Organisational alignment



How the ADS responds to external change

Catherine Hardman Archaeology Data Service



The ADS: Who we are and what we do



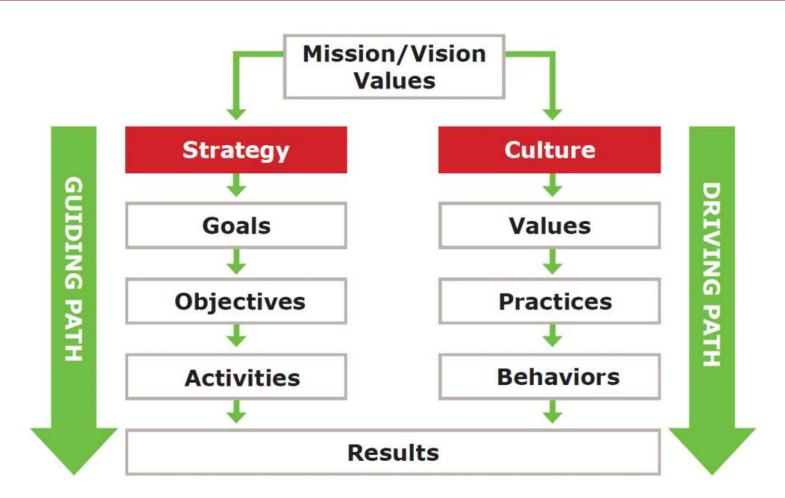


- Founded 1996
- Department of Archaeology, University of York
- Collections
 - 1,100,000 metadata records
 - 25,000+ unpublished fieldwork reports
 - 700+ rich archives
- Guides to Good Practice
- DPC Decennial Award 2012





Organisational alignment





Our 'vision' has remained pretty unchanged

...supports research, learning and teaching with freely available, high quality and dependable digital resources...

....preserving digital data in the long term, and by promoting and disseminating a broad range of data in archaeology...

....promotes good practice in the use of digital data in archaeology...



But...

...there have been a large number of changes in the profession/sector that has meant we continue to 're-align' over the years to keep our ducks in a row..



External challenges: 1996 (PPG16)?

Why is it so important to preserve archaeological data? (preservation by record)

- Archaeology is destructive!
- Archaeological resources are unique
- The documentation becomes the main resource for future interpretation
- Digital data is subject to rapid change to both software and hardware formats





External challenges: Preservation problems





External challenges: file formats



Images (8)
CAD Vector Graphics (4)
Database (4)
GIS (8)
Movies (3)
Spreadsheets (4)
Statistics (8)
Text (7)
Virtual Reality (4)
Geophysics (3)
Audio (4)

... always under review and growing...



External challenges: changes in the sector

- Fluctuation in development levels
- Changes to RCUK rules re retention of research data
- Level of skills and infrastructure shortage in museums







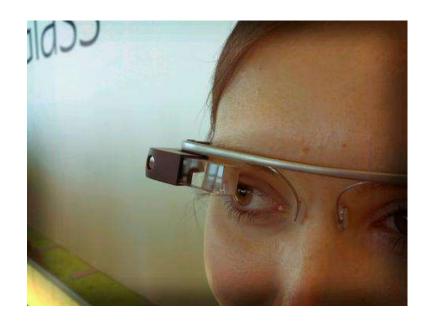


External challenges: changes to users expectations



..to Google-glasses

From the Tamagotchi...





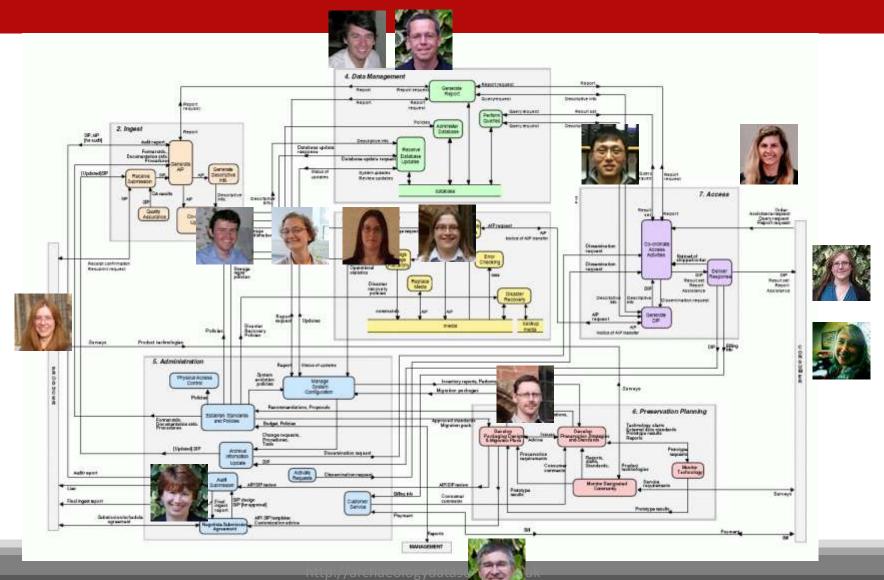
These challenges affect how we do things

