UKRI Arts and Humanities Research Council

hsds Heritage Science Data Service

Introducing the Heritage Science Data Service

Julian Richards
Director

RICHeS RESEARCH INFRASTRUCTURE FOR CONSERVATION AND HERITAGE SCIENCE

RICHeS is the UK's Research Infrastructure for Conservation and Heritage Science

The RICHeS programme will unlock access to heritage science facilities by creating a distributed infrastructure of heritage science collections and equipment.

We will fund the development of a heritage science data service to enable researchers and other users to find and access facilities, reference collections and research data relating to heritage science research.

We will also create a dedicated RICHeS headquarters to encourage cooperation, networking and skills sharing.

£80 million commitment

31 funded projects

1 Heritage Science Data Service

144 project partners

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2023 RICHeS funding calls

2023

1. Host **collections** as part of our heritage science infrastructure
2. Host **facilities** as part of our heritage science infrastructure
3. Develop **Digital Research Services** for Heritage Science Research

Tranche 1 – collections

Learn more about the 13 host collections we've funded as part of our heritage science infrastructure.

Tranche 1 – facilities

We've funded 17 host facilities for heritage science.

2024

Heritage Science Data Service (HSDS)

The HSDS aims to establish core digital research services that will transform heritage science and conservation research within the UK.

https://www.riches.ukri.org/

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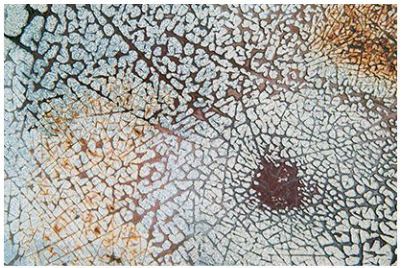
The HSDS is central to the RICHeS programme

It provides:

- A catalogue of research facilities and services
- A catalogue of data and reference collections, with an aggregating function, making data collections navigable and searchable
- A FAIR repository for research data, encouraging Access and Re-use
- A suite of Virtual Research Environments and software tools to allow researchers to visualise and analyse data



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Vacancy
Collections Development Manager

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Data Standards Officer

Grace McCulloch
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Digital Archives Assistant

Lydia Mayfield
Finance & Administration Assistant

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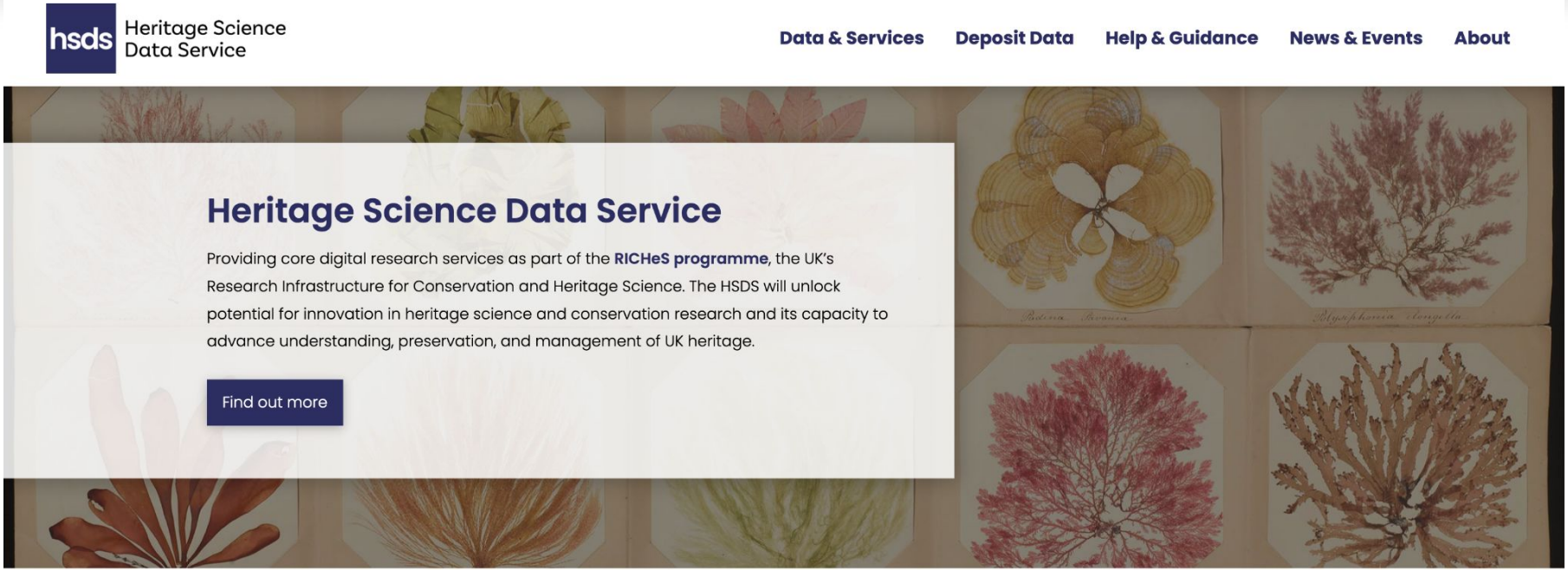

