



Intro to Saving European Archaeology from the Digital Dark Age

National Workshop – Dublin, 23 May 2023

Holly Wright | Archaeology Data Service | University of York



UNIVERSITY *of York*



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

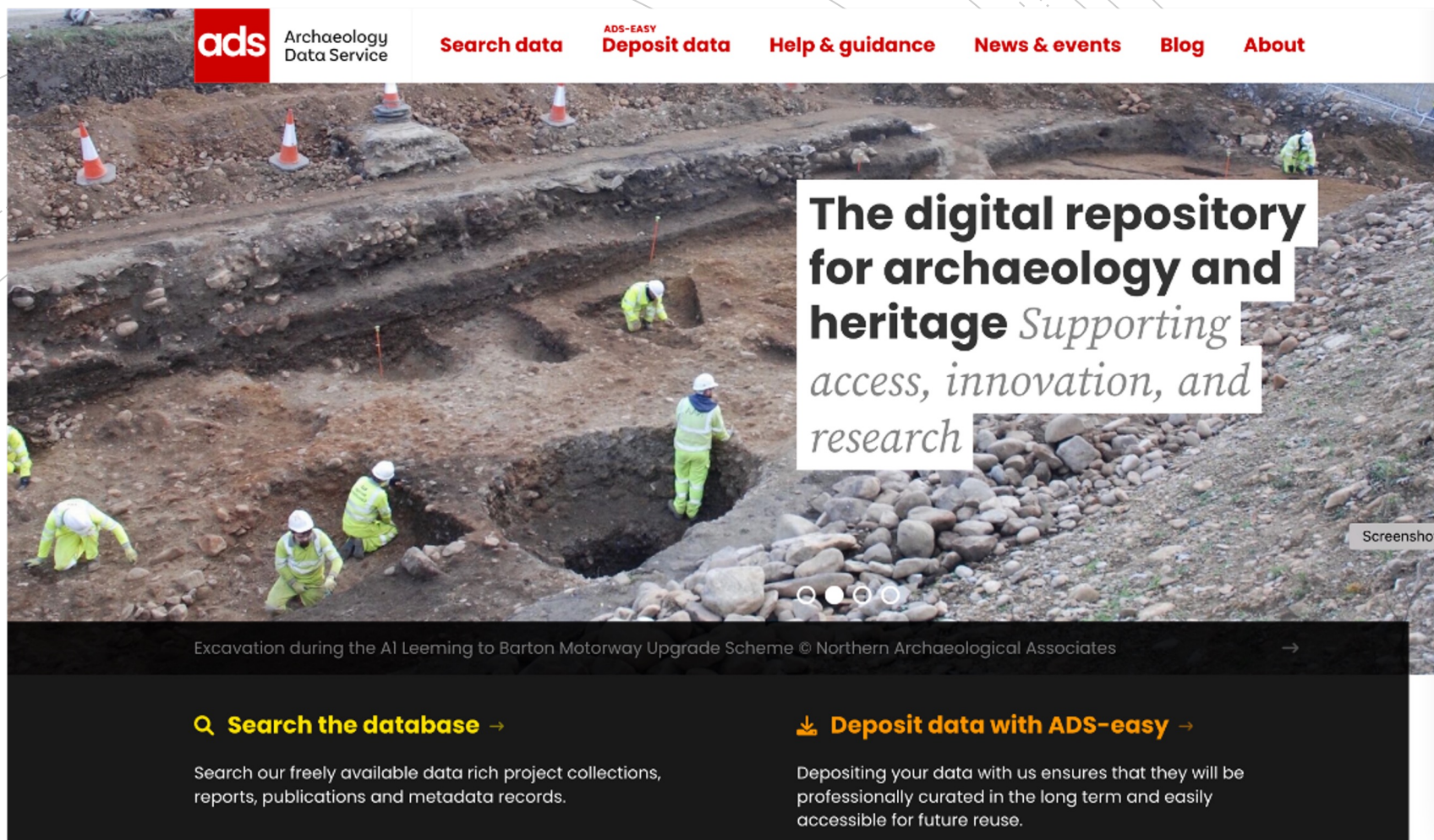


Mission

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>



ads Archaeology Data Service

[Search data](#) [ADS-EASY Deposit data](#) [Help & guidance](#) [News & events](#) [Blog](#) [About](#)

The digital repository for archaeology and heritage *Supporting access, innovation, and research*

Excavation during the A1 Leeming to Barton Motorway Upgrade Scheme © Northern Archaeological Associates

🔍 Search the database →
Search our freely available data rich project collections, reports, publications and metadata records.

