

Long-term Data Preservation and Re-use: the work of the Archaeology Data Service

Professor Julian D Richards
Archaeology Data Service
University of York

Outline

- Political Context – Open Data
- Challenges:
 - Digital Preservation
 - Resource Discovery and Interoperability – finding & joining up fragmented and diverse data sets
- Opportunities:
 - Digital dissemination & electronic publication

13 June 2013 –
European
parliament
ratifies new rules
on Open Data -
includes cultural
heritage data

Legal notice | Privacy | RSS English (en)

European Commission

Blog of Neelie KROES
Vice-President of the European Commission

European Commission > The Commissioners (2010-2014) > Neelie Kroes > Blog

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EU unlocks a great new source of online innovation

June 13th, 2013 | Number of views :9685

Today the [European Parliament](#) voted to formally agree new rules on open data – effectively making a reality of the proposal which [I first put forward just over 18 months ago](#), and making it **easier to open up huge amounts of public sector data**. This is about the data that public authorities can lawfully put out there – a huge wealth of **information about your public services, how administrations are spending your tax euros, geographical or cultural information**, and the like.

There's a huge benefit to opening up. Once information is out there, there is so much you can do with it. Today many of you are familiar with apps that tell you where you are and where you need to go – based on public data from [Global Positioning System](#) (GPS) satellites. But it goes beyond that: the boost from easier access is of the order tens of billions of euros. In short, this is an amazing raw material for innovation; we're basically sitting on a goldmine.

But to make a real difference you need a few things. You need prices for the data to be reasonable if not free – given that the marginal cost of your using the data is pretty low. You need to be able to not just use the data: but re-use it, without dealing with complex conditions. And you need a wide range of data from across the EU, with consistent rules to make it easier to handle (like being machine-readable,

RECENT POSTS

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SEARCH

Search

TAGS

2013: G8 Open Data Charter



18 June 2013: “a new era in which people can use open data to generate insights, ideas, and services to create a better world for all.”

The Five Principles

Policy paper

G8 Open Data Charter and Technical Annex

Published 18 June 2013

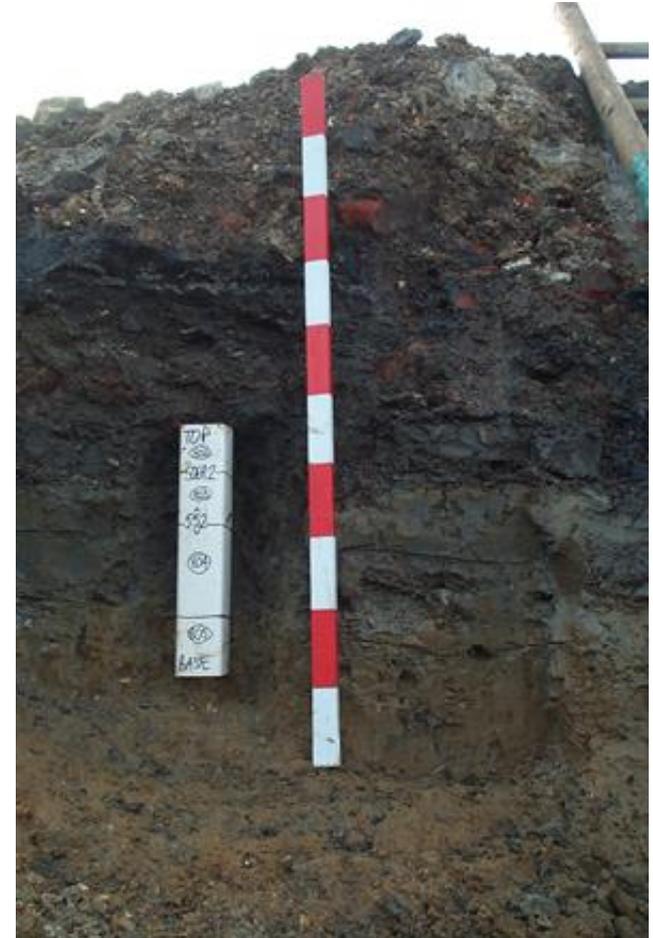
1. Open Data by Default
2. Increase Quality and Quantity for re-use
3. Usable by All
4. Releasing Data for improved Governance
5. Releasing Data for Innovation

Outline

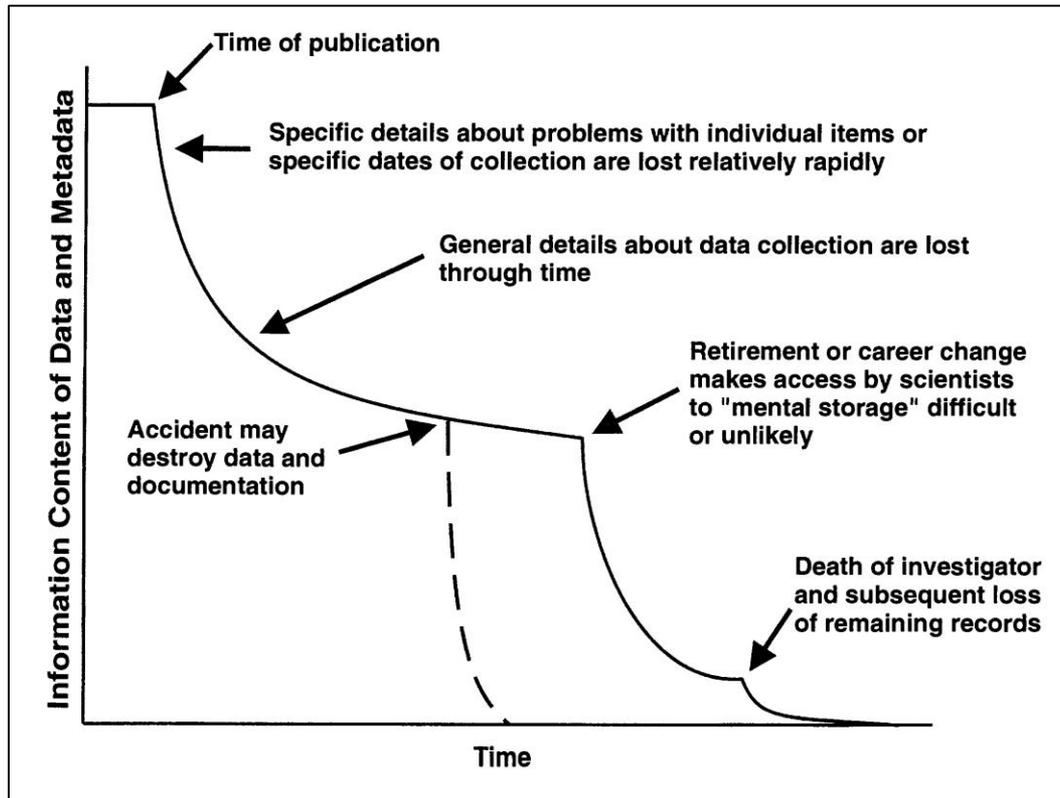
- Political Context
- Challenges:
 - Digital Preservation
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Digital Data and Heritage Management

- Archaeology is **destructive**
- Concept of “preservation by record”
- Comprehensive records of field work are imperative



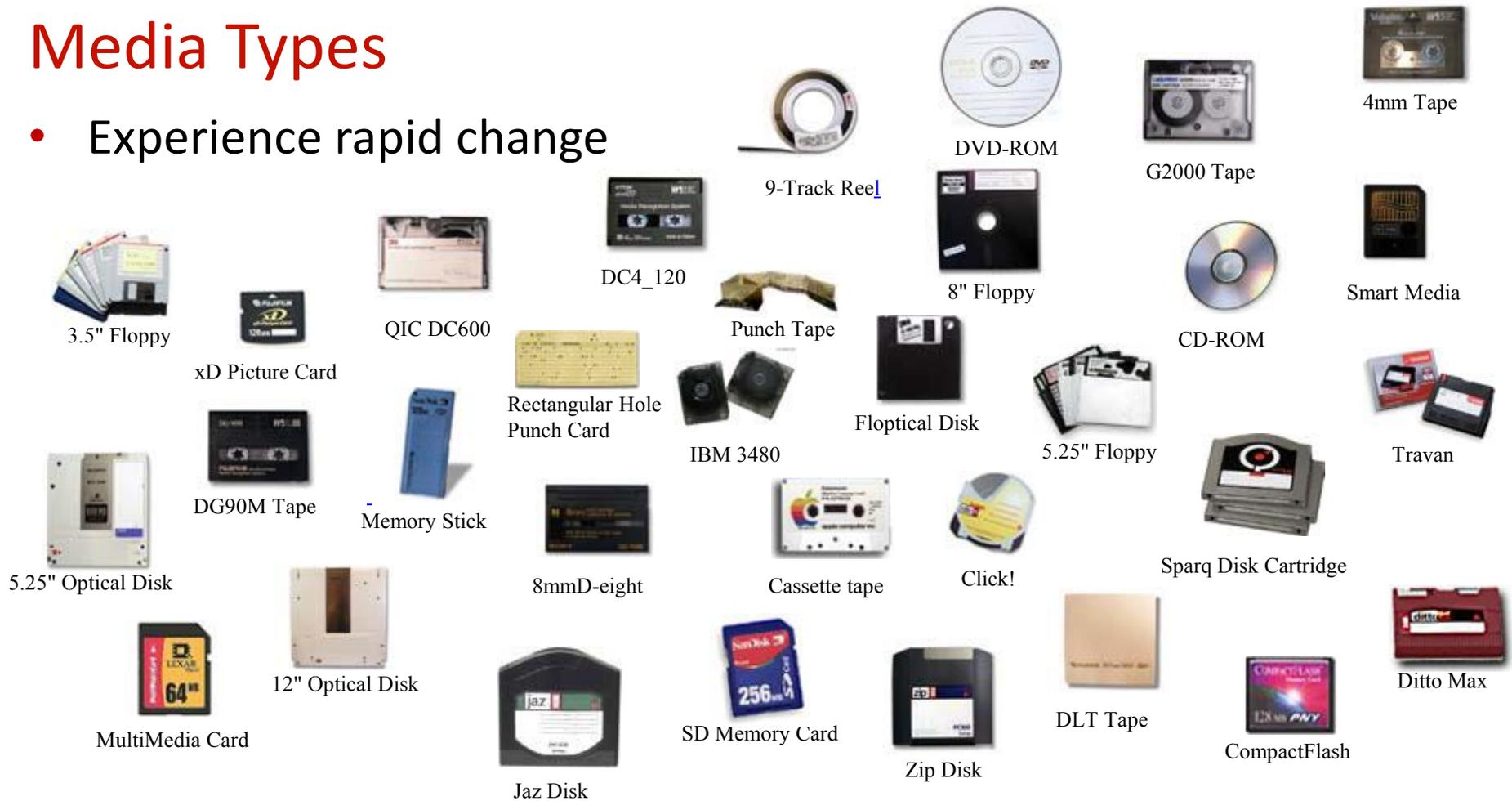
Information entropy



Michener, W.K., Brunt, J.W., Helly, J.J., Kirchner, T.B. and Stafford, S.G. 1997. Nongeospatial Metadata for the Ecological Sciences. *Ecological Applications*. 7: 330-342.

Media Types

- Experience rapid change



Digital Data Challenges

- Fragile as the archaeological record we excavate
- Still archived as objects rather than computerised information



Case Study: NASA

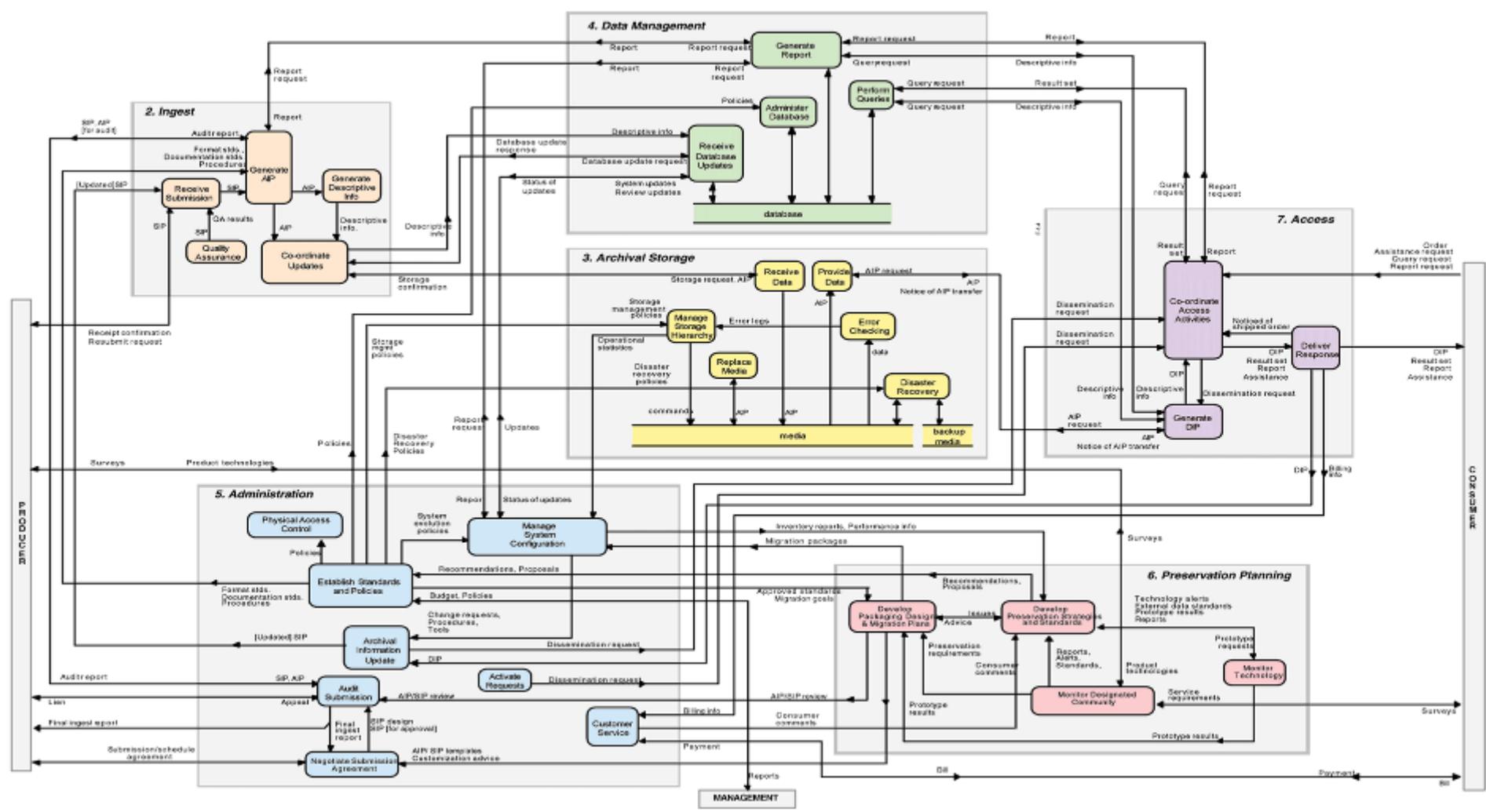
- NASA sent two Viking Landers to Mars in 1975
- Data recorded on magnetic tape
- Climate controlled environment
- In the 1990s they could not decode the formats used.
- Track down old printouts and retype everything.