Common to traditional archives:

- A collections policy
- Selection and retention, review and disposal
- Sensitive data DPA/Fol requests
- O Human Tissue Act 2004
- Licensing and copyright
- Terms and conditions of use
- Charging policy



Parchaeology pen Archival Information System (OAIS)





Always under review: Guides to Good practice



Log in

The Archaeology Data Service is currently undertaking a collaborative two-year project to revise and develop our series of Guides to Good Practice. The project will encompass important revisions of the existing six ADS Guides as well as the development of entirely new documents covering areas such as marine scanning, laser scanning, GPS, digital audio and digital video. Previous authors have been asked to revise existing content and new authors, from both Europe and the US, will contribute to the development of the guides into new themes and areas.

The project to develop the Guides is predominantly being carried out in support of the Digital Antiquity initiative, a Mellon Foundation funded US-based project with the aim of creating "a collaborative organization devoted to enhancing preservation and access to digital records of archaeological investigations". A major aim of the Guides is to develop the basis for workflows for the creation of digital datasets that can be effectively archived both by Digital Antiquity's IDAR repository in the US and by the Archaeology Data Service in the UK. As part of this initiative the development of the Guides will involve close collaboration with teams in the US at both the University of Arkansas and Arizona State University.

Other ADS projects are also planned to feed into the revision and development of the Guides. ADS involvement in the European VENUS projects will result in one of the first published guides focussing on marine scanning and photogrammetry. In addition, the incorporation of findings from the ADS Big Datas project, together with the revision of the existing guide on aerial photography and remote sensing data, will see a significant contribution to the guides from English Heritage funded projects.

At present the new Guides are currently under development. A marine scanning guide, produced for the VENUS project, has already been produced and is available via the VENUS project page, on the ADS website. This guide will form the basis for an expanded marine guide to be released alongside our other new Guides to Good Practice in January 2011.





Log in



Always under review: Depositors Guidelines



All Surveys

Survey Type

Earth Resistance Surveys

Survey Type

Instrumentation

Method of Coverage

Traverse Separation

Position of First Traverse

Direction of First Traverse

Electrode configuration

Area Surveyed

Sample Interval

Data grid size

Electrode spacing Multiple configurations

Guidelines for Depositors

Version 1.4, May 2012

- 1. Deputing with the ADS
- 1.1. Why Corporat?
- 12. How to Deposit
 Creating and Decommonly your Data
- 2.1 Part 1 Starting the Project
 - . 2 1 1 Double Andrew Mindson
 - 2.12 The need for Belefish (Consmertist):
 - 213 Fix Haming Bridge
- . 22 Part 2 Owaling and Documenting Year Files.
 - 221 Outree of Platanul Data Formats
 - . 222 Databases and Barrodshevis
 - . 223. Geographical Information Gratisma
 - . 2.24. Geophysics and Remote Sensing
 - . 225 CH3 and rector trouben
 - 226 Rastat Images
- . 23 Part 3: Cooumenting the Project
 - . 231 Covating Metadata Registra Ne Datase

1. Depositing with the ADS

1.1. Why Deposit?

The Archaeology Data Senice (ADS) collects, catalogues, archaeologists. These pages describe the process of dej

Field Name Description The type of survey (ie. Gradiometry, Resistivity, GPR, etc) The model or equipment employed in survey The size of the area surveyed The track or path taken for the survey (ie. Zigzag, Regular Grid) Distance between traverses Description Metadata Resistivity RM15 200 square metres 200 square metres 21gzag 20.5m

Distance between taken readings

Electrode configuration used e.a. 'Wenner'

A general location of the first line of the square/survery

A general direction of the first line of the square/survery

If using multiple electrode array e.g. 'Geoscan MPX15'

Including templates for and examples of

0.5m

SSW

20m

1.0m

n/a

twin-probe

NE corner of Grid 001

What is in the ADS collection?