📄 Deposit data with ADS-easy →
Depositing your data with us ensures that they will be professionally curated in the long term and easily accessible for future reuse.

What do we disseminate?

ArchSearch: Online catalogue indexing over 1.3 million metadata records including:

- ADS collections
 - ~3,000+ Project Archives
 - 80,000+ Unpublished Fieldwork Reports

Metadata aggregated from over 30 UK national and regional historic environment inventories.



ads ARCHAEOLOGY DATA SERVICE

ADS Main Website Help

RESET QUERY

KEYWORD SEARCH 1407814 results (page 1 OF 28157) << 123 ... >>

▼ WHAT

- ▶ ○ Event 179573
- ▶ ○ Evidence 261855
- ▶ ○ Maritime 69977
- ▶ ○ Monument Types 1267164
- ▶ ○ Object Types 210118

▼ WHERE

▼ WHEN

- ▶ ○ Early Prehistoric 15622
- ▶ ○ Later Prehistoric 107350
 - Roman 81294
 - Early Medieval 24538
- ▶ ○ Medieval 165199
- ▶ ○ Post Medieval 388441
- ▶ ○ Modern 85831

▶ RESOURCE

A LOOK IN THE REAR VIEW MIRROR
Historic England NRHE Excavation Index for England
Report examining the developing relationship between modern road construction, particularly motorways, and the development of archaeology, primarily in the period since the Second World War.
WILTSHIRE

ABBEY FIELDS ABBEYMead
Historic England NRHE Excavation Index for England
Followed by excavation 14/86 (Event 652905). Observation of sewer trench.
GLOUCESTERSHIRE

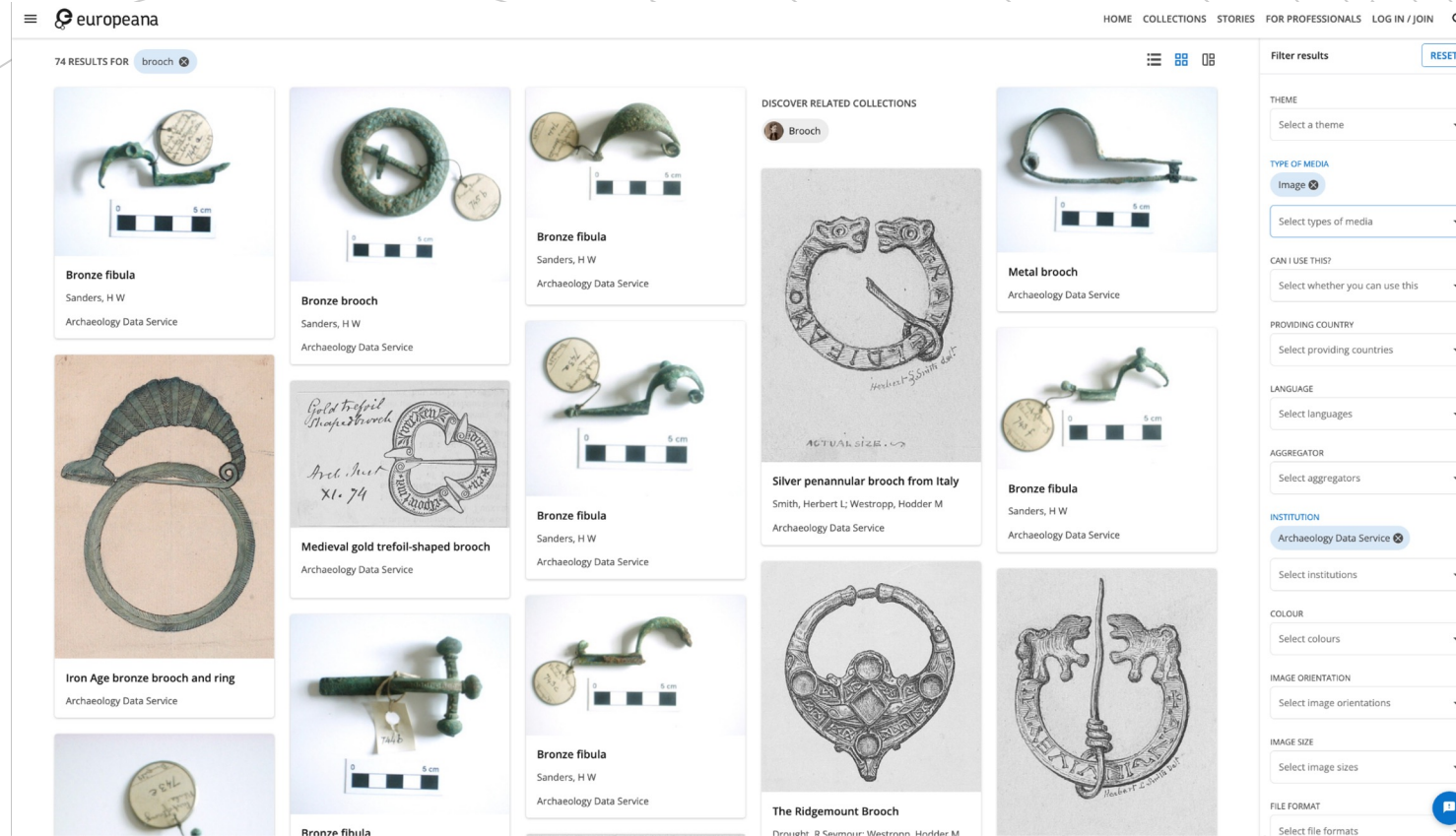
AINSBROOK SITE
Historic England NRHE Excavation Index for England
Evaluation and excavation of the site of a Viking period hoard recorded a disturbed burial with grave goods and a large Bronze Age enclosure. Metal detectorists had previously removed '7000' artefacts from the site, the location of which is kept secret. County location data applied to aid retrieval 2018.
NORTH YORKSHIRE