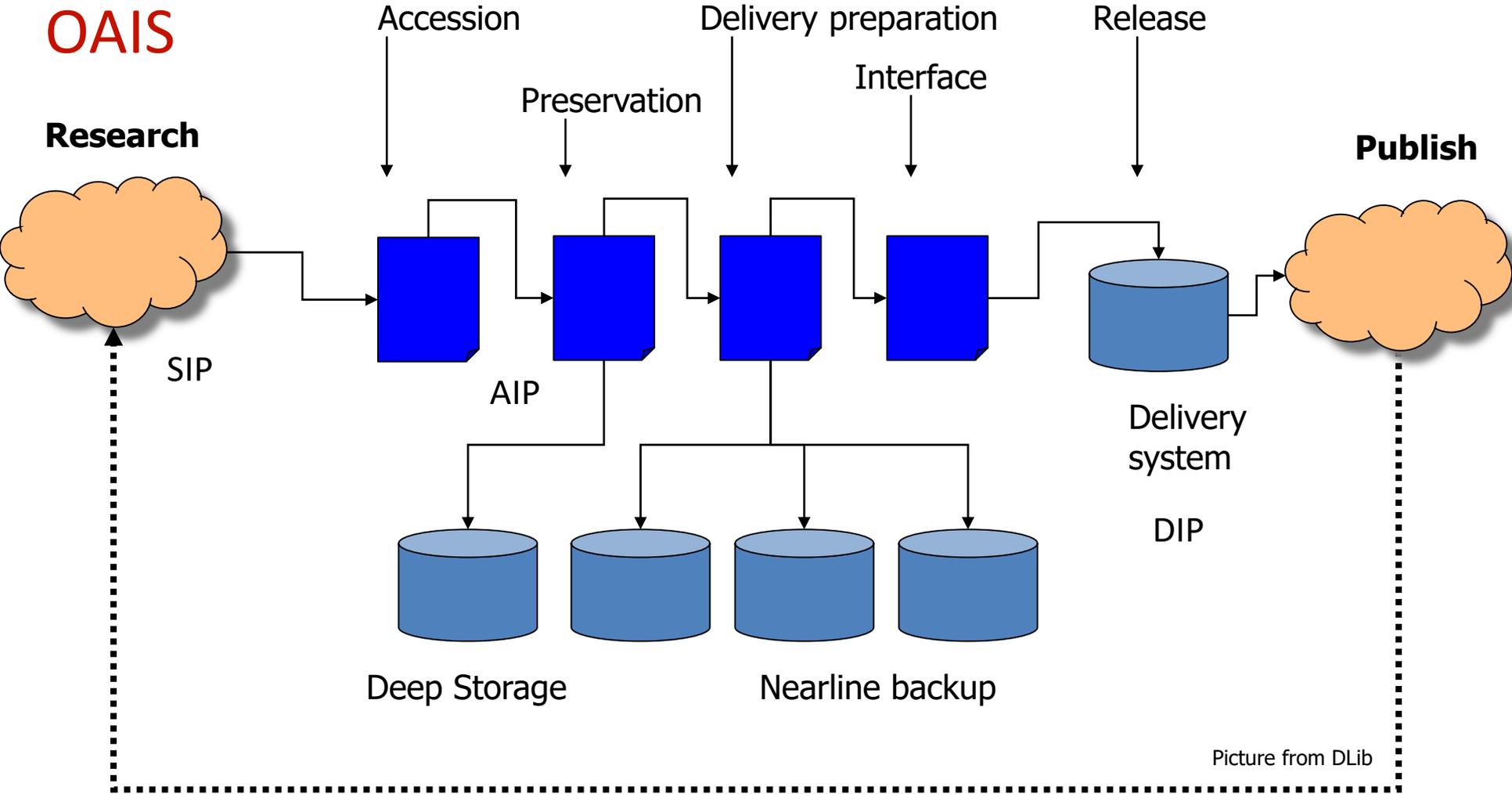


Photos: Courtesy NASA/JPL-Caltech

"Digital information lasts forever - or five years,
whichever comes first."

(Jeff Rothenberg, RAND Corp., 1997)





The Archaeology Data Service

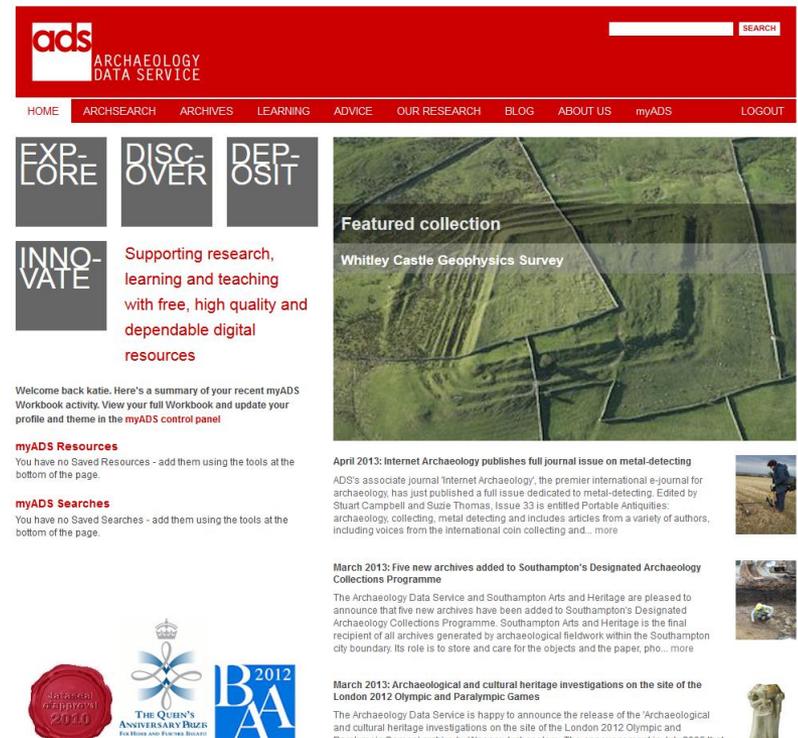
- Set up in 1996
- Based within the University of York
- 15 staff
- Business model based upon charging policy
- Data Seal of Approval
- Received Digital Preservation Coalition's Decennial Award in 2012
- Feb 2016: 10Tb; 2,054,846 **files**; 18,505 recorded **processes**



The Archaeology Data Service

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

- Collects and preserves datasets
- Provides easy and free access to datasets
- Provides guidance and support to data creators



The screenshot shows the homepage of the Archaeology Data Service. At the top is a red navigation bar with the 'ads' logo and 'ARCHAEOLOGY DATA SERVICE' text. Below the navigation bar are three main columns. The left column contains three boxes labeled 'EXPLORE', 'DISCOVER', and 'DEPOSIT'. The middle column features a 'Featured collection' section with a large aerial photograph of a geophysics survey site, titled 'Whitley Castle Geophysics Survey'. Below this are sections for 'myADS Resources' and 'myADS Searches'. The right column contains several news items with small images, including 'April 2013: Internet Archaeology publishes full journal issue on metal-detecting', 'March 2013: Five new archives added to Southampton's Designated Archaeology Collections Programme', and 'March 2013: Archaeological and cultural heritage investigations on the site of the London 2012 Olympic and Paralympic Games'. At the bottom of the page are three logos: a red circular seal for 'INTERNET ARCHAEOLOGY 2011', the 'THE QUEEN'S ANNIVERSARY PRIZE' logo, and the 'BA 2012' logo.

...the archaeological record could be decaying faster in its digital form than it ever did in the ground

...the Newham case study

Archive:

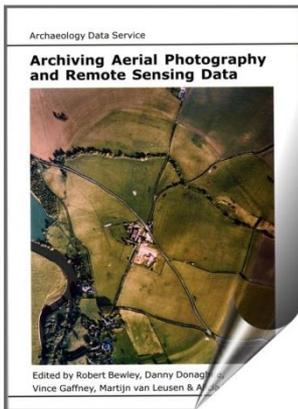
- 6432 individual files
- 1500 excavation reports
- 700 database files
- 1200 geophysics files
- 200 separate projects
- approx. 150 excavations

Lessons:

- Physical Media not the main problem
- Software problems (migration)
- Data to information (documentation)
- Plan for re-use
- Forward planning is much cheaper
- Preservation from the outset

Guides to Good Practice

- GIS
- CAD
- Geophysics
- AP and Remote Sensing
- Excavation and Fieldwork
- Virtual Reality



Archaeology Data Service / Digital Antiquity Guides to Good Practice

Log in

- Home
- Full Table of Contents

- Digital Archiving
 - About these Guidelines
 - How to use these Guides
 - What is Digital Archiving?
 - Archival Strategies

- The Project Lifecycle
 - Planning for the Creation of Digital Data
 - Project Documentation
 - Project Metadata
 - Data Selection: Preservation Intervention Points
 - The Project Archive: Storage and Dissemination
 - Copyright and Intellectual Property Rights

- Basic Components
 - Documents and Texts

This new and revised series of Guides to Good Practice have been produced as the result of a two-year collaborative project between the UK Archaeology Data Service and Digital Antiquity in the US. The project has encompassed important revisions of the existing six ADS *Guides* as well as the development of entirely new documents covering areas such as marine survey, laser scanning, close-range photogrammetry, digital audio and digital video. The project has involved previous Guides authors revising existing content alongside new authors, from both Europe and the US, also contributing to the development of the guides into new themes and areas.

The project has been undertaken in collaboration with the Digital Antiquity initiative, a US-based project with the aim of enhancing the preservation of and access to digital records of archaeological investigations. A major aim of the Guides is to provide the basis for archaeological project workflows that will create digital datasets that can be archived and shared effectively by Digital Antiquity's tDAR archive and repository in the US and by the Archaeology Data Service in the UK. The development of the *Guides* involves close collaboration with teams in the US at both the University of Arkansas and Arizona State University.

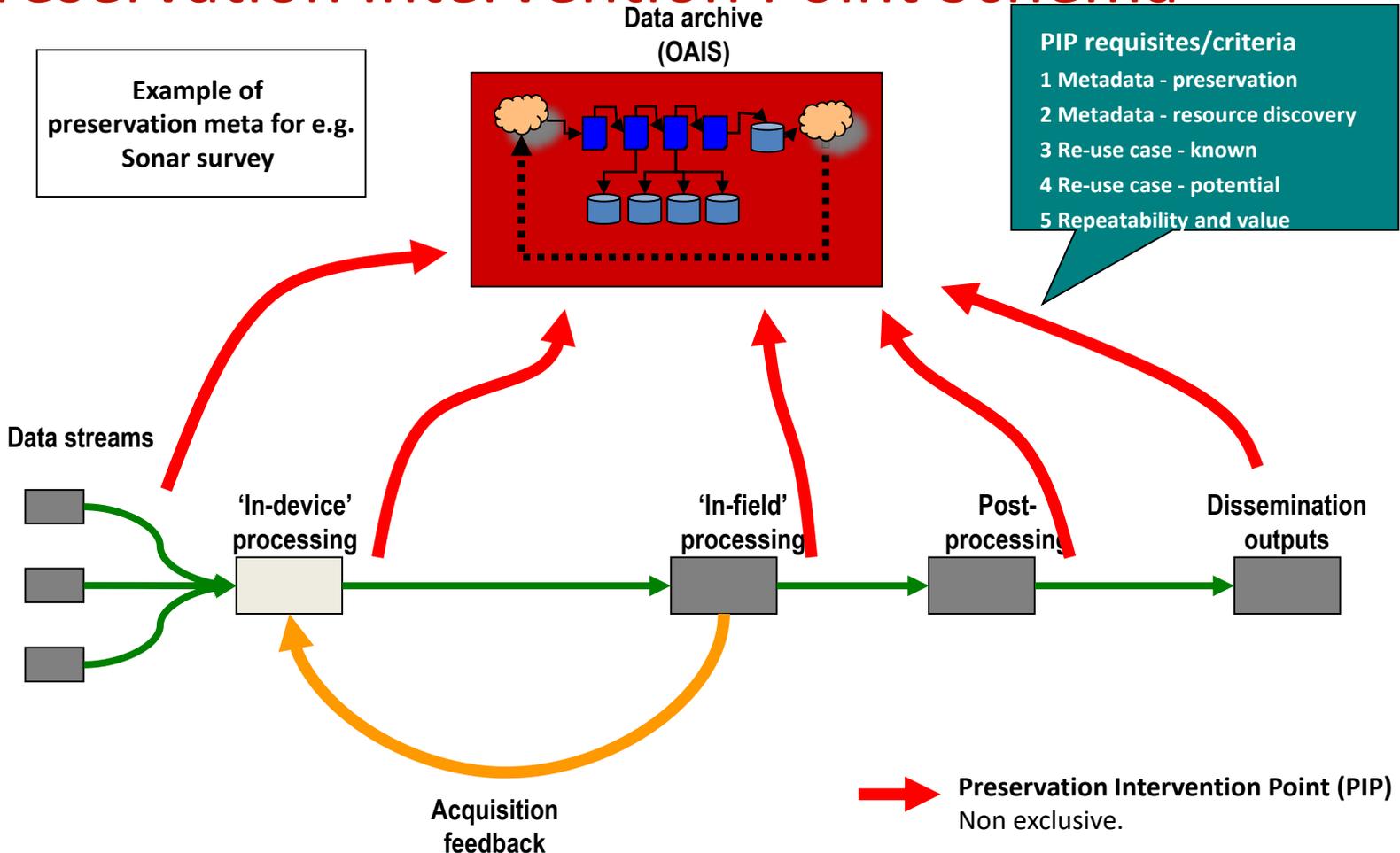
Other ADS projects have also fed into the revision and development of the Guides. ADS involvement in the European VENUS project has formed the basis of a guide focussed on marine survey. In addition, the incorporation of findings from the ADS Big Data project, together with the revision of the existing guide on aerial photography and remote sensing data, has seen a significant contribution to the guides from English Heritage funded projects.