The ADS will provide an archival home for any archaeological data of interest to UK archaeologists. The ADS collections' scope is thus international, although priority will be given to the archaeology of the British Islae. Where existing archival bodies work to preserve digital collections, the ADS will collaborate with these bodies to facilitate more uniform access to on-line information. The ADS will prioritise its acquisitions policy according to perceived gaps in the provision of electronic information. Accessioned data will include CAD lites, databases, digital senial photograph interpretations, excavation archives, geophysical and other survey data, GIS files, images, safelife imagery, spreadsheets, texts, VRML files, and any other digital formats relevant to archaeological research.

Data resources which are offered for deposit to the ADS will be evaluated to:

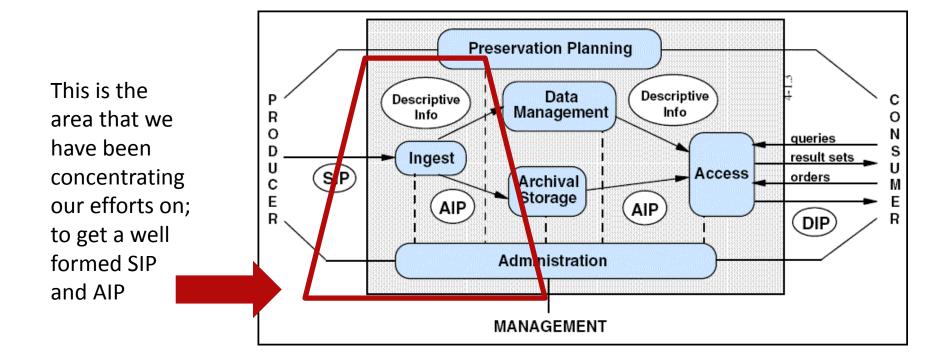
- . Assess their intellectual content and thus the level of potential interest in their re-use.
- . Assess how (even whether) they may viably be managed, preserved, and distributed to potential secondary users.
- . Assess the presence or absence of another suitable archival home.

More information about the criteria for evaluating datasets can be found in the 4DS Callections Printy.



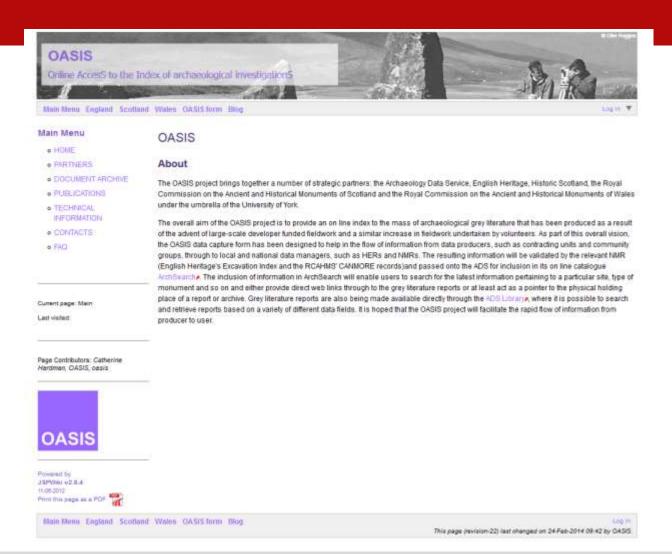
On-line options for archiving

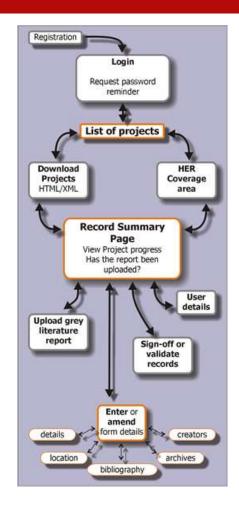
We follow the Open Archival Information System (OAIS) reference model