BROWSER BASIC

ADVANCED MAP

What do we disseminate?

Also disseminate what we aggregate to other, larger aggregators such as *Europeana* and *Unpath'd Waters*



74 RESULTS FOR **brooch**

DISCOVER RELATED COLLECTIONS

- Bronze fibula**
Sanders, H W
Archaeology Data Service
- Bronze brooch**
Sanders, H W
Archaeology Data Service
- Bronze fibula**
Sanders, H W
Archaeology Data Service
- Medieval gold trefoil-shaped brooch**
Archaeology Data Service
- Iron Age bronze brooch and ring**
Archaeology Data Service
- Bronze fibula**
Sanders, H W
Archaeology Data Service
- Bronze fibula**
Sanders, H W
Archaeology Data Service
- Silver penannular brooch from Italy**
Smith, Herbert L; Westropp, Hodder M
Archaeology Data Service
- Metal brooch**
Archaeology Data Service
- Bronze fibula**
Sanders, H W
Archaeology Data Service
- The Ridgemount Brooch**
Pruuett, D; Seumour; Westropp, Hodder M

Filter results [RESET]

THEME
Select a theme

TYPE OF MEDIA
Image

SELECT TYPES OF MEDIA

CAN I USE THIS?
Select whether you can use this

PROVIDING COUNTRY
Select providing countries

LANGUAGE
Select languages

AGGREGATOR
Select aggregators

INSTITUTION
Archaeology Data Service

SELECT INSTITUTIONS

COLOUR
Select colours

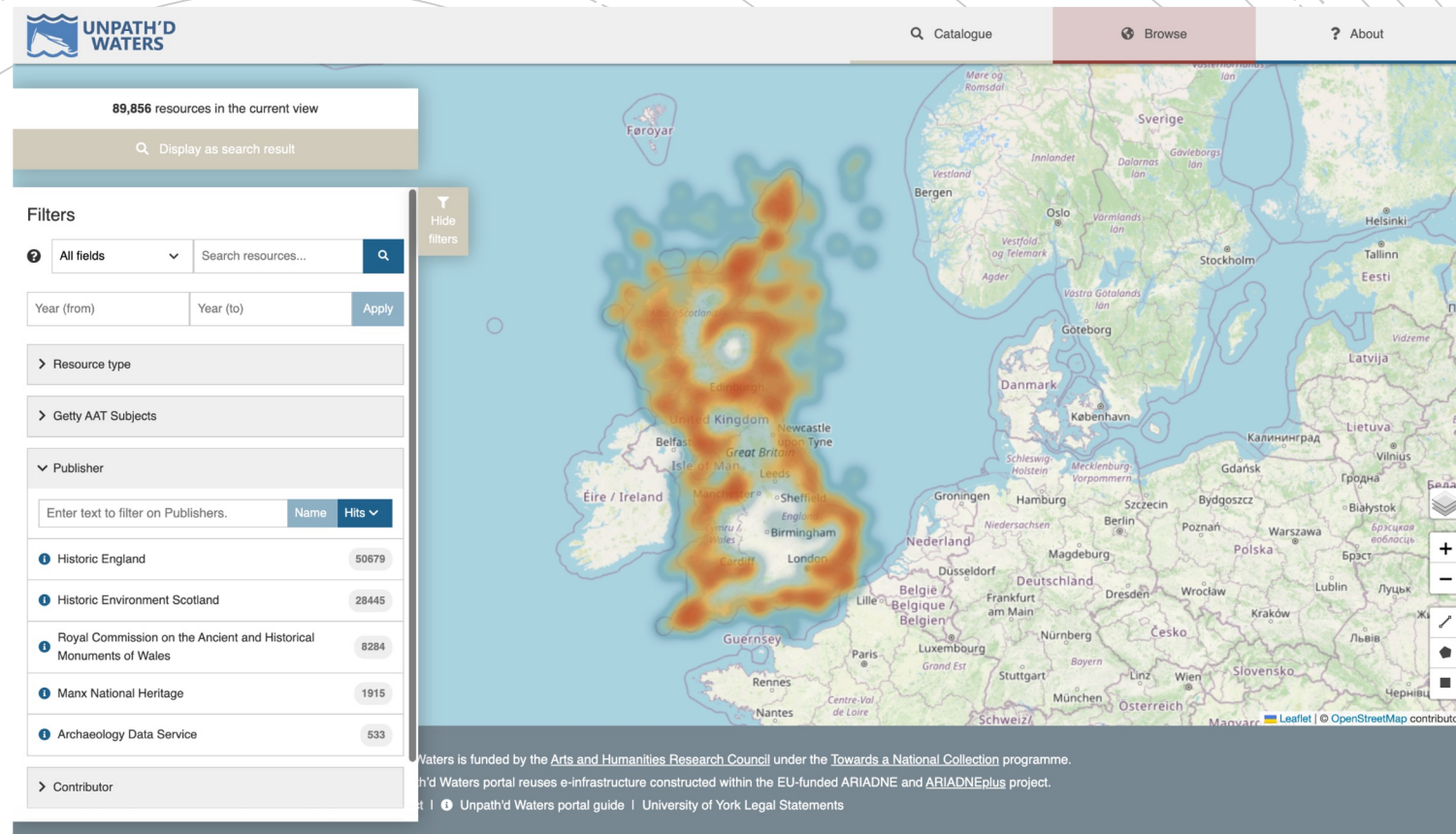
IMAGE ORIENTATION
Select image orientations

IMAGE SIZE
Select image sizes

FILE FORMAT
Select file formats

What do we disseminate?

Also disseminate what we aggregate to other, larger aggregators such as *Europeana* and *Unpath'd Waters*



UNPATH'D WATERS

89,856 resources in the current view

Display as search result

Filters

All fields Search resources...

