



Archaeology
Data Service

An introduction to global environmental data initiatives and why/how these matter to environmental archaeology in Britain (not)

Dr Holly Wright, Archaeology Data Service, University of York, UK

‘Rewilding’ later prehistory workshop 2

Oxford, 21 April, 2023



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Intro to the Archaeology Data Service

**Domain Specific Digital Archive
Set up in 1996**

Based within the University of York

Mission: Support research, learning and teaching with free, high quality and dependable digital resources.

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



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The digital repository for archaeology and heritage

*Supporting
access, innovation, and
research*

Screenshot

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.

<https://archaeologydataservice.ac.uk>

Archaeology Data Service

What do we hold?

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 - ~80,000+ Unpublished Fieldwork Reports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.

The screenshot displays the ADS ArchSearch interface. At the top, the ADS logo and 'ARCHAEOLOGY DATA SERVICE' are visible. Below the header, the 'ADS Main Website' link and a 'Help' link are present. The main search area includes a 'KEYWORD' input field, a 'SEARCH' button, and links to download results as XML or CSV. The search results show 1407814 results (page 1 of 28157). The left sidebar contains a 'BROWSER' menu with categories: 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), and RESOURCE. The right sidebar shows a 'RESET QUERY' button and a 'MAP' button. The main content area displays search results for 'Abbey Fields Abbeymead' in Gloucestershire, including a link to the 'Historic England NRHE Excavation Index for England' and a description of the site's history and excavation details.

Archaeology Data Service

What do we disseminate?

- Disseminate data we hold
- Provide integrated resource discovery across data we aggregate
- Also disseminate to other aggregators
 - OAI-PMH
 - Linked Data
 - Via Export



Tracing the Past: analysing the design and construction of English medieval vaults using digital techniques

Nicholas Webb, Alexandrina Buchanan, Sarah Duffy, James Hillson, JR Peterson, 2021. <https://doi.org/10.5284/1084971>. [How to cite using this DOI](#)

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Arts & Humanities
Research Council

Primary contact
Dr Nicholas Webb
Liverpool School of Architecture
University of Liverpool







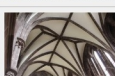

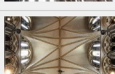

[Send e-mail enquiry](#)


Resource identifiers

ADS Collection: 4000
DOI:<https://doi.org/10.5284/1084971>


Available archives:


A total of 13 archives have been added to the Tracing the Past: analysing the design and construction of English medieval vaults using digital techniques. These can be accessed below.


	Laser Scan Data from Gloucester Cathedral, Gloucestershire 2017. Released: 12 April 2022 Collection doi: 10.5284/1091254	
	Laser Scan Data from Exeter Cathedral, Exeter, Devon 2016. Released: 12 April 2022 Collection doi: 10.5284/1091407	
	Laser Scan Data from Ely Cathedral, Ely, Cambridgeshire 2016. Released: 12 April 2022 Collection doi: 10.5284/1091405	
	Laser Scan Data from Chester Cathedral, Chester, Cheshire 2015-2019. Released: 12 April 2022 Collection doi: 10.5284/1091404	
	Laser Scan Data from Lincoln Cathedral, Lincoln, Lincolnshire 2019. Released: 12 April 2022	


 ARIADNE PORTAL

Q Catalogue

 Browse

 Services

 About




☒ All fields

☐ Time period


☐ Place

☐ Title

☐ Getty AAT Subject



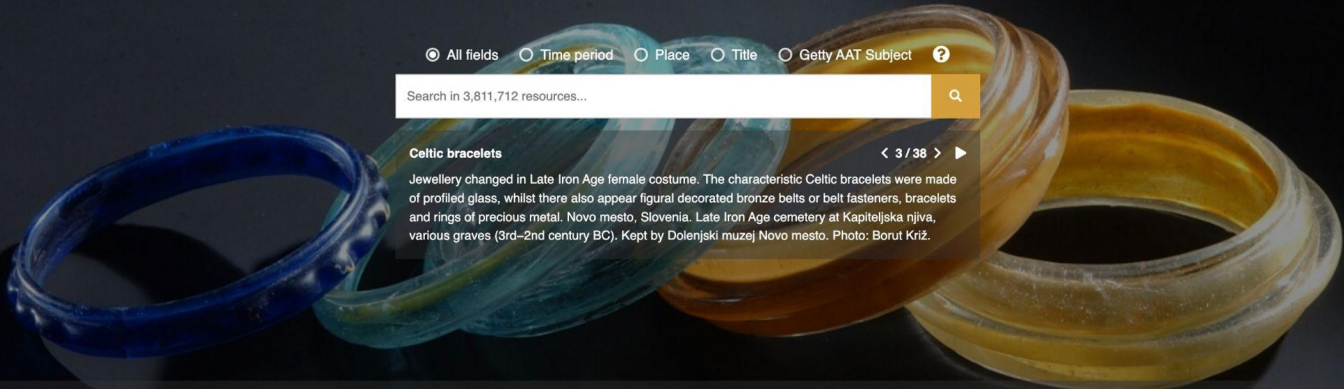
Search in 3,811,712 resources...