Previous versions of the ADS/AHDS Guides to Good Practice have been archived and are still available on the old Guides to Good Practice page.

View the full new Guides to Good Practice Table of Contents



Preservation Intervention Point Schema



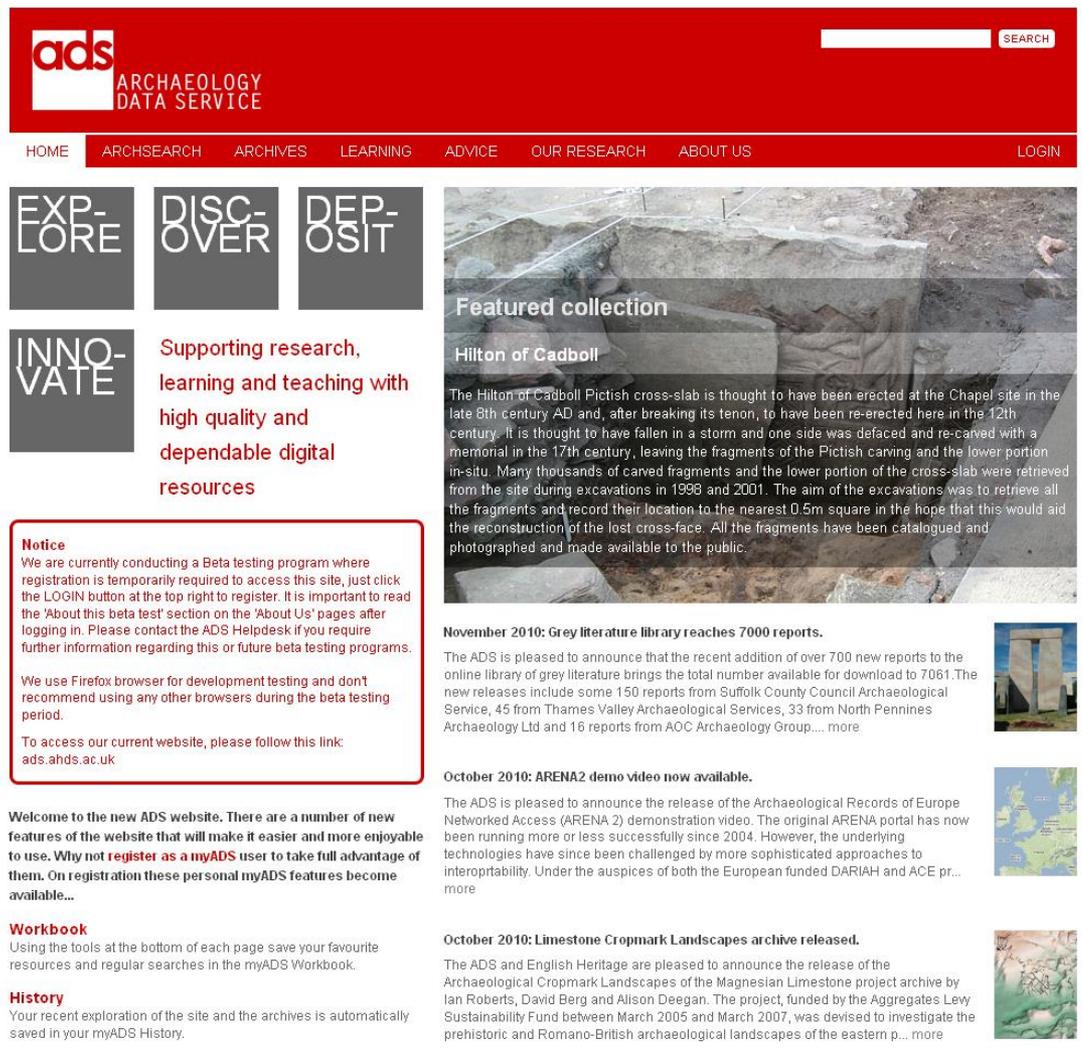
Outline

- Challenges:
 - Digital Preservation
 - Resource discovery & Interoperability
- Opportunities:
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My lithics report here, on floppy disc



ADS Website



The screenshot shows the ADS website homepage with a red header and navigation menu. The main content area features three large buttons: EXPLORE, DISCOVER, and DEPOSIT. Below these are sections for INNOVATE, a featured collection (Hilton of Cadboll), and a list of recent news items.

ads ARCHAEOLOGY DATA SERVICE

HOME ARCHSEARCH ARCHIVES LEARNING ADVICE OUR RESEARCH ABOUT US LOGIN

EXPLORE **DISCOVER** **DEPOSIT**

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

Notice
We are currently conducting a Beta testing program where registration is temporarily required to access this site, just click the LOGIN button at the top right to register. It is important to read the 'About this beta test' section on the 'About Us' pages after logging in. Please contact the ADS Helpdesk if you require further information regarding this or future beta testing programs.

We use Firefox browser for development testing and don't recommend using any other browsers during the beta testing period.

To access our current website, please follow this link: ads.ahds.ac.uk

Featured collection
Hilton of Cadboll
The Hilton of Cadboll Pictish cross-slab is thought to have been erected at the Chapel site in the late 8th century AD and, after breaking its tenon, to have been re-erected here in the 12th century. It is thought to have fallen in a storm and one side was defaced and re-carved with a memorial in the 17th century, leaving the fragments of the Pictish carving and the lower portion in-situ. Many thousands of carved fragments and the lower portion of the cross-slab were retrieved from the site during excavations in 1998 and 2001. The aim of the excavations was to retrieve all the fragments and record their location to the nearest 0.5m square in the hope that this would aid the reconstruction of the lost cross-face. All the fragments have been catalogued and photographed and made available to the public.

November 2010: Grey literature library reaches 7000 reports.
The ADS is pleased to announce that the recent addition of over 700 new reports to the online library of grey literature brings the total number available for download to 7061. The new releases include some 150 reports from Suffolk County Council Archaeological Service, 45 from Thames Valley Archaeological Services, 33 from North Pennines Archaeology Ltd and 16 reports from AOC Archaeology Group.... more

October 2010: ARENA2 demo video now available.
The ADS is pleased to announce the release of the Archaeological Records of Europe Networked Access (ARENA 2) demonstration video. The original ARENA portal has now been running more or less successfully since 2004. However, the underlying technologies have since been challenged by more sophisticated approaches to interoperability. Under the auspices of both the European funded DARIAH and ACE pr... more

October 2010: Limestone Cropmark Landscapes archive released.
The ADS and English Heritage are pleased to announce the release of the Archaeological Cropmark Landscapes of the Magnesian Limestone project archive by Ian Roberts, David Berg and Alison Deegan. The project, funded by the Aggregates Lew Sustainability Fund between March 2005 and March 2007, was devised to investigate the prehistoric and Romano-British archaeological landscapes of the eastern p... more

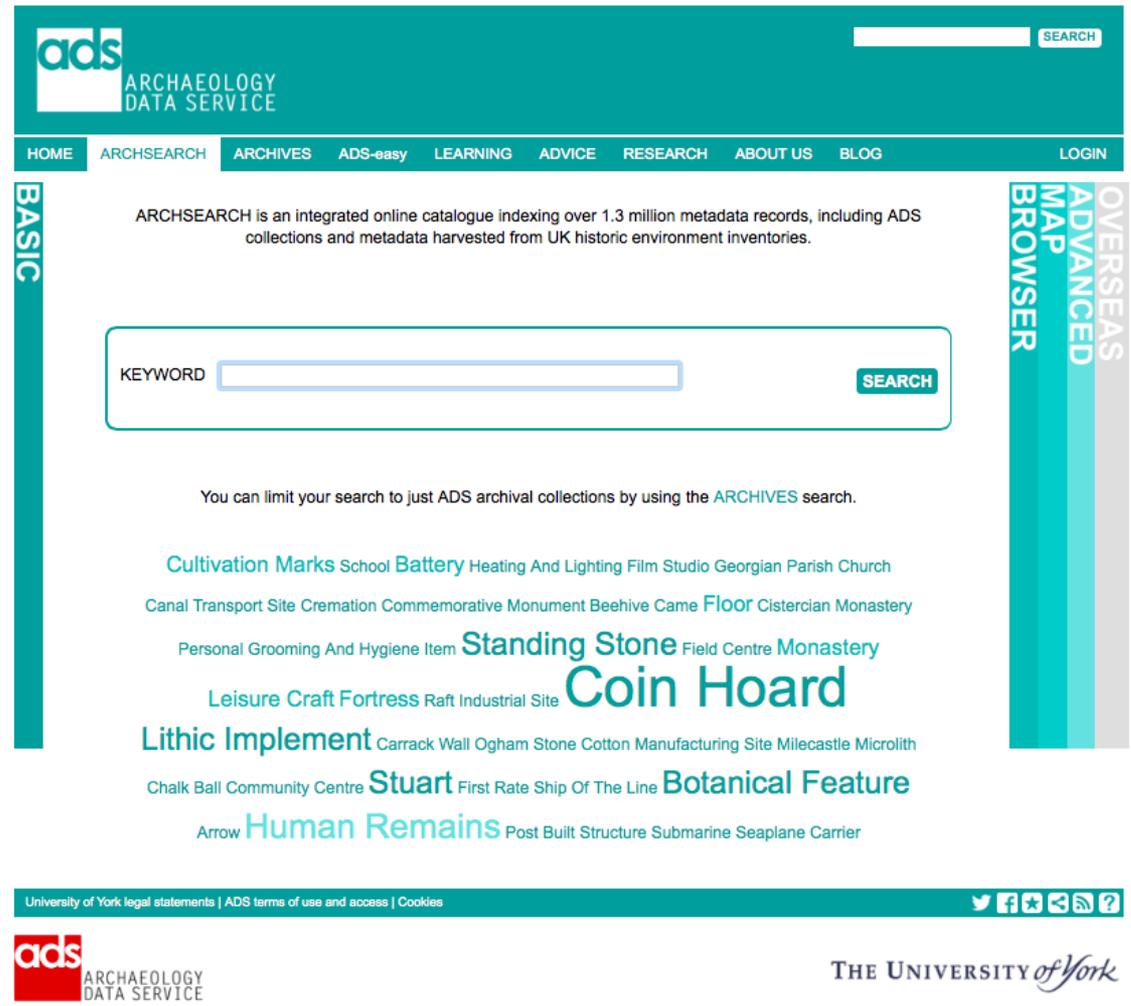
Welcome to the new ADS website. There are a number of new features of the website that will make it easier and more enjoyable to use. Why not register as a myADS user to take full advantage of them. On registration these personal myADS features become available...

Workbook
Using the tools at the bottom of each page save your favourite resources and regular searches in the myADS Workbook.

History
Your recent exploration of the site and the archives is automatically saved in your myADS History.

ArchSearch

Allows users to search by key words:
 “Type and Hope”



The screenshot shows the ADS ArchSearch website. At the top is the ADS logo and 'ARCHAEOLOGY DATA SERVICE' text. A search bar is located in the top right corner. Below the logo is a navigation menu with links: HOME, ARCHSEARCH, ARCHIVES, ADS-easy, LEARNING, ADVICE, RESEARCH, ABOUT US, BLOG, and LOGIN. The main content area features a large search box with a 'KEYWORD' label and a 'SEARCH' button. Below the search box, there is a paragraph explaining that ARCHSEARCH indexes over 1.3 million metadata records. A list of search results is displayed, with 'Coin Hoard' being the most prominent result. Other results include 'Cultivation Marks School Battery Heating And Lighting Film Studio Georgian Parish Church', 'Canal Transport Site Cremation Commemorative Monument Beehive Came FLOOR Cistercian Monastery', 'Personal Grooming And Hygiene Item Standing Stone Field Centre Monastery', 'Leisure Craft Fortress Raft Industrial Site', 'Lithic Implement Carrack Wall Ogham Stone Cotton Manufacturing Site Milecastle Microlith', 'Chalk Ball Community Centre Stuart First Rate Ship Of The Line Botanical Feature', and 'Arrow Human Remains Post Built Structure Submarine Seaplane Carrier'. On the left and right sides of the main content area, there are vertical navigation bars with labels: 'BASIC' on the left and 'OVERSEAS', 'ADVANCED', 'MAP', and 'BROWSER' on the right. At the bottom of the page, there is a footer with 'University of York legal statements | ADS terms of use and access | Cookies', social media icons, the ADS logo, and 'THE UNIVERSITY of York' logo.

ArchSearch

Facetted browse of 1.3 million records

The screenshot shows the ArchSearch website interface. At the top, there is a search bar and navigation tabs for HOME, ARCHSEARCH, ARCHIVES, ADS-easy, LEARNING, ADVICE, RESEARCH, ABOUT US, BLOG, and LOGIN. A vertical sidebar on the left contains 'BASIC BROWSER' and 'ADVANCED MAP OVERSEAS'. The main content area displays search results for the keyword '1350098'. On the left, there are four facet categories: WHAT, WHERE, WHEN, and RESOURCE, each with a list of radio button options and counts. The search results on the right show three entries, each with a title, a description, and a location. The first entry is 'ABBEY FIELDS ABBEYMead', the second is 'AINS BROOK SITE', and the third is 'APPLEGARTH WEST OF ST ANDREWS CHURCHYARD'. The fourth entry, 'BAKERS MEDIEVAL', is partially visible at the bottom.