Year (from) Year (to) Apply

Resource type

Getty AAT Subjects

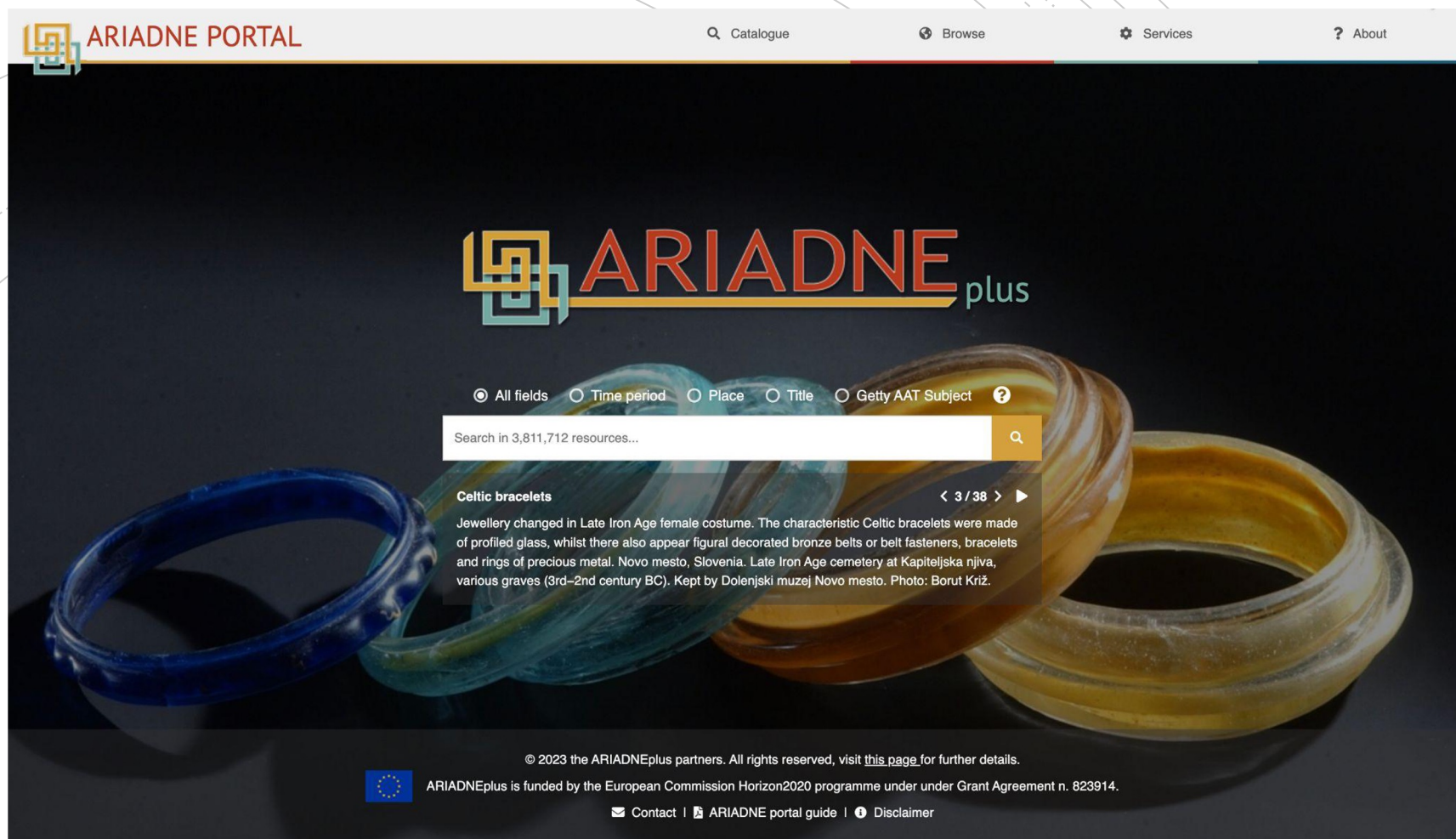
Publisher

Name	Hits
Historic England	50679
Historic Environment Scotland	28445
Royal Commission on the Ancient and Historical Monuments of Wales	8284
Manx National Heritage	1915
Archaeology Data Service	533

Contributor

Waters is funded by the Arts and Humanities Research Council under the Towards a National Collection programme.
Unpath'd Waters portal reuses e-infrastructure constructed within the EU-funded ARIADNE and ARIADNEplus project.

Unpath'd Waters portal guide | University of York Legal Statements



ARIADNE PORTAL

Q Catalogue Browse Services ? About

ARIADNE plus

All fields Time period Place Title Getty AAT Subject ?

Search in 3,811,712 resources...

Celtic bracelets < 3 / 38 >



Jewellery changed in Late Iron Age female costume. The characteristic Celtic bracelets were made of profiled glass, whilst there also appear figural decorated bronze belts or belt fasteners, bracelets and rings of precious metal. Novo mesto, Slovenia. Late Iron Age cemetery at Kapiteljska njiva, various graves (3rd–2nd century BC). Kept by Dolenjski muzej Novo mesto. Photo: Borut Križ.