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.





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 Contact

 ARIADNE portal guide

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neotomadb.org

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Neotoma Paleoecology Database

Supporting global-change research and education via open, community-curated data and services for paleoecological and paleoenvironmental data



State of the Database



Sites 19,195



Datapoints 10,780,290



Datasets 32,055



Publications 12,037

[Full Database Summary](#)

Recent Data Uploads

News & Events

Uploaded

2023-04-18T19:43:45

Vertebrate Fauna Data

Aila

FAUNMAP

Investigator(s): D. Coleman, C. Jennings, M.A. Perry

Location: Jordan I Al 'Aqabah

Uploaded

2023-04-18T19:43:43

Specimen Stable Isotope Data

Aila

Faunal Isotope Database

Investigator(s): M.A. Perry, C. Jennings, D. Coleman

Location: Jordan I Al 'Aqabah

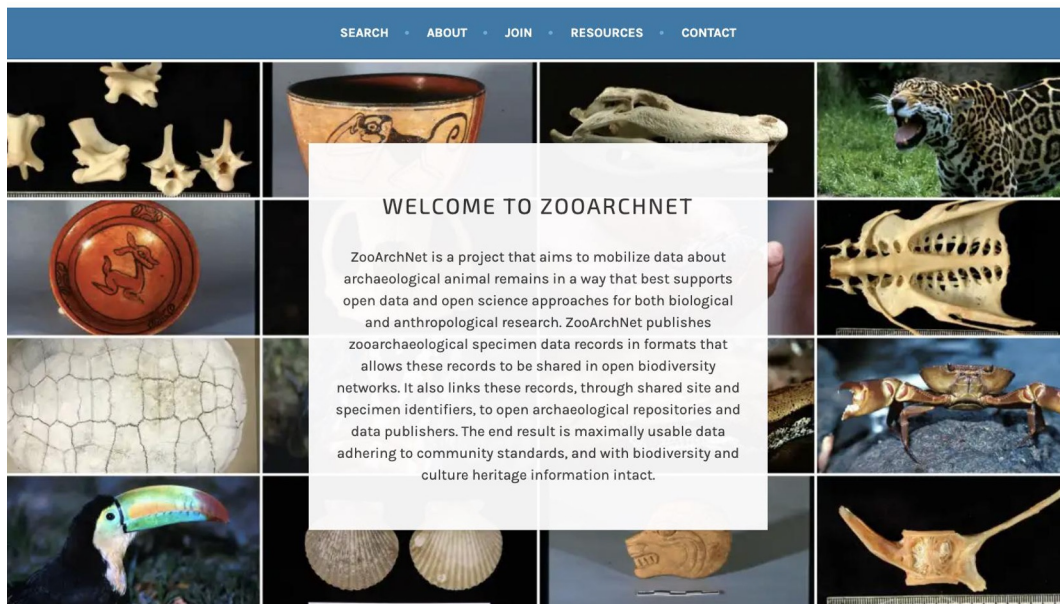
Uploaded

2023-04-18T19:41:00

Vertebrate Fauna Data

Aila/Aqaba

- Enables development of common software tools for data ingest, discovery, display, analysis, and distribution, while giving domain scientists control over critical taxonomic and data quality issues.
- **Mission:** Neotoma exists to support global-change research by providing an open, community-curated repository for multiple kinds of paleoecological data.
- For understanding species dynamics during geological-scale change; powering and enabling global biodiversity studies; improving ecological forecasting.
- Neotoma covers primarily the Pliocene-Quaternary.



