Size isn’t everything: are our data good enough to be big?

Professor Julian D Richards
Archaeology Data Service
University of York
Size isn’t everything

• Archaeological data are not that big!
• ADS: after 20 years collecting: Feb 2016: 10Tb; 2,054,846 files
Most large-scale excavation projects are computerized, more-or-less, now in their methods of data recording. Here is described one which is computerized with more conviction and on a larger scale than most, with reflections on what that can and should amount to.
Database search results

You searched for:

- Object type: STRAP END
- Thumbnail: Only records with images please

Record ID: BERK-A92567
Object type: STRAP END
Broad period: MEDIEVAL
County: Oxfordshire
Workflow stage: On review

A Medieval copper alloy composite strap end. The spacer has a sub-lozenge knop with collar. Plate sub-rectangular tapering slightly. Dates to the period c. Early 14th Century AD

Created on: Thursday 16th March 2017

Spatial data recorded. 9

Record ID: HAMP-91DC0D
Object type: STRAP END
Broad period: POST MEDIEVAL
County: Hampshire
Workflow stage: Awaiting validation

An incomplete post-medieval (1500-1700) copper-alloy belt mount, its integral spikes to the reverse missing their tips. The belt mount is D-shaped in cross-section, being flat to the reverse. It is triangular in shape with an elongated D-shaped projection extending from the centre of the short end (3.4mm wide, 4.4mm long). To the reverse two worns stumps remain of the attachment spikes; these are aligned longitudinally and close together at the wider end of the object. Much of the original patina remains to the front of the object, where it is smooth, shiny and mid-green in colour. The...

Created on: Wednesday 15th March 2017
Last updated: Wednesday 15th March 2017

Spatial data recorded. 9 This findspot is known as 'Winchester', grid reference and parish protected.

Search statistics

- Total quantity: 7,584
- Mean quantity: 1.007
- Maximum: 18
Your search returned 46873 results from 51 of the 65 resources. Results from 25 of the 51 resources are visible on the main results list.

- When = Date Range (800AD - 1050AD)

### Summary Results

<table>
<thead>
<tr>
<th>Type</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greater London HER</td>
<td>148</td>
</tr>
<tr>
<td>Herefordshire SMR</td>
<td>423</td>
</tr>
<tr>
<td>Hertfordshire HER &amp; St Albans UAD</td>
<td>973</td>
</tr>
<tr>
<td>Kent HER</td>
<td>1357</td>
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<tr>
<td>Lake District National Park HER</td>
<td>No records matched your search</td>
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<tr>
<td>Leicester City Council Heritage Data</td>
<td>42</td>
</tr>
<tr>
<td>Leicestershire and Rutland HER</td>
<td>659</td>
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<td>Lincolnshire HER</td>
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<td>Norfolk HER</td>
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<tr>
<td>North Lincolnshire HER</td>
<td>441</td>
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<tr>
<td>Northumberland Historic Environment Record</td>
<td>No records matched your search</td>
</tr>
<tr>
<td>North Yorkshire HER</td>
<td>1799</td>
</tr>
</tbody>
</table>

### North Yorkshire HER

The North Yorkshire County Council Historic Environment Record (HER) covers the county of North Yorkshire excluding the areas of the City of York, the Yorkshire Dales and North York Moors National Parks.

North Yorkshire HER returned 1799 records matching your search, here are the first 5.

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parish Record for West Tanfield [2170]</td>
<td>West Tanfield [2170]; Hambleton</td>
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<tr>
<td>Proserpine Lead Mine &amp; Smelt Mill complex</td>
<td>Bowerley [8059]; Harrogate</td>
</tr>
<tr>
<td>SCARBOROUGH</td>
<td>Scarborough (non-civic) [4859]; Scarborough</td>
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<tr>
<td>Whitby</td>
<td>Whitby [4036]; Scarborough</td>
</tr>
<tr>
<td>JUGGLEBY-HOWE</td>
<td>Kirby Grindalythe [3070]; Ryedale</td>
</tr>
</tbody>
</table>

View all North Yorkshire HER results...
Welcome to Viking and Anglo-Saxon Landscape and Economy (VASLE)

More is known of the location and density of English settlements in the period from c.AD700-1100 through metal-detecting activity than from archaeological fieldwork, and its interpretation is vital if we are to understand more of landscape, economy and identity in the period. VASLE is a major archaeological project funded by the Arts and Humanities Research Council (AHRC) which has been running at the University of York since October 2004 and will be completed in late 2007.

