

Digital preservation and access in a European perspective: Introducing ARIADNE

*Préservation numérique et accès aux données
dans une perspective européenne:
Introduction à ARIADNE*

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Director, Archaeology Data Service, University of York, UK

Federico Nurra

Service Activités Internationales, DST, Inrap, FR

- The Open Data Agenda
- Review of National E-Infrastructures
- European Interoperability for Online Heritage Databases
 - ARIADNE
 - E-RIHS (European Research Infrastructure for Heritage Science)
- Inrap participation to ARIADNE



Open Data in Europe

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

*Le Parlement européen ratifie
les nouvelles règles sur les
données ouvertes, incluant les
données liés au patrimoine
culturel*



The screenshot shows a blog post by Neelie Kroes, Vice-President of the European Commission. The page header includes the European Commission logo, the text 'Blog of Neelie KROES Vice-President of the European Commission', and a language dropdown menu set to 'English (en)'. The breadcrumb trail reads 'European Commission > The Commissioners (2010-2014) > Neelie Kroes > Blog'. Navigation links for 'Previous post', 'Blog', and 'Next post' are visible. The main article title is 'EU unlocks a great new source of online innovation', dated June 13th, 2013, with 9685 views. The text discusses the European Parliament's vote on new open data rules, highlighting the inclusion of cultural heritage data. A search bar and a 'TAGS' section are located on the right side of the page.

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European Commission

Blog of Neelie KROES
Vice-President of the European Commission

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

« [Previous post](#) | [Blog](#) | [Next post](#) »

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

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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.”

« Une nouvelle ère dans laquelle les gens peuvent utiliser des données ouvertes pour générer des idées et des services pour créer un monde meilleur pour tous »



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



Digital Data Challenges

Digital Data need active management and preservation

Les données numériques ont besoin de gestion active et de conservation

- Digital data are as fragile as the archaeological record we excavate

Les données numériques sont aussi fragiles que les données archéologiques que nous fouillons

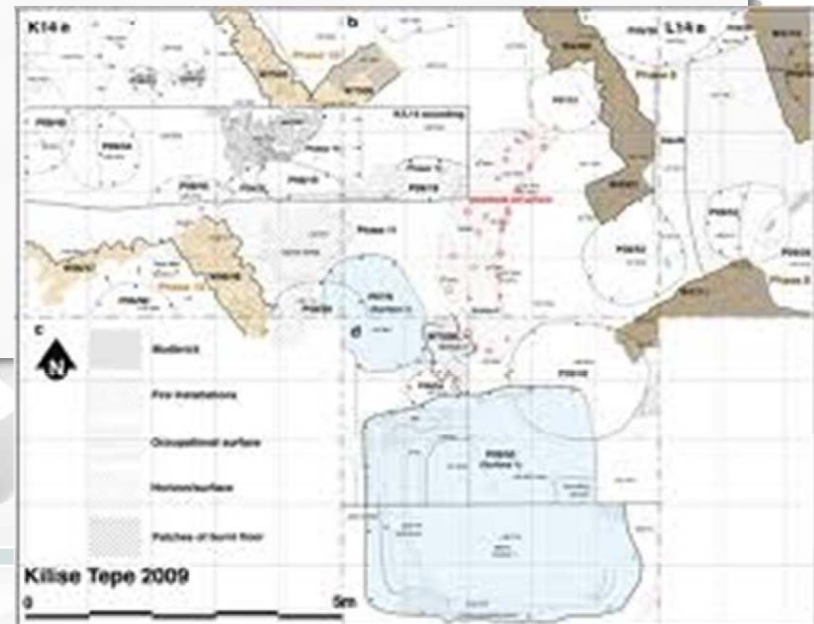
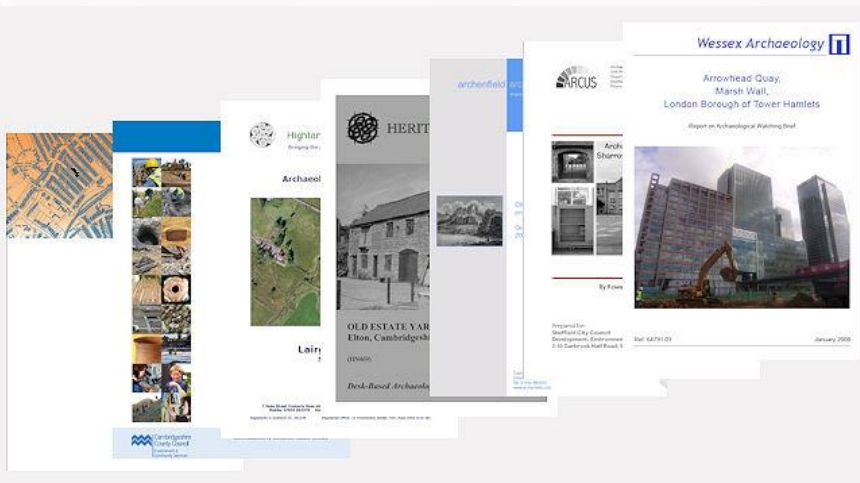
- They are still archived as objects rather than computerised information

Elle sont souvent encore archivées comme des objets plutôt que comme des données informatisées

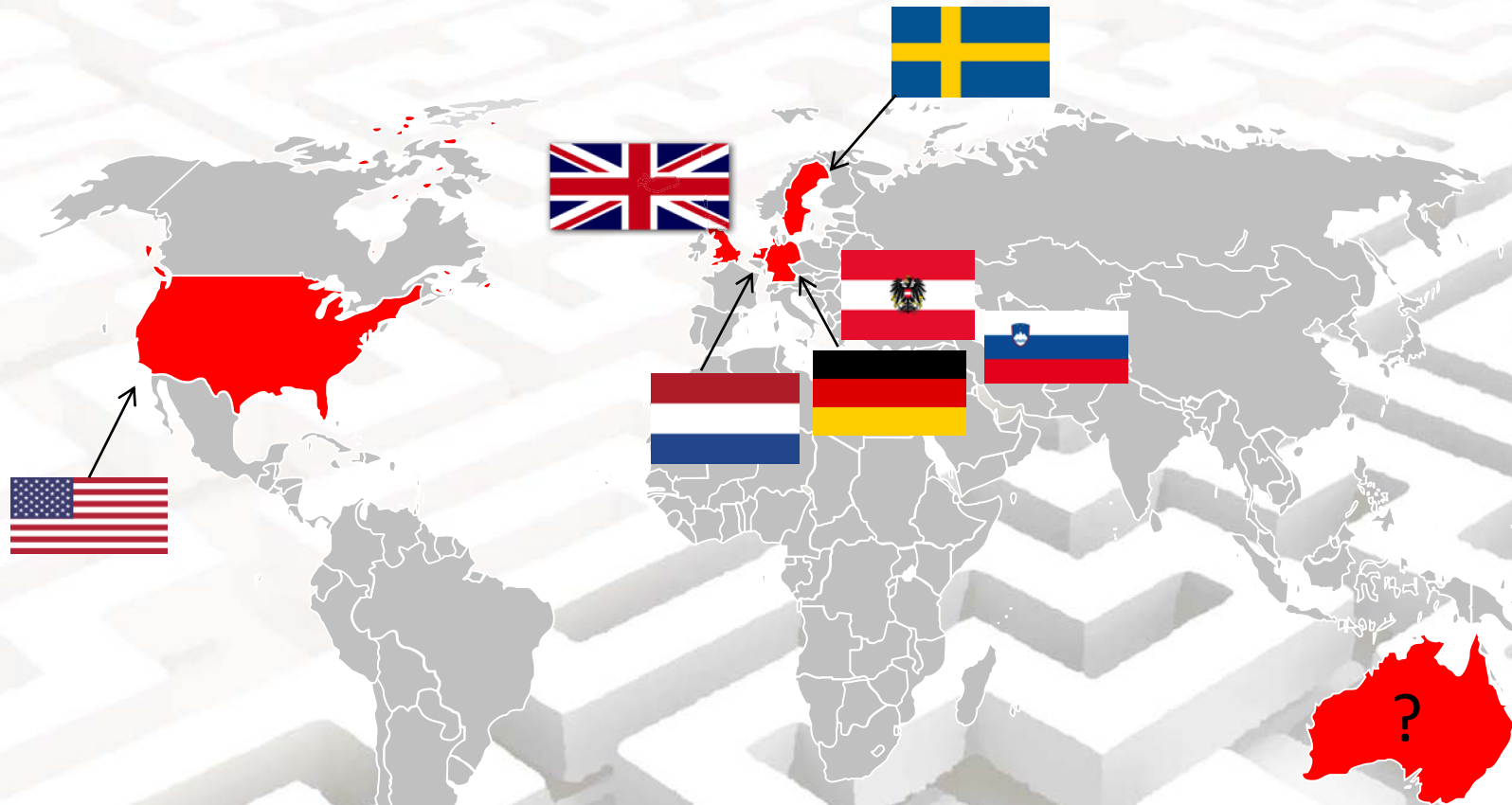


Open Data in Archaeology: current situation

- Published data are limited - *Les données publiées sont rares*
- Majority of data are recorded in grey literature - *La majorité des données sont enregistrées dans la littérature grise*
- Data are not easily searchable - *Les données ne sont pas facilement consultable*
- Access to data is difficult - *L'accès aux données est difficile*
- Lack of national repositories - *Manque de référentiels nationaux*



National Preservation Infrastructures



UK: Archaeology Data Service

- Set up in 1996
- Based within the University of York
- 14 staff
- Business model based upon charging policy: one-off charge at time of deposit
- Trusted Digital Repository: Data Seal of Approval
- Received Digital Preservation Coalition's Decennial Award in 2012
- 2016: 10Tb; 2,054,846 files; 18,505 recorded processes

The screenshot shows the homepage of the Archaeology Data Service (ADS). The header is red with the ADS logo and navigation links: HOME, ARCHSEARCH, ARCHIVES, LEARNING, ADVICE, OUR RESEARCH, BLOG, ABOUT US, and LOGIN. A search bar is located in the top right corner. Below the header, there are three main sections: 'EXPLORE', 'DISCOVER', and 'DEPOSIT'. The 'DEPOSIT' section is highlighted with a red box and contains the text: 'Supporting research, learning and teaching with free, high quality and dependable digital resources'. To the right of these sections is a 'Featured collection' section for the 'Clee Hills Project, Shropshire', featuring a landscape image. Below the featured collection, there are several news items with dates and titles, such as 'January 2013: The ADS' growing Grey Literature Library', 'January 2013: The Archaeological Journal of the Royal Archaeological Institute at ADS', 'December 2012: Scottish Archaeological Internet Reports at the ADS', and 'December 2012: ADS receives DPC Decennial Award'. At the bottom of the page, there are logos for the University of York, the Queen's Anniversary Prize (2009 & 2011), and the British Archaeological Association (BA) 2012. The footer contains the ADS logo, the University of York logo, and a link to the University of York's legal statements, ADS terms and conditions, and Cookies.

Open Access to primary data

An example: Eynsham Abbey archive 1999

ads ARCHAEOLOGY DATA SERVICE

HOME ARCHSEARCH ARCHIVES DEPOSIT LEARNING ADVICE RESEARCH ABOUT US BLOG LOGIN

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

Excavations at Eynsham Abbey 1989-92

Oxford Archaeology (South), 1999

Introduction
Between 1989 and 1992 the Oxford Archaeological Unit (OAU) undertook a full excavation of part of the precinct of the medieval abbey, revealing part of the cloister and south ranges, kitchens and domestic buildings. Evidence for earlier activity included the 11th century Anglo-Saxon abbey and earlier Minster, and a Bronze Age enclosure. The resulting digital archive is being preserved and made easily accessible through the Archaeology Data Service as part of the **Digital Archiving Pilot Project: Excavation Records (DAPPER)** project funded by English Heritage.

The downloadable archive contains text files, a database made available as comma delimited text, JPEG images, a 3D reconstruction of the medieval abbey available in DWG or DXF format (i.e. AutoCAD) and numbers of digitised drawings also available as DWG or DXF files. The image files have also been deposited in a preservation format. The TIF files are very large (c. 90MB each) and are not currently available for download.

Visit **Oxbow Books** website to see associated resource **Aelfric's Abbey: Excavations at Eynsham Abbey, Oxfordshire, 1989-1992** by A Hardy, A Dodd and G D Keevil.

Primary contact
Dr Anne Dodd
Oxford Archaeology (South)
Manus House
Jansley Mead
Oxford
OX2 0ES
UK
tel: 01865 263800
fax: 01865 793496

[Send e-mail enquiry](#)

Resource Identifiers
ADS Collection: 277
Collection doi: 10.5284/1000203
how to cite using this DOI

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

ads ARCHAEOLOGY DATA SERVICE

THE UNIVERSITY of York

ads ARCHAEOLOGY DATA SERVICE

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Excavations at Eynsham Abbey 1989-92

Oxford Archaeology (South), 1999

Downloads
Click on the underlined hypertext links to download or view components of the archive. Special software may be required in order to access some of the available data.