ArchSearch

Narrow results
by facets

The screenshot shows the ArchSearch interface with the following search criteria: WHAT: Defence, WHERE: Shropshire, WHEN: Roman. The results list includes:

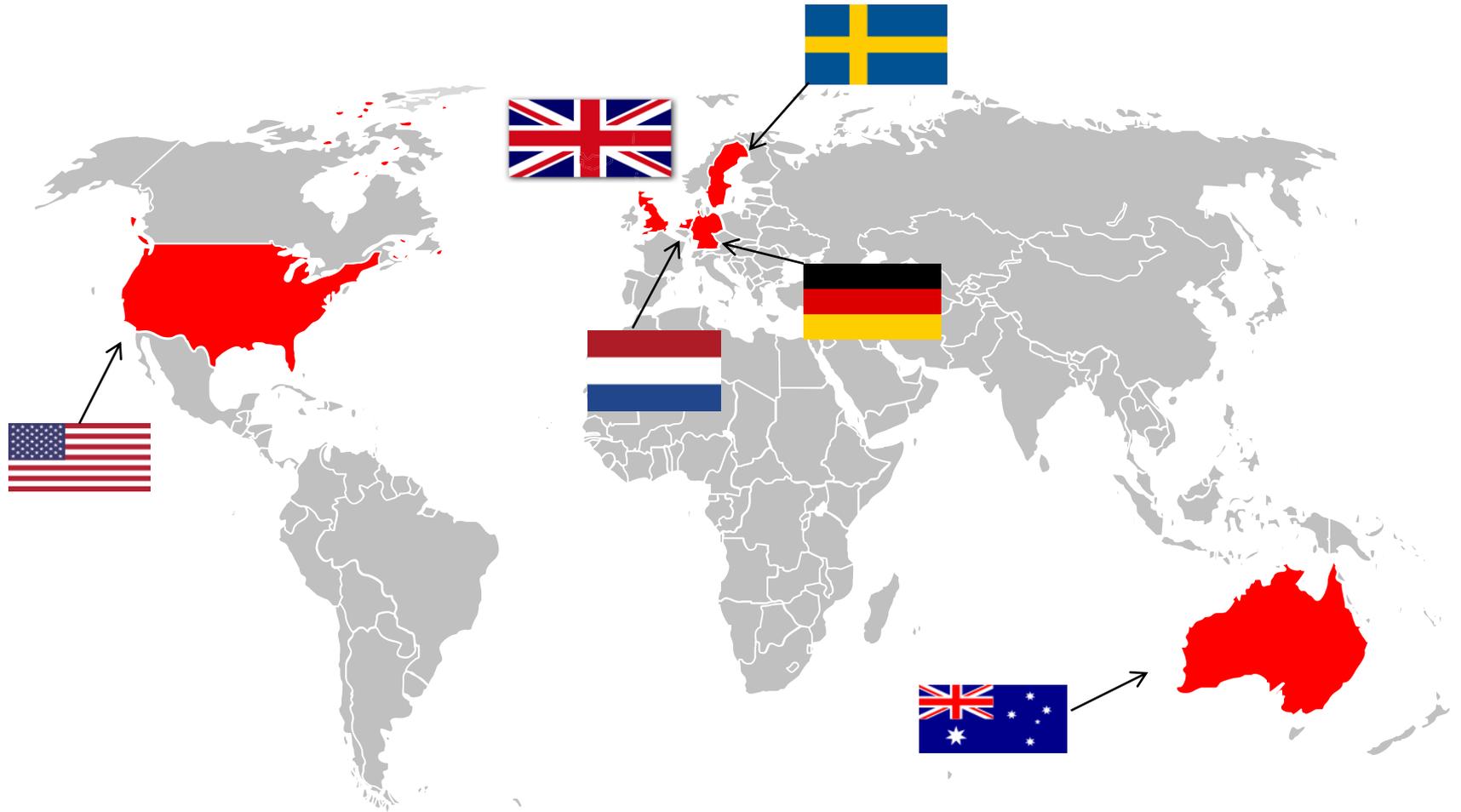
- Wroxeter Castle Hall Orchard** (Shropshire Sites and Monuments Record): Roughly rectangular earthwork which would appear to have resulted from the construction of the Roman defences, subsequently utilised as a moated site / castle? after the Norman Conquest. To the south an earth dam, now breached, would have impounded water in the ditch of the Roman city. Possible reference to this site in Inquisitions Post Mortem 12 Edward I <2>
- A Watching Brief at Rhyn Park St Martins Shropshire 2010** (ADS Grey Literature Library): A Watching Brief at Rhyn Park, St Martins, Shropshire 2010 SHROPSHIRE
- A Watching Brief at Wroxeter Roman Fort Wroxeter Shropshire 2012** (ADS Grey Literature Library): A Watching Brief at Wroxeter Roman Fort, Wroxeter, Shropshire, 2012 SHROPSHIRE
- AFFCOT** (Historic England NRHE Excavation Index for England): No description SHROPSHIRE
- ATCHAM AIRFIELD** (Historic England NRHE Excavation Index for England): Section excavated through Wroxeter's eastern defences. National Trust Project Reference No.: 794 SHROPSHIRE

ArchSearch

Search by location

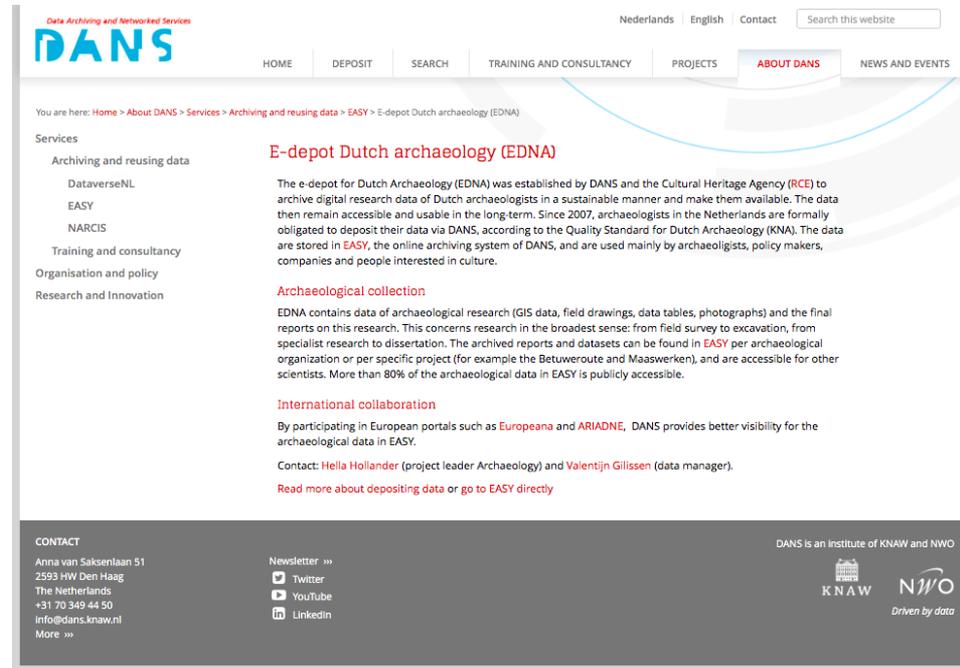
The screenshot displays the ADS ArchSearch interface. At the top, the ADS logo and 'ARCHAEOLOGY DATA SERVICE' are visible. A search bar is present with a 'SEARCH' button. Below the header, navigation links include HOME, ARCHSEARCH, ARCHIVES, ADS-easy, LEARNING, ADVICE, RESEARCH, ABOUT US, BLOG, and LOGIN. The main search area shows filters for 'WHEN Roman' and 'MAP' with coordinates: Min lat/lon: (52.544626, -2.839966) and Max lat/lon: (52.728808, -2.546082). A 'RESET QUERY' button is also present. The search results show 502 total results. A list of results includes 'Wroxeter Castle Hall Orchard', 'THE SHIELING MEOLE BRACE', 'WHITLEY CHAPEL', '23 BARROW STREET', and several 'A Watching Brief' entries for Wroxeter. A map view is active, showing a topographic map of the Wroxeter area with several orange circular markers indicating search results. The map includes a scale bar, a compass, and a 'Report a map error' link. On the left and right sides of the map area, there are vertical navigation bars labeled 'MAP BROWSER BASIC' and 'OVERSEAS ADVANCED' respectively. At the bottom of the page, there are links for 'University of York legal statements | ADS terms of use and access | Cookies', social media icons, and the ADS logo and 'THE UNIVERSITY OF York' branding.

National Preservation Infrastructures



Netherlands: eDNA

- 2004-6 pilot study – DANS & Leiden University
- 2007 eDNA
- 2 DANS members of staff, plus DANS infrastructure
- 2015 – 20,000+ fieldwork reports



The screenshot shows the DANS website interface. At the top, there is a navigation menu with links for HOME, DEPOSIT, SEARCH, TRAINING AND CONSULTANCY, PROJECTS, ABOUT DNAS (highlighted), and NEWS AND EVENTS. A search bar is located in the top right corner. Below the navigation, a breadcrumb trail reads: "You are here: Home > About DNAS > Services > Archiving and reusing data > EASY > E-depot Dutch archaeology (EDNA)".

The main content area is divided into two columns. The left column, titled "Services", lists several categories: "Archiving and reusing data" (with sub-items: DataverseNL, EASY, NARCIS), "Training and consultancy", "Organisation and policy", and "Research and Innovation".

The right column is titled "E-depot Dutch archaeology (EDNA)". It contains the following text:

E-depot Dutch archaeology (EDNA)

The e-depot for Dutch Archaeology (EDNA) was established by DANS and the Cultural Heritage Agency (RCE) to archive digital research data of Dutch archaeologists in a sustainable manner and make them available. The data then remain accessible and usable in the long-term. Since 2007, archaeologists in the Netherlands are formally obligated to deposit their data via DANS, according to the Quality Standard for Dutch Archaeology (KNA). The data are stored in EASY, the online archiving system of DANS, and are used mainly by archaeologists, policy makers, companies and people interested in culture.

Archaeological collection

EDNA contains data of archaeological research (GIS data, field drawings, data tables, photographs) and the final reports on this research. This concerns research in the broadest sense: from field survey to excavation, from specialist research to dissertation. The archived reports and datasets can be found in EASY per archaeological organization or per specific project (for example the Betuweroute and Maaswerken), and are accessible for other scientists. More than 80% of the archaeological data in EASY is publicly accessible.

International collaboration

By participating in European portals such as Europeana and ARIADNE, DANS provides better visibility for the archaeological data in EASY.

Contact: [Hella Hollander](#) (project leader Archaeology) and [Valentijn Gilissen](#) (data manager).

[Read more about depositing data](#) or [go to EASY directly](#)

At the bottom of the page, there is a "CONTACT" section with the following information: "Anna van Saksenlaan 51, 2593 HW Den Haag, The Netherlands, +31 70 349 44 50, info@dans.knaw.nl, More >>". To the right of this section are social media icons for Newsletter, Twitter, YouTube, and LinkedIn. In the bottom right corner, there are logos for KNAW and NWO, with the text "DANS is an institute of KNAW and NWO" and "Driven by data".

Sweden: SND

- Swedish National Data Service, University of Gothenburg
- 2012 first archaeological archives, in collaboration with Uppsala University – GIS files, Östergötland
- Swedish Rock Art archives

På svenska Adjust

SND Swedish National Data Service  UNIVERSITY OF GOTHENBURG

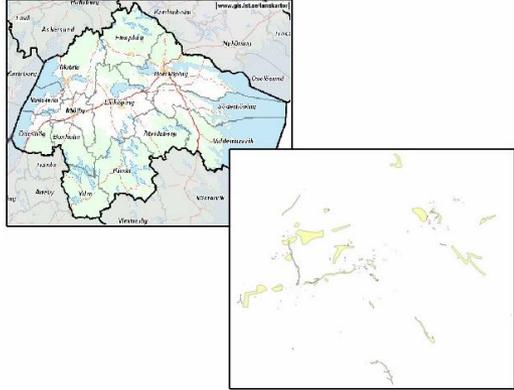
Order data Deposit data Researchers' support Grants and courses Projects About us SEARCH DATA

Home > Search and order data > GIS Data Site map

Search and order data

- Order data
- Question bank (beta)
- Open Data
- SND Nesstar Server
- International data
- The Swedish Gallup archive 1942-1954
- Swedish party programmes and election manifestos 1902-2002
- GIS Data**
- Data of the Month
- Accessibility levels

Archaeological GIS material freely available at SND



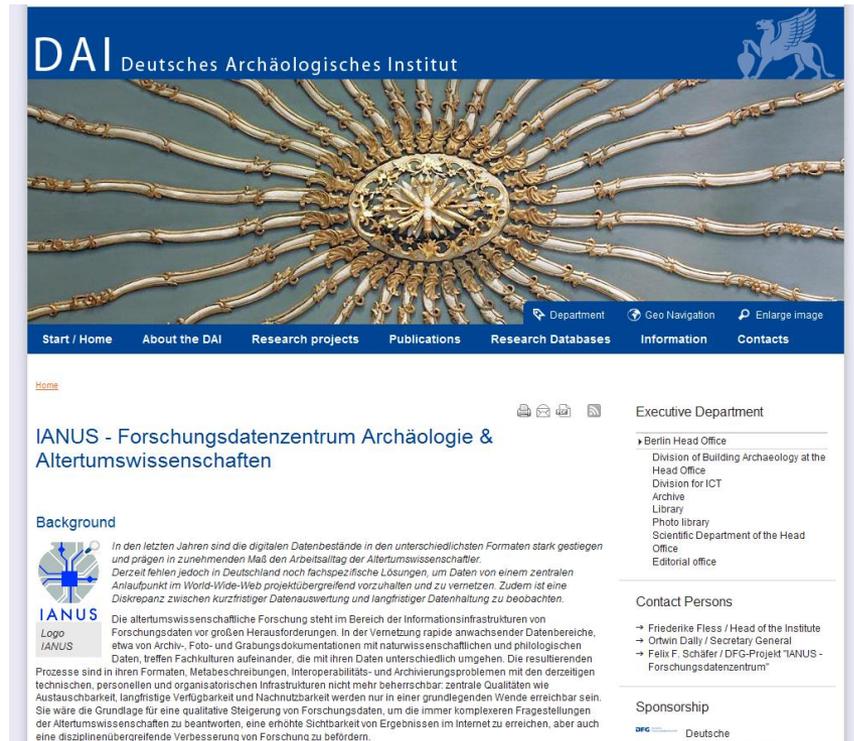
© Lantmäteriet

What did the Stone Age settlements in Östergötland look like? What archaeological findings were found during the excavation along the old E4? In SND's recently published GIS data, those who wish can immerse themselves in these and many other issues. Data are freely available and can be easily downloaded via SND's [catalogue](#).

