

Introducing the ADS

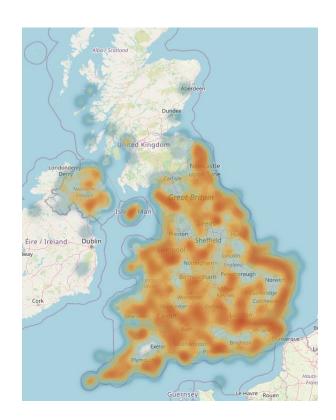


Dr Tim Evans 15/11/2022



Introducing the ADS

- Accredited digital archive for UK heritage data
- Founded in 1996
- Based at the University of York
- Data from UK-based projects
- Data from Industry and Higher Education.
- Archive over 3.5 million unique digital objects
- ...In 312 unique formats
- For more information see our <u>Annual Reports</u>





Introducing the ADS (people)

- Director (Julian Richards)
- Four Managers.
- Three application Developers.
- Seven Curatorial + Technical staff (CaTs).
- Three placement students/interns.
- One Internet Archaeology Editor.
- One Financial Administrator.
- A cost centre, hosted by the Department of Archaeology at the University of York.





Rationale

Archaeology generates a lot of data!

Excavation is inherently destructive.

Historic notions of 'Preservation by Record' feed into moral and legal obligation to ensure data is preserved **and accessible**.



Worcestershire Historic Environment and Archaeology Service (2011) Wellington Quarry.https://doi.org/10.5284/1000392



Open since 1996

No preservation without re-use.

Reduce barriers to access.

Use digital to overcome traditional problems...



Museum of London Archaeology (2019) The Prittlewell princely burial: excavations at Priory Crescent, Southend-on-Sea, Essex 2003.https://doi.org/10.5284/1050095

It is not possible to publish everything we record in the traditional manner.



Preservation

Physical media is vulnerable

Technologies change

File formats evolve (obsolescence)

Accidents!



Bill Gates in 1994 showing a CD-ROM could hold more info than a stack of 330,000 pieces of paper.



Preservation Community

Under the auspices of the Digital Preservation Coalition (DPC), we work with other institutions



Illustration by Jørgen Stamp digitalbevaring.dk CC BY 2.5 Denmark, for the Digital Preservation Handbook https://www.dpconline.org/handbook



Preservation Standards

Policies!

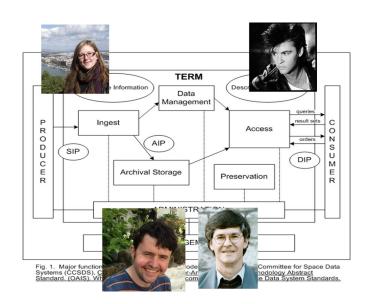
Preservation Watch!

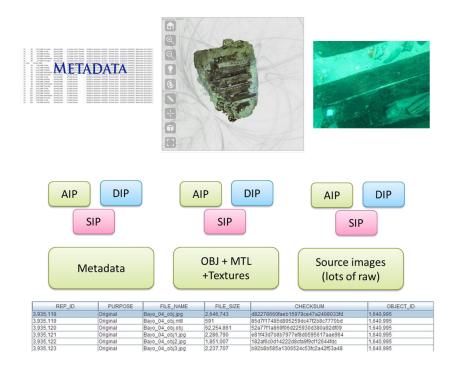
Accreditation!





Preservation in Practice







Traditional data

Datasets for specialist reuse - databases, spreadsheets.

Used to support a publication, and now commonplace as a form of digital appendix (e.g. measurements).

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msdata:
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 cvList:
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     version: 4.1.1
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     id: UO
     fullName: Unit Ontology
     version: 09:04:2014
     URI: https://raw.githubusercontent.com/bio-ontology-research
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     cvParam: profile spectrum
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       name: fid
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       cvParam: scan number only nativeID format
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Fiona Brock, Thomas Higham (2018)
Denisova 11 Human Bone Fragment
[data-set]. York: Archaeology Data Service
[distributor] https://doi.org/10.5284/1047219

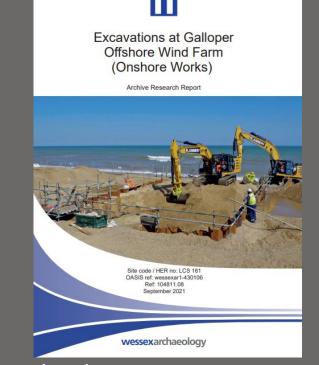


Grey literature

"Grey literature is any information that is not produced by commercial publishers".

Archaeologists: everything not in a conventional publication...

.. which in archaeology is most projects!



Wells, T. (2021). Excavations at Galloper Offshore Wind Farm (Onshore Works) Archive Research Report. Wessex Archaeology. https://doi.org/10.5284/1090262.



3D and Photogrammetry



Fabrizio Galeazzi (2016) 3D Recording Las Cuevas Project [data-set]. York: Archaeology Data Service [distributor] https://doi.org/10.5284/1036099https://doi.org/10.5284/1055116





Framework Archaeology (2009) The Stansted Framework Project [data-set]. York: Archaeology Data Service [distributor] https://doi.org/10.5284/1000029

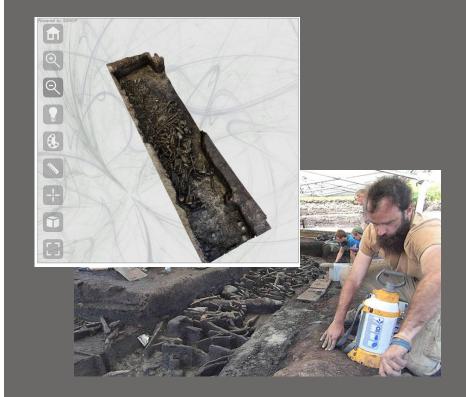


Museum of London Archaeology (2019) Stepney Green (Crossrail XRV10) [data-set]. York: Archaeology Data Service [distributor] https://doi.org/10.5284/1055116



Publication + Data

e.g. Milner, N., Conneller, C. and Taylor, B. 2018. Star Carr Volume 1: A Persistent Place in a Changing World. York: White Rose University Press https://doi.org/10.22599/book1

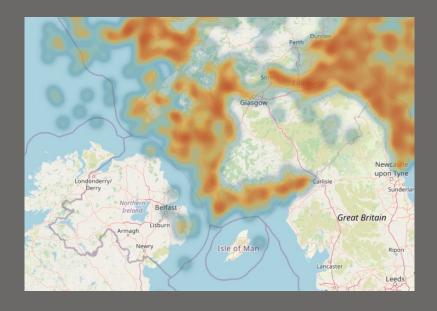


University of York (2018) Star Carr and Lake Flixton archives [data-set]. York:
Archaeology Data Service [distributor]
https://doi.org/10.5284/1041580



Research + Collaboration

You!





Thankyou!

tim.evans@york.ac.uk



O) Archaeology Data Service

Department of Archaeology

University of York

The King's Manor

Exhibition Square

York, YO1 7EP



www.archaeologydataservice.ac.uk



help@archaeologydataservice.ac.uk