



Archaeology
Data Service

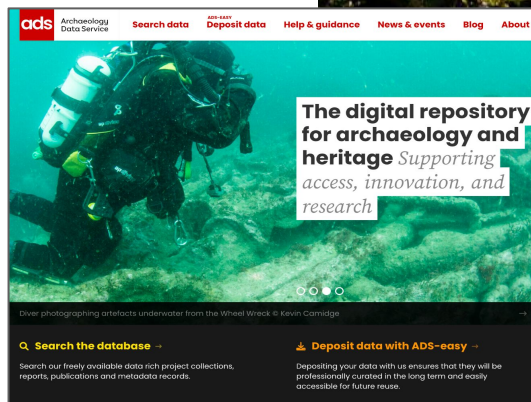
HS2

One Archive, Many Windows

Dr Katie Green, Teagan Zoldoske, Jenny O'Brien
Archaeology Data Service



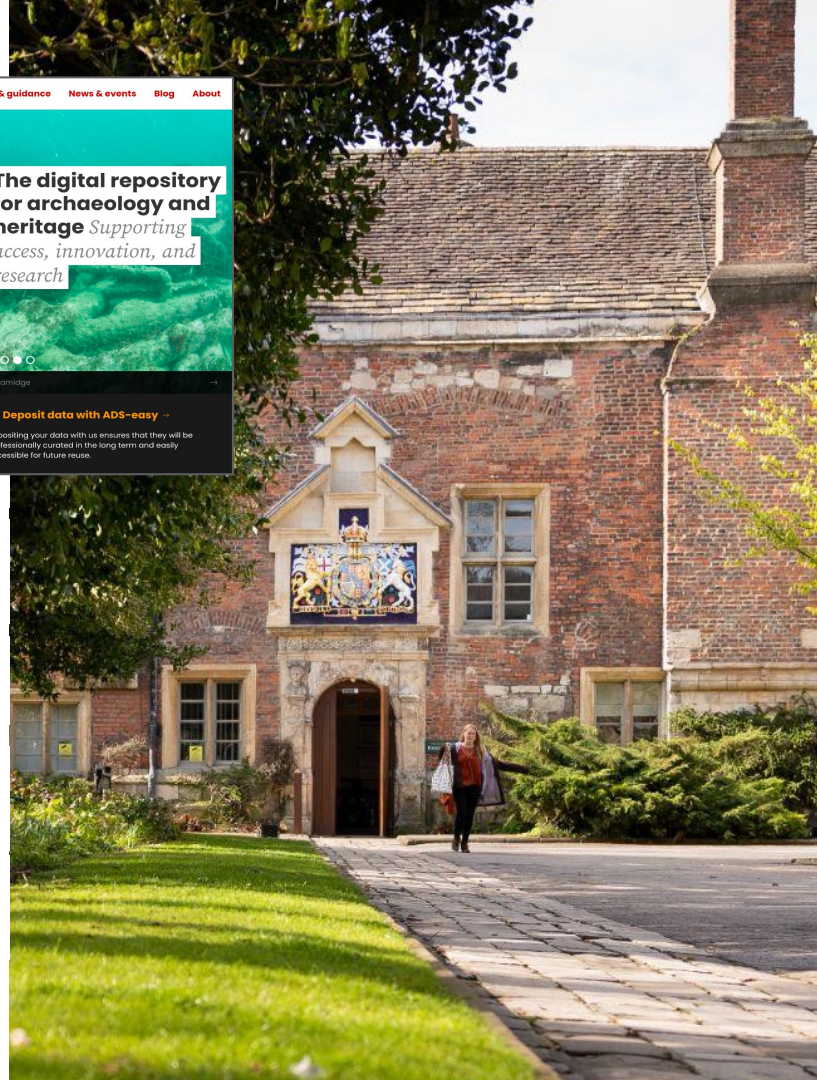
Archaeology Data Service



Website © ADS

- Established in 1996
- University of York, UK
- Core Trust Seal Accredited
- 35+ terabytes of data
- Preservation through migration

Image © University of York



Public Benefit

Legacy

Opportunity

Innovation

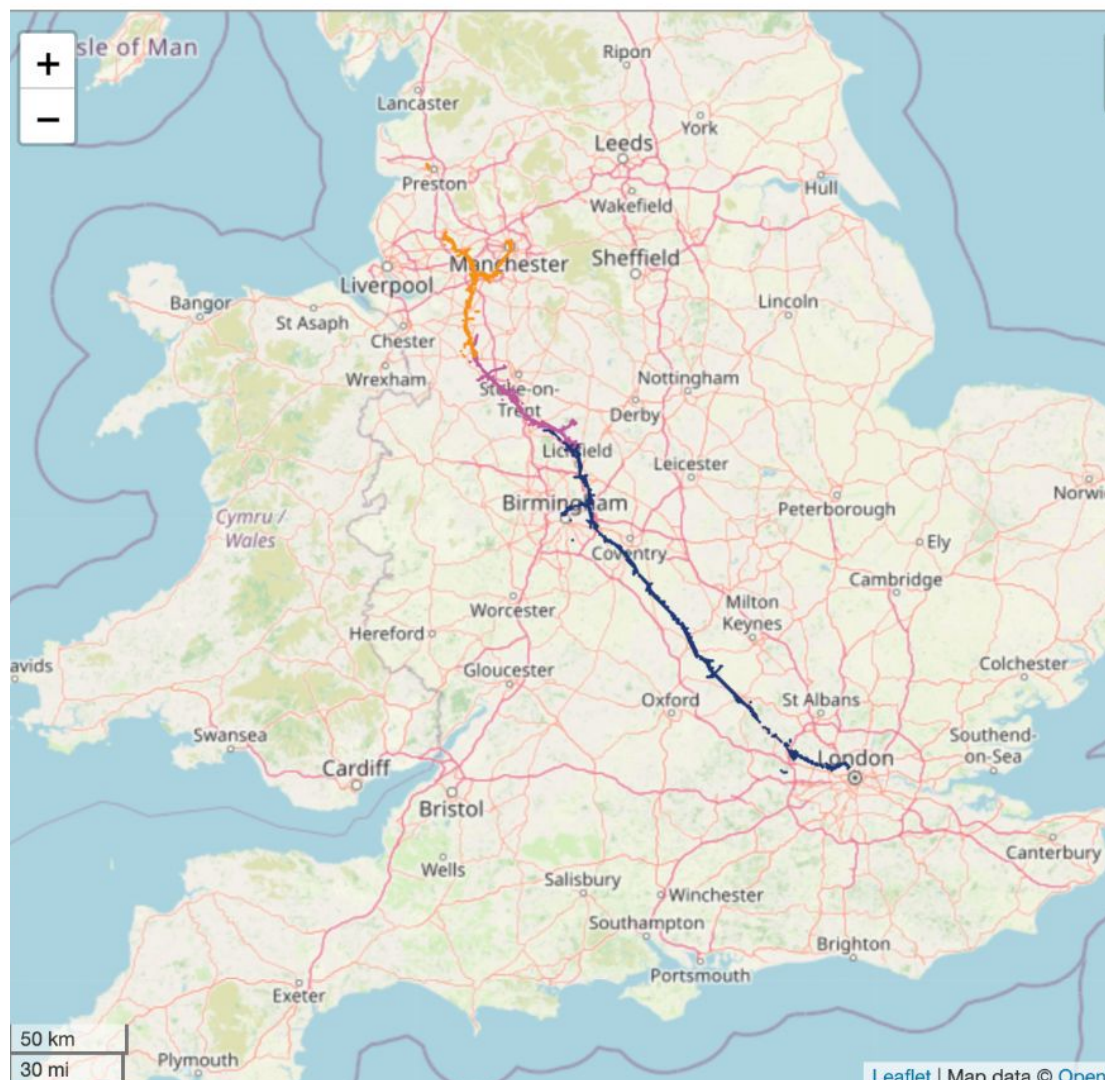


High Speed Two

- UK's largest linear infrastructure project
- Unprecedented opportunity

Historic Environment Research and Delivery Strategy Objective

03: To develop and deliver a highly accessible archive and outstanding archival legacy that will be actively promoted.



