



ARCHAEOLOGY
DATA SERVICE



UNIVERSITY
of York

Introducing the Archaeology Data Service

Tim Evans
30th March 2022



Background

- Accredited digital archive for UK heritage data.
- Founded in 1996.
- Based in the Department of Archaeology, University of York.



Background

- We preserve data in perpetuity.
- We provides Open Access to data.
- We **share the metadata** about the data we hold!
- We provides guidance and support to data creators.
- We lead on standards for digital data.
- For more information see our [Annual Reports.](#)



Why bother?

- Archaeology generates data.
- Archaeological work can be destructive.
- 'Preservation by record' and delivering access to that record.



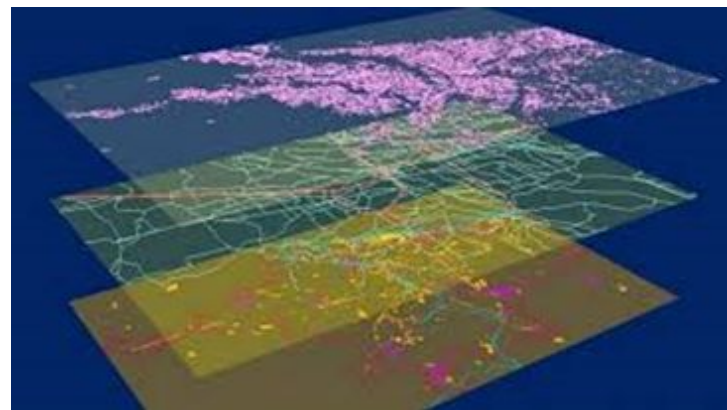
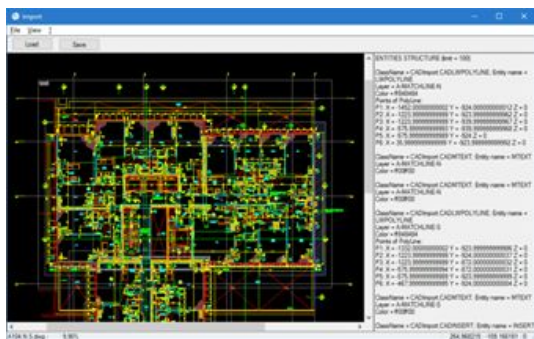
<https://doi.org/10.5284/1000392>

Archaeology can produce

```
dsrental> select title, release_year, length, replacement_cost from film
dsrental> where length > 120 and replacement_cost > 20.50
dsrental> order by title desc;
```

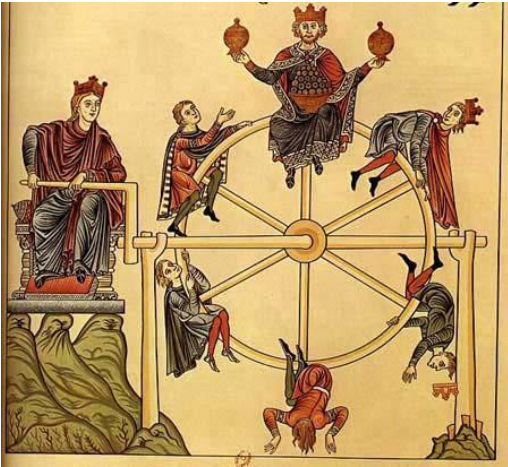
title	release_year	length	replacement_cost
West Lion	2006	158	20.50
Virgin Galaxy	2006	179	20.50
West Side Story	2006	172	20.50
Tracy Carter	2006	142	20.50
Song Hedwig	2006	165	20.50
Slacker (Lilaboss)	2006	179	20.50
Bobby Packer	2006	164	20.50
Power Outlaw	2006	148	20.50
Eight Curses	2006	153	20.50
Quest Mussolini	2006	177	20.50
Powderman Forever	2006	188	20.50
Laughing Legally	2006	148	20.50
Lancelo Wilson	2006	182	20.50
Jingle Singsong	2006	124	20.50
Jericho Mulas	2006	171	20.50
Japanese Run	2006	135	20.50
Glenn's Billed	2006	163	20.50
Flaats Garden	2006	148	20.50
Fantasia Park	2006	121	20.50
Extraordinary Conqueror	2006	122	20.50
Everyone Craft	2006	163	20.50
Witty Ace	2006	147	20.50
Clyde Theory	2006	139	20.50
Clockwork Paradise	2006	143	20.50
Ballroom Rockingbird	2006	173	20.50

(15 rows)



Funding

- The ADS was funded through the AHDS 1996-2008.
- Move to charging for all archive deposition.
- + research and development projects (e.g. EU)
- AHRC funding, via UKRI, is now returning!