Delimited text files
The following comma delimited ASCII text files are suitable for importing into a database. Use your browser's 'save as' option to download.

architectural stone	TXT	7 Kb
context keywords - look-up table	TXT	1 Kb

powered by Highslide JS

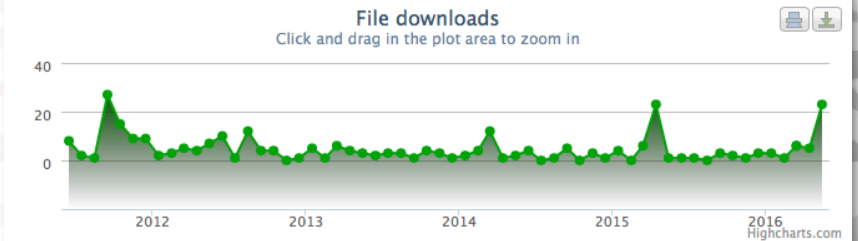
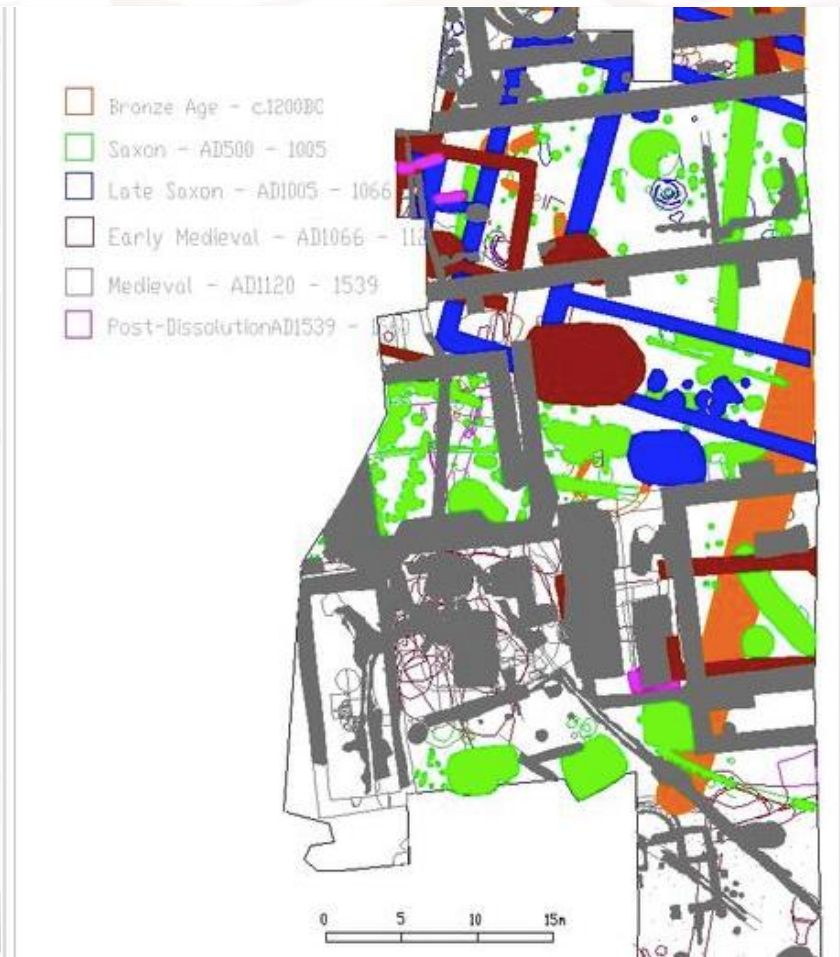
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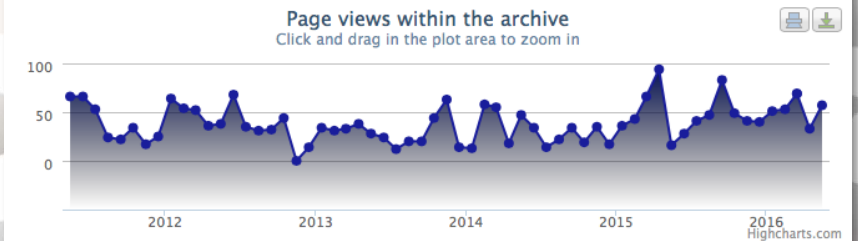
University of York legal statements | ADS terms of use and access

ads ARCHAEOLOGY DATA SERVICE

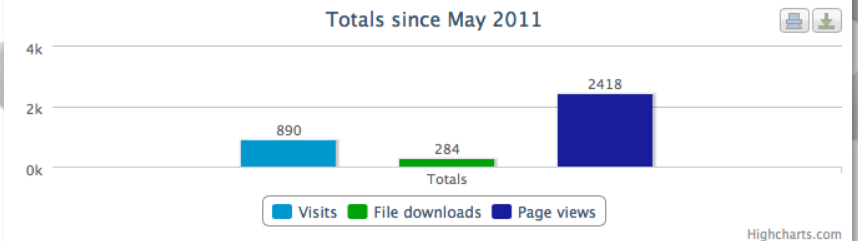
Access statistics




A download is a click on a link to something other than a web page, file extensions include: csv, doc, docx, gif, jar, jpg, jpeg, mp3, mp4, mov, odb, odt, pdf, png, ppt, pptx, txt, wav, wma, wmv, wpd, xls, xlsx, xml, zip but this is not an exhaustive list.



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.



Ipswich: 2015 – 36 excavations

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Ipswich 1974-1990 Excavation Archive

Suffolk County Council Archaeological Service, 2015

Introduction

Overview

Site List

Interactive Map


Query

Downloads

Metadata

Usage Statistics

Data copyright © Suffolk County Council Archaeological Service unless otherwise stated



ENGLISH HERITAGE

Primary contact

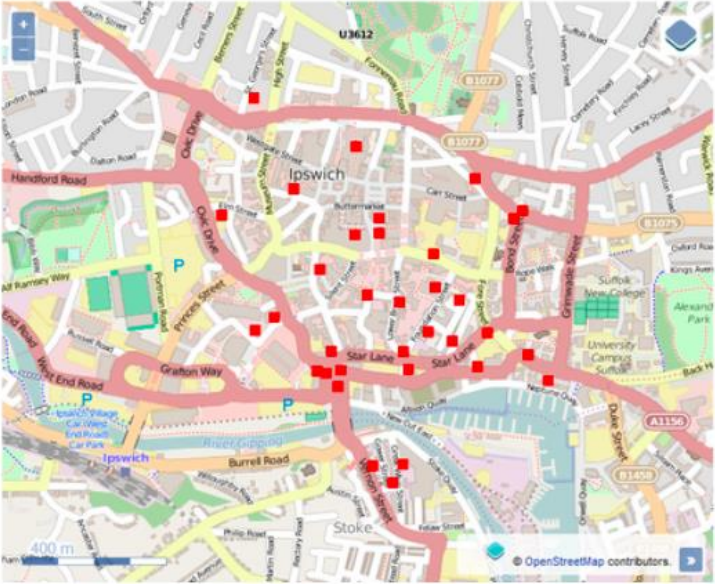
Suffolk County Council Archaeological Service
9-10 Churchyard
Bury St Edmunds

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 (Gippeswic).

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



Ipswich: GIS query of all excavation site plans

otherwise stated



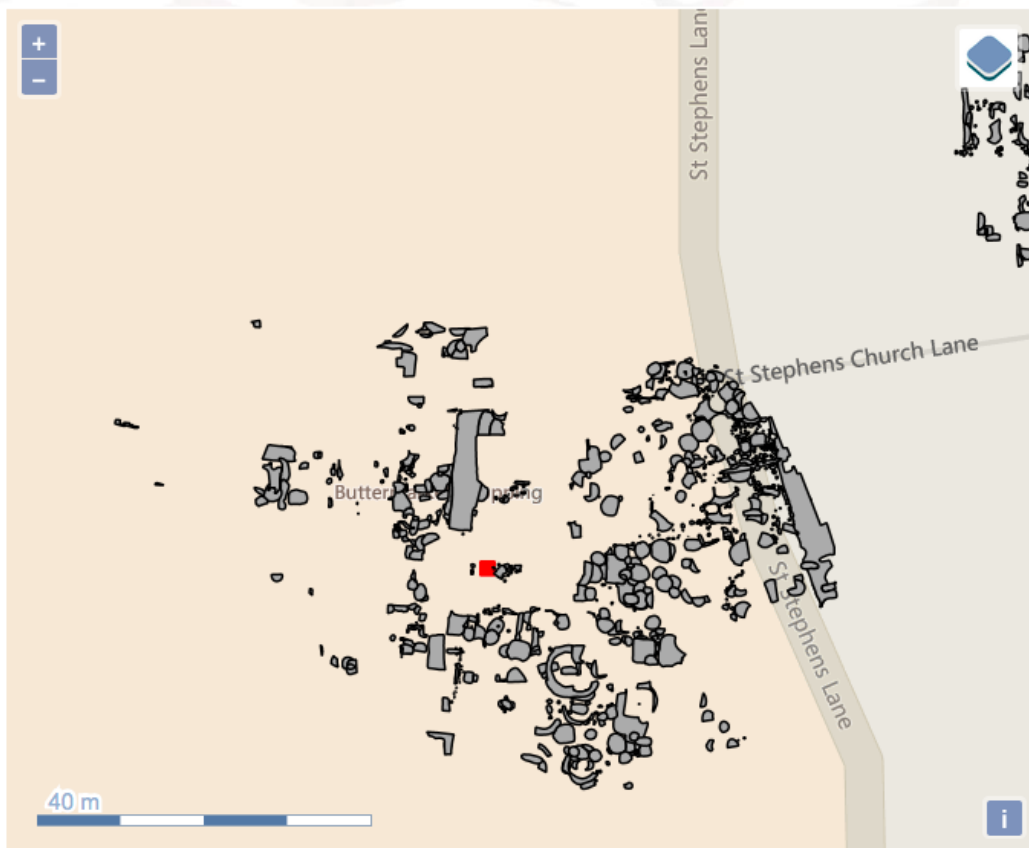
Primary contact

Suffolk County Council Archaeological Service
9-10 Churchyard
Bury St Edmunds
Ipswich
IP33 1RX

[Send e-mail enquiry](#)

Resource identifiers

ADS Collection: 1644
Collection doi:10.5284/1034376
How to cite using this DOI



The export to PNG feature requires a browser that supports the [link download](#) attribute.

Export PNG

- All Features
- Select Features:
 - Beam slot
 - Building
 - Burial

- Prehistoric
- Romano-British
- Saxon (c.600-1000)
- Early Middle Saxon (c.600-700)
- Middle Saxon (c.700-850)
- Early Late Saxon (c.850-900)

Library of Unpublished Fieldwork Reports

Introduction

[Browse by contractor](#)
[Contractors A-Z](#)
[Search reports](#)



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YO1 7EP
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Tel: 01904 433954
Fax: 01904 433939

[Send e-mail enquiry](#)

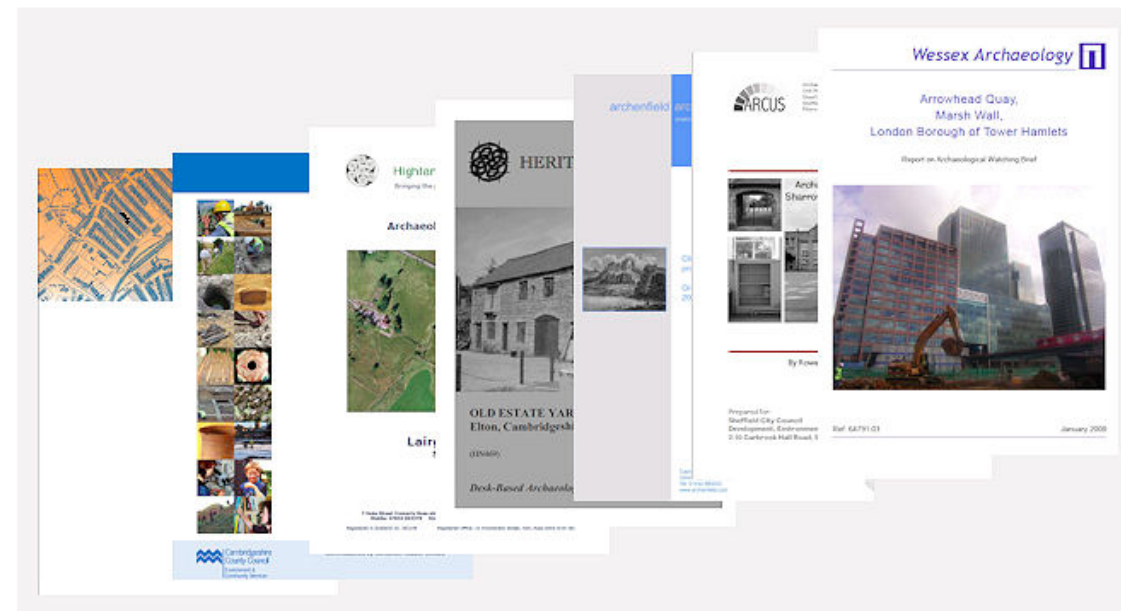
Resource identifiers

ADS Collection: 1093

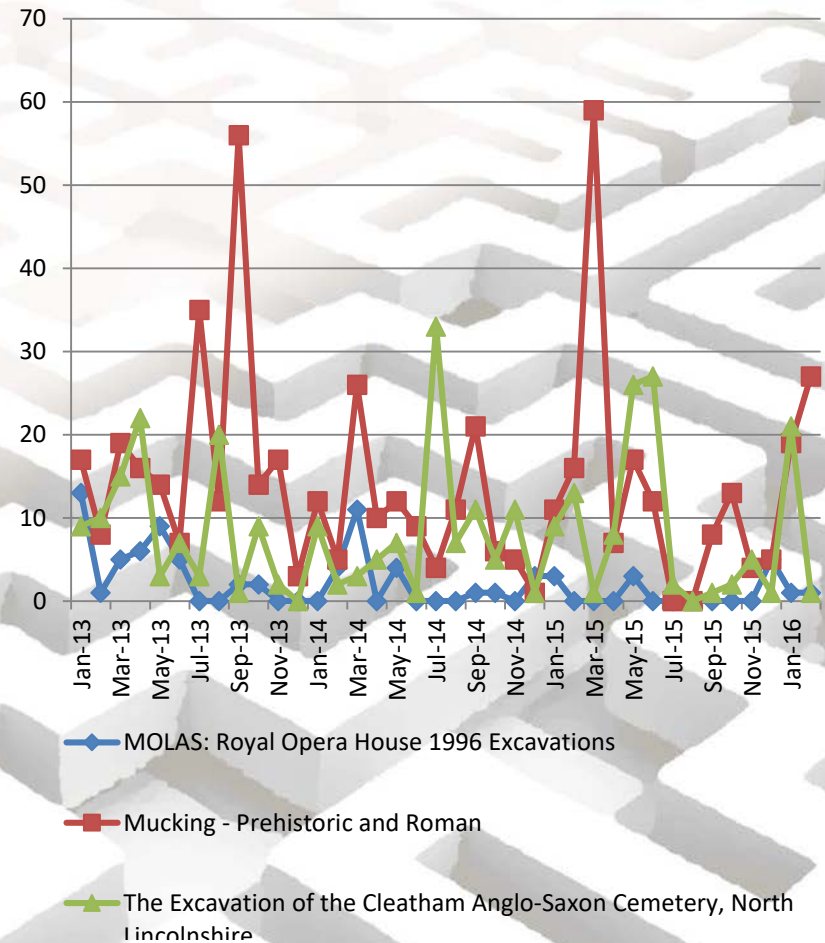
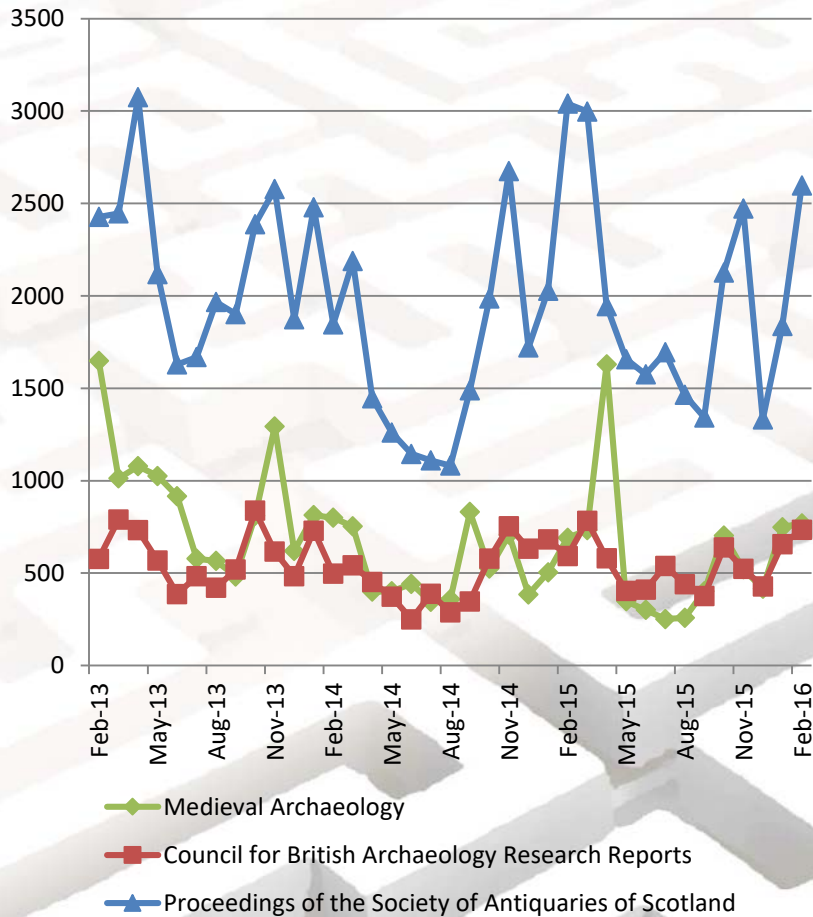
Introduction

The aim of this resource is to make available unpublished fieldwork reports in an easily retrievable fashion. There are **currently 36804 reports available** and this number is increasing steadily through the OASIS project in England and Scotland.