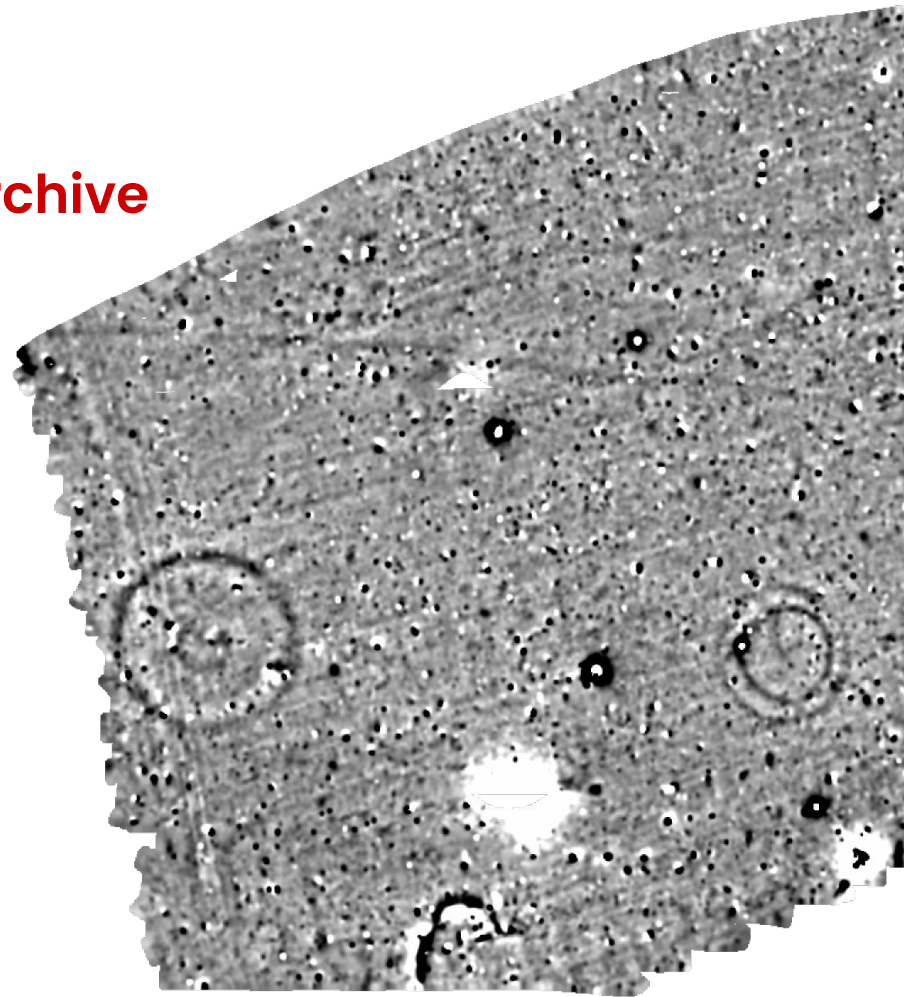
HS2 Historic Environment Digital Archive

15+ TB of data to be submitted

LIDAR, Laser Scans, Photogrammetry, Video,
RTI, Databases, CT Scans, X Ray, Documents,
Photographs, Geophysics, GPR, Spreadsheets,
CAD, GIS, Scientific data.....

ADS deposits 2021-2022

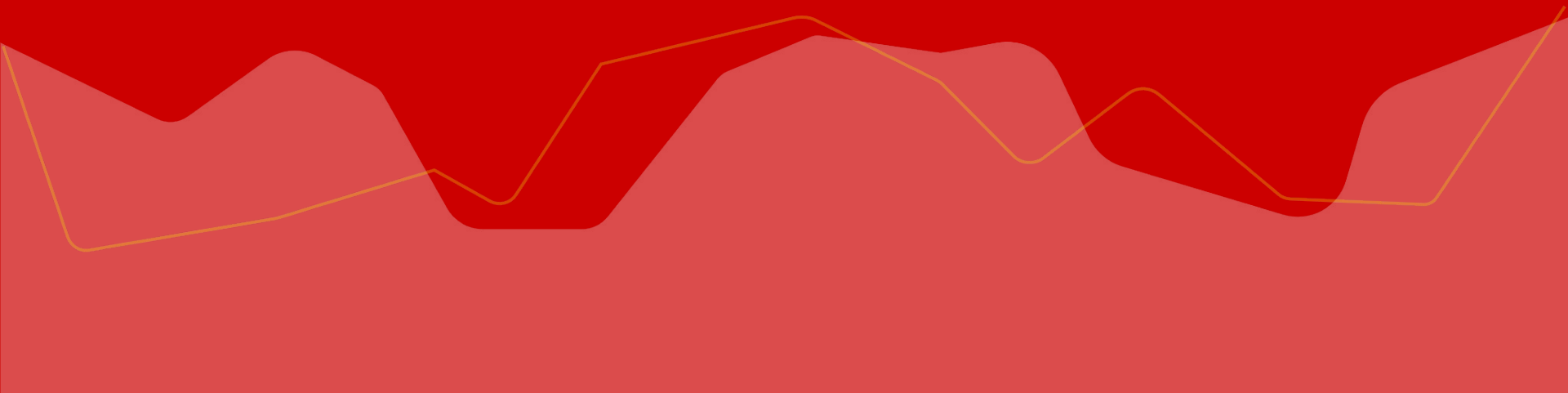
- 622 total archives submitted
- 180 HS2 archives