WELCOME TO ZOOARCHNET

ZooArchNet is a project that aims to mobilize data about archaeological animal remains in a way that best supports open data and open science approaches for both biological and anthropological research. ZooArchNet publishes zooarchaeological specimen data records in formats that allows these records to be shared in open biodiversity networks. It also links these records, through shared site and specimen identifiers, to open archaeological repositories and data publishers. The end result is maximally usable data adhering to community standards, and with biodiversity and culture heritage information intact.

- **Mission Statement:** ZooArchNet is a project that aims to mobilize data about archaeological animal remains in a way that best supports open data and open science approaches for both biological and anthropological research. ZooArchNet publishes zooarchaeological specimen data records in formats that allows these records to be shared in open biodiversity networks. It also links these records, through shared site and specimen identifiers, to open archaeological repositories and data publishers. The end result is maximally usable data adhering to community standards, and with biodiversity and culture heritage information intact.

[Get data](#)[How-to](#)[Tools](#)[Community](#)[About](#)[Login](#)

GBIF | Global Biodiversity Information Facility

Free and open access to biodiversity data

[OCCURRENCES](#)[SPECIES](#)[DATASETS](#)[PUBLISHERS](#)[RESOURCES](#)[What is GBIF?](#)[About GBIF United States of America](#)

Global Biodiversity Information Facility

GBIF

- GBIF is an international network and data infrastructure funded by the world's governments and aimed at providing anyone, anywhere, open access to data about all types of life on Earth.
- The GBIF network provides data-holding institutions around the world with common standards, best practices and open-source tools enabling them to share information about where and when species have been recorded.
- Publishers provide open access to their datasets using machine-readable Creative Commons licence designations.



Latest Updates

- July 1, 2021 - Several updates have been made to the [IsoBank Guide](#) - please start there if you are intending to add data to IsoBank, this page includes various helpful introductory tips, sample templates, and frequently asked questions.
- May 20, 2021 - IsoBank Ingest Workshop at IsoEcol 2021. Several project members led a workshop with 40 participants, describing the IsoBank project, the goals of the infrastructure, and providing a hands-on tutorial on the ingest process. More workshops are planned in the near future, in conjunction with community conferences and as free-floating (and tuition-free) events. Please e-mail us to indicate your interest in future workshops at isobank@lists.tacc.utexas.edu
- March 1, 2021 - IsoBank Production site goes live! This represents the first full implementation of the original vision for IsoBank, with the ability to ingest data based on the community-developed metadata standards, the ability to search for data based on any element in the metadata standards, and appropriate handling for taxonomy and geospatial data. Many features will be added to IsoBank over time but this first production release represents the culmination of many years of work from the community to build towards making IsoBank a reality.



- IsoBank is a multi-organization effort to build a common repository for stable isotope data. Our goal is to provide a common repository for stable isotope measurement data originating from any context, and to support easy location and access to this data by the research community.
- The IsoBank repository provides a searchable database of stable isotope measurements based on a rich metadata schema developed through community input from researchers who generate and use stable isotope data.