© 2023 the ARIADNEplus partners. All rights reserved, visit [this page](#) for further details.

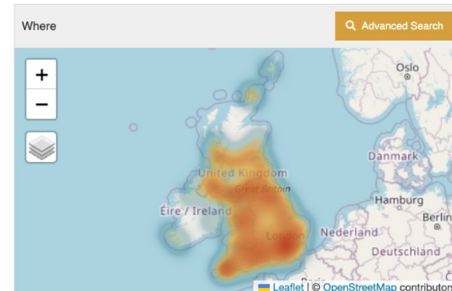
ARIADNEplus is funded by the European Commission Horizon2020 programme under under Grant Agreement n. 823914.

Contact | ARIADNE portal guide | Disclaimer

Filters

 All fields 


Clear All Filters 




Results

Time: 0.8s. Total: 1,080,189. Page: 1 / 54010

Publisher: Archaeology Data Service 

 1 2 3 4 5 


Order Issued Date  Per page 20 

- 

Digital Photographs and Images from an Archaeological Excavation at the Biomass Shed site, Laurels Road, Offenham, Worcestershire, 2018

This collection comprises images; context, finds, and environmental sample data; and GIS data from an archaeological excavation which was undertaken at the Biomass Shed site, Laurels Road, Offenham, Worcestershire in 2018. Multiple phases of activity were identified. Early prehistoric remains were limited to a few small suboval features, likely to be tree-throw holes or natural hollows, whereas I..


Resource type: Fieldwork archive
Publisher: Archaeology Data Service
Original subject: Decorated pottery jar, Ditch, Domestic, Drying oven, Enclosure

- 

Digital Archive from a Geophysical Survey and Evaluation at Town Farm, High Bickington, Torrridge, Devon 2017

This digital archive contains images, site records, gis and geophysical data from the results of a geophysical survey and evaluation trenching carried out by South West Archaeology Ltd, on land at Town Farm, High Bickington, Torrridge, Devon in 2017. The geophysical survey identified five groups of probable or possible anomalies that relate to archaeological activity. The majority of the anomalies ..


Resource type: Fieldwork archive
Publisher: Archaeology Data Service
Original subject: Archaeology, Excavations (archaeology)--england, Field boundary, Geophysical survey, Geophysical surveys

- 

Digital Archive from an Archaeological Evaluation at St Peters Church, Wolvercote, Oxfordshire 2009-10

This digital archive contains images, reports, site data, spreadsheets and CAD from a field evaluation in November 2009, undertaken by Oxford Archaeology comprising two trenches at St Peter's Church, Wolvercote, Oxfordshire, on behalf of Wolvercote PCC, in respect of an extension to the Church hall, with a connecting covered walkway to the Church. The memorials within the development area were I..

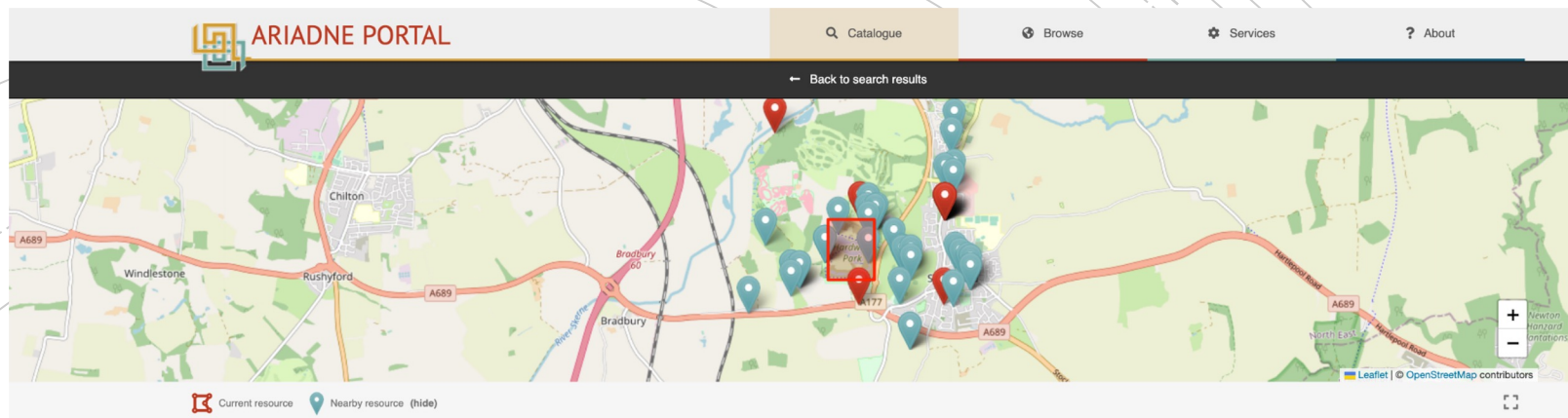
Resource type: Fieldwork archive
Publisher: Archaeology Data Service
Original subject: Archaeology, Burial, Church, Gravestone, Human skeleton