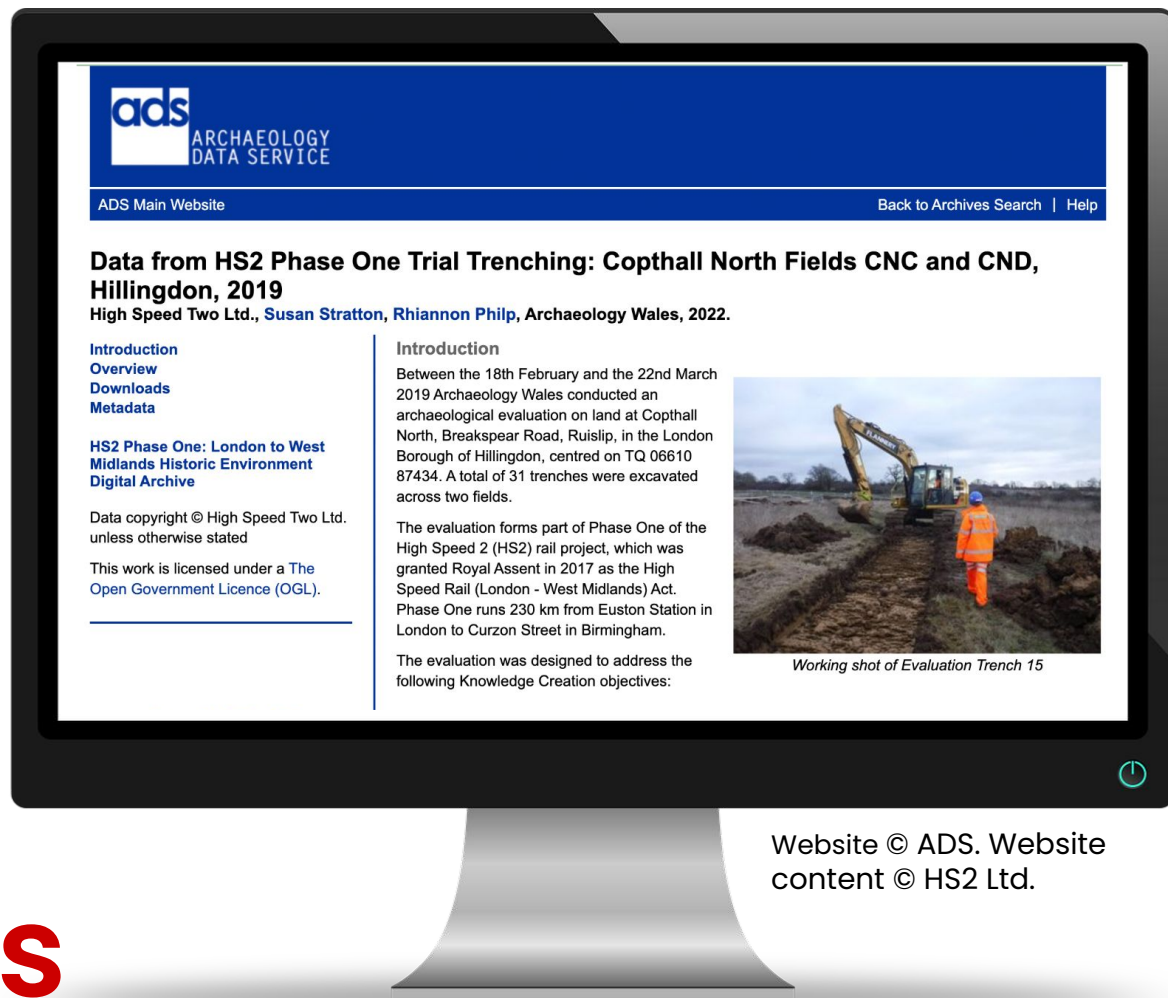
Digital Archive Objectives

- To **preserve** digital data in the long term so that the digital data remains **accessible** for use in the future.
- To ensure that appropriate **selection** criteria are used to enable each deposited archive to be an accurate, relevant and efficient record of the project, with data **findable, accessible, interoperable** and **re-usable**.
- To ensure that all digital data are accompanied by consistent, accurate and high-quality **metadata** that will facilitate re-use.
- To effectively **link** all relevant and appropriate historic environment digital data to the appropriate **physical archive** repository.
- **To provide a valuable digital resource, that enables onward innovation and creativity for research, learning and engagement.**

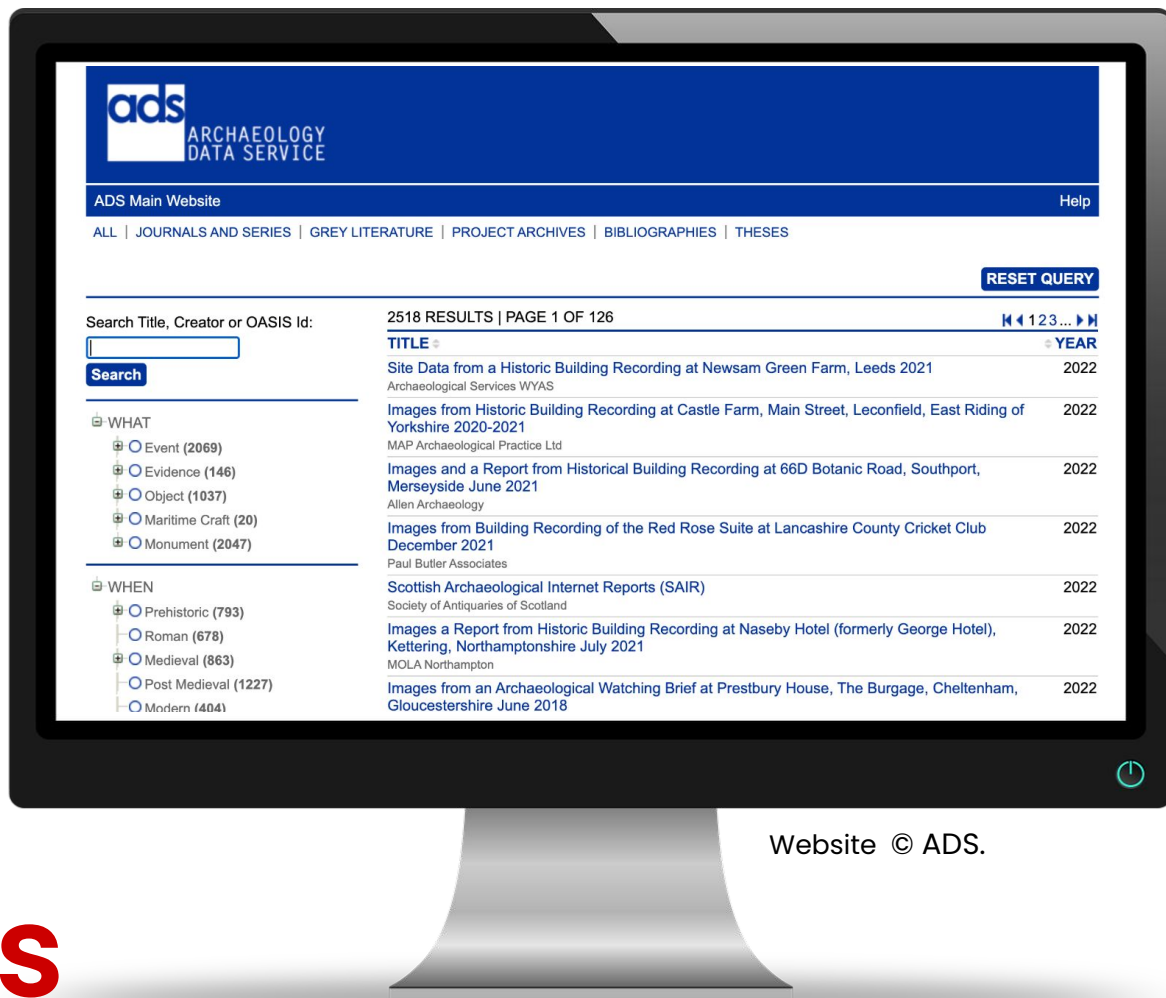
How?



Individual Data Collections



Individual Data Collections



Cross Collection Search

Submit query **clear form**

Search options ☒ Include Defended small towns
☐ Exclude Defended small towns

Display options ☒ View as a list
☐ View on a map

Site name

Database ID

County
--- select from list ---
Bath and Northeast Somerset
Bedfordshire
Berkshire
Buckinghamshire
Cambridgeshire
Cheshire

Region
--- select from list ---
Central Belt
Central West
East
North
North-East
Northern England