Through this resource it is possible to list the reports by contractor, using the [browse by contractor](#) option and also to do a more advanced search filtering these reports by period, monument/artefact type and location using the [search](#) option. These unpublished reports cover archaeological interventions such as: watching briefs, excavation reports and building surveys. Desk-based assessments and specialist analysis are also included.



File downloads: journal papers vs data sets



Economic Impact of the ADS

Beagrie/Houghton 2014:

- Investment value £1.2m pa
 - £698,000 pa funding from sponsors
 - £465,000 pa indirectly contributed by depositors
- Direct use value £1.4m pa
- But efficiency impacts £13m-£58m per annum
- Research efficiency gains = 7 hours per person per week
- **£1 investment provides up to £8.30 return**



**CENTRE FOR STRATEGIC
ECONOMIC STUDIES**



Shared Data Standards



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](#)



Netherlands: eDNA

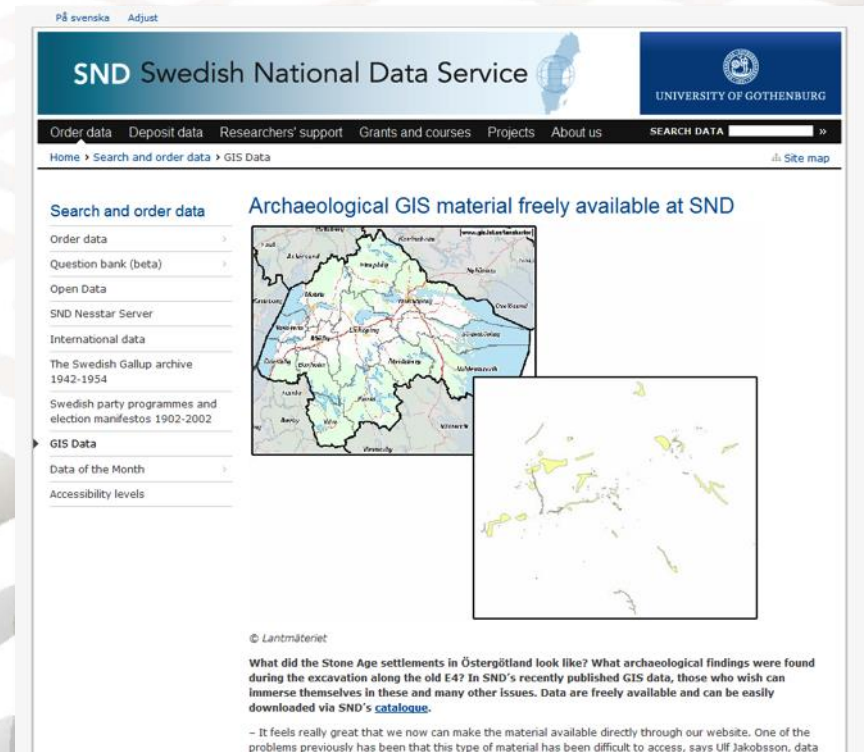
- 2004-6 pilot study – DANS & Leiden University
- 2007 eDNA
- 2 DANS members of staff, plus DANS infrastructure
- 2016 – 25,000 reports and 4,000 excavation archives



The screenshot shows the DANS website interface. At the top, it says "Data Archiving and Networked Services" and "DANS". Below that, there is a navigation menu with links: HOME, DATA ARCHIVE, E-RESEARCH, PROJECTS, SERVICES, SYMPOSIUM, PUBLICATIONS, NEWS ARCHIVE, CALENDAR, VACANCIES, ABOUT DANS, and CONTACT. The main content area is titled "EDNA - the e-depot for Dutch archaeology". It features a small image of an archaeological site and text explaining the service. The text states: "Digital archaeology requires a digital memory". That slogan was used in recent years to bring the care for digital data to the attention of Dutch archaeologists. EDNA offers access to thousands of archaeological datasets. The e-depot for Dutch archaeology (EDNA) is accommodated at DANS. The e-depot stores the digital files with research data of Dutch archaeologists. Maps, drawings, photographs, tables and publications are available via EASY, the online archiving system of DANS. The number of archived datasets is growing fast. At the end of the year 2011, more than 17.000 datasets were stored and daily new datasets are added. Archaeologists are aware of the necessity of a digital archive; an excavation can only be done once. The collected data has scientific value and is a unique source of information for further research. DANS takes care of this data by converting it to a sustainable archiving format and offers central access to this documentation. There are licence agreements and conditions of use on deposited data, taking care of copyrights and privacy-sensitive data. The files will be made available to other researchers under the conditions specified by the depositor. Agreements KNA and DANS. As of 2007, agreements to deposit archaeological data at DANS are formalised in the quality standard for Dutch archaeology (KNA). At the moment, the following task division exists between DANS and the Rijksdienst voor Cultureel Erfgoed (RCE). As of 2007, the reports are provided to the RCE as PDF documents and unlocked through Archis. The digital data files are deposited in the archiving system EASY at DANS. The e-depot will ensure durable archiving and unlocking of all digital documentation of the archaeological research. Both the research descriptions and all data can be downloaded via the archiving system EASY. It notably concerns completed and published research results, of which the author(s) has (have) made the basic data accessible to other scientists. Documentation of excavations, regional surveys and material studies are unlocked. Project history and recent activities. On the project website of the e-depot Dutch archaeology, you will find all sorts of background information, for example about the pilot project and its results. The archived projects of this pilot have meanwhile been accommodated within EASY. Contact persons for the e-depot Dutch archaeology (EDNA). Drs Hella Hollander T 06 201 580 31 E hella.hollander@dans.knaw.nl Drs Valentijn Gilissen T 06 202 510 16 E valentijn.gilissen@dans.knaw.nl Searching archaeological data? Visit EASY. Questions regarding the deposit of a dataset? Please contact Hella Hollander or Valentijn Gilissen.


Sweden: SND & SNHB

- Swedish National Data Service, University of Gothenburg
- 2012 first archaeological archives, in collaboration with Uppsala University – GIS files, Östergötland
- Swedish Rock Art archives
- 2015 Swedish National Heritage Board – Digital Archive Project




The screenshot shows the website for the Swedish National Data Service (SND) at the University of Gothenburg. The page features a navigation menu with options like 'Order data', 'Deposit data', and 'Researchers' support'. A search bar is visible in the top right. The main content area is titled 'Archaeological GIS material freely available at SND' and includes a map of Östergötland with an inset showing a detailed view of archaeological findings. A sidebar on the left lists various data categories such as 'Order data', 'Question bank (beta)', and 'GIS Data'. At the bottom, there is a copyright notice for Lantmäteriet and a paragraph of text in Swedish discussing the availability of Stone Age settlement data.

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 

Search and order data Archaeological GIS material freely available at SND

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

© 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 – Established with Director and 3 digital archivists



The screenshot shows the homepage of the IANUS (Forschungsdatenzentrum Archäologie & Altertumswissenschaften) website. The header features the IANUS logo, a search bar, and navigation links for 'Ergebnisse', 'Projektübersicht', 'IT-Empfehlungen', 'Partner', 'News', and 'Über uns'. The main content area is titled 'IANUS - Forschungsdatenzentrum Archäologie & Altertumswissenschaften' and includes a 'Zur Projektübersicht' link. The text welcomes visitors and describes the project's goals, such as building a national research data center for archaeology and ancient studies in Germany. It mentions the project is funded by the DFG and coordinated by Prof. Dr. Friederike Fless and Prof. Dr. Ortwin Dally. A circular graphic composed of various digital and archaeological icons is positioned to the right of the main text. On the right side of the page, there are logos for 'Koordinierung' (Archaeological Institute Berlin), 'Förderung DFG', and 'Kooperationspartner' (OAS - Archaeology Data Service). A 'Datenschutz' (Data Protection) link is located in the bottom right corner.

Interoperability & Data Integration



Hansen, H.J., 1992
'European archaeological databases: problems and prospects', in J. Andresen *et al.* (eds) *Computing the Past. Computer Applications and Quantitative Methods in Archaeology*. Aarhus. 229-37.



English
Register Login

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Ariadne



About Ariadne

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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. 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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- Mar 4 2016 [CHNT-2016 Call for Papers, Posters & Apps open](#)
- Feb 29 2016 [Archaeological data management](#)

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- Nov 24 2016 [ICDH 2016](#)
- Nov 22 2016 [MTSR 2016](#)
- Nov 16 2016 [ARIADNE at CHNT-2016](#)

Tweets by @Ariadne_Network

- Ariadne_Network Retweeted
Julian D Richards
@Julian62523002
New ESFRI 2016 Roadmap launched in Amsterdam last week - Includes Heritage Science [e-rihs.eu](#), incorporating [@Ariadne_Network](#)
14 Mar
 - Ariadne_Network**
@Ariadne_Network
FORTMED 2016 Call for abstracts deadline 15th March [ariadne-infrastructure.eu/Events/FORTMED...](#)
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What is ARIADNE?

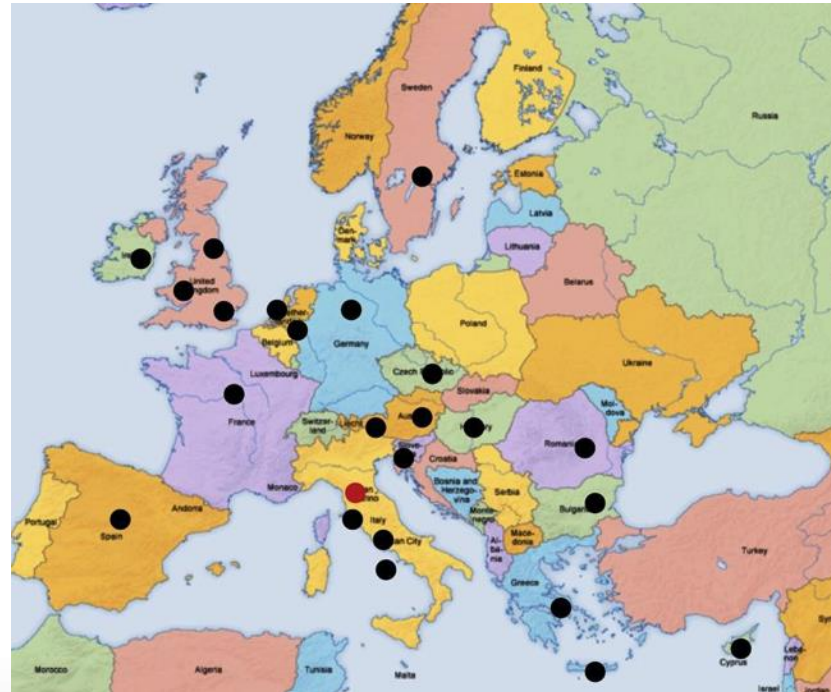
A project to integrate existing archaeological data infrastructures across Europe, so researchers can use the various distributed datasets and new technologies to explore new research methodologies

Un projet visant à associer et intégrer les infrastructures de données archéologiques à travers l'Europe, afin que les chercheurs puissent utiliser ces divers ensembles de données ainsi que des nouvelles technologies pour explorer de nouvelles méthodes de recherche



ARIADNE Community

- 24 partners in 18 European countries
- Coordinators
 - Prof. Franco Niccolucci, University of Florence
 - Prof. Julian Richards, University of York
- Website: www.ariadne-infrastructure.eu
- Funding: 6.5m Euros
- 15 associate partners
- Open to others
- Community building
 - Transnational access
 - Training events
 - Special interest groups



ARIADNE activities

- User needs survey
 - 700 respondents
- Transnational access and training schools
 - 90 trainees
- Data standards and good practice
- Linked data experiments
- ARIADNE Services
- ARIADNE portal:
<http://portal.ariadne-infrastructure.eu>



ARIADNE

All fields ▾

Search for resources in the Ariadne catalog ...



Welcome

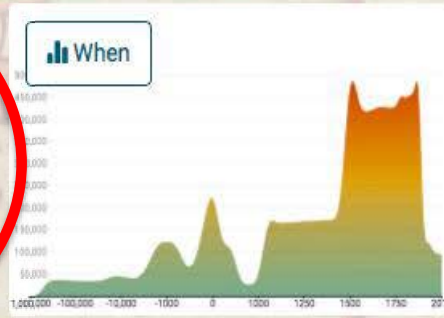
ARIADNE brings together and integrates existing archaeological research data infrastructures so that researchers can use the various distributed datasets and new and powerful technologies as an integral component of the archaeological research methodology.