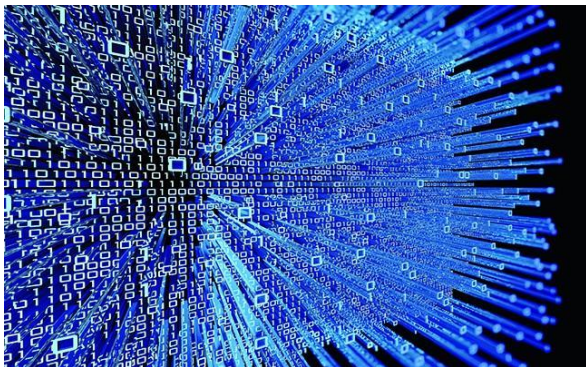
Staffing

- Maintain a core staff of 16.
- Of which 7 are predominantly focussed on Digital Preservation and Archives. The “Curatorial And Technical Staff” or CATS.
- Development Team + Management Team.
- ... and the Open Access Journal Internet Archaeology!



Data!

- ADS archive over 3.5 million digital objects.
- In 312 unique formats.
- 'Bespoke' systems stack not tied to any proprietary or open source preservation system.
- For more information see our [Annual Reports](#).



Gold!

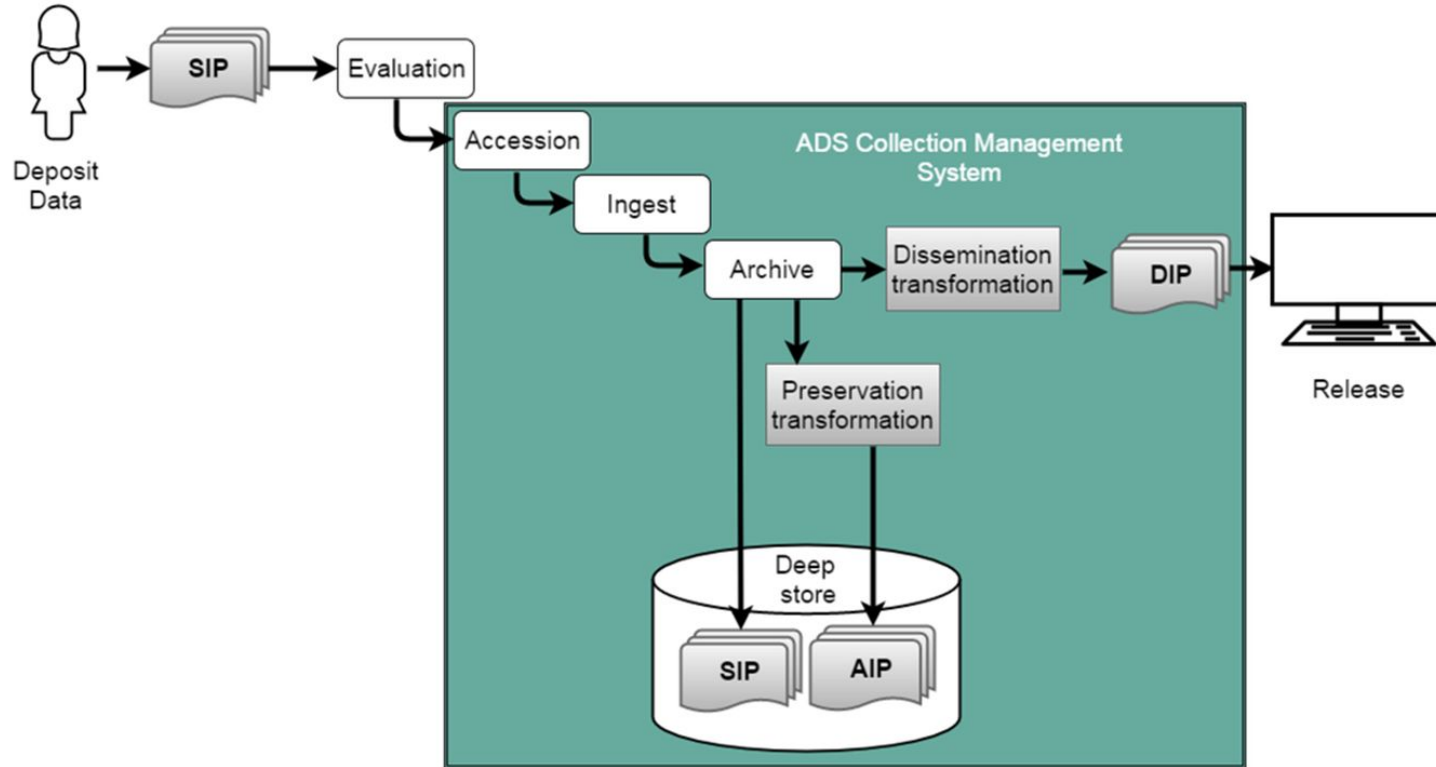


The Prittlewell princely burial:
excavations at Priory Crescent,
Southend-on-Sea, Essex 2003.
<https://doi.org/10.5284/1050095>