- 

Digital Archive from an Archaeological Excavation at Southminster Road, Burnham On Crouch, Essex 2020

This collection comprises images, databases, GIS data, a report and site records from an archaeological excavation at land off Southminster Road, Burnham-on-Crouch, Essex undertaken by Oxford Archaeology East between 27th July and 12th August 2020. Three small excavation areas uncovered the course of a palaeochannel alongside two groups of discrete features, which probably represent the remains of..

Resource type: Fieldwork archive
Publisher: Archaeology Data Service
Original subject: Animal remains, Archaeology, Brick, Briquetage, Burnt flint



Digital Archive from an Archaeological Excavation at Hardwick Park, Sedgefield, County Durham, August 2022



Description

This collection comprises images and CAD data from an archaeological excavation of the 18th-century Bath and Banqueting Houses in Hardwick Park, Sedgefield, County Durham. Pre-Construct Archaeology Ltd was commissioned by The Friends of Hardwick Park, to undertake this work in August 2022. The Friends of Hardwick Park, working in partnership with Durham County Council and the Ramside Estate, developed a project to investigate and ultimately restore/rebuild the Bath and Banqueting Houses. The funds for this first phase of works have been raised from the National Lottery Heritage Fund and the Sir James Knott Trust to support a small community led project to partially excavate the Bath and Banqueting Houses at Hardwick Park. The primary objective of the works comprised targeted community archaeological excavation to establish the survival and extent of the two buildings. Seven trenches were excavated at the site targeting both the Bath and Banqueting Houses. The works have provided key structural information on construction materials and the extent, depth and archaeological potential of the remains of both mid-18th century structures. The location of architectural fragments recovered from the demolition deposits were recorded and a photographic catalogue maintained of each fragment. Along with the archaeological and architectural significance of the project data, the site of the Bath and Banqueting Houses hold value for a number of different communities and groups such as historic landscape enthusiasts, community volunteer groups, visitors to Hardwick Hall or Hardwick Park, local residents and students of all ages. The community archaeological investigation was deemed to have been an overall success as it engaged volunteers and provided them opportunities for basic training in archaeological surveying, excavation, finds processing and trench reinstatement.

Metadata

Original ID: <https://doi.org/10.5284/1102095>

Other ID: OASIS ID preconst1-509960

Resource links

[View resource at provider](#)

[Json](#) [Xml](#) [Rdf](#) [Cite](#) [Report an issue](#)







Resource is part of

[ADS Archives](#)

Thematically similar

Thematically similar resources based on terms in common of:

Subject & Time period

-  Silver Threepence. Threepence: Elizabeth I, 1561-1582 (N 1998)
-  Silver Threepence. Threepence: Elizabeth I, 1561-1582 (N 1998)
-  Silver Three halfpence. Threehalfpence: Elizabeth I, 1561-1582 (N 2000)
-  Silver Twenty pence. Scottish: Twentypence of Charles I, Third coinage (S 5581 - 5591A)
-  Silver Sixpence. Sixpence: Elizabeth I, 1561-1582 (N 1997)
-  Silver Threepence. Threepence: Elizabeth I, 1561-1582 (N 1998)

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: metadata aggregation portal
- Coordinator: PIN Scri - Polo Universitario "Città di Prato" at the University of Florence
- Deputy Coordinator: ADS