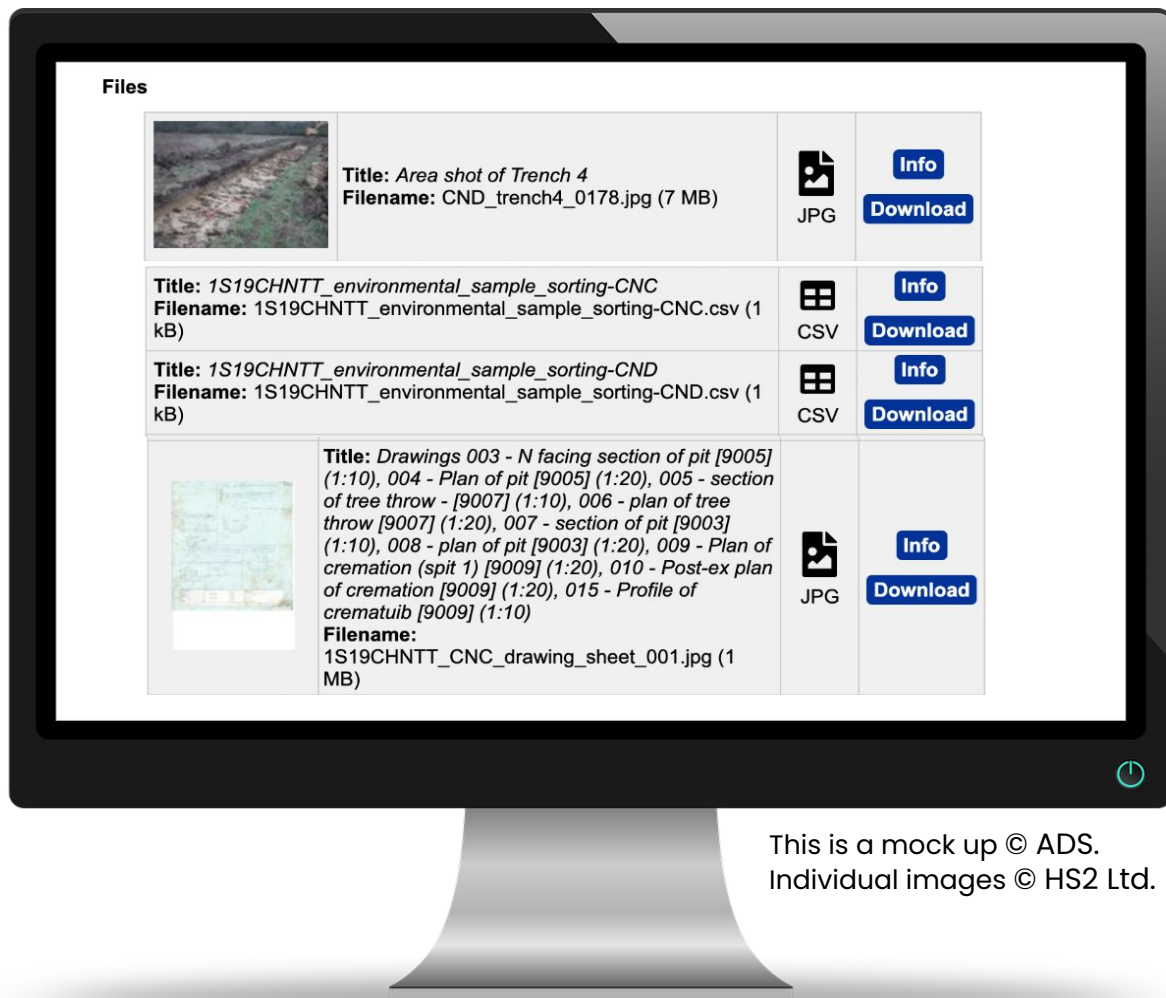
Site Classification

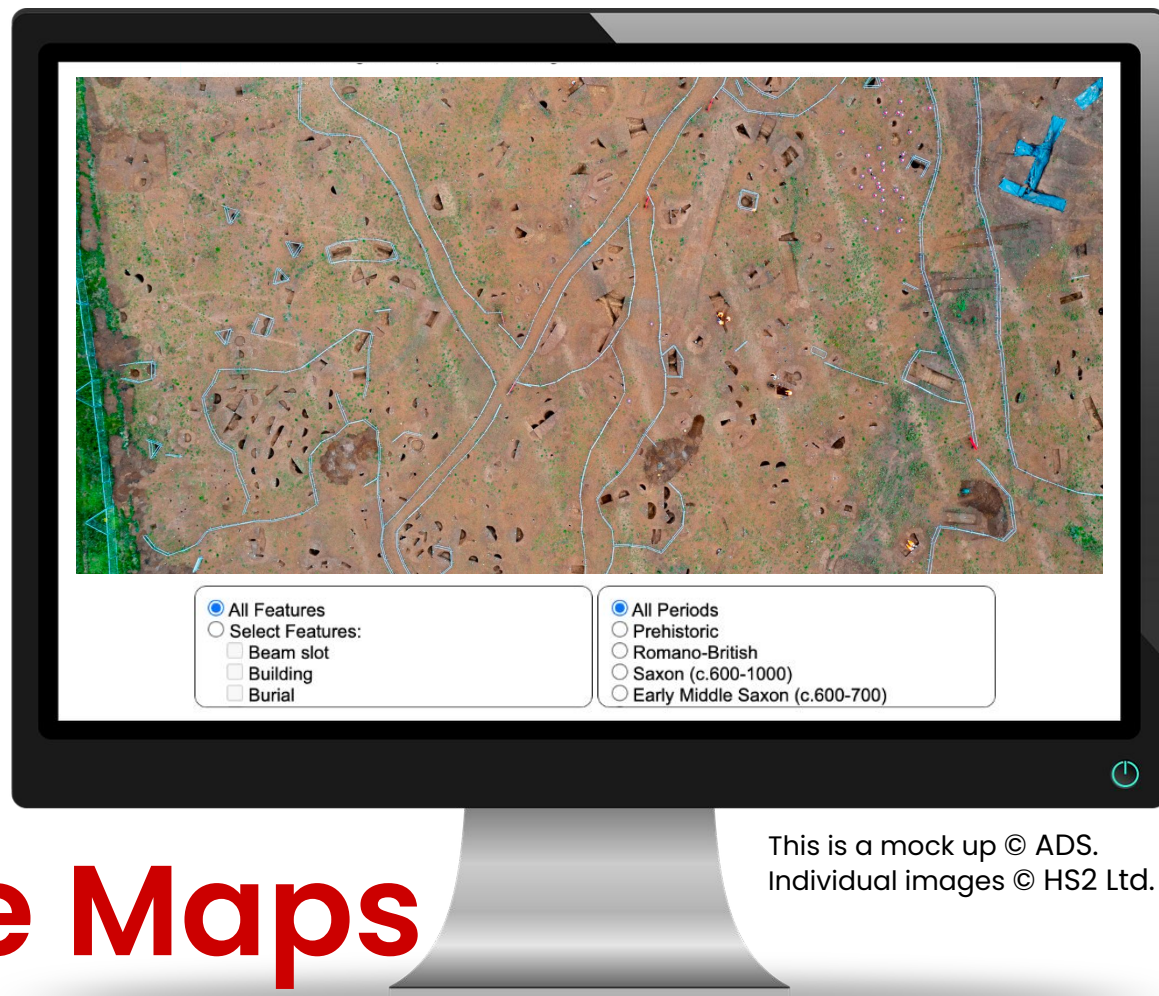
Major Site Type
--- select from list ---
Communications
Industry
Military

Minor Site Type
--- select from list ---
Isolated building
RC temple
agricultural building

This is a mock up © ADS.