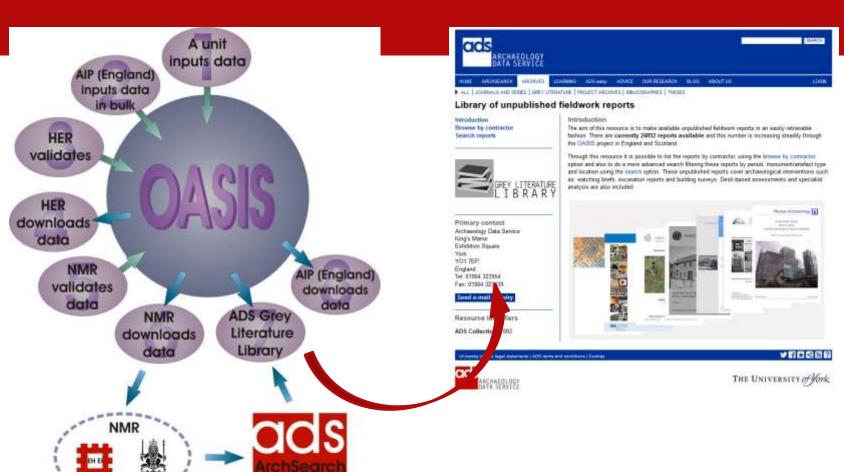
OASIS for reporting across the UK







The archive bonus



Nearly 25,000 reports with over 300 new reports added per month



Benefitting from the archive bonus of the grey lit library



The rural settlement of Roman Britain

Newsletter | January 2014 | Issue number 3

Realising the Research Potential of Developer-Funded Roman Archaeology in England

Welcome to our third project newsletter. The project has been running for over 18 marshs new, and this newsletter provides you with an update on progress and information on upcoming events. We welcome feedback and contact addresses can be found at the end. Background information on the project is available on the following websites:

- http://enw.cotswoldercheeology.co.ukidiscover-the-pest;
- www.reading.ac.uk/archaeology/research/roman-rural-settlement/

The project has two principal strands: The Roman Rural Settlement. Project and the Romano-British Towns Project.

The Roman Rural Settlement Project

Data Collection from local Historic Environment Records (IEEE) is being serviced out by Controll Archaeology with funding from English Heringa. The interpretation and enalysis of the data is undertaken by a seas from the Controllection Collection and English English (English). The Hering (English) is the service of English (English) in the Controllection of Proteotor Michael Pallots, with funding from the Leverbourn Error, The resource of a database and with based COI interface is being led by Tim Evens of the Architecting Data Service or the Michael State.



Huge over accountion of Remove British cure settlement in North-Hast Combridge © Combridge Anthosological Unit (photo by Roul Stalley Skyrigh & Dorld Habb)

Dürirenty of Realing 2014

Progress on Data Collection

Data collection has constitued unabased throughout autumn 2013 and the early Winner Process has been steady; data collection of the ever literature resource to now completed for the West Midlands. joining the South Ears, Eart Stidlands and Eart Regions previously completed; and is close to completion for the large South West person with consultation opening in Numb Sumaruse and Disease only Currently the team are collecting the resource for Yorkshire and the Shumber region and have been making early inmeds into the North West and North Rast, Enthrodizatio, belodul reprotess to the rection upon from local SEE's are consequentless, even in areas under terrorate cores (which has offer imparted upon the maintenance of HERs. The profest teats are extremely manuful for the connect recorded and so for over 2, too gray literature reports have been collected.

Rectingly, the resource in the Toristhian and Hamber region is proving to be larger than expected and should lead to some interesting resourch conclusions. Data collection in the Toristhian and Humber region is expected to be finished by the and of February 2016. Earn collection for the North West and North Earn regions in subschild for completion in the Spring of 2016.

Perhaps the higgest sources of the data tollaction element of the project on fee has been the extensive production of high quality 100% OCK dominants of dismently pages only report. Of the pred limitation reports suffered to fee, well over the base alighted from pages ends only to the supplied of the pages of the pages to page the provided to 100% in pages formed. The digitisation properation has resulted it, the internant investment of the pages of the internal contribution of the page formed to report for inspects of earlier to the pages of the inguisticant HER enhancement hereafter. The maginary of 200% convoluted during