The focus of VASLE is to analyse and interpret the wealth of data found through activities such as metal-detecting, against those found through more traditional archaeological methods. The project encompasses England and Wales, and is evaluating the nature of metal-detected data and how this can be related to settlements of the early medieval period; providing a framework to identify different site types through their metalwork and coinage assemblages; studying site development and morphology; and charting ethnic identity and change and economic development.

Last updated by John Naylor on 18/12/2006
What Matters about the Monument: reconstructing historical classification

Jonathan Bateman and Stuart Jeffrey

Table of Contents

- Summary
- List of abbreviations

1. Principles
2. Sources
3. The monument

- Conclusion
- Bibliography
ENGLAID project

Early medieval field systems
“With the aid of a supercomputer, the Democrata team developed models that can pinpoint where treasures are likely to be hidden underground. For instance, land close to water, tin mines or sites of religious significance was ranked more highly than land elsewhere. Other factors like the local geology, animal and plant life also contributed to the score.” Jan 2015
The Rural Settlement of Roman Britain: an online resource
Martyn Allen, Nathan Blick, Tom Brindle, Tim Evans, Michael Fulford, Neil Holbrook, Julian D Richards, Alex Smith, 2015

Introduction
This resource brings together the excavated evidence for the rural settlement of Roman Britain with the overarching aim to inform a comprehensive reassessment of the countryside of Roman Britain. It includes both traditionally published reports and 'grey literature' reports from developer-funded excavations since 1990.

The project arose from pilot projects undertaken by Cotswold Archaeology and funded by Historic England and it began in 2012. It is funded by grants from the Leverhulme Trust to the Universities of Reading and York (ADS) and from Historic England to Cotswold Archaeology. Phase 1 (April 2015) publishes the settlement evidence from Roman England. Subsequent phases will add Roman Wales (by December 2015) and the related finds, environmental and burial data (by 1st April 2017). These will be used alongside the specific site data in a series of integrative studies on rural settlement, economy, people and ritual to be published by the Society for the Promotion of Roman Studies as Britannia Monographs between 2016 and 2016.
Ipswich 1974-1990 Excavation Archive
Suffolk County Council Archaeological Service, 2015

Introduction

The modern town centre of Ipswich, centred at Ordnance Survey grid point TM 1590 4060, lies on the site of its Middle Saxon predecessor (Gipeswic).

Despite the recognition of the town’s early foundation in the 1950s, little opportunity was taken to undertake archaeological excavation within the historic core until the 1970s. The recognition at this time that Middle Saxon Ipswich was one of only a handful of trading settlements displaying urban characteristics (emporia / wics) elevated the town’s archaeological status to one of international importance.

Between 1974 and 1990 the 36 excavations on 34 sites archived here were carried out by the Suffolk Archaeological Unit (subsequently Suffolk County Council Archaeological Service) under the direction of Keith Wade. Much analysis had been done but further work towards publication was delayed and deferred
So how can we harmonise multiple datasets?
Welcome
ARIADNE brings together and integrates existing archaeological research data infrastructures so that researchers can use the various distributed datasets and new and powerful technologies as an integral component of the archaeological research methodology.