Archaeology
Data Service



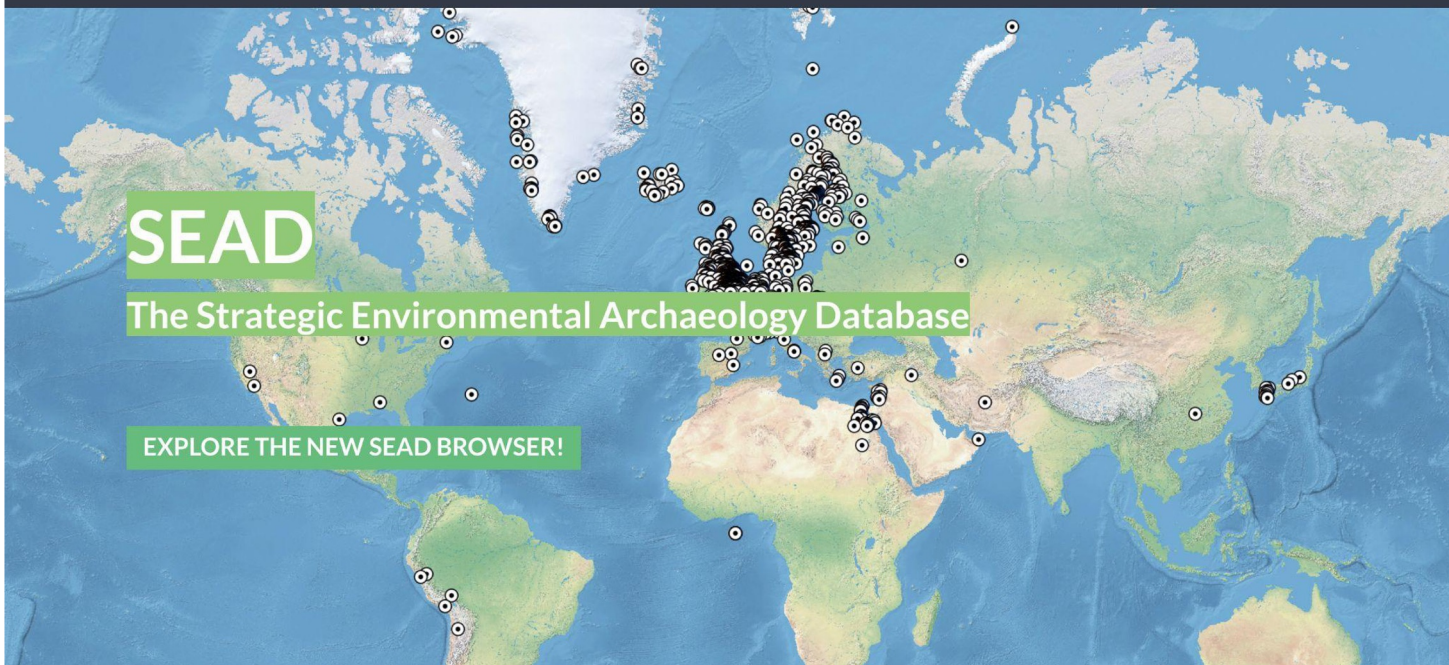
THE STRATEGIC ENVIRONMENTAL ARCHAEOLOGY DATABASE

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SEAD

The Strategic Environmental Archaeology Database

EXPLORE THE NEW SEAD BROWSER!



SEAD – Strategic Environmental Archaeology Database

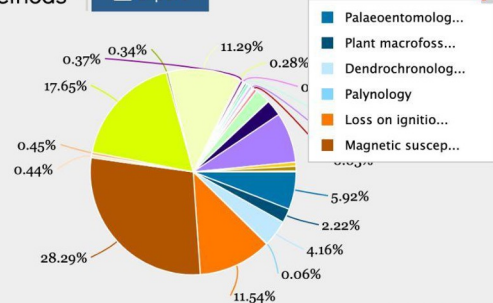
- SEAD is a national research infrastructure for archaeology and an international standard database for environmental archaeology data, developed and managed at the Environmental Archaeology Lab (MAL), in collaboration with HUMlab at Umeå University, Sweden.
- SEAD allows the online storage, extraction, analysis and visualisation of data on past climates, environments and human impacts, and forms part of an international network of research infrastructure for environmental archaeology and Quaternary palaeoecology.