Cross Collection Search

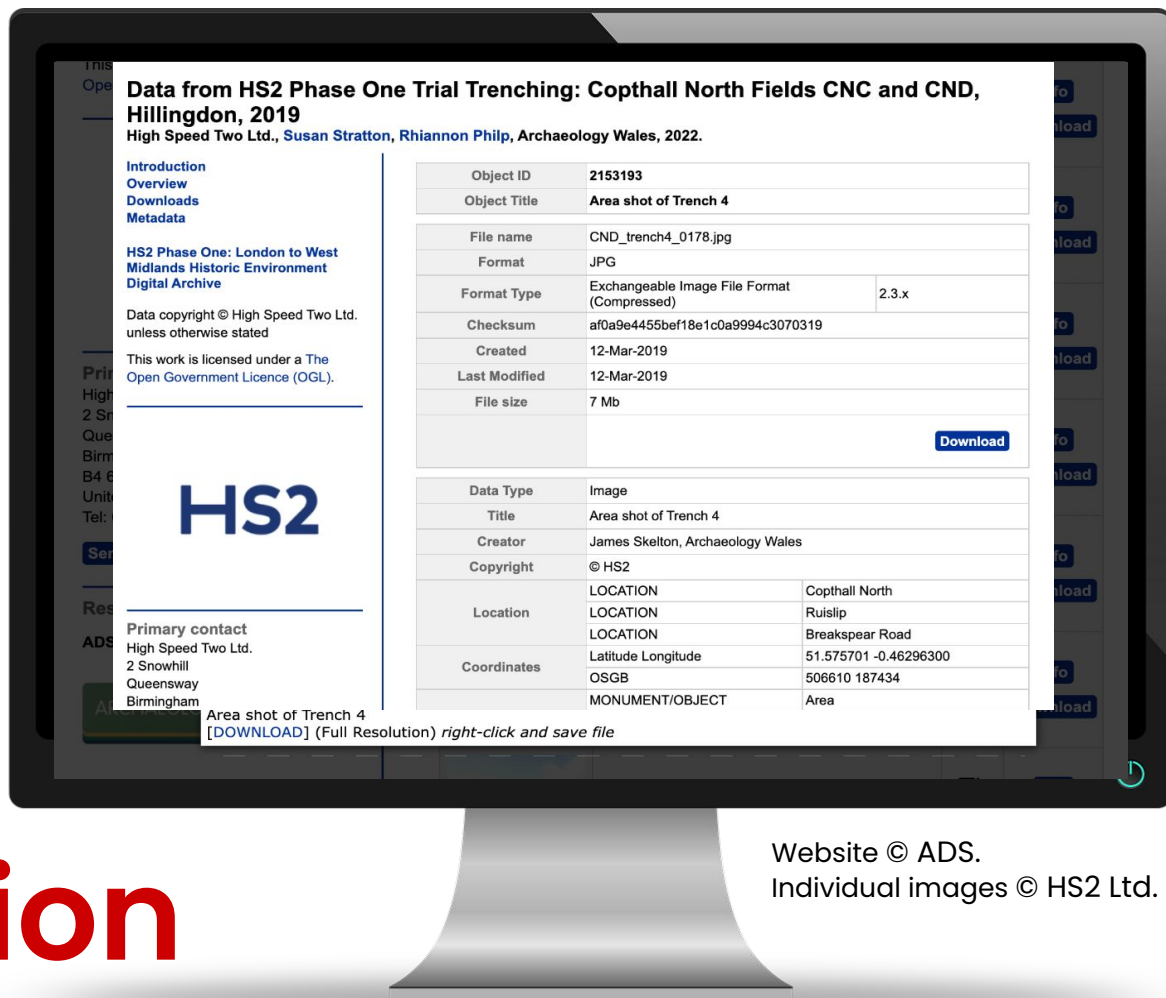




Interactive Maps

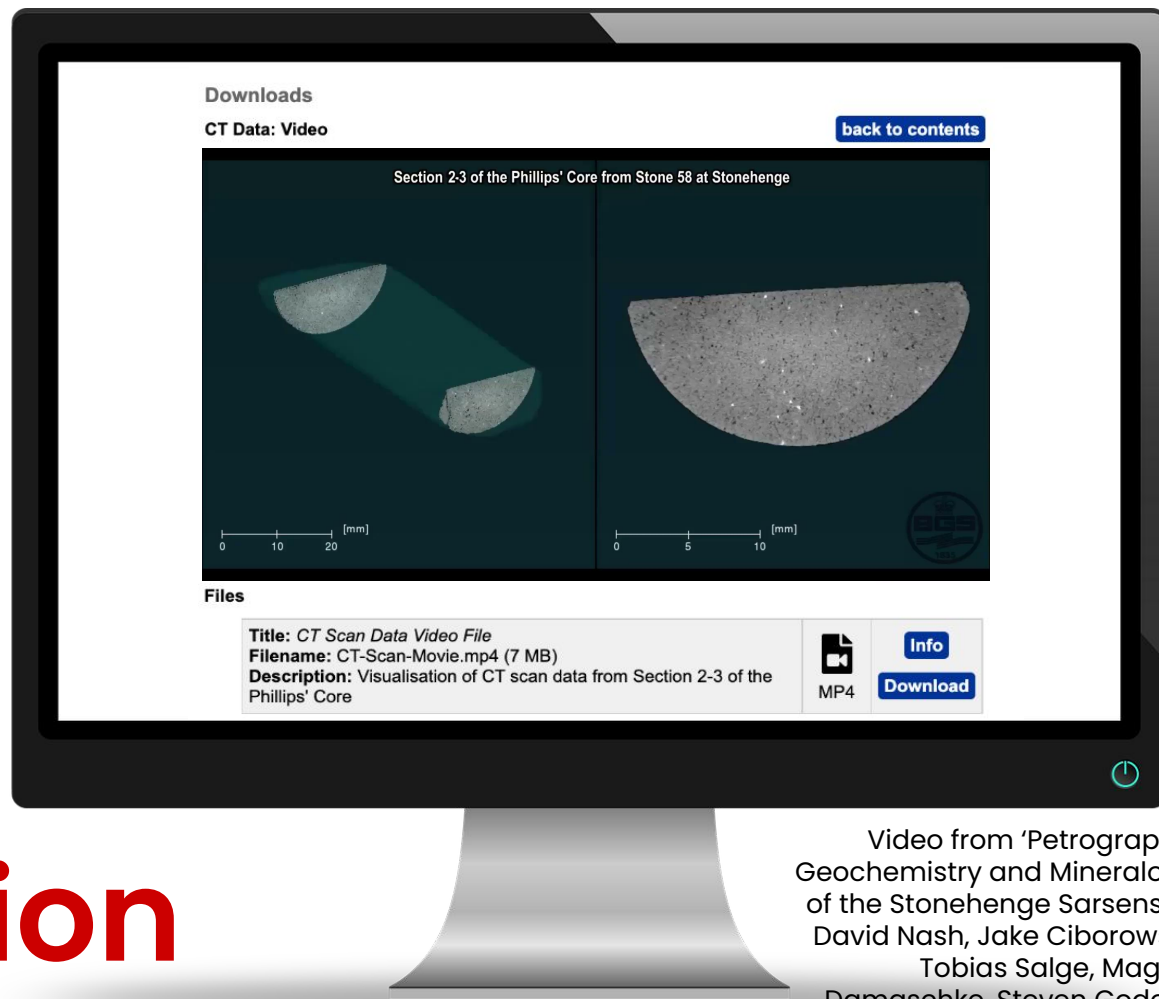
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Data Visualisation



Website © ADS.
Individual images © HS2 Ltd.

Data Visualisation



Video from 'Petrography,
Geochemistry and Mineralogy
of the Stonehenge Sarsens' ©
David Nash, Jake Ciborowski,
Tobias Salge, Magret
Damaschke, Steven Goderis