– It feels really great that we now can make the material available directly through our website. One of the problems previously has been that this type of material has been difficult to access, says Ulf Jakobsson, data

Germany: IANUS

- 2012 – DAI scoping project
- Initial staff of two
- 2015 – Implementation phase – now 4 staff



DAI Deutsches Archäologisches Institut

Start / Home About the DAI Research projects Publications Research Databases Information Contacts

Home

IANUS - Forschungsdatenzentrum Archäologie & Altertumswissenschaften

Background

In den letzten Jahren sind die digitalen Datenbestände in den unterschiedlichsten Formaten stark gestiegen und prägen in zunehmendem Maß den Arbeitsalltag der Altertumswissenschaftler. Derzeit fehlen jedoch in Deutschland noch fachspezifische Lösungen, um Daten von einem zentralen Anlaufpunkt im World-Wide-Web projektübergreifend vorzuhalten und zu vernetzen. Zudem ist eine Diskrepanz zwischen kurzfristiger Datenauswertung und langfristiger Datenhaltung zu beobachten.

Die altertumswissenschaftliche Forschung steht im Bereich der Informationsinfrastrukturen von Forschungsdaten vor großen Herausforderungen. In der Vernetzung rapide anwachsender Datenbereiche, etwa von Archiv-, Foto- und Grabungsdokumentationen mit naturwissenschaftlichen und philologischen Daten, treffen Fachkulturen aufeinander, die mit ihren Daten unterschiedlich umgehen. Die resultierenden Prozesse sind in ihren Formaten, Metabeschreibungen, Interoperabilitäts- und Archivierungsproblemen mit den derzeitigen technischen, personellen und organisatorischen Infrastrukturen nicht mehr beherrschbar: zentrale Qualitäten wie Austauschbarkeit, langfristige Verfügbarkeit und Nachnutzbarkeit werden nur in einer grundlegenden Wende erreichbar sein. Sie wäre die Grundlage für eine qualitative Steigerung von Forschungsdaten, um die immer komplexeren Fragestellungen der Altertumswissenschaften zu beantworten, eine erhöhte Sichtbarkeit von Ergebnissen im Internet zu erreichen, aber auch eine disziplinenübergreifende Verbesserung von Forschung zu befördern.

Executive Department

- › Berlin Head Office
- Division of Building Archaeology at the Head Office
- Division for ICT
- Archive
- Library
- Photo library
- Scientific Department of the Head Office
- Editorial office

Contact Persons

- Friederike Fless / Head of the Institute
- Orwin Dally / Secretary General
- Felix F. Schäfer / DFG-Projekt "IANUS - Forschungsdatenzentrum"

Sponsorship

DFG Deutsche Forschungsgemeinschaft

United States: tDAR

- 2009+
- Mellon start-up grant
- Based Arizona State University
- Digital Antiquity consortium
- 6 staff members

Hungary

- No official national digital repository as yet
- 2016: 1700+ sites on line via ARIADNE - all metadata translated into English
- Includes grey literature, CAD drawings, digital photos, drawings, spreadsheets, database tables, GIS, 3D models etc
- Uses Hungarian National Museum protocols

NOK
M.N.M. | Nemzeti Örökségvédelmi Központ

ELÉRHETŐSÉGEK | SZOLGÁLTATÁSOK | GALÉRIA | KIADVÁNYOK

RÓLUNK
SZAKMÁNAK
BERUHÁZÓKNAK
ÉRDEKLŐDŐKNEK

Partners

Üdvözzük a Magyar Nemzeti Múzeum
Nemzeti Örökségvédelmi Központ (NÖK) honlapján!

Régészeti kutatás a bronzkori erődítésben
2014.04.14 – 2014.11.07. között a Nemzeti Kulturális Alap támogatásával műszeres lelőhely felderítést és ... ▶

A Nemzeti Örökségvédelmi Központ megszűnéséről
2014. december 31-i dátummal a Nemzeti Örökségvédelmi Központ megszűnik. A 1513/2014. (IX. 16.), valamint a 16... ▶

Felhívás
...▶

Ariadne



About Ariadne

[Read More](#)

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. There is now a large availability of archaeological digital datasets that, together, span different periods, domains and regions; more are continuously created as a result of the increasing use of IT. These are the accumulated outcome of the research of individuals, teams and institutions, but form a vast and fragmented corpus and their potential has been constrained by difficult access and non-homogenous perspectives.

Latest News

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- Jan 4 2016 [Call for EAA 2016](#)
- Dec 14 2015 [CHNT 21 - Calls](#)
- Nov 24 2015 [Landscape Reconstruction](#)
- Nov 10 2015 [ARIADNE at Digital Heritage 2015](#)

Events

[See All](#)

- Nov 28 2016 [IKUWA6](#)
- Aug 30 2016 [EAA 2016](#)
- Apr 6 2016 [SAA 81st Annual Meeting](#)
- Mar 29 2016 [CAA Conference 2016](#)

Tweets

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Ariadne_Network @Ariadne_Network 17 Dec
 Pisa declaration on policy for Grey Literature - sign here! greyguide.isti.cnr.it covers a wealth of knowledge not commercially published
 Expand
 - 
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 Interested in the digital curation of archaeology knowledge? this @Ariadne_Network summer school could be for you: tinyurl.com/zxfespy
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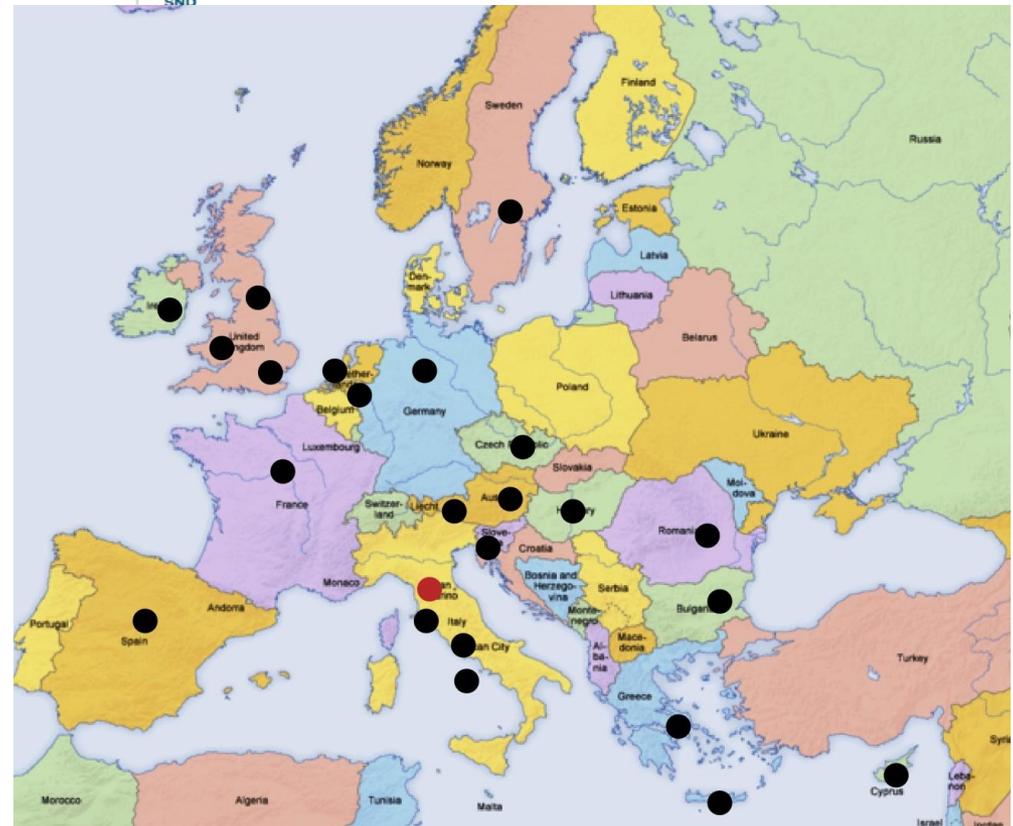
Project consortium

 <p>PIN Scri - Polo Universitario "Città di Prato" - Coordinator</p> <p>Italy</p>	 <p>Archaeology Data Service - Deputy Coordinator</p> <p>UK</p>	 <p>Data Archiving and Networked Services</p> <p>Netherlands</p>
 <p>Deutsches Archäologisches Institute – German Archaeological Institute</p> <p>Germany</p>	 <p>MDR Partners</p> <p>UK</p>	 <p>Athena Research Centre</p> <p>Greece</p>
 <p>Consiglio Nazionale delle Ricerche</p> <p>Italy</p>	 <p>Salzburg Research Forschungsgesellschaft m.b.H.</p> <p>Austria</p>	 <p>The Discovery Programme LBG</p> <p>Ireland</p>
 <p>Swedish National Data Service</p> <p>Sweden</p>	 <p>Consejo Superior de Investigaciones Científicas, Instituto de Ciencias del Patrimonio</p> <p>Spain</p>	 <p>Znanstvenoraziskovalni Center Slovenske Akademije Znanosti In Umetnosti</p> <p>Slovenia</p>
 <p>University of Glamorgan</p> <p>UK</p>	 <p>Hungarian National Museum/National Heritage Protection Centre</p> <p>Hungary</p>	 <p>The Cyprus Institute Limited</p> <p>Cyprus</p>

Introduction

Consortium

- PIN - Coordinator**
- ADS - Deputy Coordinator**
- KNAW-DANS**
- DAI**
- MDR**
- Athena-RC**
- CNR**
- SRFG**
- Discovery**
- SND**



ARIADNE

All fields

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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



Ariadne Search Map

Search

✓ Extended search

Age

Select Some Options

Period

Select Some Options

Sub-period

Select Some Options

Culture

Select Some Options

Phase

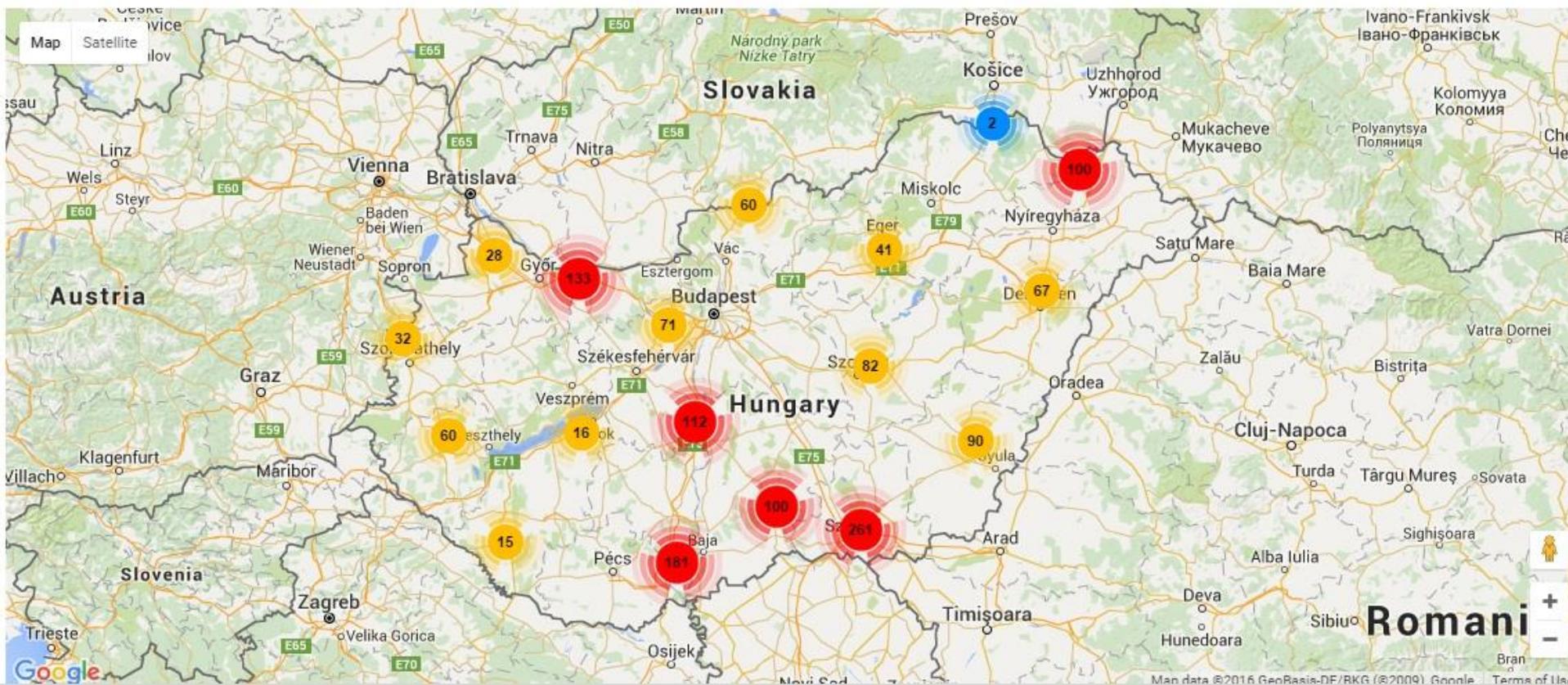
Select Some Options

Search

We found 1697 results.