Browse the Catalog
HATSTON
Type: [Sites and monuments databases or inventories] Publisher: [Archeology Data Service]
Possible instance of: BROCH

SKYE, DUN BORVE
Type: [Sites and monuments databases or inventories] Publisher: [Archeology Data Service]
Possible instance of: BROCH

SOUTH RONALDSAY, WEEMS CASTLE
Type: [Sites and monuments databases or inventories] Publisher: [Archeology Data Service]
Alternative Name(s): CASTLE TAING Possible instance of: BROCH

STAIR HAVEN
Type: [Sites and monuments databases or inventories] Publisher: [Archeology Data Service]
Alternative Name(s): STAIRHAVEN; CROWS NEITH; BROKEN CASTLE; LUCE BAY Possible instance of: BROCH

SCARFSKERRY
Type: [Sites and monuments databases or inventories] Publisher: [Archeology Data Service]
Alternative Name(s): DUN 021

NORTH ROE
Type: [Sites and monuments databases or inventories] Publisher: [Archeology Data Service]
Possible instance of: BROCH
Scalloway: A Broch, Late Iron Age Settlement and Medieval Cemetery

The Scalloway archive consists of stratigraphic reports and lists, finds catalogues and additional specialist reports resulting from excavations undertaken between 1989 and 1990 on a ridge overlooking Scalloway, on the Island of Shetland. The excavations revealed evidence of occupation between the 1st century BC and the medieval period.

metal-working  brochs  cemeteries  cremations  residential structures

Bronze Age  Early Medieval  Late Iron Age  Medieval

World, Europe, United Kingdom, Scotland, Shetland, Mainland Island, Scalloway

Metadata

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<th>Original ID</th>
<th>Language</th>
<th>Resource type</th>
<th>Subject</th>
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<td></td>
<td></td>
<td></td>
<td>residential structures</td>
</tr>
</tbody>
</table>

Thematical similarity:

- The Roman Cemetery at Brougham, Cumbria: Excavations 1966-67
- Cloth and Clothing in Early Anglo-Saxon England, AD 450-700
- Gwithian, Cornwall: Excavations 1949-1969
- The Stansted Framework Project
- The eastern cemetery of Roman London: excavations 1983-1990
- Excavations at the Viking Barrow Cemetery at Heath Wood, Ingleby, Derbyshire, 1998-2000
- Howick Project
brochs

Getty AAT ID 300004863

Note Circular stone towers having a double wall, found in Scotland and neighboring islands.

URI http://vocab.getty.edu/aat/300004863

Broader defensive towers

Terms

English brochs broch
Spanish broches broch
Dutch broches broch

Provider mapping

BROCH

Match URI http://www.w3.org/2004/02/skos/core#exactMatch
Source URI http://purl.org/heritagedata/schemes/eh_tmt2/concepts/143003
defensive towers

Getty AAT ID 300004862

Note Towers used specifically for defense purposes.

URI http://vocab.getty.edu/aat/300004862

Broader ✷ military towers

Narrower ✷ brochs ✷ nuraghi

Terms

English defensive towers defensive tower towers, defensive
Spanish torres defensivas
Dutch verdedingstoren verdedigingstoren

Provider mapping

ANGLE TOWER

Match URI http://www.w3.org/2004/02/skos/core#broadMatch
Source URI http://purl.org/heritagedata/schemae/eh_tmt2/concepts/68812
Santa Vittoria 2007
Type: Event/Intervention resources  Publisher: International Association for Classical Archaeology
Fasti record for interventions in the year 2007 at Santa Vittoria

Su Mulinu 2005
Type: Event/Intervention resources  Publisher: International Association for Classical Archaeology
Fasti record for interventions in the year 2005 at Su Mulinu

Serucci 2008
Type: Event/Intervention resources  Publisher: International Association for Classical Archaeology
Fasti record for interventions in the year 2008 at Serucci

Cuccuru Nuraxi 2006
Type: Event/Intervention resources  Publisher: International Association for Classical Archaeology
Fasti record for interventions in the year 2006 at Cuccuru Nuraxi

Su Mulinu 2013
Type: Event/Intervention resources  Publisher: International Association for Classical Archaeology
Fasti record for interventions in the year 2013 at Su Mulinu