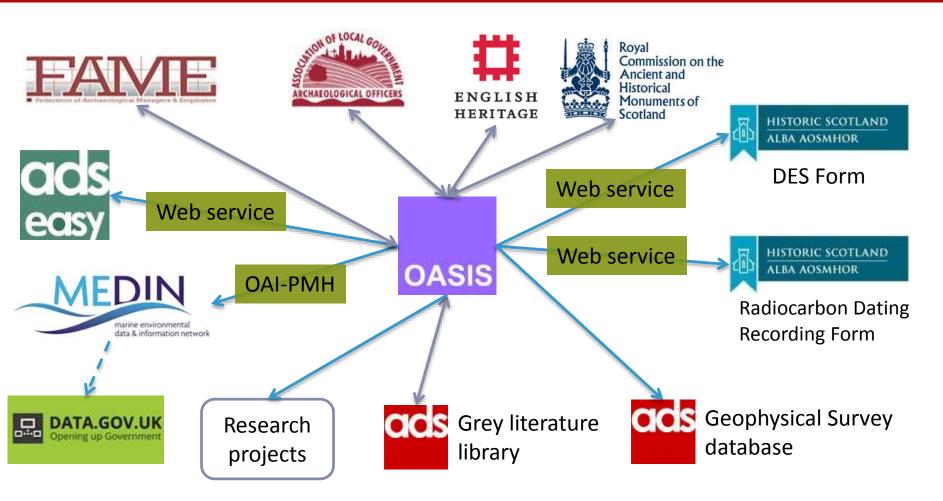
Said toff

New funded research based on the newly accessible mass of grey literature from developer funded archaeology.

...could we achieve the same by accessing a large corpus of excavation data sets?



...and benefitting by sharing open metadata too





Archiving Digital Data

After 15+ years experience of digital archiving within archaeology, we are seeing a move toward some organisations submitting digital archives to the ADS as a norm.

Southampton's Designated Archaeology Collections Programme



Stricklands, Chapel Road, Southampton

OASIS ID wessexar1-92058

Excavation 23 Aug 2009 - 27 Sep 2009 Wessex Archaeology



The Deanery, Chapel Road, Southampton

OASIS ID wessexar1-92410

Field evaluation 06 Feb 2006 - 10 Feb 2006 Wessex Archaeology



The Deanery, Chapel Road, Southampton

OASIS ID wessexar1-97044

Open-area excavation 04 Aug 2008 - 22 Oct 2008 Wessex Archaeology



20-26 College Street, Southampton

OASIS ID thamesva1-40314

Field evaluation 28 Jan 2008 - 29 Jan 2008 Thames Valley Archaeological Services



Woolston Riverside, Southampton

SITE CODE SOU1483

Field evaluation 2 Jul 2008 - 18 Dec 2008 Thames Valley Archaeological Services



The 'Coach House',16 Bevois Valley Road, Southampton

SITE CODE SOU1516

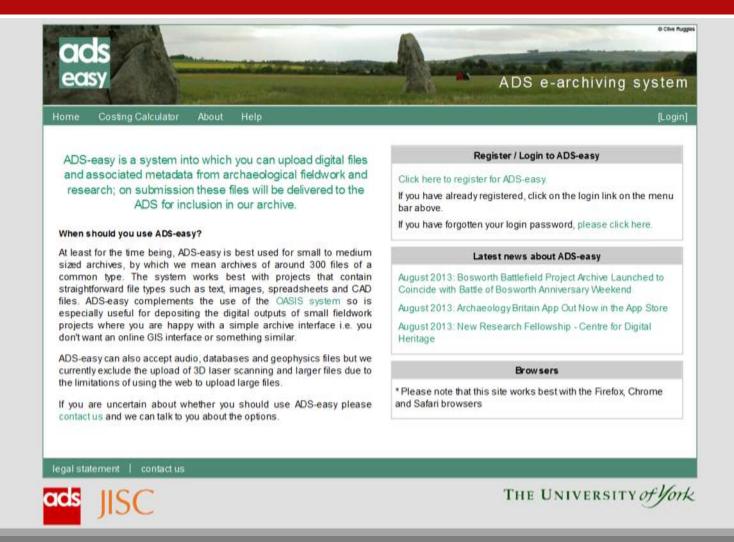
Building Recording 2 Nov 2009 - 12 Nov 2009 Southern Archaeological Services Ltd