hsds.ac.uk

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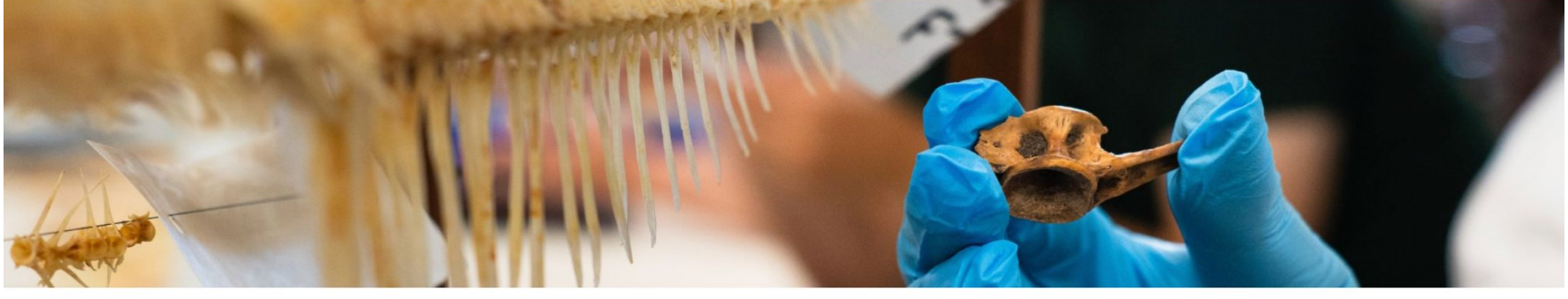
Deposit Data



> **Deposit Data**
Deposit Agreement
Small Grants Programme

All research data arising from the non-private use of the Research Infrastructure for Conservation and Heritage Science (RICHeS) equipment and facilities **must** be deposited in a trusted digital repository and made available for re-use.

The HSDS is the **default repository,** and there will be **no charge** for deposit with HSDS of any data arising from the use of RICHeS-funded Facilities and Collections, where such usage:

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Search catalogues

Explore our catalogues of heritage science and conservation research data and services.

Data Catalogue

Search our extensive collection of freely available heritage science and conservation research data and metadata records.

Search the catalogue →

Catalogue of Services

Search this catalogue to discover research facilities and services. Apply for funding to make these resources accessible to you.

Search the catalogue →

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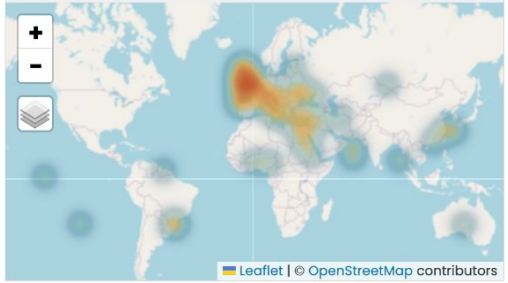
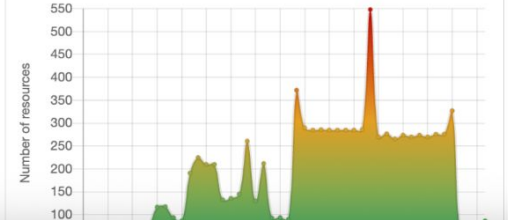
Filters

All fields | Search resources...

Where — Advanced Search



When — Advanced Search



Results

Time: 0.45s. Total: 9,791. Page: 1 / 490

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page 3

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Data from a Building Survey at Bucks Head Farm, Hints, Lichfield, Staffordshire, 2021-2023 (HS2 Phase One)

This collection includes site photographs, 3D data, vector data and an archive decision record carried out by COPA/Cotswold Archaeology at Bucks Head Farm, Hints, Lichfield, Staffordshire during February 2021...

Resource Type: Building survey, Fieldwork archive
Place: England, World, europe, united kingdom, england, staffordshire, lichfield
Publisher: Archaeology Data Service
Original Subject: Agricultural building, Archaeology, Barn, Building, Building recording
Issued: 2025-09-05

Data from Archaeological Recording at Former Curzon Street Station Yard, Birmingham, West Midlands, 2020-2023 (HS2 Phase One)

This collection comprises of digital photographs, 3D models, CAD files, site records, and reports from archaeological recording at the former Curzon Street Station Yard carried out by MOLA Headland Infrastructure...

