeology 58. https://doi.org/10.11141/ia.58.23



The advent of ubiquitous computing has created a golden age for archaeological researchers and participating publics, but the price is a digital resource that is now in jeopardy. The archaeological record, in digital form, is at risk not simply from obsolescence and media failure,

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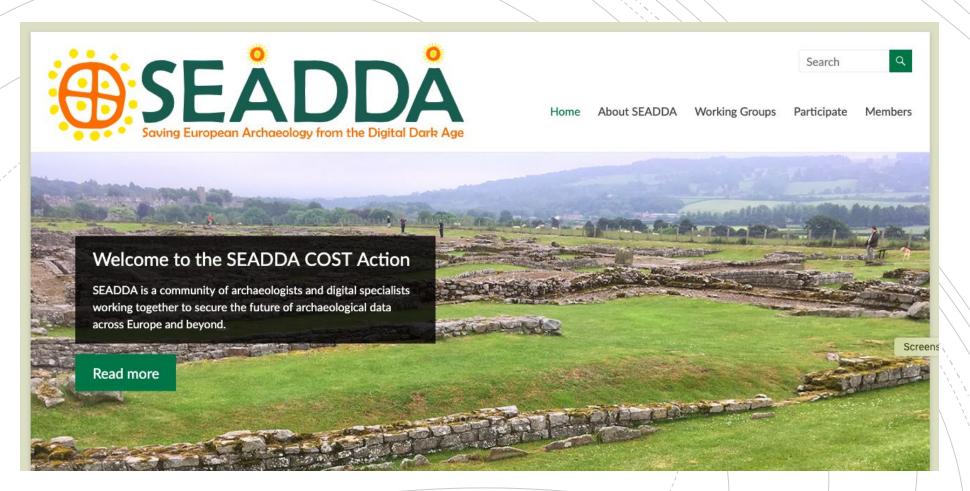
Archaeology Data Service

https://intarch.ac.uk/journal/issue59/2/index.html





Get Involved!



https://www.seadda.eu/





Thank You!!

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