Browse the Catalog

Where



When



What





Start a new search...



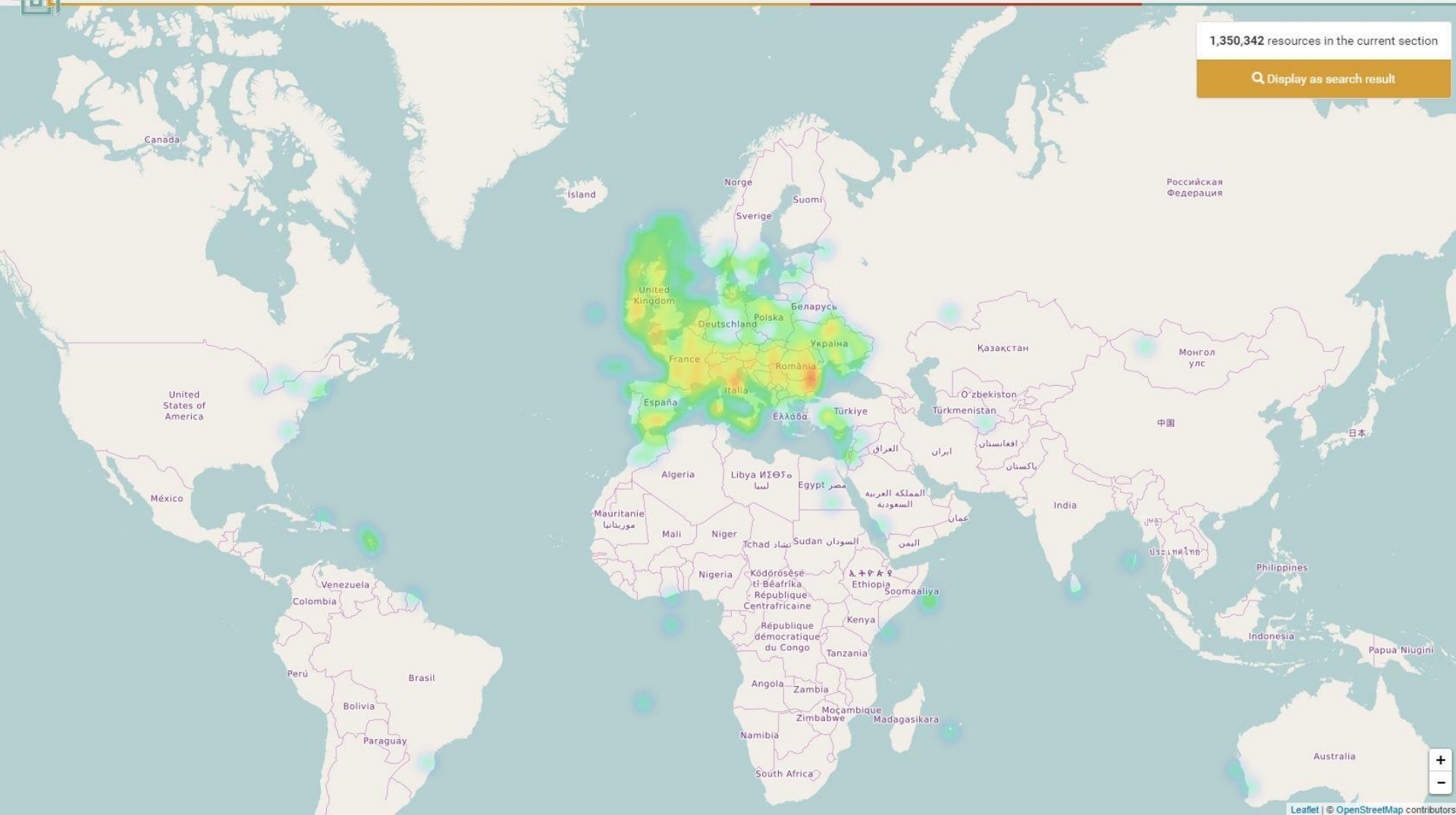
Catalog

Services

About

1,350,342 resources in the current section

Display as search result





Start a new search...



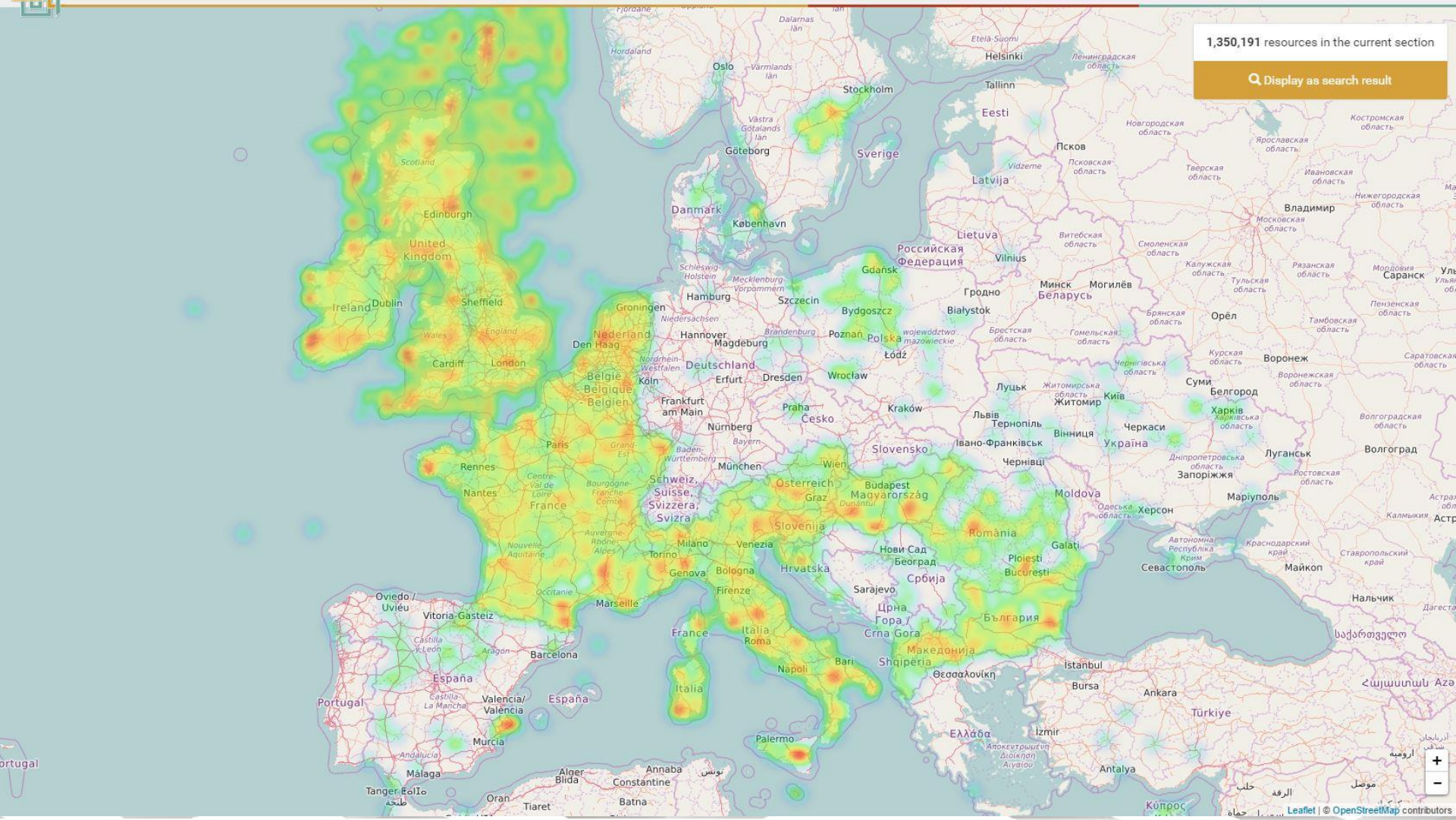
Catalog

Services

About

1,350,191 resources in the current section

Display as search result





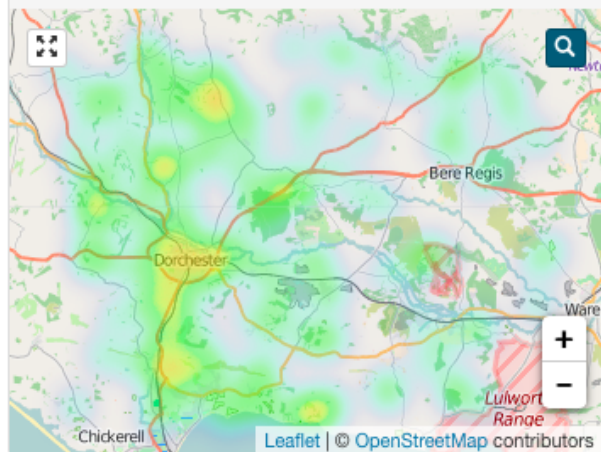
Current search

*

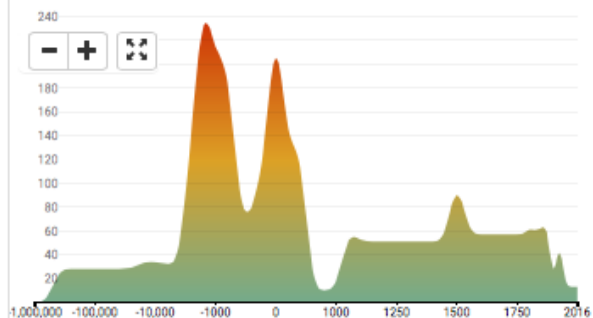


Filters

Where



When



Total results: 529

« 1 2 3 4 5 »

Order By Score



WINFRITH



Type: Sites and monuments databases or inventories Publisher: Archaeology Data Service



CHURCH OF ST NICHOLAS



Type: Sites and monuments databases or inventories Publisher: Archaeology Data Service

Two evaluation trenches were excavated in advance of proposed works, recording parts of five burials of probable 15th-16th century date.



MANOR DRIVE, WEST STAFFORD



Type: Sites and monuments databases or inventories Publisher: Archaeology Data Service

Monitoring of the erection of two cottages; negative results



LAND SOUTH WEST OF POUNDBURY FARM



Type: Sites and monuments databases or inventories Publisher: Archaeology Data Service



Royal Observer Corps Monitoring Post



Type: Sites and monuments databases or inventories Publisher: Archaeology Data Service

Condition: Destroyed



Royal Observer Corps Monitoring Post



Type: Sites and monuments databases or inventories Publisher: Archaeology Data Service

Condition: Destroyed



Total results: 1

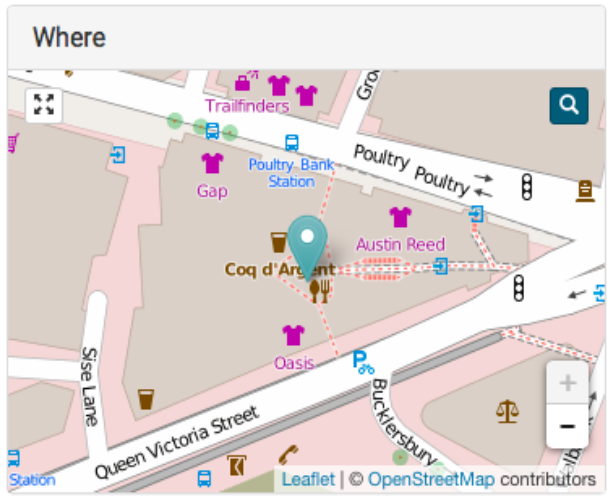
Order By Score

Current search

* [Search]

Filters

Resource type: Fieldwork archives



When [Timeline view with zoom controls]



Number 1 Poultry (ONE 94)



Type: Fieldwork archives Publisher: Archaeology Data Service

The site of 1 Poultry is located near the Bank of England, in the heart of the City of London. During the 1990s, one of the largest excavations in the City recovered a remarkable archaeological sequence from the 1st to the 20th century AD. This was augmented by findings from nearby sites a...



← Back to search results

Number 1 Poultry (ONE 94)



Access resource on the web

The site of 1 Poultry is located near the Bank of England, in the heart of the City of London. During the 1990s, one of the largest excavations in the City recovered a remarkable archaeological sequence from the 1st to the 20th century AD. This was augmented by findings from nearby sites at Bucklersbury, Lothbury, Lombard Street, 72-75 Cheapside, 76-80 Cheapside, 36-37 King Street and Mansion House. 1 Poultry lies immediately west of the point where the main east-west road through Roman London bridged the Walbrook stream and uncovered an unparalleled sequence of buildings, roads, and open spaces. A timber drain of AD 47 beneath the main road is the earliest, securely dated structure yet known from Londinium, and a pottery shop, destroyed in the Boudican revolt, gives a snapshot of life in AD 60/61. A 2nd-century AD writing tablet preserves the only evidence for the sale of a slave found in Britain to date, while the 3rd- and 4th-century AD buildings on the site provide a rare demonstration of the continuities and changes that occurred in Roman urban life.

Read more

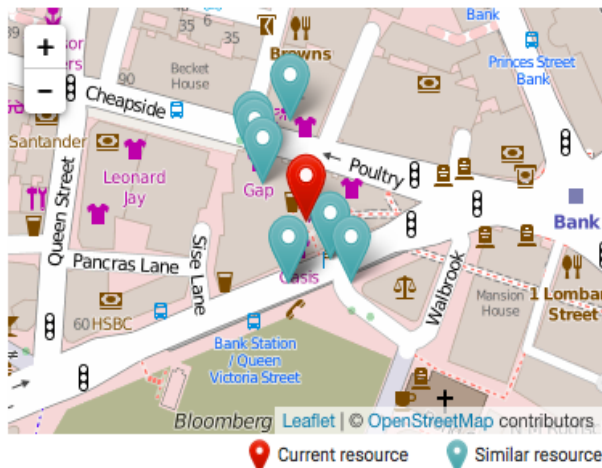
- Early Medieval
- Medieval
- Post Medieval
- Roman

World, Europe, United Kingdom, England, Greater London, London, City of London [7011798]

Metadata

ARIADNE ID	19138479
Original ID	1297
Language	English
Resource type	Fieldwork archives
Dating	Early Medieval Medieval Post Medieval Roman
Place	World, Europe, United Kingdom, England, Greater London, London, City of London [7011798] [-0.0907642, 51.51328]
Type	Collection
Publisher	Archaeology Data Service [Organization]

Geographically similar



Thematically similar

- Maltings Lane, Witham, Essex Archaeological Excavation
- The evolution of Rome's maritime facade: archaeology and geomorphology at Castelporziano
- Framework Archaeology Heathrow Terminal 5 Excavation Archive
- Mill Close, Grantham, Lincolnshire. Archaeological Watching Brief
- Mersham ARC MSH 98
- Archaeological and cultural heritage investigations on the site of the London 2012 Olympic and Paralympic Games

Number 1 Poultry (ONE 94)

Museum of London Archaeology, 2013

[Introduction](#)

[Overview](#)

[Downloads](#)

[Metadata](#)

[Usage Statistics](#)

Data copyright © Museum of London
Archaeology unless otherwise stated



ENGLISH HERITAGE

Primary contact

Julian Hill
Post-Excavation Project Manager
Museum of London Archaeology
Mortimer Wheeler House
46 Eagle Wharf Road
London
N1 7ED
UK

Introduction

The site of 1 Poultry is located near the Bank of England, in the heart of the City of London. During the 1990s, one of the largest excavations in the City recovered a remarkable archaeological sequence from the 1st to the 20th century AD. This was augmented by findings from nearby sites at Bucklersbury, Lothbury, Lombard Street, 72-75 Cheapside, 76-80 Cheapside, 36-37 King Street and Mansion House.