The evolution of Rome's maritime
facade: archaeology and
geomorphology at Castelporziano.
<https://doi.org/10.5284/1000127>

Preservation via migration



REP_ID	PURPOSE	FILE_NAME	FILE_SIZE	CHECKSUM	OBJECT_ID
3,935,118	Original	Bayo_04_obj.jpg	2,646,743	d82278660faeb15979ce47a2408033fd	1,640,995
3,935,119	Original	Bayo_04_obj.mtl	591	85d7f17485d895259dc47f2b8c7770bd	1,640,995
3,935,120	Original	Bayo_04_obj.obj	62,254,861	52a77f1a869f06d225930d380a92df09	1,640,995
3,935,121	Original	Bayo_04_obj1.jpg	2,286,790	e81f43d7b8b7977ef8d0595617aae964	1,640,995
3,935,122	Original	Bayo_04_obj2.jpg	1,851,007	182af6c0d14222d8cfa9f9cf12644fdc	1,640,995
3,935,123	Original	Bayo_04_obj3.jpg	2,237,707	b92b8b585a1306524c53fc2a42f53a48	1,640,995

METADATA



AIP

DIP

SIP

Metadata

AIP

DIP

SIP

OBJ + MTL
+Textures

AIP

DIP

SIP

Source images
(lots of raw)

REP_ID	PURPOSE	FILE_NAME	FILE_SIZE	CHECKSUM	OBJECT_ID
3,935,118	Original	Bayo_04_obj.jpg	2,646,743	d82278660faeb15979ce47a2408033fd	1,640,995
3,935,119	Original	Bayo_04_obj.mtl	591	85d7f17485d895259dc47f2b8c7770bd	1,640,995
3,935,120	Original	Bayo_04_obj.obj	62,254,861	52a77f1a869f06d225930d380a92df09	1,640,995
3,935,121	Original	Bayo_04_obj1.jpg	2,286,790	e81f43d7b8b7977ef8d0595617aae964	1,640,995
3,935,122	Original	Bayo_04_obj2.jpg	1,851,007	182af6c0d14222d8cfa9f9cf12644fdc	1,640,995
3,935,123	Original	Bayo_04_obj3.jpg	2,237,707	b92b8b585a1306524c53fc2a42f53a48	1,640,995

process.validation

process.virus check

Is Documented In

[illegible]

```
agent.actor.r_moore
```

agent.software.xnview

Is Source of



Accreditation



Our community of practice

- Members of the Digital Preservation Coalition.
- Other members include:
 - Library of Congress.
 - CERN.
 - Digital Repository of Ireland (DRI).
 - British Library (BL).
 - J. Paul Getty Trust.



for Refugees.

We archive for...