Resource Type: Fieldwork archive
Place: England, World, europe, united kingdom, england, west midlands, birmingham
Publisher: Archaeology Data Service
Original Subject: Brick, Ceramic, Excavation, Excavations (archaeology)--england, Heritage science
Issued: 2025-09-01

Data from an Archaeological Recording at Hunts Green Farm, Chiltern, Buckinghamshire, 2021-2022 (HS2

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Sector data supplying partners:

- The National Gallery
- The British Museum
- Natural History Museum
- The National Archives
- British Geological Survey
- Historic England
- Historic Environment Scotland
- National Museum of Wales

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Asset Types

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Reset filters

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A national mobile and fixed laboratory for collections, historic buildings and sites

View service

English Heritage

Climate change poses significant challenges for the preservation of cultural heritage. Changing environmental conditions accelerate the deterioration of many materials and the sector faces a major challenge to improve sustainability. The laboratory has a range of fixed and mobile equipment and expertise to study; Historic and cultural heritage building performance. The heritage sector is a significant carbon...

Techniques: External reflection mid near-FT-IR FTIR Field emission scanning electron microscope (FE-SEM) + 6 more

AEONS - Archaeology and the Environment Science Facility

View service

University of the Highlands and Islands

Techniques: Mollusc or Insect Identification Optical or light microscopy Plant Macrofossil

Tools: Brot Multiplate Grinder Dino-Lite Portable Microscopes Insect Sieves + 6 more

Accessing modern and contemporary art materials research

View service

Tate

The project aims to enhance the Tate's scientific capabilities with new fixed and portable laboratory equipment and expanded access to

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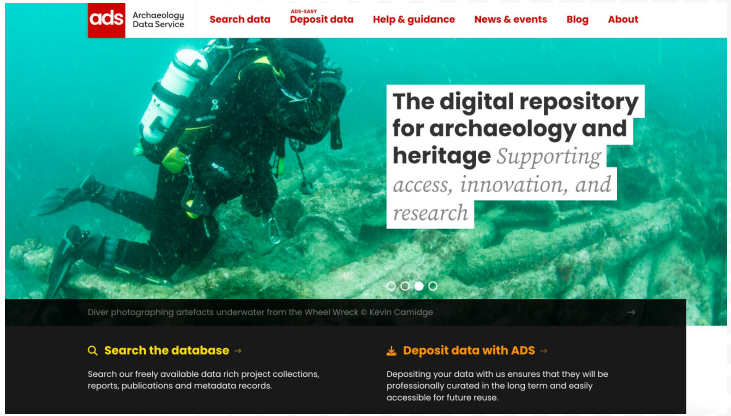
ads Archaeology Data Service

CORE TRUST SEAL

A FAIR repository for research data, encouraging Access and Re-use - managed by ADS

All RICHeS facilities and all users of those facilities in receipt of Access funding are required to deposit data with the HSDS

- University of York 1996 – present
- National UK digital research infrastructure
- Trusted Digital Repository
  - CoreTrustSeal accreditation
  - TNA Archive accreditation



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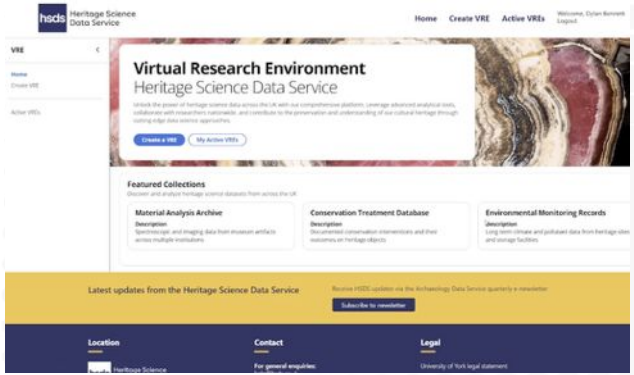
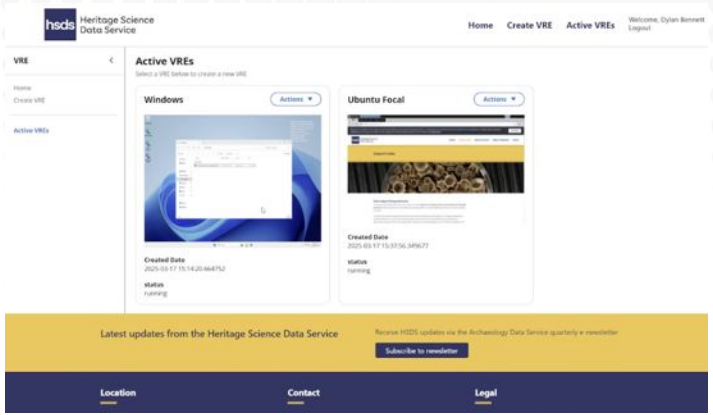
UKRI Science and Technology Facilities Council

Hartree Centre

A suite of Virtual Research Environments and software tools to allow researchers to visualise and analyse data





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Training

The HSDS training team are developing sessions in data management and digital preservation

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Thanks for listening

help@hsds.ac.uk

"Unlocking potential for innovation."

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