San Giovanni 2007
Type: Event/Intervention resources  Publisher: International Association for Classical Archaeology
Fasti record for interventions in the year 2007 at San Giovanni
Santa Vittoria 2007

Fasti record for interventions in the year 2007 at Santa Vittoria

 Metadata

ARIADNE ID 23556410
Original ID fasti.sea.cd.AIAC_4747
Language English
Resource type Event/intervention resources
Subject nuraghi
Original Subject Nuraghe
Dating -1400 – 1500
Place [9.304361, 39.760582]
Type Collection
Publisher International Association for Classical Archaeology [Organization]
Issued 2006-09-07
Modified 2013-05-26

Responsible persons and organisations

Owner International Association for Classical Archaeology [Organization]
Scientific responsible Lisa Fentress [Person]
Technical responsible L-P Archaeology [Organization]
Getty AAT Subjects defensive towers en
nuraghi nl
nu la chi zh-latn-wadegile
nuraghes sc
nuraghe de

Geographically similar

Thematical similar

Siliqua 2001
Nuraghe Mannu 2006
SUrachi 2013
Ola 1990
Nuraghe Sa Conca 2 e Sa Cresia 2009
Dore 1991
Summary (English)

The enclosure of Santa Vittoria di Esterzili has long been cited as a prime example of this type of monument, whose chronological-cultural attribution oscillates between the “Monte Claro” and the Nuragic period.

New excavations inside the Santa Vittoria enclosure have provided important information regarding the understanding of questions linked to this category of monument and have revealed a structure that is very different from that known in archaeological publications.

The Santa Vittoria enclosure wall stands on the northern end of the hill of the same name, cutting a rocky outcrop that was partially cut to fit the wall facings and was used as a source of building material. The structure is roughly oval in plan (N-S axis 42 m, E-W axis 26 m), and originally had two entrances (east and west) on the same axis.

The enclosure wall was circa 2 m wide with a double facing. A bench ran around its base (completely excavated on the west side) made up of a series of large slabs of different lengths and resting on an irregular mass of material, to a height of 0.35 m above floor level and a width of 0.30 m. The floor surface, of beaten kaolin clay, rested on a loose foundation of irregular stones used to level the bedrock below. A circular hut (overall diameter 9 m) was built on top of this loose foundation. This was partially demolished in later occupation phases, in particular during the construction of the church of Santa Vittoria, which exploited the walls of the nuragic building.

The nuragic hut is mainly preserved on the north side, where the four courses of the perimeter wall are still standing, the paved floor is intact, and five blocks survive from a bench that must have originally run all round the interior.

The structure’s plan falls within the category of circular buildings with perimeter bench interpreted as being political and cult meeting places.

The dating of the Esterzili monument is based on a patch of deposit (US 22) that had remained undisturbed despite the radical transformations that took place in the various occupation phases. The context was recorded outside the hut, on the east side of the old church and close to the suggested entrance to the circular building. The materials dated to the
Vocabulary Matching Tool

Source Vocabulary

(FISH Archaeological Objects Thesaurus)

- brooch

Target Vocabulary

(Getty Art & Architecture Thesaurus)

- brooch

Lamberton Moor Brooch, Langton Down Brooch, Long Brooch, Nauheim Derivate Brooch, Penannular Brooch, Plate Brooch, Polden Hill Brooch, Rosette Brooch, Causer Brooch, Simple One Piece Brooch, JEWELLERY → BROOCH (Brooch Spring Fibula)

Ornament often with a hinged pin and catch, worn fastened to clothing.

Annular Brooch, Bow Brooch, Dragonesque Brooch, Long Brooch, Penannular Brooch, Plate Brooch

Concept Matching

- BROOCH close match brooches

bar brooches, bar pins, brooches, disc brooches, penannular brooches, ring brooches

Pins (jewelry) → brooches

Breastpins broaches (jewelry) brooch

Ornamental jewelry made in a variety of forms fastened by a pin. For decorative items, similar in appearance to a brooch, but attached to a garment with a spring fastening, use "clips (jewelry)."