Filter Output



Analysis methods

Export



Powered by ZingChart

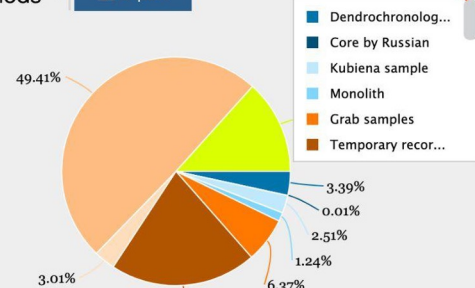
Geographic

Spreadsheet

Overview

Sample methods

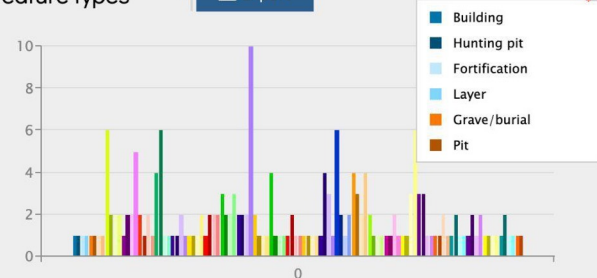
Export



Powered by ZingChart

Feature types

Export

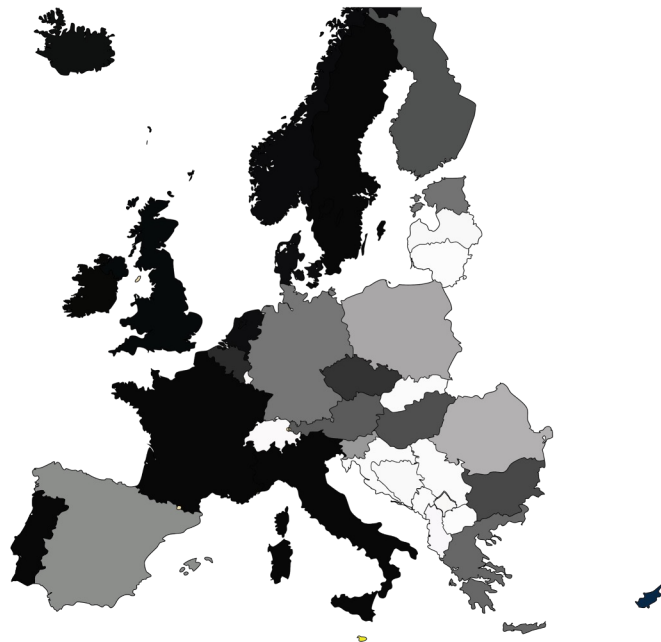


Powered by ZingChart

ARIADNEplus

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

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

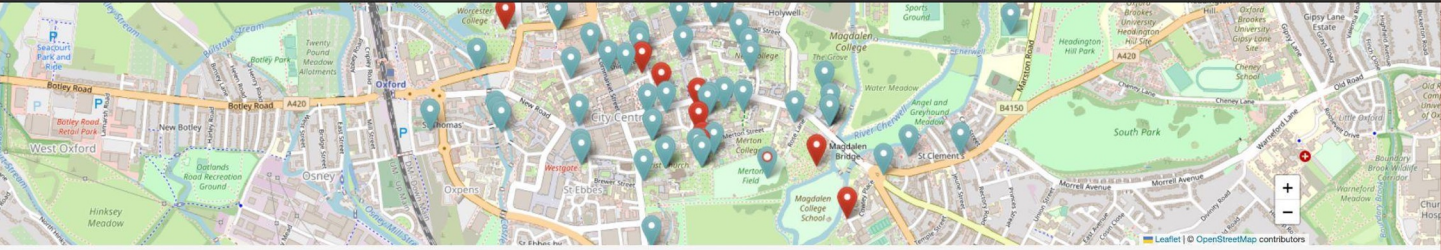


<https://portal.ariadne-infrastructure.eu/>

ariadne-portal-staging.d4science.org/resource/df4a367457fb07785da5f5f4c1119f415ee9f3c611d794045a79afdbbbc0894e

ARIADNE PORTAL

Back to search results



Current resource Nearby resource (hide)

Oxford: St Budoc's

Description

from cloth preserved in stone coffin, apparently not published in report. Church destroyed in 1216.

Megaselia ?trulipes.

Metadata

Original ID: 2869

Landing page: <https://browser.sead.se/site/2869>

Language: English

Resource type: Scientific analysis

Subject - Original: Palaeoentomology

Dating: From 400 until 1216: 400 to 1216

Place: Oxford: st budoc's

Type: Dataset (Provided record)

Resource links

[View resource at provider](#)

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

Resource is part of

Strategic Environmental Archaeology Database

Thematically similar

Thematically similar resources based on terms in common of:

Subject & Time period

No similar resources found.

Tags

From 400 until 1216

Oxford: st budoc's

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



Archaeological site datasheet

Oxford: St Budoc's*

Overview

Samples taken (groupings) | Display options | Export

Sample group id	Group name	Sampling context	Sampling method	Analysis methods
7686	Oxford St Budoc	Archaeological site*	Temporary record*	ArchPer HistCol Fossil insects

Analyses

Archaeological period (unspecified)*

Archaeological period (unspecified) | Export

Sample	Age name	Age location	Age
S	Medieval*	Europe*	1550 - 400 BP

Historical Records*

Historical Records | Export

Sample	Age name	Age location	Age
S	CAL_-1216_AD*	No data	< 734 BP

Palaeoentomology*

COUN000920* (35149) | Display options | Export

Site identifier

2869

Location



England, Oxfordshire

Export

Export all site data

Description

from cloth preserved in stone coffin, apparently not published in report. Church destroyed in 1216. *Megaselia* ?rufipes.

Dataset references

Site references

Skidmore, P. (1996). *A Dipterological Perspective on the Holocene History of the North Atlantic Area*. Unpubl. Ph.D., University of Sheffield, 1996.

Hassall, T. G. (1970). *St Budoc's Church. Excavations at Oxford 1969. Second Interim Report. Oxoniensia*, 35, 12, 1970.

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



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Thank You!

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