Wessex Archaeology Image Archive



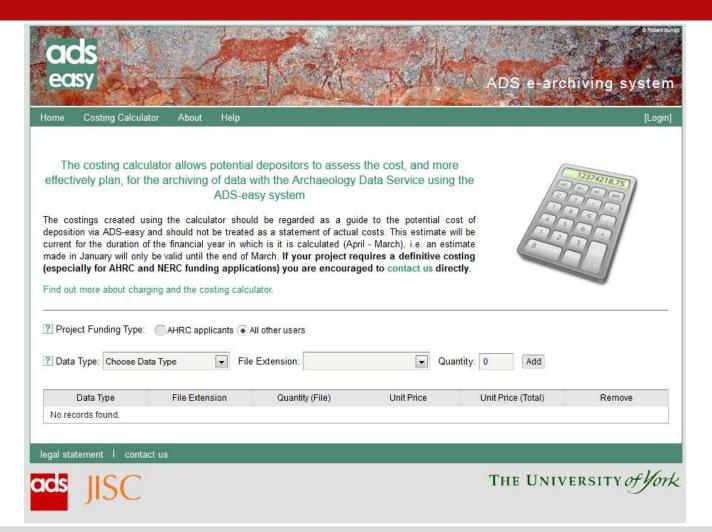


Aligning with changing data awareness The ADS e-archiving system – ADS-easy





New Costing Calculator; for estimates and costs



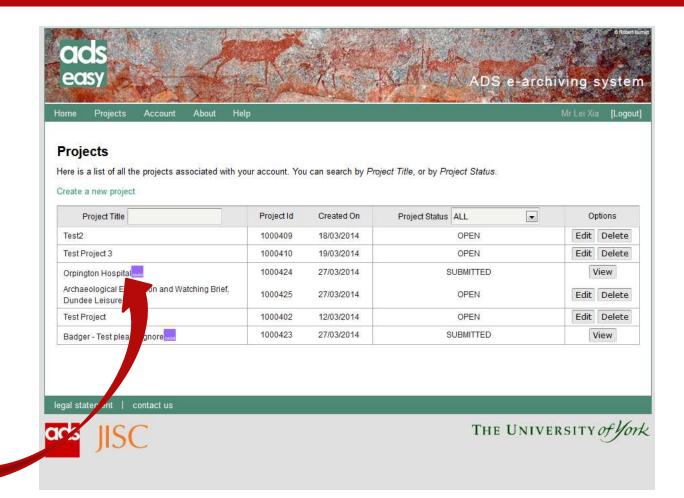
Use it without logging on to work out estimates for project proposals or tenders



ADS-easy gives you a project 'area' or account

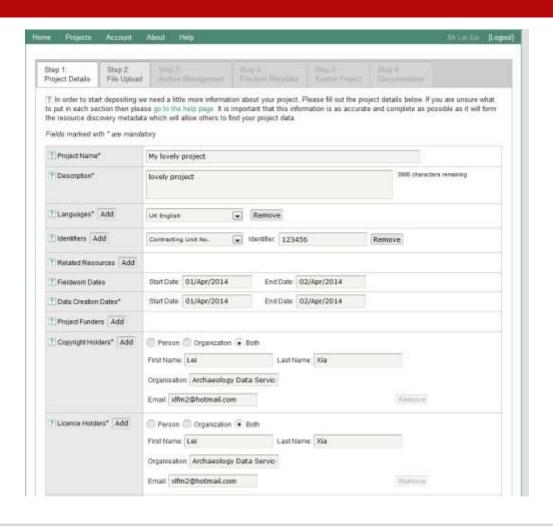
A user can see a list of their projects and the status of the projects

I'll come back to the purple squares!





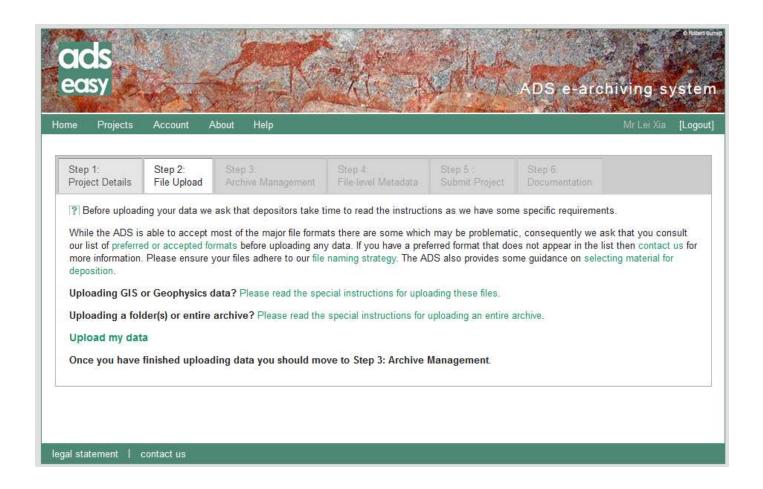
Step 1: insert project level resource discovery details