✓ Map

List



Ariadne Search Map

Search

Age

Select Some Options

Period

Select Some Options

Sub-period

Select Some Options

Culture

Select Some Options

Phase

Select Some Options

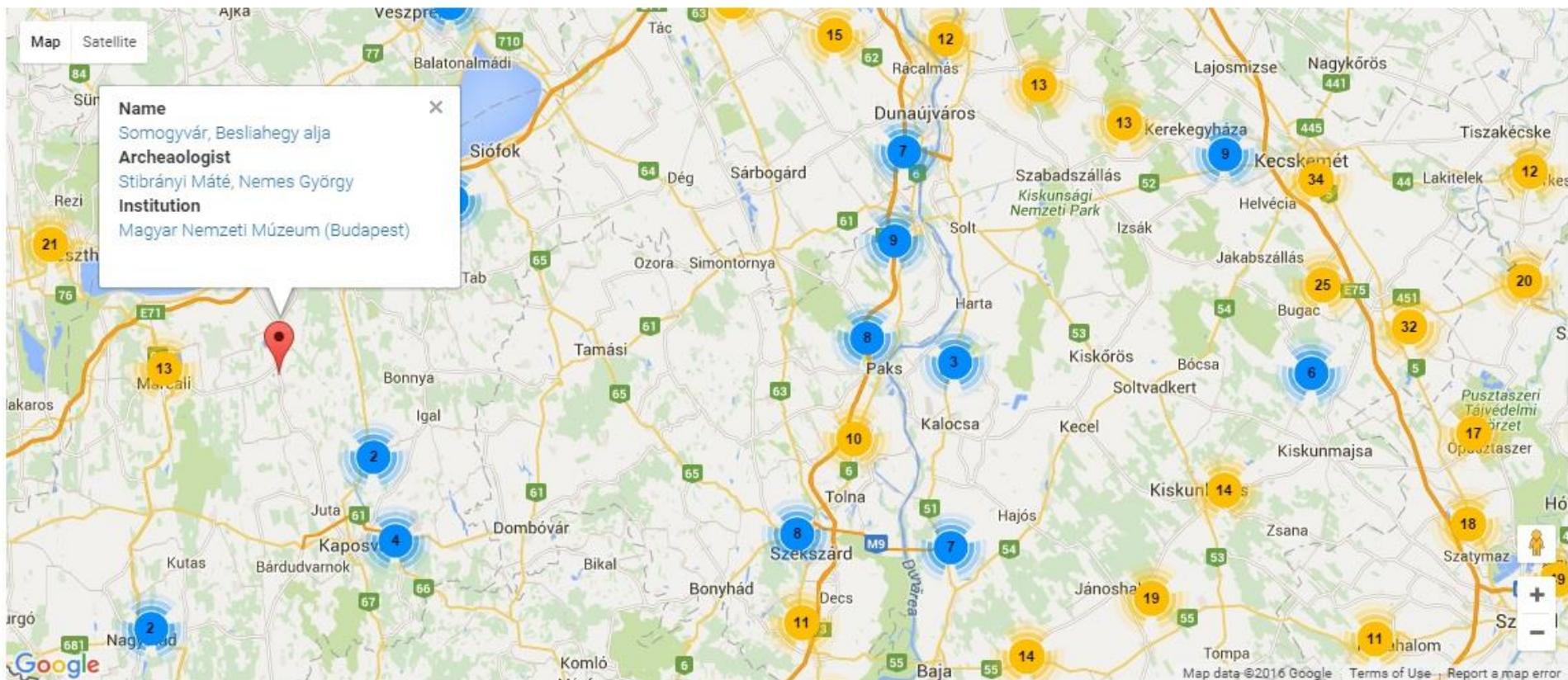
✓ Extended search

🔍 Search

We found 1697 results.

✓ Map

List



Outline

- Challenges:
 - Digital Preservation
 - Resource discovery & Interoperability
- Opportunities:
 - Digital dissemination & electronic publication

ADS Archsearch

Several thousand “thick” archives:

- 35000+ grey literature reports+
- 10000’s of articles and complete publications
- 800 or so digital research archives and supporting material (growing rapidly)

1,300,000 “thin” records:

- basic site information
- links to other data sources

Catalogue Records

site
digital
archive

other
digital
data

Contact details
and reference numbers

- 35,000+ reports
- Research Gap
- Public excluded
- Citation

The screenshot shows the ADS website interface. At the top is the ADS logo and a search bar. Below the navigation menu, the 'Library of Unpublished Fieldwork Reports' section is highlighted. It includes an introduction, primary contact information for the Archaeology Data Service at the University of York, and a list of resource identifiers. A 'Send e-mail enquiry' button is also visible. On the right side of the screenshot, there is a preview of several report covers, including one for 'Wessex Archaeology' and another for 'HBREIT'.

ads ARCHAEOLOGY DATA SERVICE

HOME ARCHSEARCH ARCHIVES ADS-easy LEARNING ADVICE RESEARCH ABOUT US BLOG LOGIN

▶ ALL | JOURNALS AND SERIES | GREY LITERATURE | PROJECT ARCHIVES | BIBLIOGRAPHIES | THESES

Library of Unpublished Fieldwork Reports

Introduction
Browse by contractor
Contractors A-Z
Search reports

Grey Literature LIBRARY

Primary contact
Archaeology Data Service
Dept. of Archaeology
The King's Manor
University of York
YO1 7EP
UK
Tel: 01904 433954
Fax: 01904 433939

Send e-mail enquiry

Resource identifiers
ADS Collection: 1093

University of York legal statements | ADS terms of use and access | Cookies

ads ARCHAEOLOGY DATA SERVICE

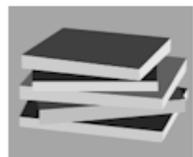
THE UNIVERSITY of York

Unpublished Fieldwork Reports (Grey Literature Library)

Introduction

[Browse by contractor](#)

[Search reports](#)



GREY LITERATURE
LIBRARY

Primary contact

Archaeology Data Service

King's Manor

Exhibition Square

York

YO1 7EP

England

Tel: 01904 323954

Fax: 01904 323939

[Send e-mail enquiry](#)

Resource identifiers

doi:10.5284/1000746

[How to cite using this DOI](#)

Details of Document

Bibliographic Reference and files

Blythe, K. (2005) *'The Limes, Ribchester'*, 2004-5/334. Oxford Archaeology North: Lancaster

Click on a button to open a file, or right click and use file --> save as from your browser menu to save the file to your computer. Alternatively, if the report is available online, click on the link to open the resource in a new window:

oxfordar2-35728_1.pdf

PDF

1013
Kb

[<< display document details >>](#)

Site details

Location

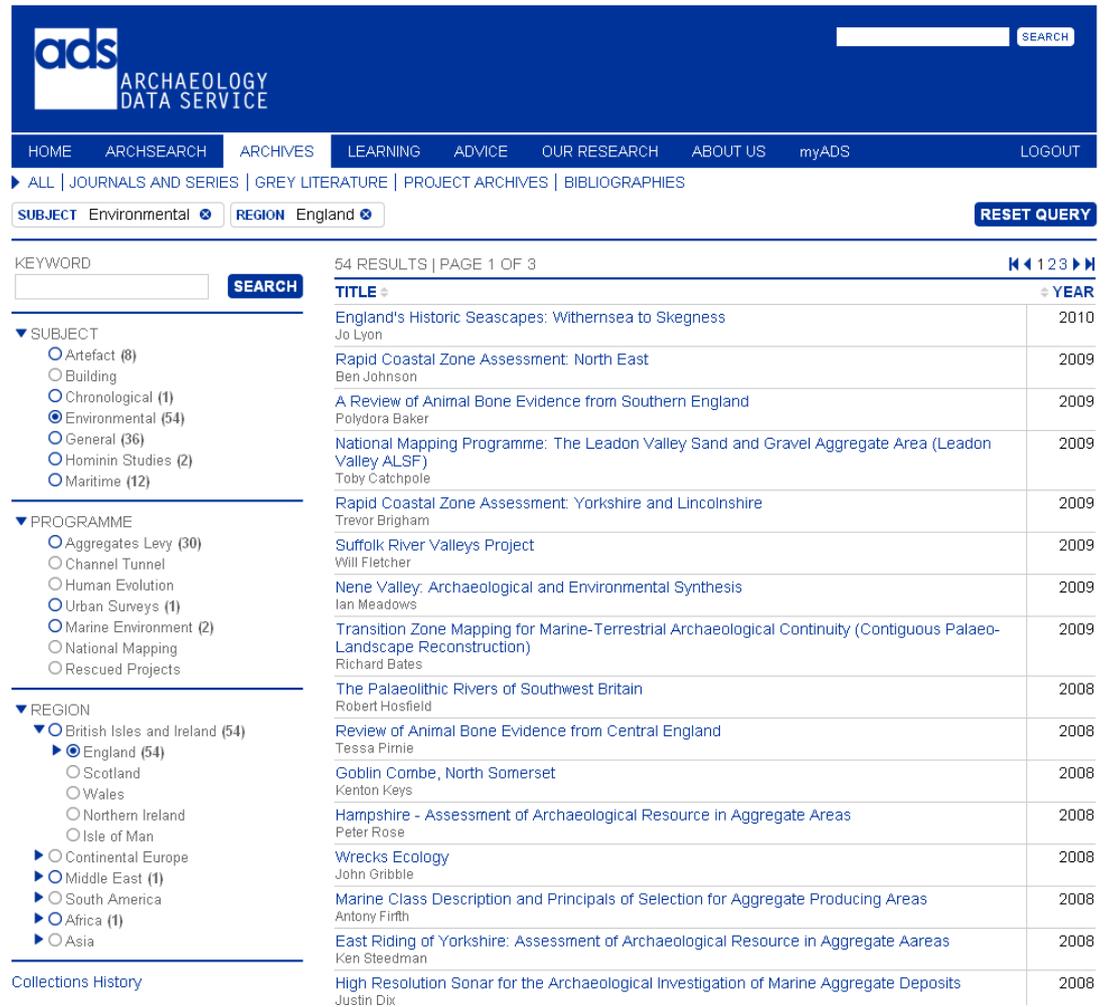
Site name The Limes, Ribchester
Parish RIBCHESTER
District RIBBLE VALLEY
County LANCASHIRE
Country ENGLAND
Grid reference SD 65861 35410 (point)

Monuments and Finds

Other details

Description A4 Document
Associated identifier oxfordar2-35728

Archives



The screenshot shows the ADS Archives search results page. The header includes the ADS logo and navigation links: HOME, ARCHSEARCH, ARCHIVES, LEARNING, ADVICE, OUR RESEARCH, ABOUT US, myADS, and LOGOUT. The search filters are set to SUBJECT: Environmental and REGION: England. The results list 54 items, with the first 10 shown. Each result includes the title, author, and year.

TITLE	YEAR
England's Historic Seascapes: Withernsea to Skegness Jo Lyon	2010
Rapid Coastal Zone Assessment: North East Ben Johnson	2009
A Review of Animal Bone Evidence from Southern England Polydora Baker	2009
National Mapping Programme: The Leadon Valley Sand and Gravel Aggregate Area (Leadon Valley ALSF) Toby Catchpole	2009
Rapid Coastal Zone Assessment: Yorkshire and Lincolnshire Trevor Bringham	2009
Suffolk River Valleys Project Will Fletcher	2009
Nene Valley: Archaeological and Environmental Synthesis Ian Meadows	2009
Transition Zone Mapping for Marine-Terrestrial Archaeological Continuity (Contiguous Palaeo-Landscape Reconstruction) Richard Bates	2009
The Palaeolithic Rivers of Southwest Britain Robert Hosfield	2008
Review of Animal Bone Evidence from Central England Tessa Pimie	2008
Goblin Combe, North Somerset Kenton Keys	2008
Hampshire - Assessment of Archaeological Resource in Aggregate Areas Peter Rose	2008
Wrecks Ecology John Gribble	2008
Marine Class Description and Principals of Selection for Aggregate Producing Areas Antony Firth	2008
East Riding of Yorkshire: Assessment of Archaeological Resource in Aggregate Areas Ken Steedman	2008
High Resolution Sonar for the Archaeological Investigation of Marine Aggregate Deposits Justin Dix	2008

Channel Tunnel Rail Link Section 1

Stuart Foreman, 2004 (updated 2009)

- Introduction
- Project Overview
- Project Downloads
- Using the resource

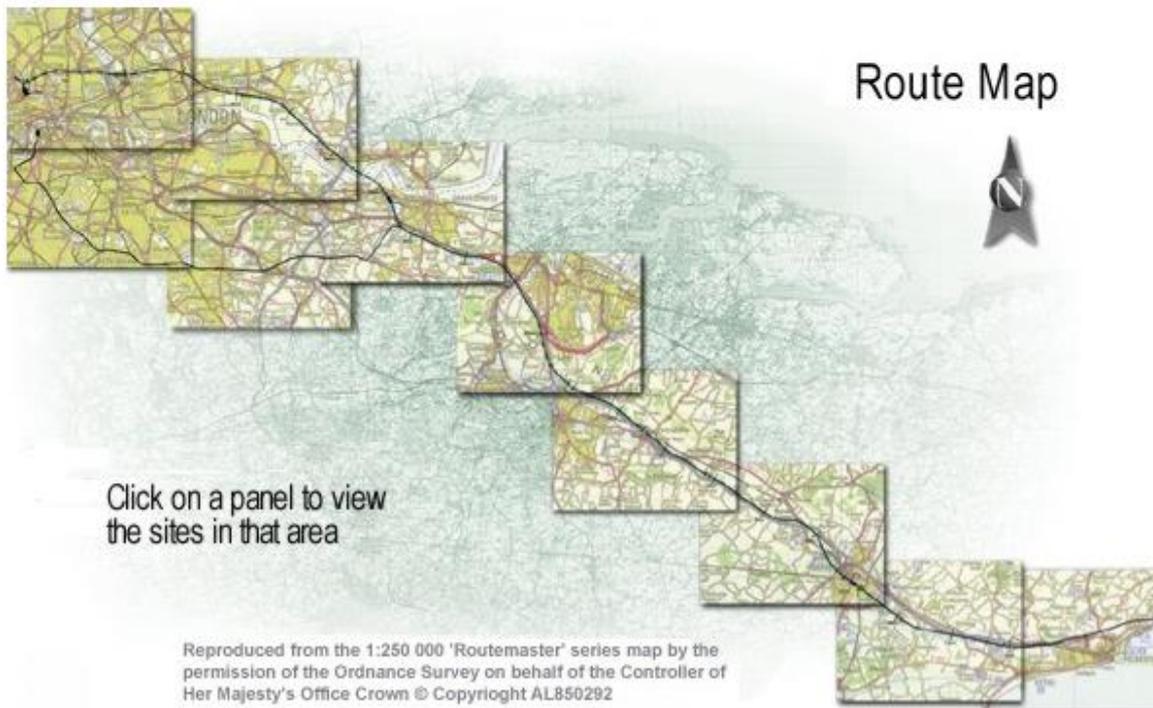
- Map Search
- Period Search
- Advanced Search
- Site List
- Reference List

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Map Search

Click on the panels of the map below to see site details.