ARIADNE

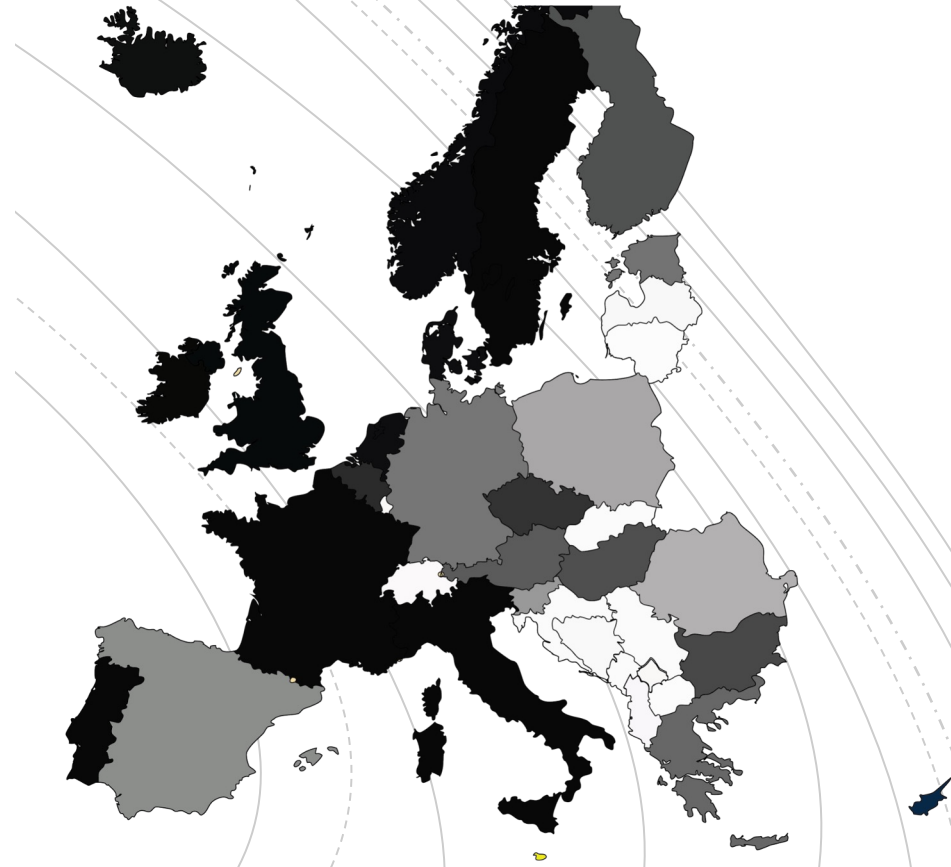
- 9 ICT organisations
- 14 archaeological organisations
- 15 Associate partners
- External community building
 - Transnational access
 - Training events
 - Special interest groups



ARIADNEplus

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

<https://ariadne-infrastructure.eu/>



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!**



COST Action SEADDA :

Saving European Archaeology from the Digital Dark Age

Funding (four years) for networking: meetings, training sessions, scientific missions, open access publications, with members representing 35 countries



- 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 identifies 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.

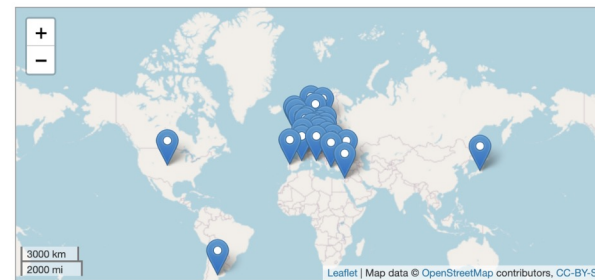
Open Access Publications

- 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, but the domain is also unable to fully participate in Open Data. Without swift and informed

Corresponding author: Julian D. Richards 
julian.richards@york.ac.uk
Archaeology Data Service

Ulf Jakobsson
Swedish National Data Service

David Novák 
Institute of Archaeology, Czech Academy of Sciences

Benjamin Štular 
ZRC-SAZU, Ljubljana, Slovenia

Holly Wright 
Archaeology Data Service

Secret

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



<https://www.seadda.eu/>

Holly Wright

holly.wright@york.ac.uk

Archaeology Data Service

<http://archaeologydataservice.ac.uk>

SEADDA COST Action

<http://seadda.eu>



@seadda_cost