Data Visualisation

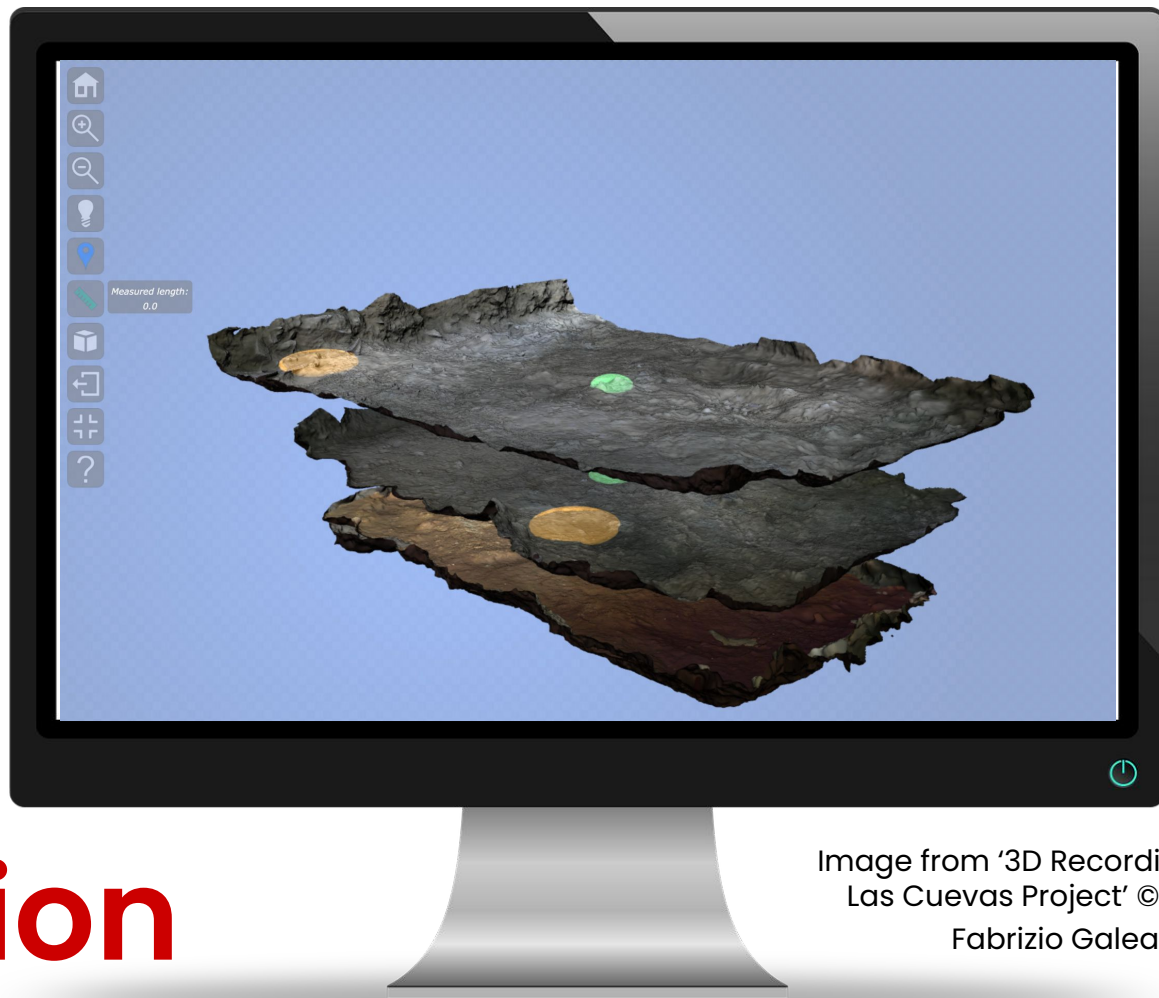
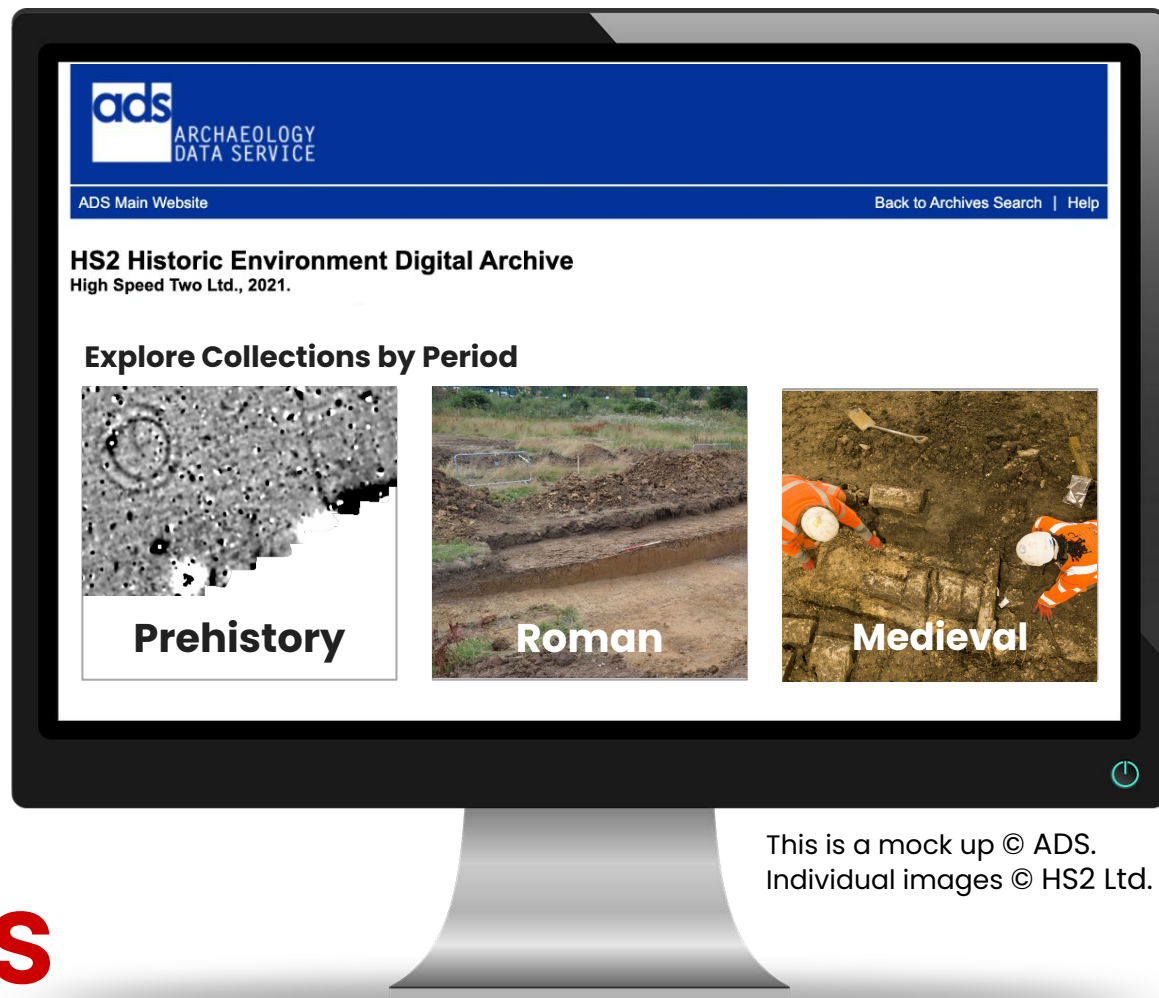
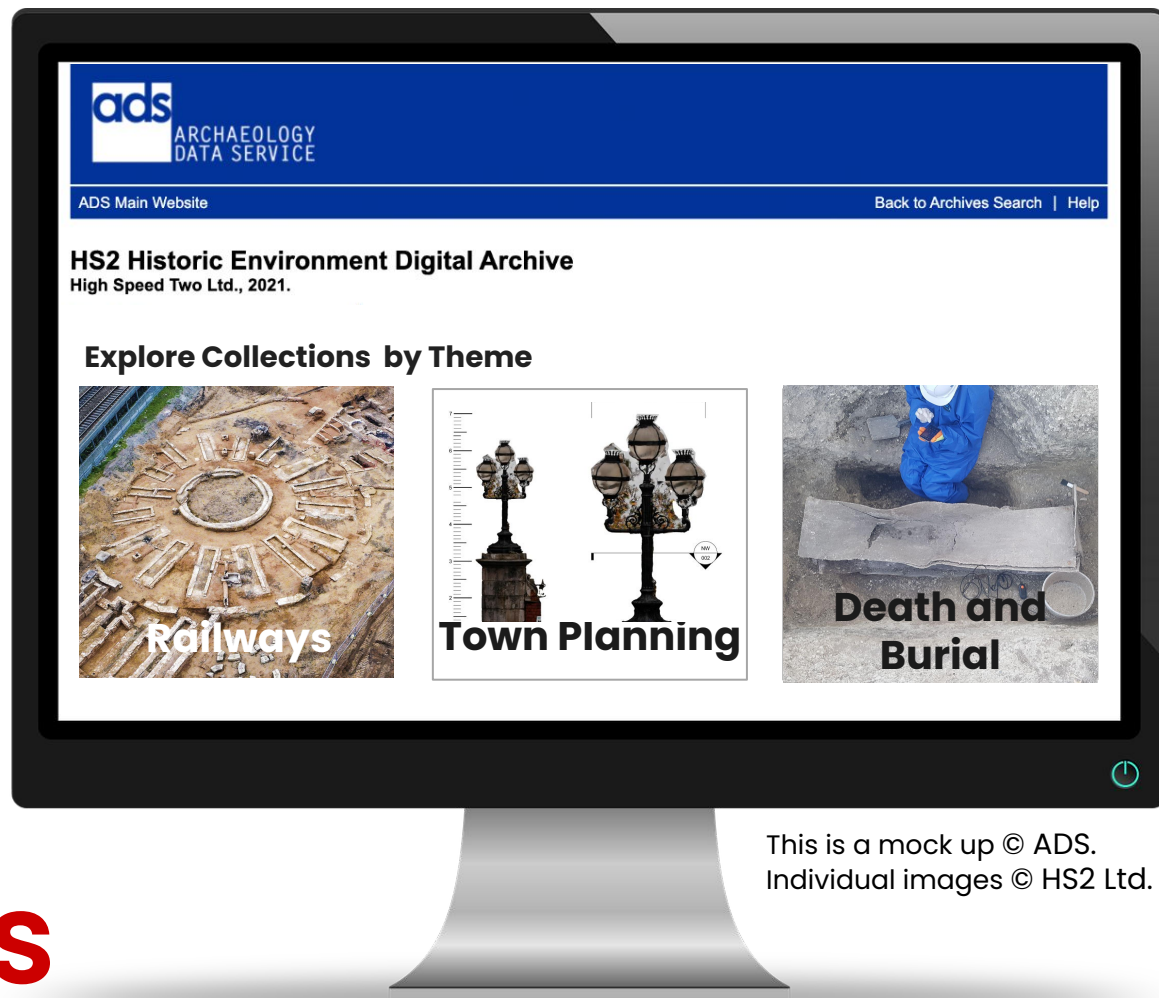


Image from '3D Recording
Las Cuevas Project' © Dr
Fabrizio Galeazzi.