Arts & Humanities
Research Council



Natural
Environment
Research Council



UK relationships



Historic England



Department for

Communities

An Roinn

Pobal

Depairtment fur

Commonities



HISTORIC
ENVIRONMENT
SCOTLAND

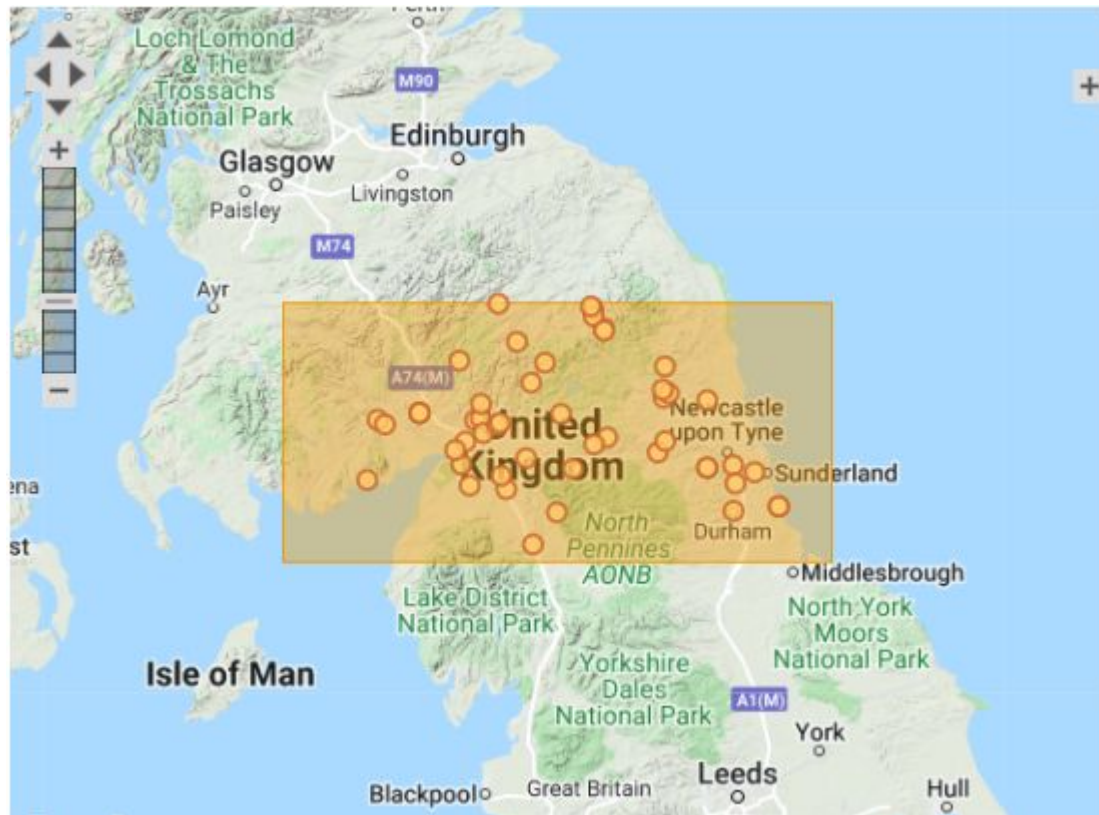
ÀRAINNEACHD
EACHDRAIDHEIL
ALBA



Comisiwn Brenhinol
Henebion Cymru

Royal Commission on the Ancient
and Historical Monuments of Wales

Archsearch




OASIS

OASIS Id: wessexar1-504070

>


Summary

✓




Activity type

✓




Location

✓




Reviewers/Admin areas

✓




Work undertaken

✓




Report details

✓




People

✓




Keywords

✓




Results


✓



Archives




Additional info




Burial Spaces

✕




Geophysical Survey

✕



Admin



4 watchers

Dudgeon Offshore Wind Farm - Geophysical Assessment of 2013 data

ADS Library Summary

[< Previous page](#) [Next page >](#)

OASIS ID (UID): wessexar1-504070

Project Name: Dudgeon Offshore Wind Farm - Geophysical Assessment of 2013 data

Activity type: Desk Based Assessment


Project Identifier(s): 69682

Planning Id: [no data]

Reason for Investigation: Planning: Post determination

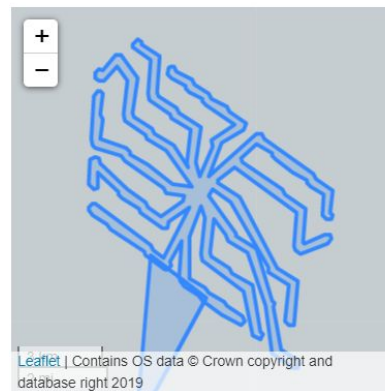
Organisation Responsible for work: Wessex Archaeology

Project Dates: 04-Mar-2014 - 31-Jul-2014

HER: Historic England National Marine Heritage Record 

HER Identifiers: [no data]

Project Methodology: Wessex Archaeology was commissioned by Royal HaskoningDHV on behalf of Dudgeon Offshore Wind Limited (DOW) to conduct an archaeological assessment of geophysical data obtained over the site of the Dudgeon Offshore Wind Farm and its associated export cable route. An archaeological interpretation of sidescan sonar, magnetometer and multibeam bathymetry data was undertaken. The Offshore Wind Farm is situated approximately 32 km offshore of Cromer on the north Norfolk coast.



Location

Site 1

Site name: Dudgeon Offshore Wind Farm - Geophysical Assessment of 2013 data

Coordinates:

TG 19717 62768 LL NGR 12 fig

International Collaboration

- Internationally!
- Sharing metadata: Ariadne <https://t.co/Ri32qb8sjq?amp=1>
- Working to establish best practice: SEADDA
<https://www.seadda.eu/>



Archaeology Data Service

<http://archaeologydataservice.ac.uk>

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THANK YOU

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https://twitter.com/ADS_Update
help@archaeologydataservice.ac.uk