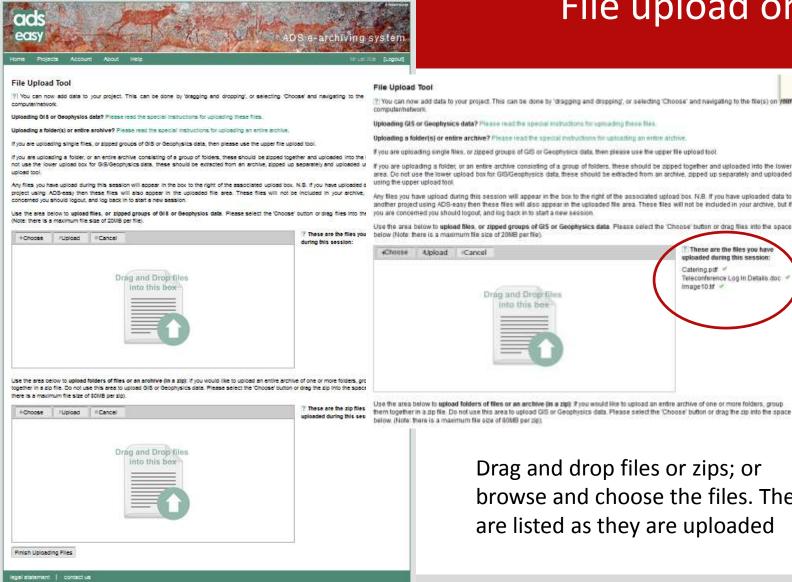
The fields are controlled to encourage proper use of standards and fulfil the ADS archive requirements



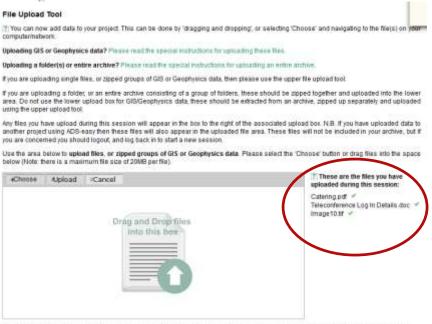
Step 2: Upload the files you want to include







File upload online

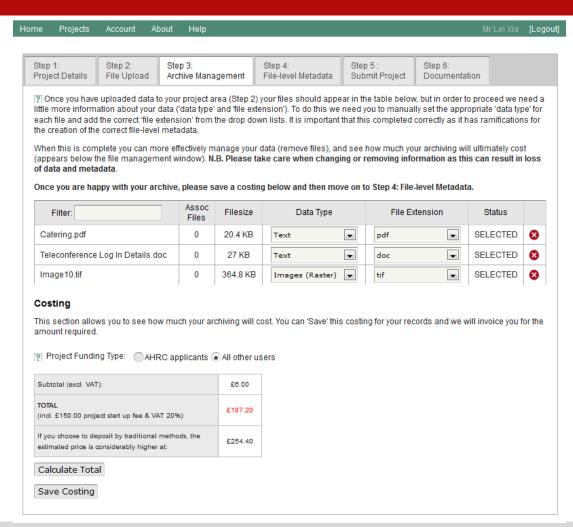


Drag and drop files or zips; or browse and choose the files. They are listed as they are uploaded



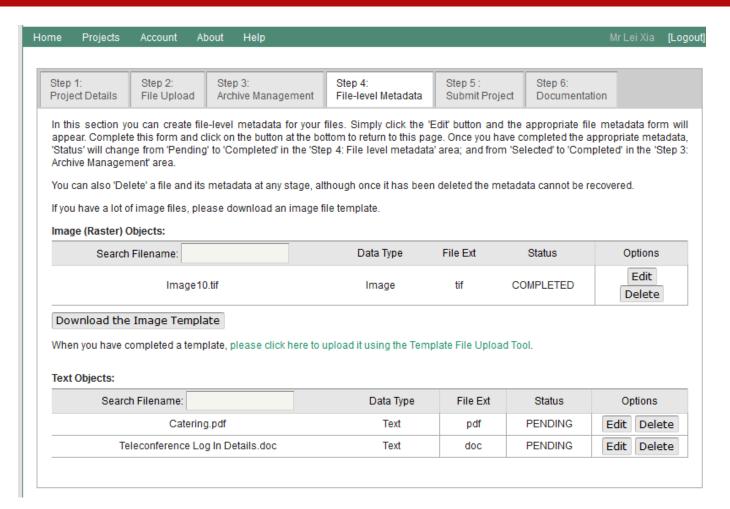
Step 3: Manage you archive and cost the archive