1 Poultry lies immediately west of the point where the main east-west road through Roman London bridged the Walbrook stream and uncovered an

unparalleled sequence of buildings, roads, and open spaces. A timber drain of AD 47 beneath the main road is the earliest, securely dated structure yet known from Londinium, and a pottery shop, destroyed in the Boudican revolt, gives a snapshot of life in AD 60/61. A 2nd-century AD writing tablet preserves the only evidence for the sale of a slave found in Britain to date, while the 3rd- and 4th-century AD buildings on the site provide a rare demonstration of the continuities and changes that occurred in Roman urban life.

Poultry occupied a prominent position at the eastern end of Cheapside, the city's principal medieval market street; integrating documentary evidence with the archaeological record has provided an outstandingly detailed account of this area. Reoccupation of the site in the later 10th century AD began with the construction of scattered sunken-floored buildings; a more regular pattern of settlement, characterised by narrow-fronted timber buildings along the roadsides, had developed by the early 11th century. Occupation became progressively denser up to the 13th century, when large stone-built houses began to be constructed in previously open areas behind the street frontages. Metalworking evidence from the excavated buildings indicates early economic activity, corresponding with later documentary evidence for smiths, ironmongers and other metalworkers in the area. The Great Conduit, the City's first piped water supply, was established in



Number 1 Poultry (ONE 94)

Museum of London Archaeology, 2013

[Introduction](#)
[Overview](#)
[Downloads](#)
[Metadata](#)
[Usage Statistics](#)

Data copyright © Museum of London Archaeology unless otherwise stated



ENGLISH HERITAGE

Primary contact

Julian Hill
 Post-Excavation Project Manager
 Museum of London Archaeology
 Mortimer Wheeler House
 46 Eagle Wharf Road
 London
 N1 7ED

Downloads

The downloads are split into separate sections for each site (see [overview](#) for details). Please note that each site has separate file metadata, however conventions and codes for CAD and spreadsheet files are common to all sites and are presented as overarching metadata below. The concordance document gives further details of the relationships between ONE94 and the satellite sites.

Concordance document	PDF	623 Kb
MoLA CAD layer conventions	PDF	78 Kb
Spreadsheet conventions	CSV	40 Kb

[ONE94](#) | [BOL94](#) | [BUC87](#) | [CID90](#) | [DOC87](#) | [LOM88](#) | [BRD88](#) | [KNG85](#) | [LHY88](#) | [SON85](#) | [MHO92](#) | [PLY87](#)

ONE 94 (1 Poultry)

File Metadata ONE94	TXT	11 Kb
---------------------	---------------------	-------

Spreadsheet files

ONE94 abonedata01	CSV	1.25 Mb
ONE94 anbntab07	CSV	1.29 Mb
ONE94 anbntab08	CSV	39 Kb
ONE94 anbntab09	CSV	852 Kb
ONE94 anbntab10	CSV	874 Kb
ONE94 biblio01	CSV	6 Kb
ONE94 bmdata01	CSV	213 Kb
ONE94 botdata01	CSV	49 Kb
ONE94 botrentab02	CSV	13 Kb

ARIADNE

All fields ▾

Search for resources in the Ariadne catalog ...



Welcome

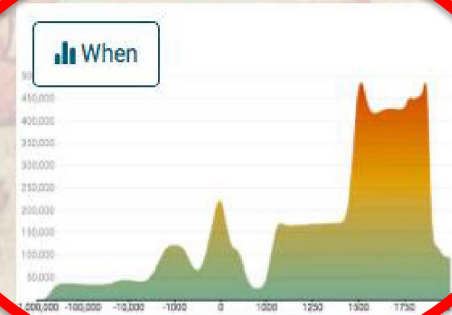
ARIADNE brings together and integrates existing archaeological research data infrastructures so that researchers can use the various distributed datasets and new and powerful technologies as an integral component of the archaeological research methodology.

Browse the Catalog

Where



When



What





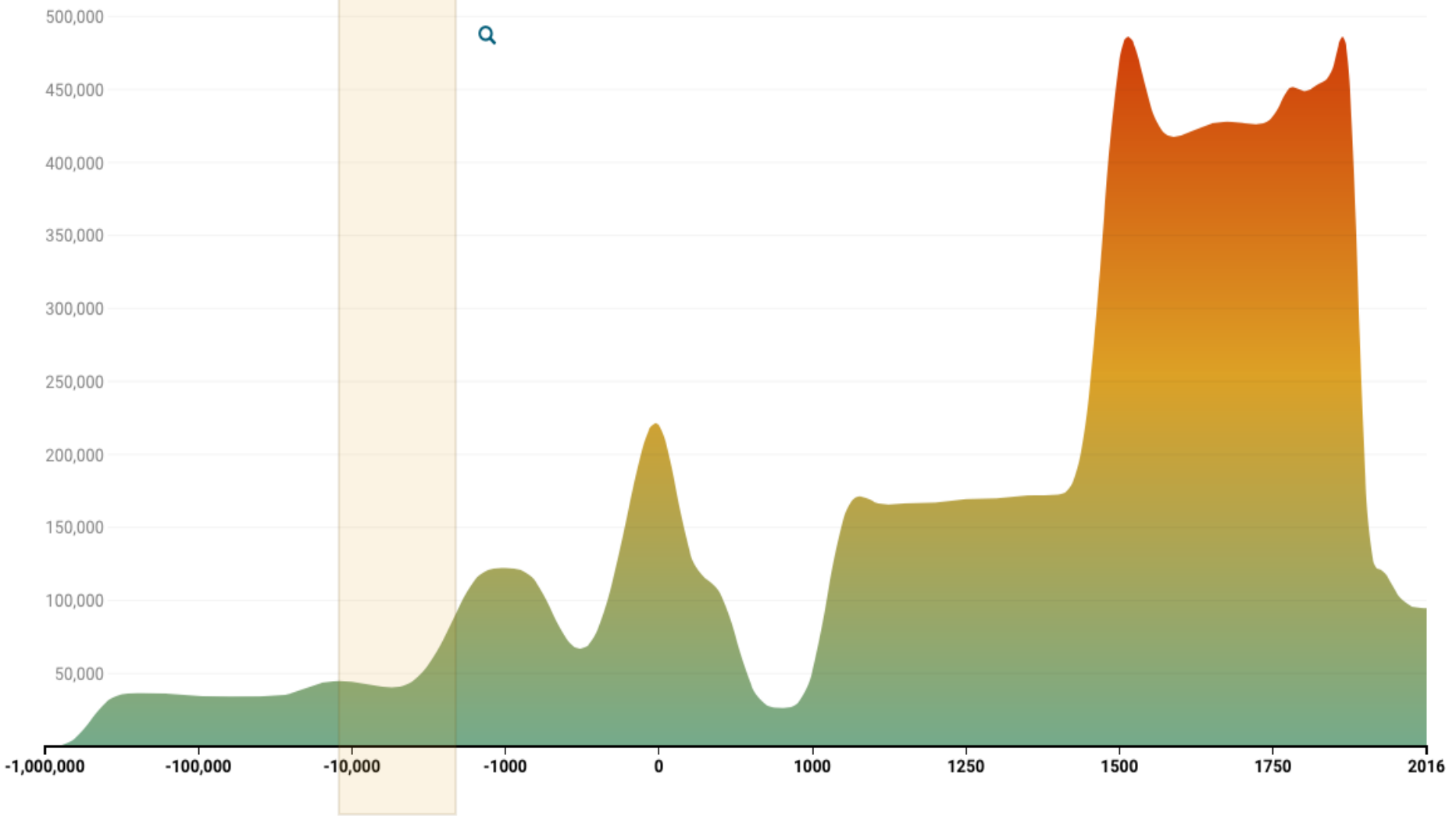
Start a new search...



Catalog

Services

About





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!

Working with PeriodO

PeriodO Current backend: Canonical [switch] [Sign in](#) [Menu](#)

Browse by: [Period](#) [Collection](#)

Periods

Viewing 1 - 8 of 8

Show periods at a time.

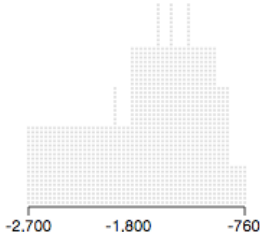
[Previous](#) [1](#) [Next](#)

▲ Label	Earliest start	Latest stop
bronasta doba	-1750	-751
bronzkor	-2700	-901
kora bronzkor	-2700	-1901
késő bronzkor	-1400	-901
középső bronzkor	-1900	-1401
mlajša bronasta doba	-1250	-1001
srednja bronasta doba	-1500	-1251
starejša bronasta doba	-1750	-1501

[Previous](#) [1](#) [Next](#)

Filters

Time range



Hide outliers?

Text

Match string

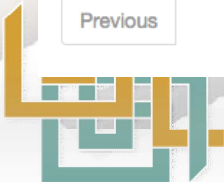
Source

[Reset](#)

Selected

8 [ARIADNE Consortium. ARIADNE Data Collection. 2015.](#)

1 [AIAC and L - P : Archaeology. FASTI - Home. 2004.](#)



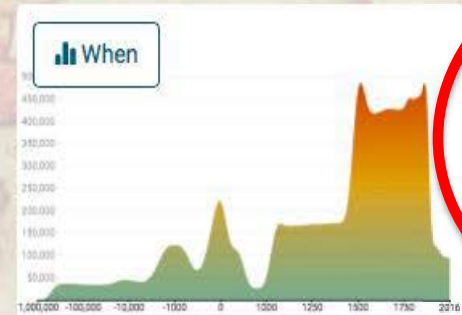
ARIADNE

All fields ▾ Search for resources in the Ariadne catalog ... 🔍

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



A red circle highlights a collection of archaeological terms and filters. The terms include: 'What' (with a list icon), 'Construction', 'COIN', 'PIT HOUSE FIND', 'RESIDENTIAL' (with 'AXE' to its right), 'FINDSPOT' (with 'Evaluation Earthwork' to its right), and 'ENCLOSURE SITE' (with 'BRAM' to its right).



Mapping to the Getty Art & Architecture Thesaurus (AAT)



All fields ▾

broo



penannular brooches / penannular brooches / brooches, penannular / penannular brooch ⓘ
ring brooches / ring brooches / brooches, annular / brooch, annular / ring brooch/ ... ⓘ
brooches / brooches / breastpins / broaches / brooch ⓘ

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.




Mapping to the AAT



Start a new search...



 Catalog

ring brooches

Getty AAT ID 300263352

Note Brooches in the shape of a ring, with a movable pin that may extend beyond the diameter of the ring; usually of metal and often ornamented. Used to fasten costume and worn especially during the Medieval period in Europe.

URI <http://vocab.getty.edu/aat/300263352>

Broader  brooches

Terms

English	ring brooches	brooches, annular	brooch, annular	ring brooch	annular brooches	annular brooch	brooches, ring	ring-brooch
	brooch, ring	ring-brooches						
Spanish	broches	ring brooch	broche					
Dutch	ringbroches	ringbroche						

Provider mapping

ANNULAR BROOCH

Match URI <http://www.w3.org/2004/02/skos/core#exactMatch>

Source URI http://purl.org/heritagedata/schemes/mda_obj/concepts/97114



Mapping to the AAT

The screenshot shows a search interface with a search bar at the top containing the text "Start a new search...". Below the search bar, there are navigation links for "Catalog", "Services", and "About". The current search is displayed as "ARIADNE subject: ring brooches" in a dark blue box. Below this, there is a search bar with a magnifying glass icon. On the left side, there are filter sections for "Where" and "When". The "Where" filter shows a map of the Norwich area with several locations marked. The "When" filter has a search bar with a magnifying glass icon. On the right side, there are search results. The total number of results is 5. The results are ordered by Title. The first result is "An Archaeological Evaluation at 98-100 Bull Close Road, Norwich, Norfolk", published by Archaeology Data Service. The second result is "Archaeological Excavation Report: Norwich Road and Exeter Crescent Road alignment, RAF Lakenheath ERL 161", published by Archaeology Data Service. The third result is "Report on a Second Phase of Archaeological Evaluation at Land adjoining Swanton Morley Airfield, Beetley, Norfolk", published by Archaeology Data Service. The fourth result is "The Mucking Anglo-Saxon cemeteries", published by Archaeology Data Service.

Start a new search...

Catalog Services About

Current search

ARIADNE subject: ring brooches

* [Search]

Filters

Where

When

Total results: 5 Order By Title

An Archaeological Evaluation at 98-100 Bull Close Road, Norwich, Norfolk
Type: Sites and monuments databases or inventories Publisher: Archaeology Data Service
An Archaeological Evaluation at 98-100 Bull Close Road, Norwich, Norfolk

Archaeological Excavation Report: Norwich Road and Exeter Crescent Road alignment, RAF Lakenheath ERL 161
Type: Sites and monuments databases or inventories Publisher: Archaeology Data Service
Archaeological Excavation Report: Norwich Road and Exeter Crescent Road alignment, RAF Lakenheath ERL 161

Report on a Second Phase of Archaeological Evaluation at Land adjoining Swanton Morley Airfield, Beetley, Norfolk
Type: Sites and monuments databases or inventories Publisher: Archaeology Data Service
Report on a Second Phase of Archaeological Evaluation at Land adjoining Swanton Morley Airfield, Beetley, Norfolk

The Mucking Anglo-Saxon cemeteries
Type: Fieldwork archives Publisher: Archaeology Data Service
The Anglo-Saxon cemeteries at Mucking, Essex, represent the burials of over 800 individuals from the 5th to early 7th centuries AD. The mixed rite Cemetery II is one of the largest and most complete Anglo-Saxon cemeteries yet excavated (282 inhumations, 463 cremation burials), while the pa...