Clear, Load, Save, Export (TRIG), Export (CSV)

Show 10 entries

Search:

Source Concept Match Target Concept Created

No data available in table
Welcome

ARIADNE brings together and integrates existing archaeological research data infrastructures so that researchers can use the various distributed datasets and new and powerful technologies as an integral component of the archaeological research methodology.

Browse the Catalog

- Where
- When
- What
  - churches (buildings)
  - houses
  - farms
  - farmhouses
  - vessels (containers)
  - lime kilns
  - forts
  - ditches
  - cairns
  - churchyards
Current search

Filters

Where

Situated in the vicinity of Gorleston-on-Sea, Bradwell, and Pakefield. The nearest town is Gorleston. The site is located near the north-eastern coast of England.

When

The map shows a peak in activity around the years 1812 and 1813.

Resources

1. **Spigot Mortar Emplacement**
   - Type: Sites and monuments databases or inventories
   - Publisher: Archaeology Data Service
   - See Defence of Britain database entry

2. **William**
   - Type: Sites and monuments databases or inventories
   - Publisher: Archaeology Data Service
   - English Craft, 1830

3. **An Archaeological Evaluation at Breydon Middle School, Belton**
   - Type: Sites and monuments databases or inventories
   - Publisher: Archaeology Data Service
   - An Archaeological Evaluation at Breydon Middle School, Belton

4. **Wood Farm, Gorleston**
   - Type: Sites and monuments databases or inventories
   - Publisher: Archaeology Data Service

5. **No title**
   - Type: Sites and monuments databases or inventories
   - Publisher: Archaeology Data Service
   - 1812 wreck of English yawl which grounded and capsized to founder near Gorleston Pier, on her return from piloting a vessel out of Gorleston; a wooden sailing vessel.

6. **Wood Farm, South Gorleston**
   - Type: Sites and monuments databases or inventories
   - Publisher: Archaeology Data Service
   - Two-stage evaluation followed initial assessment (Event 1211907) & geophysical survey (Event 1211908) recorded prehistoric features of Late Neolithic/Early Bronze Age date. See Event 1336488 for subsequent
Welcome

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Browse the Catalog

- Where
- When
- What
  - pits (earthworks)
  - churches (buildings)
  - houses
  - farms
  - farmhouses
  - lime kilns
  - forts
  - ditches
  - cairns
  - churchyards
  - vessels (containers)
Saint-Pathus (Seine-et-Marne), Les Petits Ormes : longue durée d'occupation du Néolithique à l'époque moderne : mutations d'un habitat rural du Bas-Empire à la fin du premier Moyen Âge : rapport de fouille

Type: Event/Intervention resources  Publisher: Institut national de recherches archéologiques préventives

La fouille du site des Petits Ormes à Saint-Pathus a été réalisée en amont de la construction d'un lotissement. Elle a permis de mettre au jour, entre mai et octobre 2006, près de 4 000 structures archéologiques, réparties sur cinq hectares de décapage. La fouille a livré des indices d'occupation...

Chabeuil (Drôme) Carrière Gachet : rapport de diagnostic

Type: Event/Intervention resources  Publisher: Institut national de recherches archéologiques préventives

Les sondages ouvriers lors de ce diagnostic ont permis de retrouver les différentes occupations déjà révélées lors des diverses opérations archéologiques réalisées dans ce secteur : l'occupation du Bronze final IIIIB est confirmée, par la découverte de plusieurs fosses et surtout d'un fossé à...

Savigny-le-Temple (Seine-et-Marne), ZAC du Mont Blanc : lots A1, A2, AL1, AL2, AL3, B1, B2, BL1, BL2 : [rapport de diagnostic]

Type: Event/Intervention resources  Publisher: Institut national de recherches archéologiques préventives

Ce diagnostic a permis de mettre au jour de rares structures domestiques non datées (type greniers ?) et deux fossés de parcelles antiques. Le village de Savigny au Plessis a également pu être localisé.