Click on a panel to view the sites in that area

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Route Map

Framework Archaeology Heathrow Terminal 5 Excavation Archive

Framework Archaeology, 2011

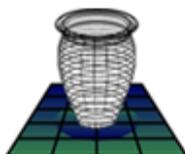
[Introduction](#)

[Overview](#)

[Query](#)

[Downloads](#)

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Archaeology unless otherwise stated



Primary contact

Wessex Archaeology
Portway House
Old Sarum Park
Salisbury
SP4 6EB

Introduction

Framework Archaeology is a Joint Venture agreement between Oxford Archaeology (OA) and Wessex Archaeology (WA) to provide archaeological services to BAA. Given the potential scale of some of BAA's projects, the joint venture enables Framework Archaeology to draw on the full resources of both OA and WA, including site staff, specialist managers, administrative support, and technical facilities. This combination of resources (totalling over 300 staff) considerably reduces risk for both our client and us, and provides Framework Archaeology with a wider skills base.

Framework Archaeology is committed to a particular archaeological philosophy developed by BAA's archaeological consultants, Gill Andrews and John Barrett. This is concerned with understanding how people inhabited past landscapes: archaeology as a study of people rather than deposits or objects. This approach is at the heart of the Archaeological Policy adopted by the BAA Main Board. Framework projects are thus academically driven but undertaken within a commercial environment. In order to fulfil the approach a Framework Archaeology recording system has been developed and is now in operation on all Framework Projects. It places great emphasis on interpretation in addition to recording and developing a historical narrative as the site is excavated (Andrews, Barrett &



Lower Palaeolithic technology, raw material and population ecology

Gilbert Marshall, David Duplax, Derek Roe, Clive Gamble, 2002

[Introduction](#)
[Overview](#)
[Query](#)

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A · H · R · B
arts and humanities research board

Primary contact

Dr Gilbert Marshall
Department of Geography
Royal Holloway, University of London
Egham
Surrey
TW20 0EX
England
Tel:  01784 443569 

[Send e-mail enquiry](#)

Resource identifiers

ADS Collection: 349
doi:10.5284/1000354
[How to cite using this DOI](#)

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Query - Results

Records 1 - 20 of 256

Pages: [1](#) | [2](#) | [3](#) | [4](#) | [5](#) | [6](#) | [7](#) | [8](#) | [9](#) | [10](#) | [>](#) | [>>](#)

Click on the images or the links below to view more details for each biface.



[IRREGULAR QUARTZITE HANDAXE \(344g\)](#)
Location: OLDUVAI GORGE TANZANIA
Museum: NATIONAL MUSEUM, DAR ES SALAAM, TANZANIA



[IRREGULAR QUARTZITE HANDAXE \(480g\)](#)
Location: OLDUVAI GORGE TANZANIA
Museum: NATIONAL MUSEUM, DAR ES SALAAM, TANZANIA



[IRREGULAR QUARTZITE HANDAXE \(763g\)](#)
Location: OLDUVAI GORGE TANZANIA
Museum: NATIONAL MUSEUM, DAR ES SALAAM, TANZANIA



[IRREGULAR QUARTZITE HANDAXE \(404g\)](#)
Location: OLDUVAI GORGE TANZANIA
Museum: NATIONAL MUSEUM, DAR ES SALAAM, TANZANIA

Defence of Britain Archive

Council for British Archaeology, 2002 (updated 2006)

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Primary contact

Council for British Archaeology
St Mary's House
66 Bootham
York
YO30 7BZ
UK
Tel: 01904 671417
Fax: 01904 671384

[Send e-mail enquiry](#)

Resource identifiers

ADS Collection: 234

[\[Return to results list\]](#)

Shell-proof type 24 pillbox.

(Source: Book 1999)

Brick-shuttered type 24 pillbox at edge of wood. With attached porch/blast wall. Faces SW. In excellent condition. Internal access possible. A short spur of anti-tank ditch leads up to this pillbox [see UORN 8552]. Five iron picket posts are still in place in the bank on the N side of the pillbox.

(Source: Field Visit 2003/02/05)

Type of site	PILLBOX (TYPE FW3/24)
Location	At S corner of Hog Wood.
Area	Hinton Charterhouse, Bath and North East Somerset, England
Grid reference	ST 7741 5944
Period	WW2
Condition	Good
Materials	Clay Brick, Reinforced Concrete
Recorder	Foot, William (English Heritage Defence Areas Project)
Defence grouping	GHQ Line: Green - Stop Line - Burnham on Sea to near Melksham (where it joins with the GHQ Line: Blue) and then north to the River Severn at Newnham. This line is also known as the Bristol Outer Line. Manned by VIII Corps.
Photographs	
DOB site reference:	S0008550
Reference	1999 Ironside's Line 1999 Warwalks: Stop Line Green
Event	Construction, In the period 1940 1941

The screenshot shows the ADS website interface. At the top left is the ADS logo. A search bar is located at the top right. Below the logo is a navigation menu with links: HOME, ARCHSEARCH, ARCHIVES, ADS-easy, LEARNING, ADVICE, RESEARCH, ABOUT US, BLOG, and LOGIN. A secondary menu lists: ALL | JOURNALS AND SERIES | GREY LITERATURE | PROJECT ARCHIVES | BIBLIOGRAPHIES | THESES. The main content area shows a search for 'Hungary' with a 'RESET QUERY' button. On the left, there are filters for 'KEYWORD' and 'WHERE' (Hungary). The 'WHERE' filter is expanded to show:

- Event (2)
- Object (1)
- Monument (2)
- Prehistoric (1)
- Roman (1)
- Medieval (1)
- Post Medieval (1)
- Continental Europe (2)
 - Hungary (2) - selected
- Funder (2)

 The search results show '2 RESULTS | PAGE 1 OF 1'. The results table has columns for 'TITLE' and 'YEAR':

TITLE	YEAR
Körös culture settlement, subsistence and environment: investigations of the Early Neolithic Körös culture site of Ecsegfalva 23, Co. Békés, Hungary Alasdair Whittle	2008
The Upper Tisza Project 1991-2004 Durham University, Eötvös Loránd University	2006

 Below the results is a 'Collections History' section. At the bottom of the page, there is a footer with 'University of York legal statements | ADS terms of use and access | Cookies' and social media icons for Twitter, Facebook, YouTube, and RSS.

Archives

ads
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The Upper Tisza Project 1991-2004

Durham University, Eötvös Loránd University, 2003

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Metadata
Usage Statistics

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BRITISH ACADEMY

Primary contact
Dr J C Chapman
Reader in Archaeology
Department of Archaeology
Durham University
South Road
Durham
DH1 3LE
England
Tel: 0191 3743625

[Send e-mail enquiry](#)

Resource identifiers
ADS Collection: 374
Collection doi:10.5284/1000220
[How to cite using this DOI](#)

The Upper Tisza Project 1991-2004

Location	World region	Continental Europe
	Non British Isles country	Hungary
	None	Valley of the river Tisza
	None	Plain of the southern Bodroghkoz
	None	Southern Zemplén hills
Grid reference	TGN	World, Europe, Hungary
	Latitude longitude bounding box	48.473687714
		20.238137722 22.1375579834
Subject	Archaeological Sciences (England)	POLLEN
	Event Type (England)	EXCAVATION
	Event Type (England)	GEOPHYSICAL SURVEY
	Event Type (England)	Surface Collection
	Library of Congress Subject Headings	Archaeology

Digital Object Identifiers
(DOIs)

Körös culture settlement, subsistence and environment: investigations of the Early Neolithic Körös culture site of Ecsefalva 23, Co. Békés, Hungary

Alasdair Whittle, 2008

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[Overview](#)

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Primary contact

Prof Alasdair Whittle
School Of History and Archaeology
Cardiff University
Cardiff
CF1 3XU
Wales
Tel: 02920 875633
Fax: 02920 874929

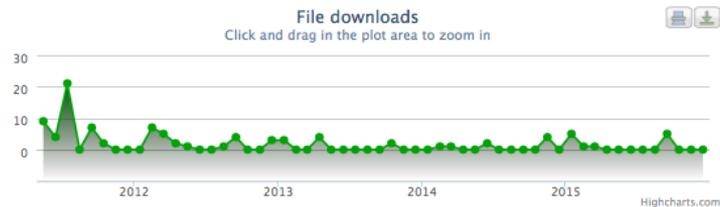
[Send e-mail enquiry](#)

Resource Identifiers

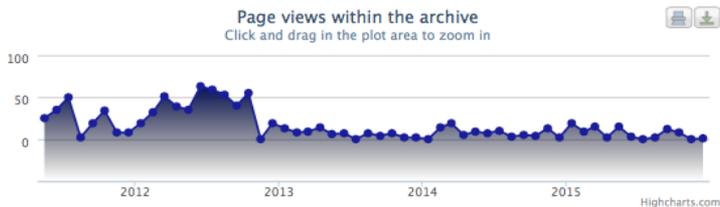
ADS Collection: 794
Collection doi:10.5284/1000068
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Pages viewed is the number of HTML pages or scripts that visitors have looked at. A "page" is a hit that is not an image, JavaScript or CSS file and which was not loaded by a search engine robot.

internet archaeology



Internet Archaeology has been publishing on the web since 1996 and is the premier e-journal for archaeology. An independent, not-for-profit journal, it publishes quality academic content and explores the potential of electronic publication through the inclusion of video, audio, searchable data sets, full-colour images, visualisations, animations and interactive mapping. Internet Archaeology is international in scope, a true journal without borders, and all content is subject to rigorous peer-review. Internet Archaeology is hosted by the [Department of Archaeology](#) at the [University of York](#). All content is fully archived by the [Archaeology Data Service](#). Internet Archaeology is an [Open Access](#) e-journal.

LEAP: Linking Electronic archives and publications



Strategy Programme.

The aim of the project is to investigate novel ways in which electronic publication over the Internet can provide broad access to research findings in the arts and humanities, and can also make underlying data available in such a way so that readers are enabled to 'drill down' seamlessly into online archives to test interpretations and develop their own conclusions.



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"Making the LEAP" is funded by the Arts and Humanities Research Council (AHRC) under the ICT

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exemplars

Whittlewood
TAESP
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Merv



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Last updated Tuesday, 22 September 2009 by Jo Gilham
Cite only: <http://ads.ahds.ac.uk/project/leap/index.html> for this page

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The Urban Landscapes of Ancient Merv, Turkmenistan

Tim Williams, Sjoerd van der Linde, 2008

Introduction
 Overview
 Interactive Map
 Downloads

Data copyright © Dr Tim Williams unless otherwise stated



Primary contact
 Dr Tim Williams
 Institute of Archaeology
 University College London
 Gower Street
 London
 WC1E 6BT
 UK

Send e-mail enquiry

Resource identifiers

ADS Collection: 489
 doi:10.5284/1000164
 How to cite using this DOI



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THE UNIVERSITY of York

The landscapes of Islamic Merv, Turkmenistan: Where to draw the line?

Tim Williams

Institute of Archaeology, University College London, 31-34 Gordon Square, London WC1H 0PY. Email: tim.d.williams@ucl.ac.uk

Summary

[Table of Contents](#) | [Subscribe to this article.](#)

This article outlines approaches for interpreting the Islamic city of Sultan Kala (Merv), c. 8th-13th centuries AD, based upon aerial photographic and satellite imagery. Hierarchies of assumptions (identification of individual wall lines; which frame spaces, rooms and courtyards; which are grouped as parts of specific buildings; which are part of urban blocks) and ontologies (information about these assumptions and the variable confidence of interpretation, from the position of lines to spatial function) provide a dynamic structure for the presentation of data, interpretation and theory.

The article establishes procedures and protocols within two sample areas (selected to represent the diverse features of the urban and suburban landscapes) to:

- Explore the theory and methodology of documenting interpretation (and uncertainty) in the transcription of aerial photographic and satellite imagery
- Develop ontological approaches to structuring interpretations and assumptions, within a hermeneutic model.
- Provide a textual and graphic narrative of the development of the areas.
- Establish an online forum (weblog) to contribute to the long-term project.
- Explore the use of other forms of electronic archive material, in particular, how imagery and audio files can be used to develop the discussion of landscapes and buildings.



Preparation of this electronic publication and associated [archive](#) was assisted by a [grant](#) from the AHRC under the ICT Strategy programme.

Go to article [Table of Contents](#)

Features

This article will appeal to: those interested in the presentation of data, interpretation and theory
 Keywords: Merv; Silk Route; Turkmenistan; interpretation; uncertainty; aerial photographs; satellite
 Find more publications on [the Silk Route](#) in the British and Irish Archaeological Bibliography (BIAB)

NEXT CONTENTS HOME COMMENTS

© Internet Archaeology/Author(s) URL: http://intarch.ac.uk/journal/issue25/merv_index.html
 Last updated: Wed Apr 02 2008

The Urban Landscapes of Ancient Merv, Turkmenistan

Tim Williams, Sjoerd van der Linde, 2008

Introduction
 Overview
 Interactive Map
 Downloads

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Primary contact
 Dr Tim Williams
 Institute of Archaeology
 University College London
 Gower Street
 London
 WC1E 6BT
 UK

Send e-mail enquiry

Resource identifiers

ADS Collection: 489
 doi: 10.5284/1000164
 How to cite using this DOI



Image files | GIS files | Documents | Movies | Oral Interviews

Downloads

This section contains the shapefiles and aerial photos of the GIS as well as documentation. The aerial photos are very large so previews have been provided of a common area of the images to offer a comparison of quality and processing employed.