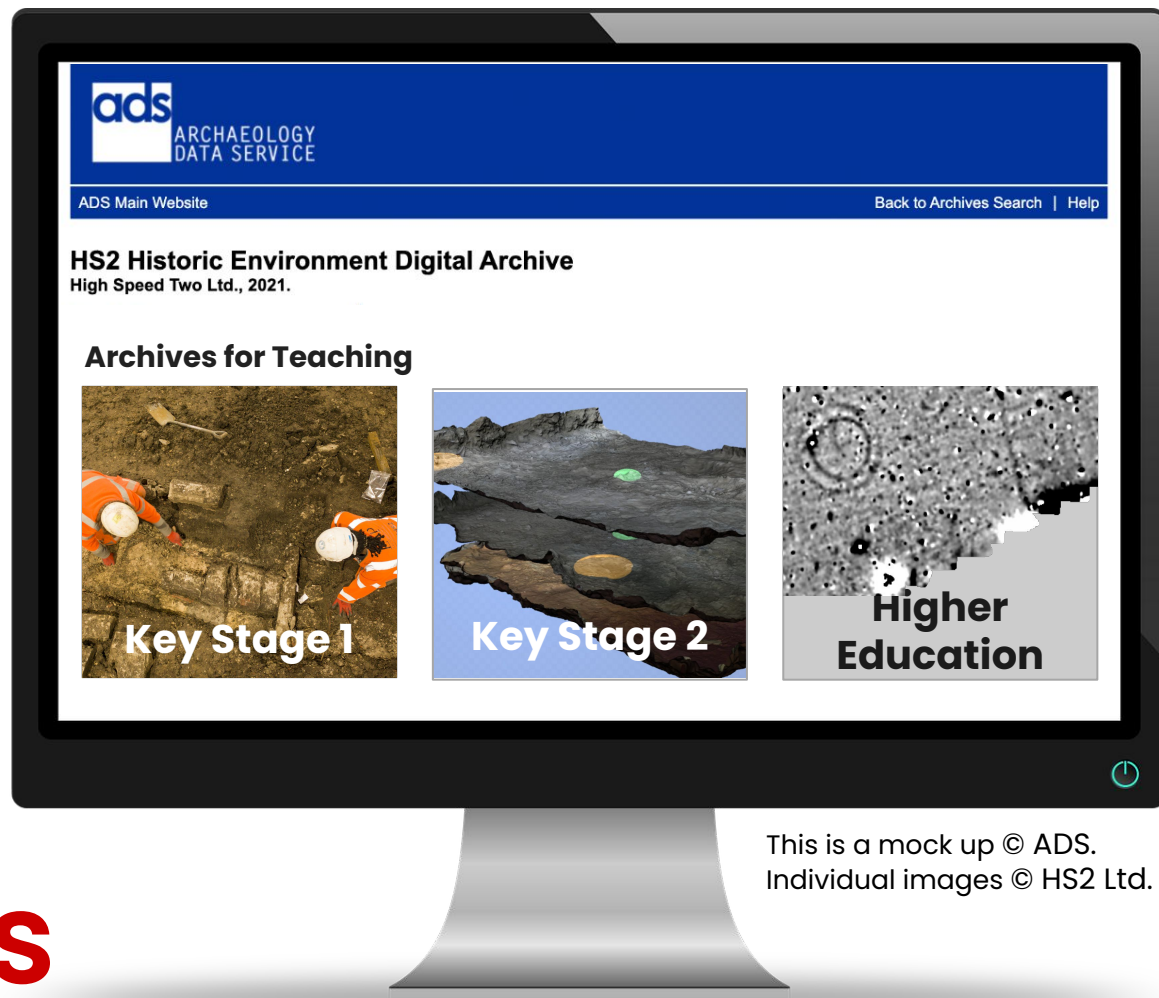
Curated Collections

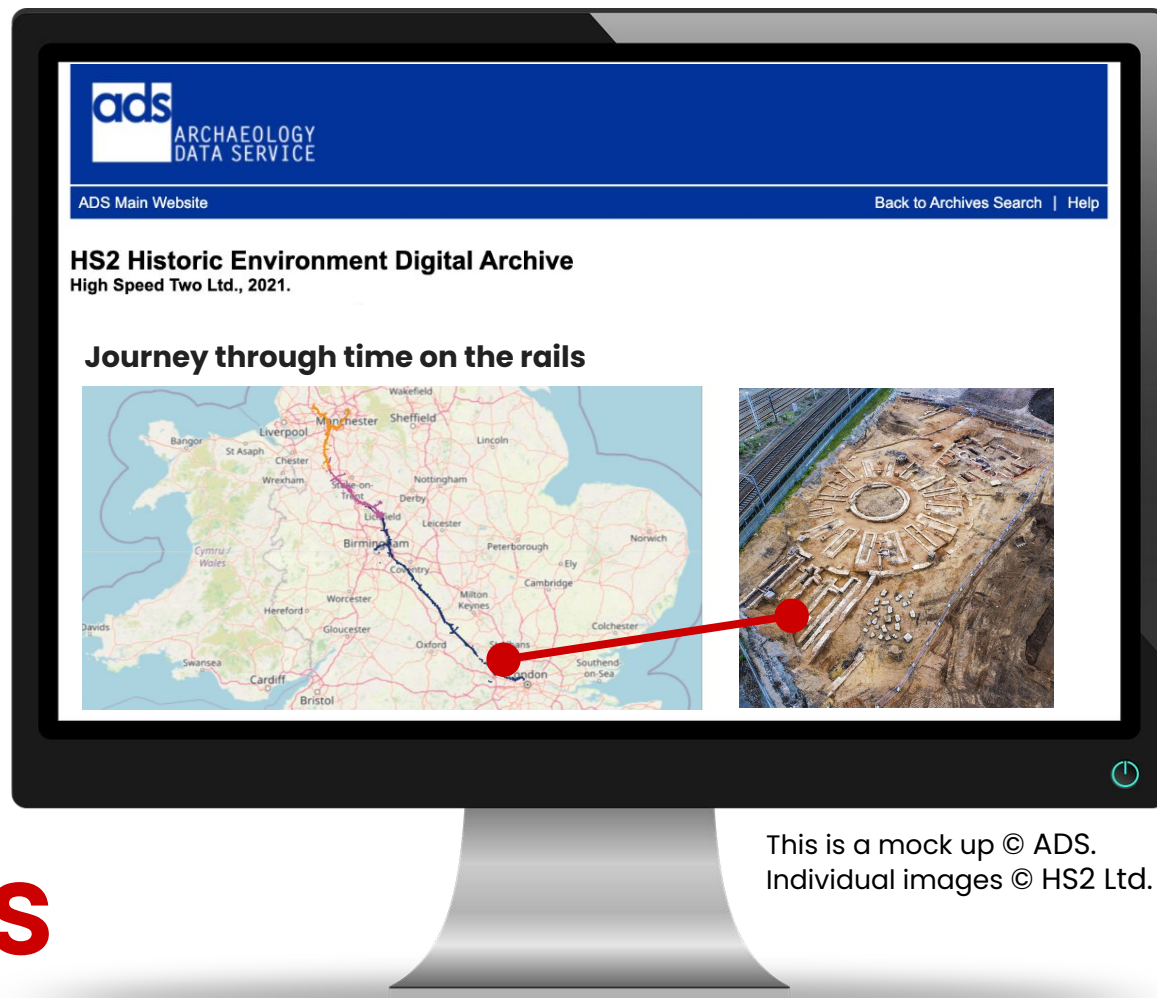


Curated Collections



Curated Collections

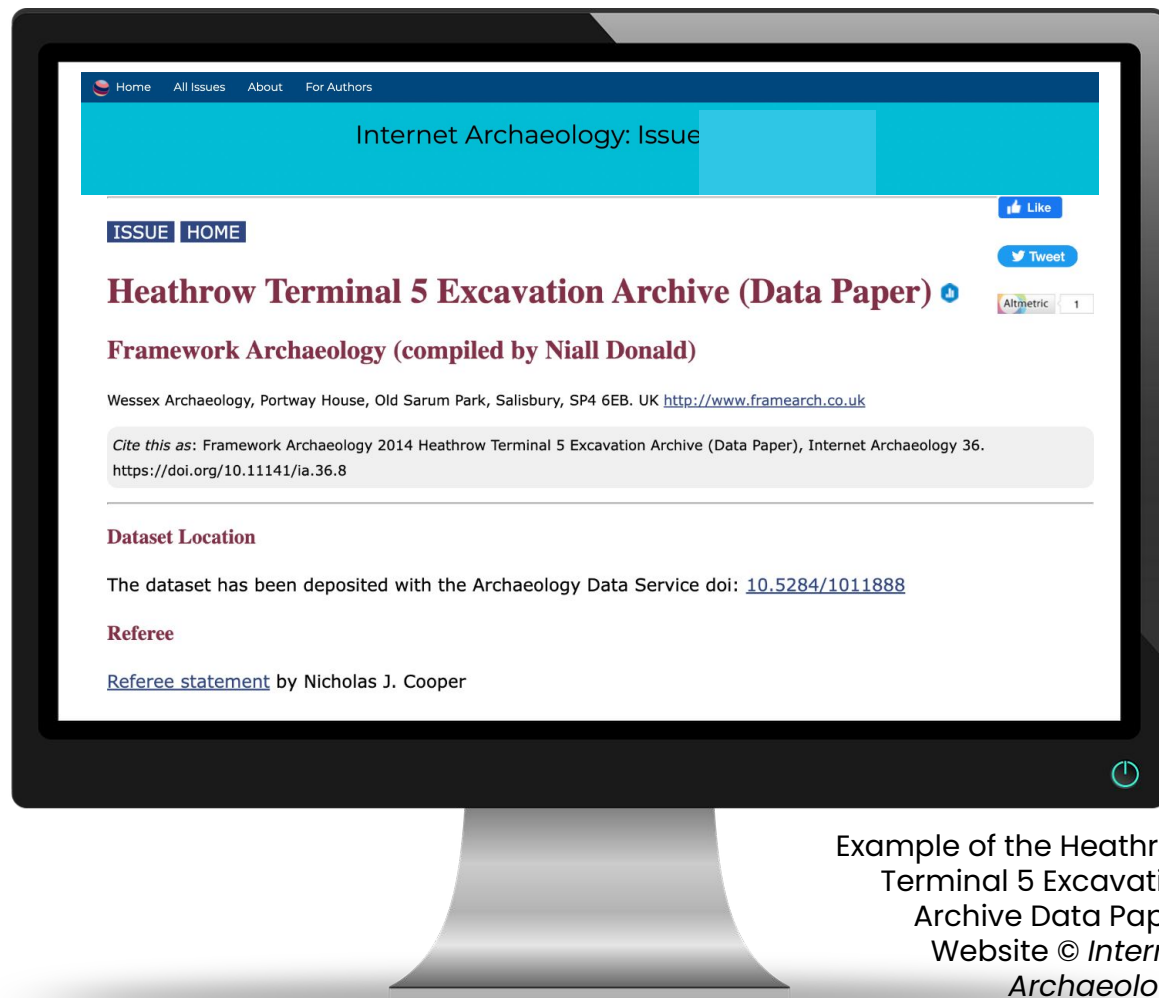




Story Maps

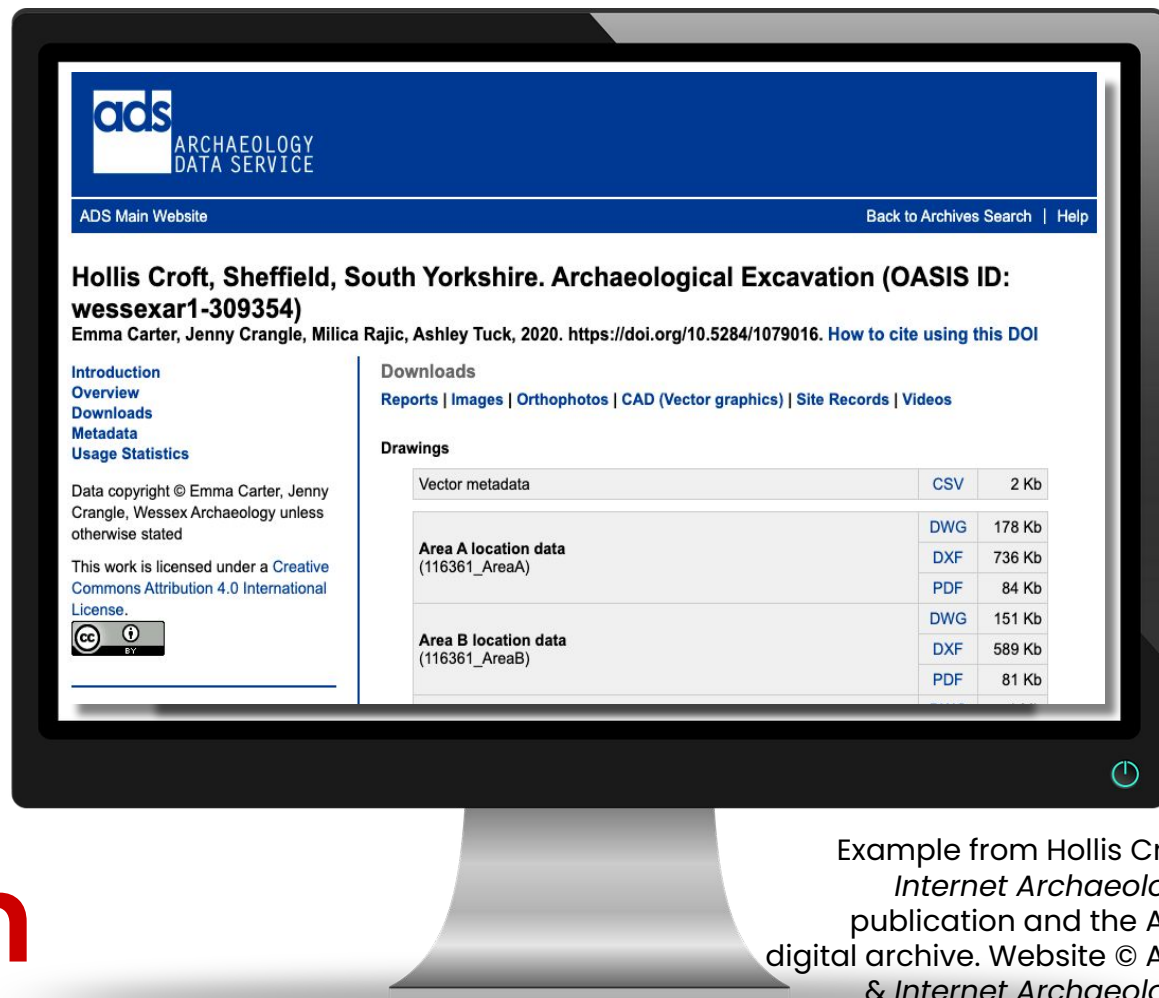
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Data Papers



Example of the Heathrow
Terminal 5 Excavation
Archive Data Paper.
Website © Internet
Archaeology.

Integrated Publication



Example from Hollis Croft
Internet Archaeology
publication and the ADS
digital archive. Website © ADS
& *Internet Archaeology*

Rajic, M. and Howarth,
D. 2021 *Hollis Croft. A
Matter of Time*,
Wessex Archaeology.
[https://doi.org/10.11141/
ia.56.4.comic](https://doi.org/10.11141/ia.56.4.comic)

Integrated Publication



Comic © Rajic, M. and
Howarth, D.



Integrated Publication

Comic © Rajic, M. and
Howarth, D.
Photo © Wessex
Archaeology.

In Conclusion...

- Aim to develop and archive that will benefit both researchers and the communities who live, work and play on the sites that we have investigated, developed and transformed.
- **But** this will only be possible through good data management and planning.





Archaeology
Data Service

Thank You



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