Mapping to the AAT




[← Back to search results](#)

Report on a Second Phase of Archaeological Evaluation at Land adjoining Swanton Morley Airfield, Beetley, Norfolk



[Access resource on the web](#)

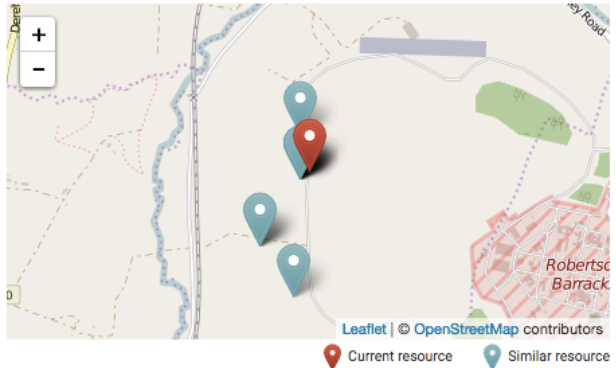
Report on a Second Phase of Archaeological Evaluation at Land adjoining Swanton Morley Airfield, Beetley, Norfolk

- ring brooches 
- necklaces 
- crematoria 
- Swanton Morley Airfield, Beetley, Norfolk

Resource is part of

ArchSearch: ADS catalogue




Geographically similar



Thematically similar

 Report on a Second Phase of Archaeological Evaluation at Land adjoining Swanton Morley Airfield, Beetley, Norfolk

Metadata

ARIADNE ID	14672180
Original ID	1942829
Language	English
Resource type	Sites and monuments databases or inventories
Subject	ring brooches  necklaces  crematoria 
Dating	410 – 1066
Place	Swanton Morley Airfield, Beetley, Norfolk, ENGLAND [0.954953, 52.729908]
Type	Dataset
Publisher	Archaeology Data Service [Organization]
Issued	2011-10-11T00:00:00.0
Modified	2011-10-11T00:00:00.0

Responsible persons and organisations



ESFRI (European Strategy Forum on Research Infrastructures)

- DARIAH
- Roadmap 2016: Addition of Heritage Science



Pays européens

En mars 2015, 11 pays ont indiqué leur volonté de soutenir le projet E-RIHS.eu.

1. Allemagne
2. Belgique
3. Espagne
4. France
5. Grèce
6. Hongrie
7. Italie
8. Pays-Bas
9. Portugal
10. République tchèque
11. Royaume-Uni



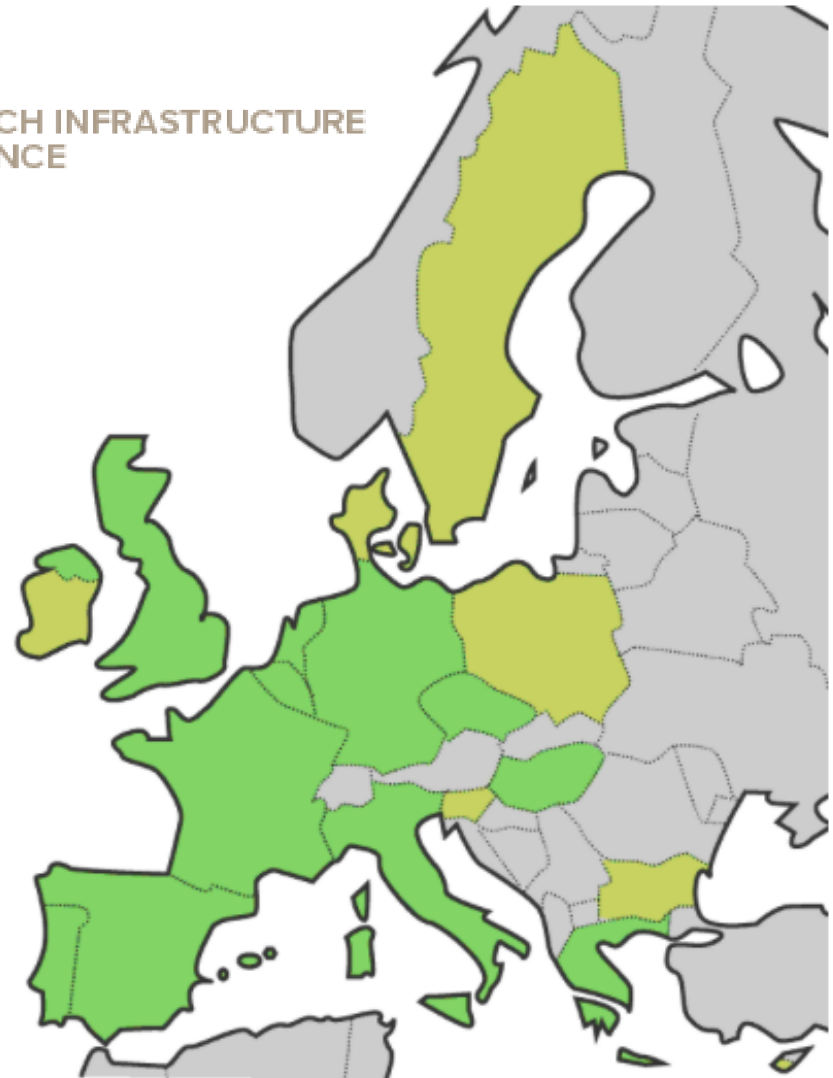
E-RIHS

EUROPEAN RESEARCH INFRASTRUCTURE
FOR HERITAGE SCIENCE

Des institutions de ces différents pays seront partenaires dans le cadre de la réponse à l'appel à projet INFRADEV-02-2016 : *Preparatory Phase of ESFRI projects.*

Neuf autres pays se sont déclarés intéressés.

1. Brésil
2. Bulgarie
3. Chypre
4. Danemark
5. Irlande
6. Israël
7. Pologne
8. Slovénie
9. Suède



Conclusions

- Digital data preservation has a cost – but data collection / data loss is more expensive
- *La conservation des données numériques a un coût - mais la collecte et la perte de données sont bien plus chères*
- Digital data are re-used – and studies show there is both a research and economic value and benefit to preservation
- *Les données numériques sont réutilisées - et des études montrent que la préservation des données bénéficie à la recherche et a une valeur ajoutée économique*
- Current growth in national infrastructure
- *Il y a un nombre croissant d'infrastructures nationales*
- But there is also a need to work at European level
- *Mais il y a aussi un besoin de travailler au niveau européen*
- Importance of data standards and vocabulary mappings work
- *Importance des normes de données et de la mise en concordance des vocabulaires*



Digital preservation and access in a European perspective: Introducing ARIADNE

*Préservation numérique et accès aux données
dans une perspective européenne:
Introduction à ARIADNE*

Julian Richards

Director, Archaeology Data Service, University of York, UK

Federico Nurra

Service Activités Internationales, DST, Inrap, FR

Pourquoi l'Inrap?



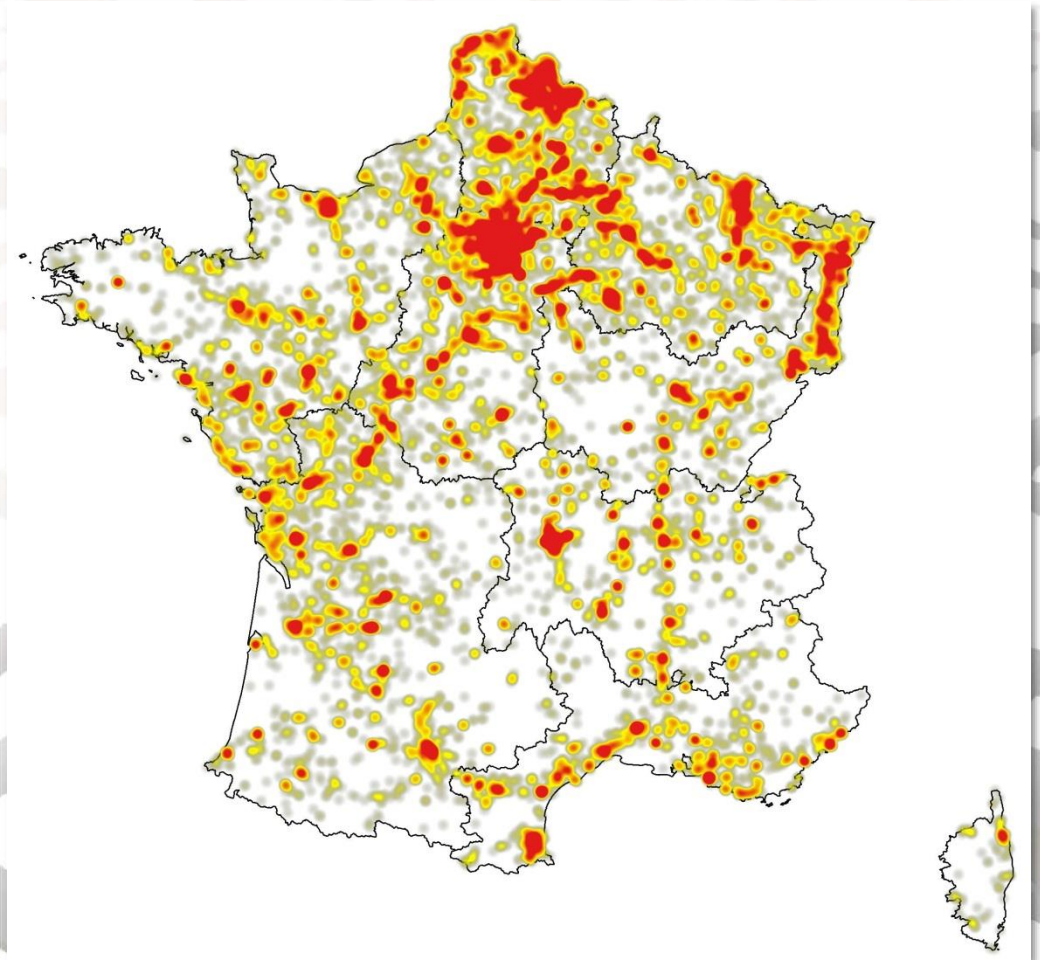
© Hervé Paitier, Inrap

© Hervé Paitier, Inrap

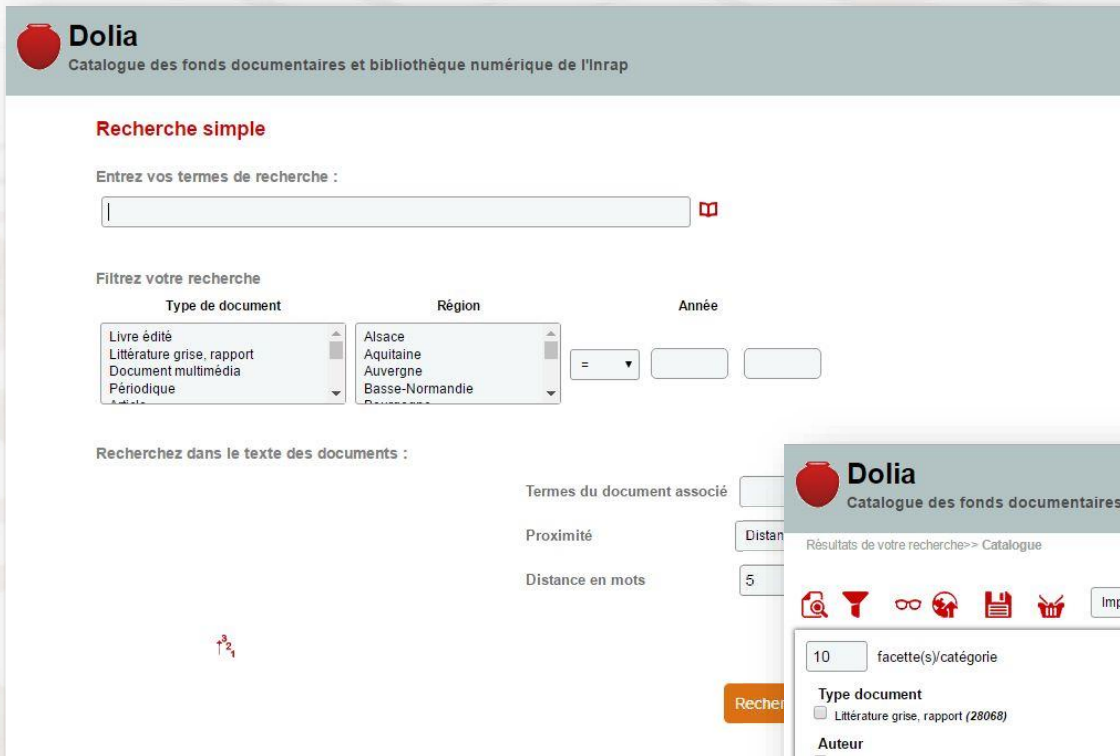


L'Inrap en chiffres:

- ~ 50 bases territoriales
- ~ 1800 archéologues
- ~ 2000 diagnostics/an
- ~ 300 fouilles/an
- 15 ans d'expérience



Point de départ



Dolia
Catalogue des fonds documentaires et bibliothèque numérique de l'Inrap

Recherche simple

Entrez vos termes de recherche :

Filtrez votre recherche

Type de document: Livre édité, Littérature grise, rapport, Document multimédia, Périodique

Région: Alsace, Aquitaine, Auvergne, Basse-Normandie

Année: =

Recherchez dans le texte des documents :