- See a list of your files
- Allocate a data type to help with file level metadata
- Delete what you don't want
- Calculate the archive cost
- Save your costing info





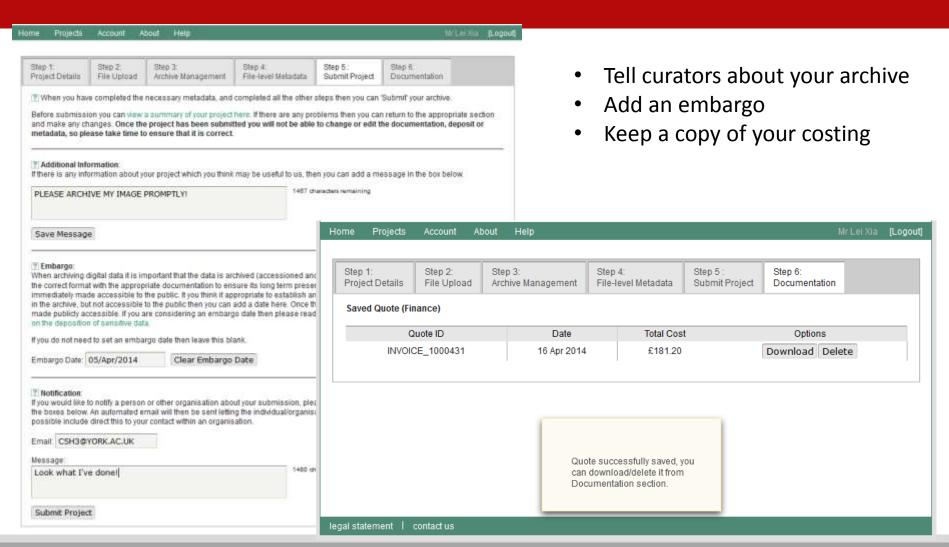
Step 4: Complete file level metadata for the files



Either use a web form or upload a spreadsheet template

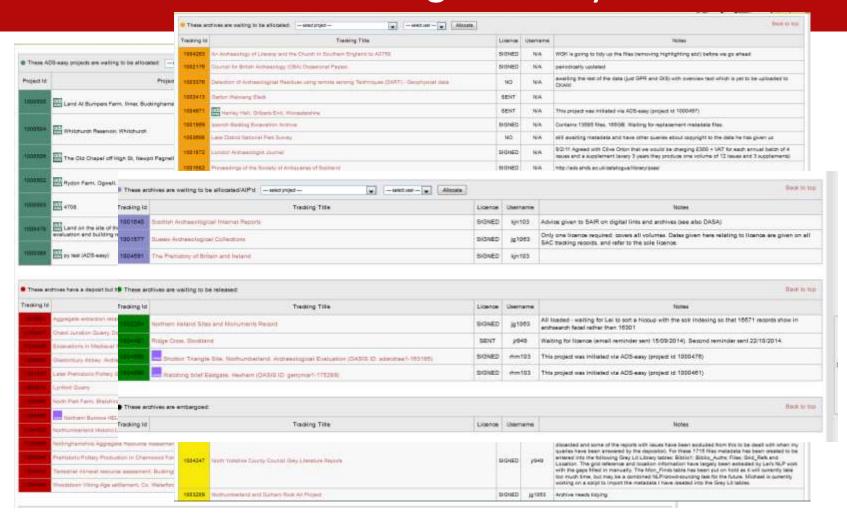


Step 5 and 6: Administer and submit your project





Internal alignment and Project Management: Collection Management System





A history of continuous development

Over 18 years:

The funding has changed

The clientele has changed

The website has changed (3 substantial changes)

The rate of deposition has changed

The nature of the content of deposition has changed

More legislation and 'guidelines'

Accreditation

Development of digital archives and repositories (the

'competition')





Keep in touch



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http://www.facebook.com/archaeology.data.service

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