GIS files

Documentation:

GIS Layers	PDF	71 Kb
------------	-----	-------

Raster and World Files:

The raster images here are very large and may take a considerable time to download for some users with slower internet connections. Use the preview of the image on the left to see the quality and processing effects to determine if the image is desired before downloading. The complete TIFF and World File are zipped up and can be downloaded by clicking on the ZIP box on the right. Information on the images and the processing used can also be found in the 'GIS Layers' documentation above.

	AP Dom-Joined and enhanced	ZIP	80 Mb
	ikonos	ZIP	45 Mb
	AP Ceri-Joined	ZIP	64 Mb
	Russian map	ZIP	4 Mb
	AP Dom-Joined	ZIP	86 Mb
	AP Ceri-cut contrasted	ZIP	25 Mb

PREVIOUS NEXT CONTENTS HOME

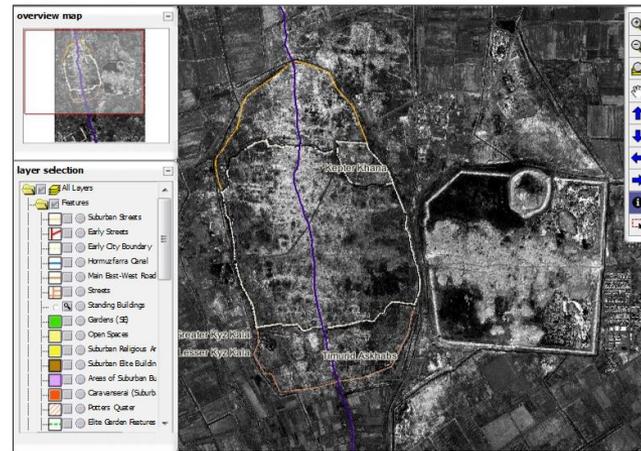
3. A short introduction to the city of Sultan Kala

With the coming of Islam, in the 7th century AD, Merv became the capital of Khurasan (the 'eastern land') (for an overview of the history see Kennedy 1999; Williams forthcoming). In the 740s the 'Abbasid revolution began here, and while Baghdad was established as the capital of the new empire, Merv's status grew, as the capital of Khurasan, from east of the Great Desert to the frontiers of India. In the same decade, the governor, Abu Muslim, commissioned a mosque to be built alongside the Madjan Canal, which flowed about a kilometre to the west of the old city of Gaur Kala. Thus began the new city of Marv al-Shahijan (Merv the great: today Sultan Kala) (Fig. 7 - opens GIS). It is tempting to see the mosque as part of the planning for the heart of the new city, and by the 9th century it lay at the centre of a thriving metropolis. The city was planned, with a street system and a carefully managed water supply with numerous canals and reservoirs in each district (Williams forthcoming). It seems likely that the new status of Merv, coupled with new ideas and beliefs that identified the need for public

Figure 6: A short introductory film about Merv



Switch to the [Turkmen](#) version



Burdale: An Anglian Settlement in the Yorkshire Wolds (Data Paper)



Julian D Richards* and Steve Roskams*

*Department of Archaeology, University of York, UK. julian.richards@york.ac.uk (0000-0003-3938-899X) / steve.roskams@york.ac.uk

Cite this as: Richards, J., and Roskams, S. (2013). Burdale: An Anglian Settlement in the Yorkshire Wolds (Data Paper). *Internet Archaeology*, (35). doi:10.11141/ia.35.8

Dataset Location

This dataset has been deposited with the Archaeology Data Service. doi: [10.5284/1021540](https://doi.org/10.5284/1021540)

Referee

[Referee statement](#) by Gabor Thomas

Dataset Content

The Burdale digital archive (Richards and Roskams 2013) comprises a broad range of primary and secondary data derived from fieldwork and post-excavation analysis. It complements the summary report published as Richards and Roskams (2012).

Full stratigraphic reports are downloadable for each season of excavation and can be related to the sequence of CAD plans also available. These can, in turn, be set within the wider site map derived from aerial photography and geophysical survey. Final reports are available for the pottery, spindlewhorls, and [worked bone and antler](#) (Ashby 2013). Other finds are simply listed in the finds databases, split by excavation year, with some preliminary notes on the ironwork included in the investigative conservation reports. The non-ferrous finds assemblage was largely missing, apart from a small number of topsoil finds recovered during metal detector surveys. Given the alleged wealth of the site, and the interest in it from 'nighthawks' we have to assume that unfortunately, most of the coinage and copper alloy metalwork has been collected from the ploughsoil over many years and is in private hands or has been sold for profit. In common with other Yorkshire sites Burdale produced very little early medieval pottery but this is likely to be a real absence rather than a product of recovery bias. The [animal bone assemblage](#) (Richardson 2010) is one of the most important elements of the archive. Over 300 images are also presented, split by year of excavation.

The file [downloads](#) are organised in 3 groups: those relating to the whole project and those specifically related to excavations in 2006 (BUR06) or 2007 (BUR07).



Transparent refereeing



Figure 6: The Burdale project: a team effort!

Acknowledgements

On-site direction was undertaken by Steve Roskams, with additional supervision by Madeleine Hummler, Steve Dobson and Ben Gourley. Initial interest in the site was prompted by Cath Neal's doctoral research. Metal detecting support was provided by Mark Ainsley, Geoff Bambrook, Ian Postlethwaite, and colleagues in *Historia Detectum*. Michael Charno, Eric Thurston and Thomas Mountain provided CAD support. Mags Felter and Ian Panter at [York Archaeological Trust](#) undertook the finds conservation, and Tony Austin and Elizabeth Jelley catalogued the finds. Eleanor Blakelock examined the ironwork, and Steve Ashby the bone and antlerwork. Permission to carry out the fieldwork was granted by Lester Bell, tenant farmer, and by the landowner, the Right Honourable Michael Willoughby (now Lord Middleton) and the Birdsall Estate Company.

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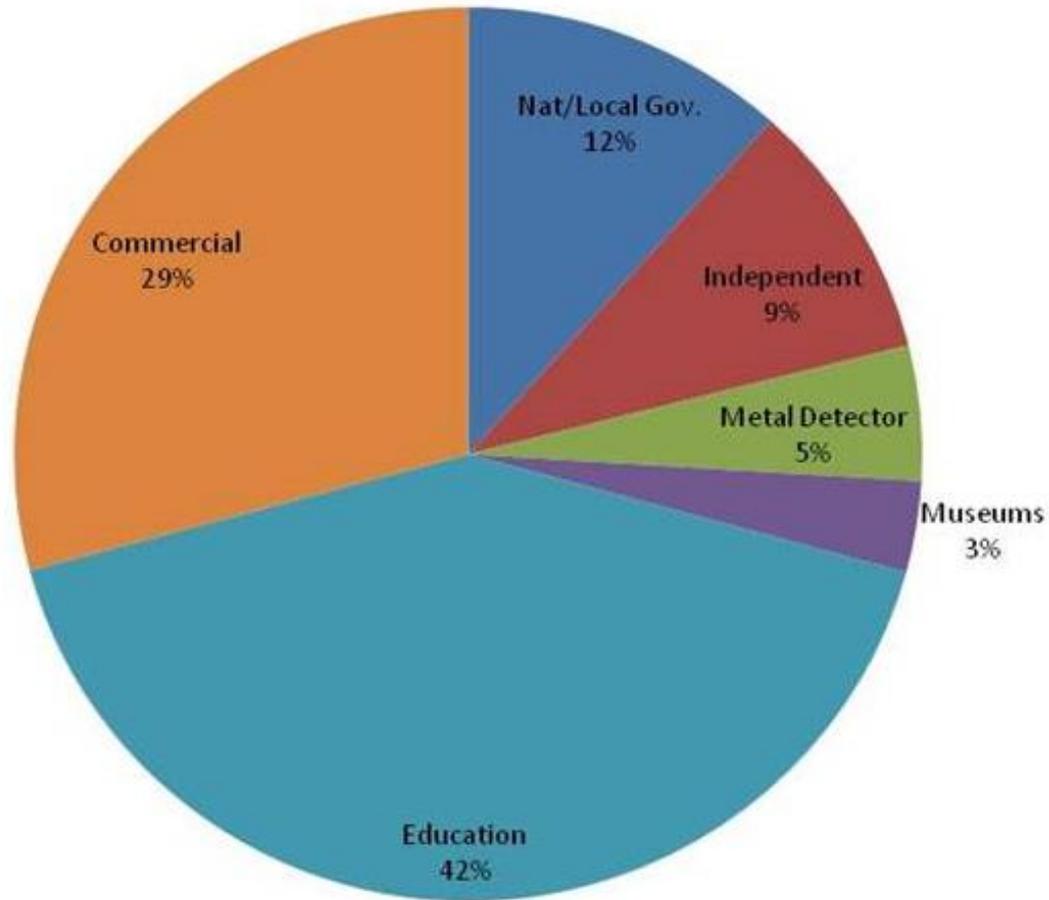
Referee Statement

Gabor Thomas, Department of Archaeology, University of Reading, UK.

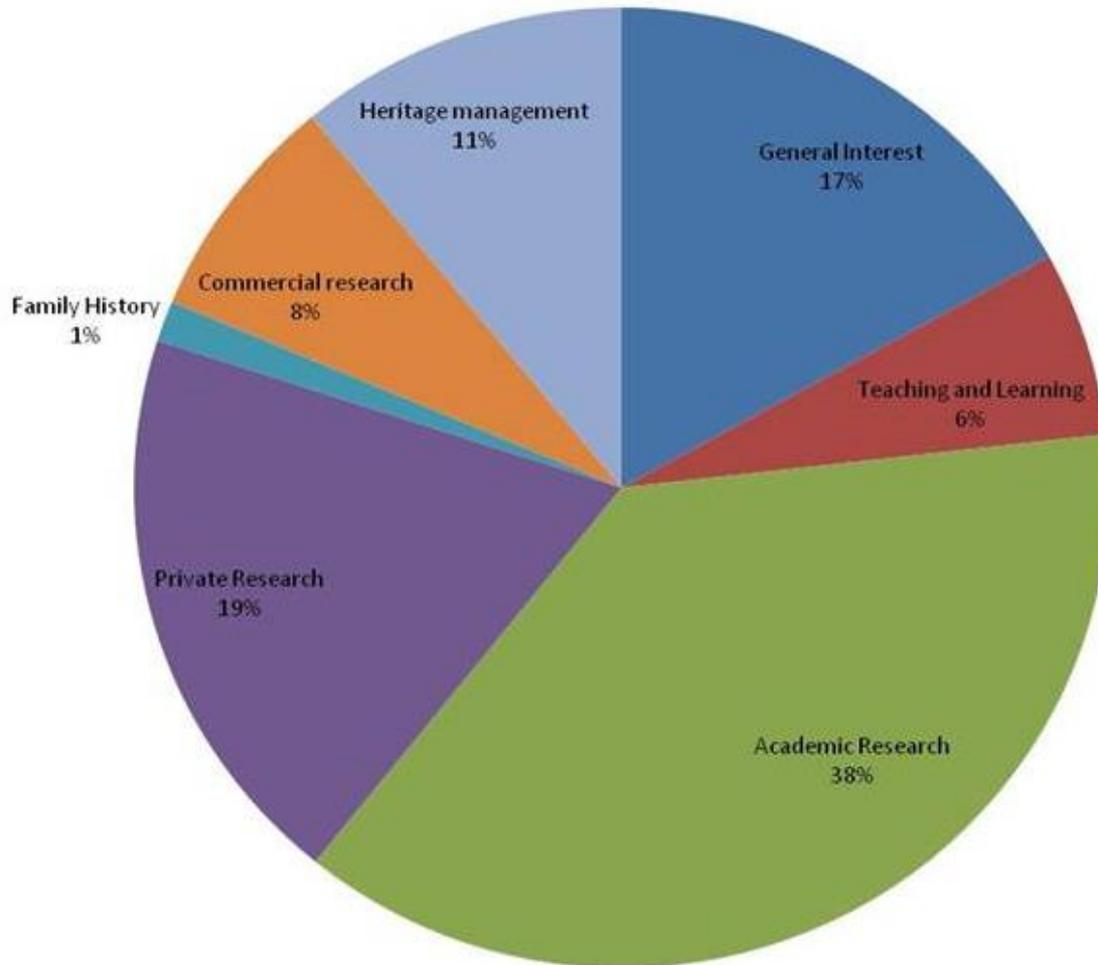
Cite this as: Thomas, G. 'Referee Statement' in Richards, J., and Roskams, S. (2013). Burdale: An Anglian Settlement in the Yorkshire Wolds (Data Paper). *Internet Archaeology*, (35). doi:10.11141/ia.35.8

The site of Burdale on the Yorkshire Wolds lies within one of the most intensively investigated archaeological landscapes in northern England. In the immediate catchment can be found the internationally important sites of Wharram Percy and West Heslerton, augmented by a cluster of other settlements identified through aerial reconnaissance and metal-detecting of which Cottam and Cowlam have previously been investigated under the ambit of the same University of York project targeting Anglian settlement on the Yorkshire Wolds. The importance of the dataset thus lies in its contribution to a broader programme of research whose cumulative results have the potential to generate something approaching a holistic view of landscape change in an English micro-region over the first millennium AD.

Who is Using the ADS?



Primary re-use of data



ADS Value/Impact Analysis

Investment Return over 30 years?

Increase in returns on investment in data and related infrastructure arising from additional use facilitated by ADS



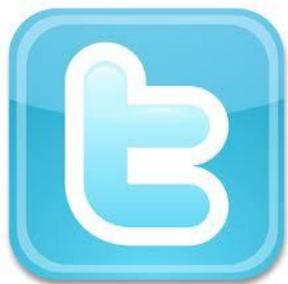
£1 investment provides up to £8.30 return



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