Termes du document associé

Proximité

Distance en mots: 5

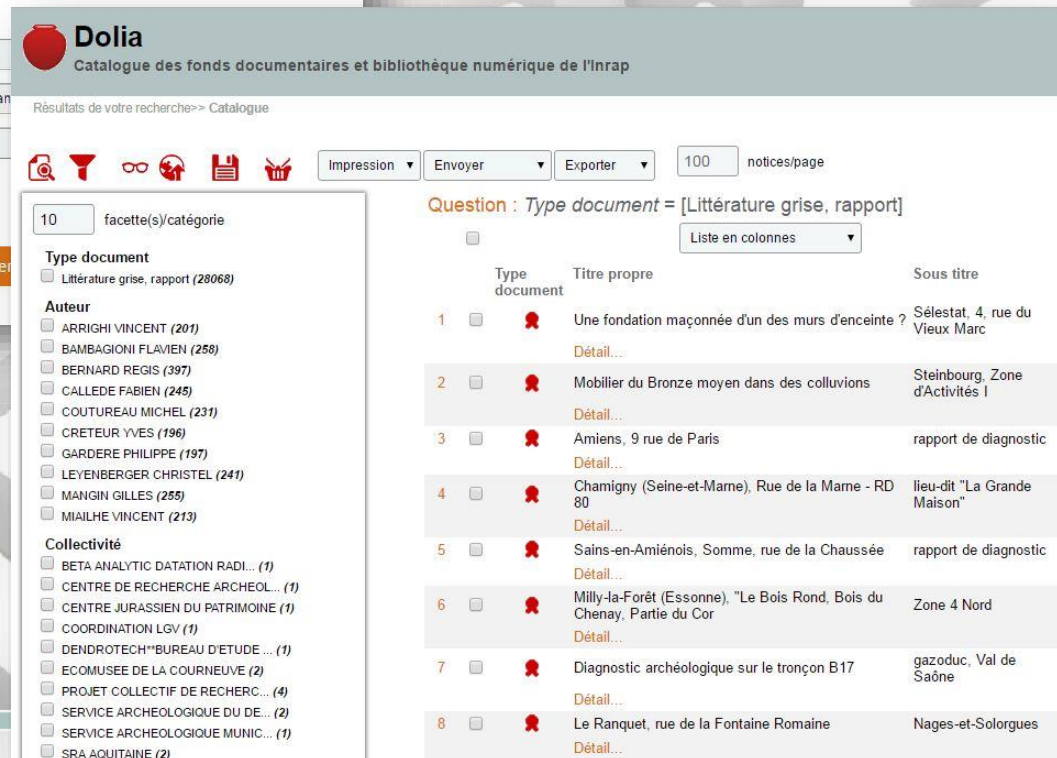
Recher

Dolia:

- Catalogue des fonds documentaires et bibliothèque numérique de l'Inrap

Dolia:

- ~ 28.000 rapports



Dolia
Catalogue des fonds documentaires et bibliothèque numérique de l'Inrap

Résultats de votre recherche >>> Catalogue

10 notices/page

Question : Type document = [Littérature grise, rapport]

Liste en colonnes

Type document	Titre propre	Sous titre
1	Une fondation maçonnée d'un des murs d'enceinte ?	Sélestat, 4. rue du Vieux Marc
2	Mobilier du Bronze moyen dans des colluvions	Steinbourg, Zone d'Activités I
3	Amiens, 9 rue de Paris	rapport de diagnostic
4	Chamigny (Seine-et-Marne), Rue de la Marne - RD 80	lieu-dit "La Grande Maison"
5	Sains-en-Amiénois, Somme, rue de la Chaussée	rapport de diagnostic
6	Milly-la-Forêt (Essonne), "Le Bois Rond, Bois du Chenay, Partie du Cor	Zone 4 Nord
7	Diagnostic archéologique sur le tronçon B17	gazoduc, Val de Saône
8	Le Ranquet, rue de la Fontaine Romaine	Nages-et-Solorgues

10 facette(s)/catégorie

Type document

- Littérature grise, rapport (28068)

Auteur

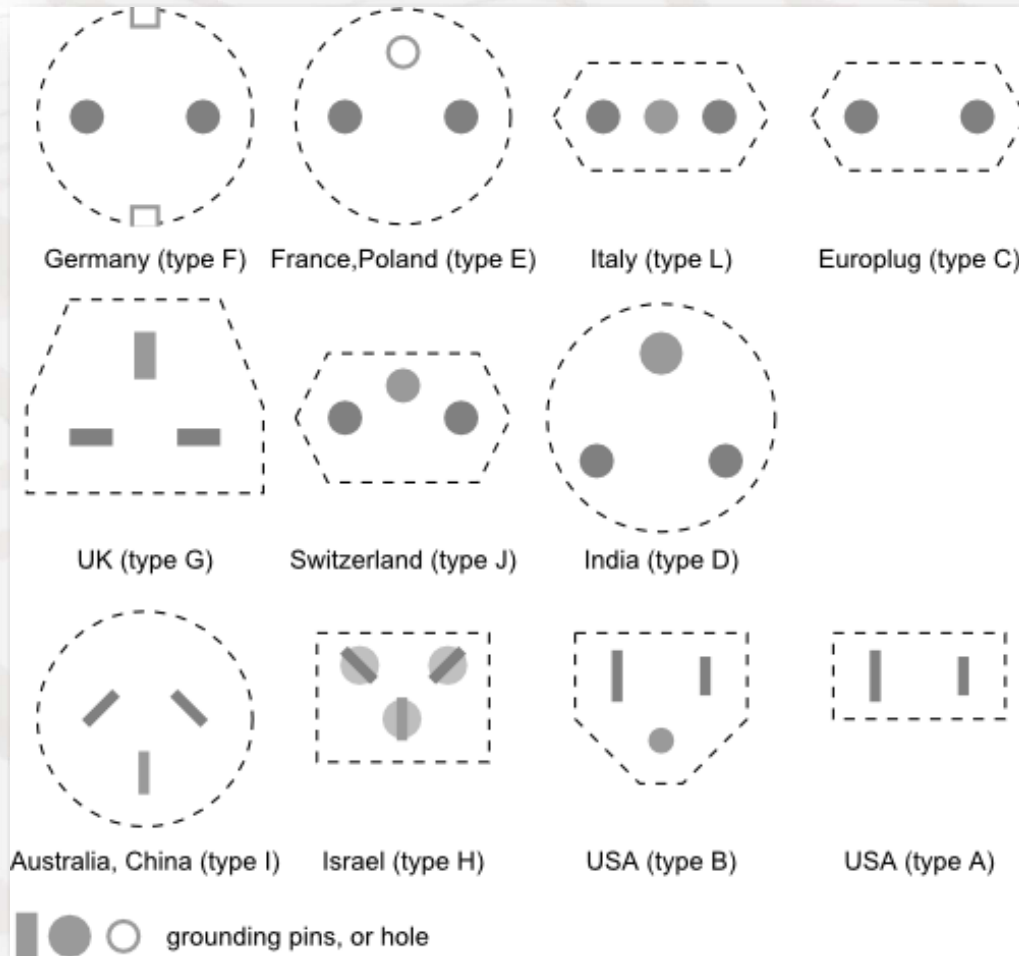
- ARRIGHI VINCENT (201)
- BAMBAGIONI FLAVIEN (258)
- BERNARD REGIS (397)
- CALLEDE FABIE (245)
- COUTUREAU MICHEL (231)
- CRETEUR YVES (196)
- GARDERE PHILIPPE (197)
- LEYENBERGER CHRISTEL (241)
- MANGIN GILLES (255)
- MAILHE VINCENT (213)

Collectivité

- BETA ANALYTIC DATATION RADI... (1)
- CENTRE DE RECHERCHE ARCHEOL... (1)
- CENTRE JURASSIEN DU PATRIMOINE (1)
- COORDINATION LGV (1)
- DENDROTECH**BUREAU D'ETUDE ... (1)
- ECOMUSEE DE LA COURNEUVE (2)
- PROJET COLLECTIF DE RECHERC... (4)
- SERVICE ARCHEOLOGIQUE DU DE... (2)
- SERVICE ARCHEOLOGIQUE MUNIC... (1)
- SRA AQUITAINE (2)



Quoi faire?

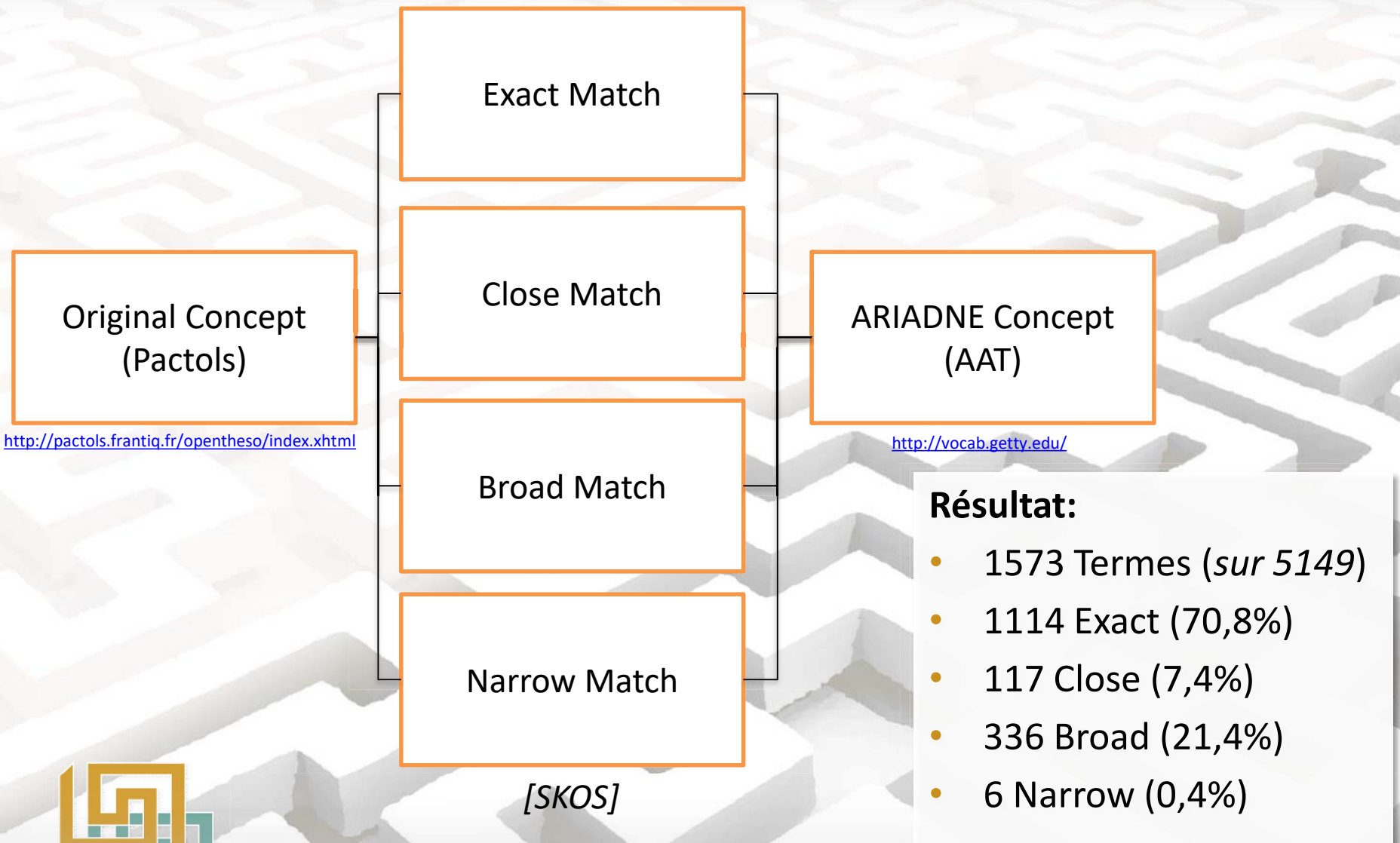


Mapping Dolia (UNIMARC) - ACDM

Champ	DOLIA (UNIMARC)	ACDM
Titre	UNIMARC 200 [\$a + \$e]	dcterms:title
Description	UNIMARC 330 [\$a]	dcterms:description
Date	UNIMARC 210 [\$d]	dcterms:issued
Mots Clés	UNIMARC 610 [\$a]	dcat:keyword
Langue	UNIMARC 101 [\$a]	dcterms:language
Chronologie	UNIMARC 634 [\$5]	acdm:temporal
...
Responsable Sc.	UNIMARC 700 [\$a]	acdm:scientificResponsible
Sujet	UNIMARC 606 [\$5]	acdm:nativeSubject
...



Alignement Pactols - AAT

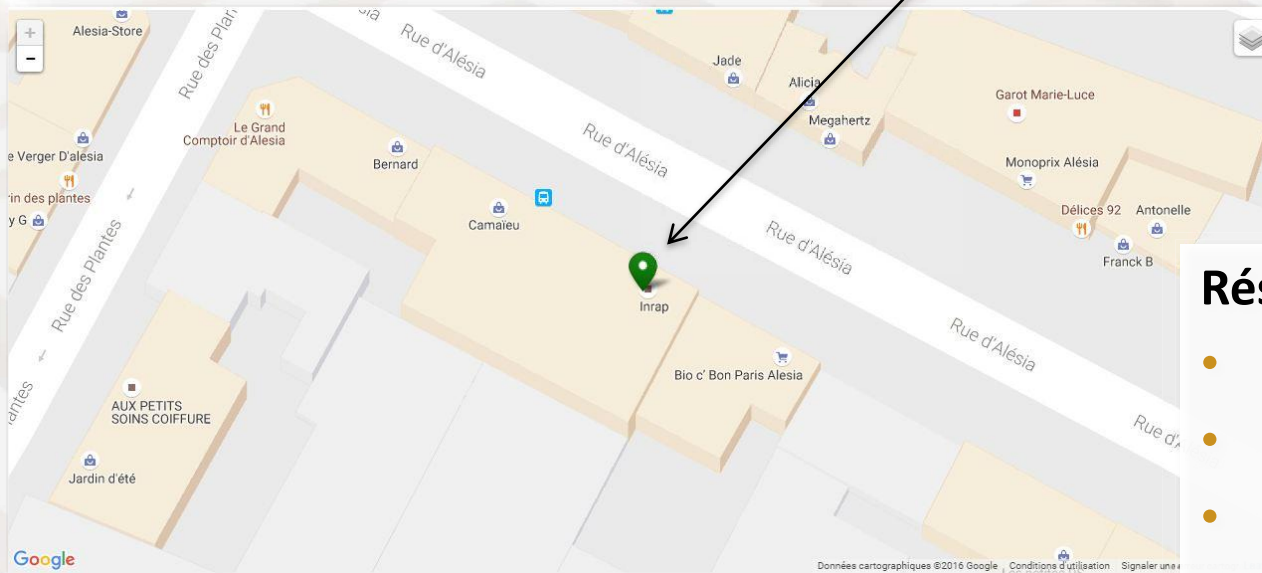


Conversion Adresses - Géocodage

121, Rue d'Alésia, 75014 Paris

API Géoportail IGN
(Géocodage) + BAN

Lng: 2.323169
Lat: 48.829001

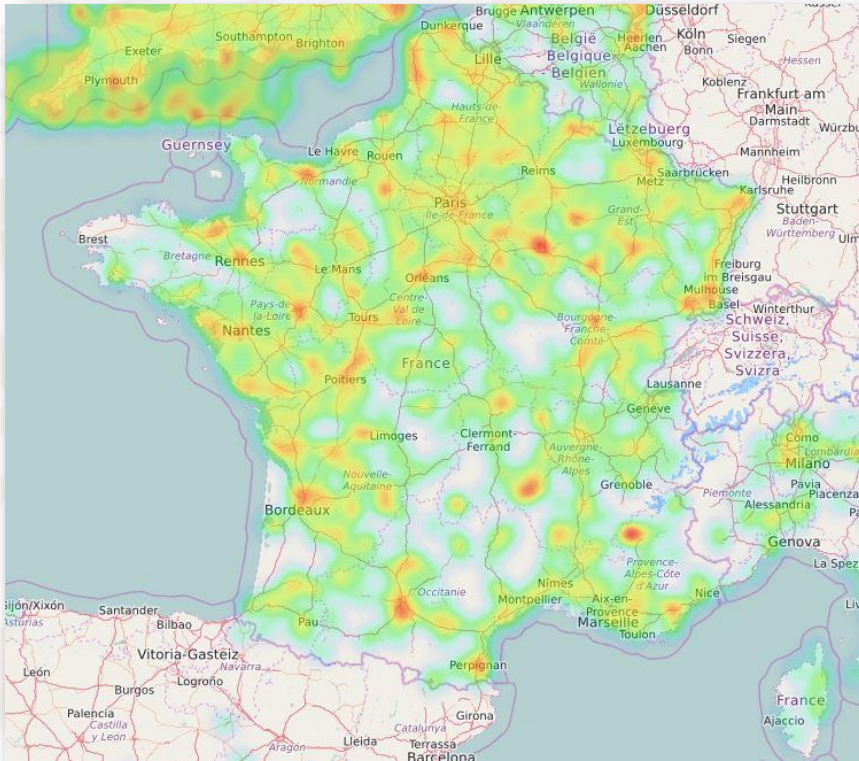


Résultat:

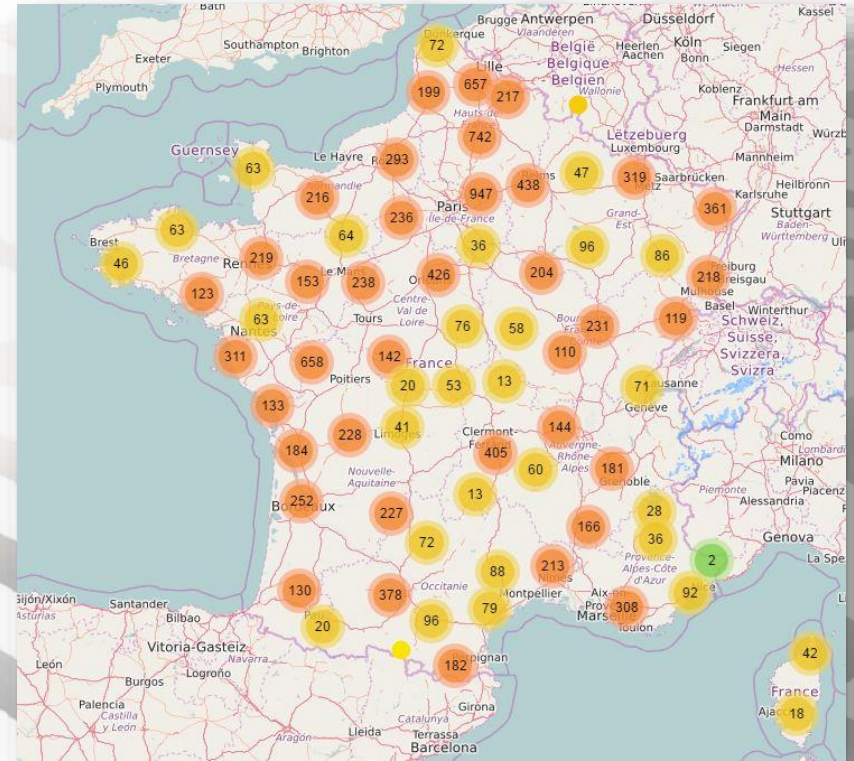
- 20526
- 2227 Point précis (10%)
- 12969 ~ Rue (59%)
- 5330 ~ Commune (25%)
- 1324 Mal placé (6%)



Conversion Adresses - Géocodage



Heatmap



Clustermap



Chronologie Pactols - PeriodO

Période (Pactols)	Earliest start	Latest stop
...
Néolithique	-6000	-2201
Néolithique ancien	-6000	-5301
Néolithique moyen	-5300	-4501
Néolithique récent	-4500	-2201
...
Protohistoire	-2200	-51
Âge du Bronze	-2200	-801
Bronze ancien	-2200	-1601
...

Résultat:

- 126 Termes chronologiques
- Archivage LOD sur <http://perio.do/>



Résultats

Subject AAT (LOD)

URI Ark - Dolia

Start a new search... Catalog Services

Mauregard (Seine-et-Marne), La Croix des Trois Ormes : [rapport de fouille]

Rapport d'opération archéologique

Access resource on the web

Resource is part of
Dolia

Geographically similar

Thematically similar

...à faire...

PeriodO (LOD)

Geonames

brickwork (masonry) cellars (storerooms) hydraulics wells (structures) coins (money) jewelry fibulae glass (material) metalwork (visual works) crafts (art genres) archaeozoology fauna archaeology Gallo-Roman Iron Age kilns hearths phosphate paleobotany skeleton components (animal components) postholes corrals mills (buildings) roads

La Croix des Trois Ormes

Metadata

ARIADNE ID 24933051
Original ID 23280.0
Language French
Audience scientifiques
Resource type Event/intervention resources
Subject brickwork (masonry) cellars (storerooms) hydraulics wells (structures) coins (money) jewelry fibulae glass (material) metalwork (visual works) crafts (art genres) archaeozoology fauna archaeology Gallo-Roman Iron Age kilns hearths phosphate paleobotany

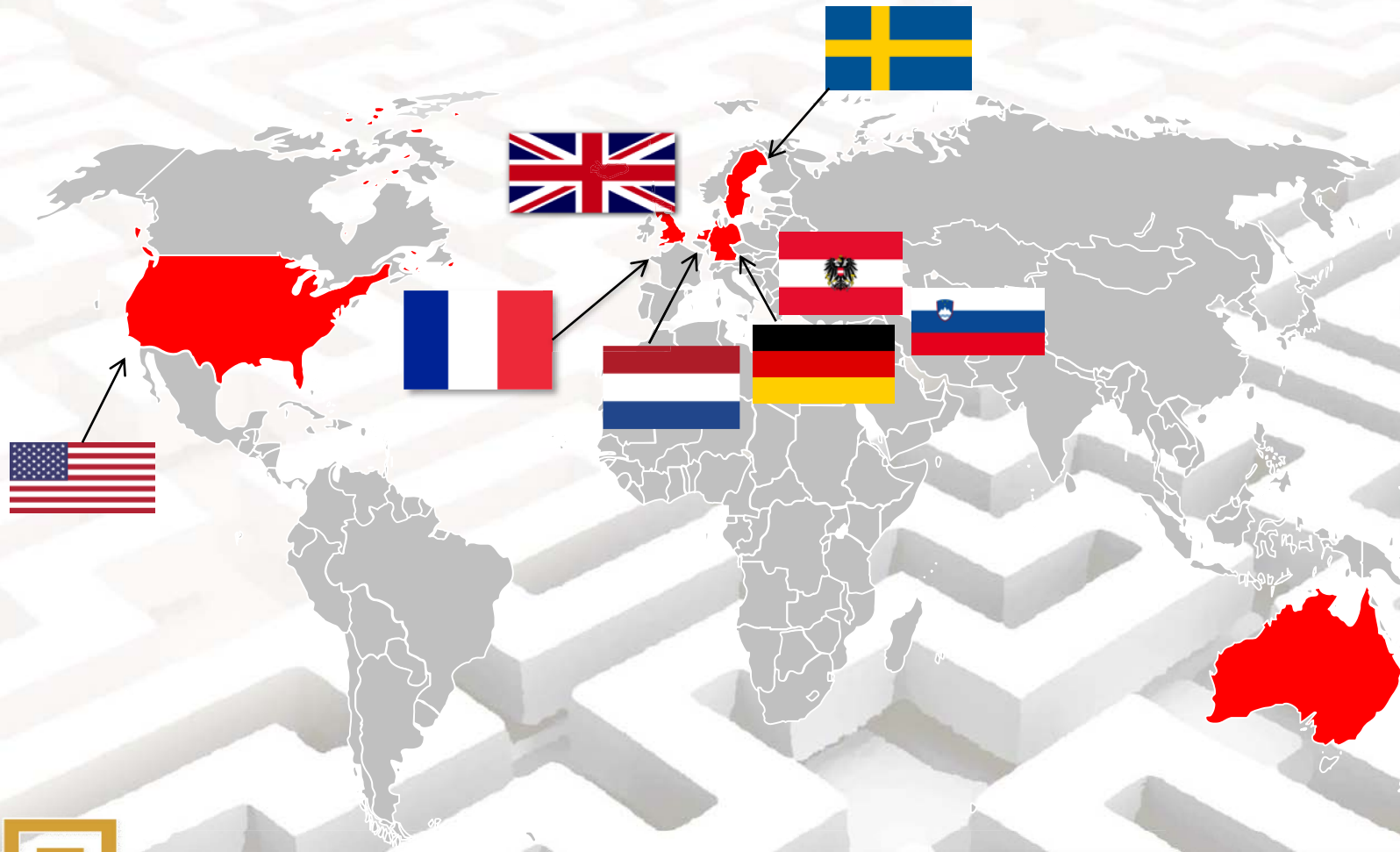
Brie-Comte-Robert (Seine-et-Marne), ZAC du Midi de la Plaine : rapport de fouille
Melun (Seine-et-Marne), 7 bis rue Gatelet : rapport de fouille
La villa de Beaudisson : Mer, Loir-et-Cher, Beaudisson : rapport de fouille
Cesson (Seine-et-Marne), Plaine du Moulin à Vent Zone Centre : Nécropole à incinérations de l'âge du Bronze moyen et établissement agricole antique sur les flancs de la Butte du Luet : rapport de fouille
Brétigny-sur-Orge (Essonne), ZAC de la Maison Neuve : lot ZF : rapport de fouille
Le Plessis-Gassot (Val d'Oise), Les Rouilleux - Carrière R.E.P. : secteur ZB, parcelle 17 : rapport de fouilles
Saint-Martial-de-Mirambeau, Le Bourg : Un village médiéval du IXe siècle au XVe siècle : rapport de fouilles

Perspectives

- Infrastructure nationale
- Langage commun
- Intégration des données issues de l'archéologie
- Interopérabilité



National Preservation Infrastructures



Prochaines étapes

Extended Conceptual Reference Model (Developed by FORTH & PIN)

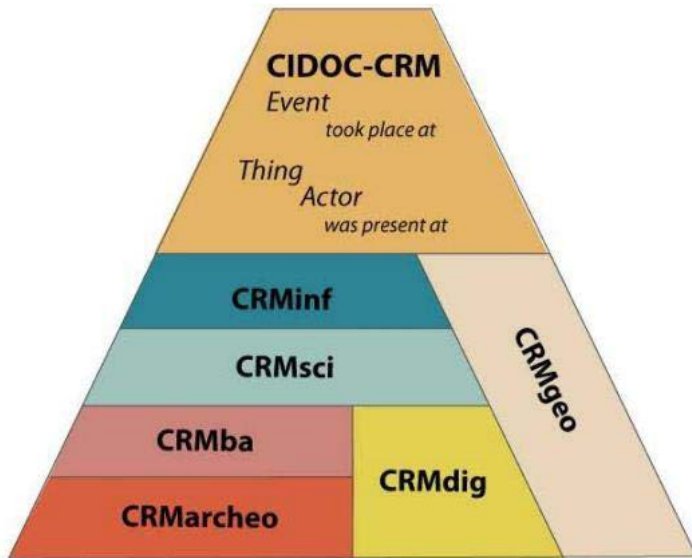


Figure 1: ARIADNE Reference Model (ARIADNE RM)

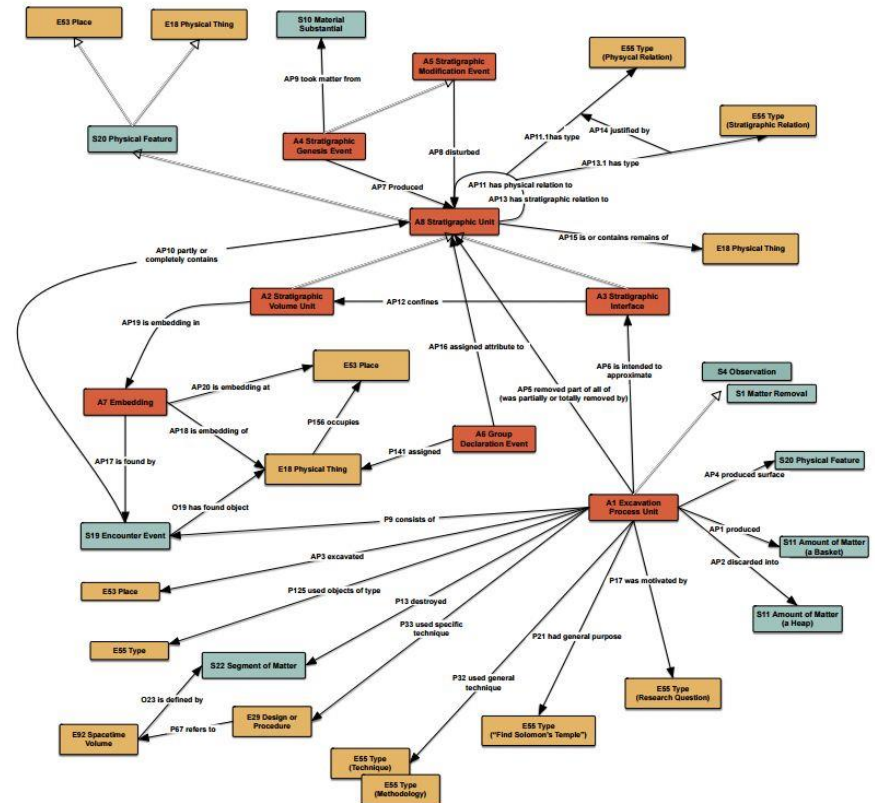


Figure 10: CRMarchaeo conceptual model

Merci pour votre attention

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ARIADNE is a project funded by the European Commission under the Community's Seventh Framework Programme, contract no. FP7-INFRASTRUCTURES-2012-1-313193.

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