Longueil-Annel, Oise, Le Village : une grange monastique et un habitat des Xe-Xle siècles : rapport de fouilles

Type: Event/Intervention resources  Publisher: Institut national de recherches archéologiques préventives

La fouille du site de Longueil Le Village a permis d'aborder l'évolution particulière d'un promontoire surplombant un ancien méandre de l'Oise, le ruisseau de l'Effalois et le tracé d'une voie antique reliant Compiègne à Noyon. L'intervention archéologique a confirmé l'hypothèse, avec la découverte du...
Chabeuil (Drôme) Carrière Gachet : rapport de diagnostic

Les sondages ouverts lors de cette diagnostic ont permis de retrouver les différentes occupations déjà révélées lors des diverses opérations archéologiques réalisées dans ce secteur.

L'occupation du Bronze final IIIIB est interne riche en céramique. La pièce inédit dans la moyenne vallée du Rhône « Vérite » aucun parcellaire connu.

L'occupation gauloise retrouvée lors des recueillies lors de la fouille de la vi

Original Subject
- canals (waterways)
- land registers
- plats (maps)
- walls
- agriculture
- hearths
- rural areas
- palisades (outworks)
- pits (earthworks)

Subject
- canals (waterways)
- land registers
- plats (maps)
- walls
- agriculture
- hearths
- rural areas
- palisades (outworks)
- pits (earthworks)

Resource is part of
- Beaumont-en-Véron (Indre-et-Loire), Aménagement de la zone d'activité du Véron (Tranche 1) : rapport de diagnostic
- Ville-en-Sallaz (Haute-Savoie), Chef-Lieu : rapport de diagnostic
- Une occupation de l'âge du Bronze ancien, Saint-Avé, (Morbihan) : rapport de diagnostic
- Guilherand-Granges (Ardèche) Les Croisières : rapport de diagnostic
- Mésanger (Loire-Atlantique), Démolition de la RD 923, La Mondeire II : Foyers du Néolithique ancien-moyen et occupation de Néolithique récent : rapport de fouilles

Metadata
- ARIADNE ID: 25096
- Original ID: 20632
- Language: French
- Audience: Scientific
- Resource type: Event

Place
- Sans adresse, CHABEUIL (score geo: 1) [5.0199, 44.6893]
PeriodO
A gazetteer of period definitions for linking and visualizing data.

Download the period definitions as JSON. Use the PeriodO period browser.

What is this?
PeriodO is a gazetteer of scholarly definitions of historical, art-historical, and archaeological periods. It eases the task of linking among datasets that define periods differently. It also helps scholars and students see where period definitions overlap or diverge.

Who are you?
The PeriodO project is led by Adam Rabinowitz (University of Texas at Austin), Ryan Shaw (University of North Carolina at Chapel Hill), and Eric Kansa (OpenContext). Patrick Golden developed the PeriodO software and Sarah Buchanan helped curate the initial dataset. Our work is funded by a Digital Humanities Start-Up Grant from the Office of Digital Humanities at the National Endowment for the Humanities.

Tell me more.
Start by looking at the guide to using PeriodO. You may also be interested in reading about the motivation for the project or getting a technical overview. Further information can be found in our publications. To keep up with PeriodO developments, follow us on Twitter: @perio_do. Or contact us and ask whatever you want!
La Tène

Permalink: http://n2t.net/ark/99152/p0qhb68tb2v

Original label | La Tène (fra-latin)  
Alternate labels | La Tène (eng-latin)

Spatial coverage details | France
Spatial coverage | France

Start | 2450 BP (2000) 
(ISO value: -450)
Stop | 2051 BP (2000) 
(ISO value: -51)

Notes in source | INRAP
Editorial notes | Derived from http://n2t.net/ark/99152/p0rrjd9pw4d
Thank-you for listening

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Website: http://archaeologydataservice.ac.uk/