



Archaeology
Data Service

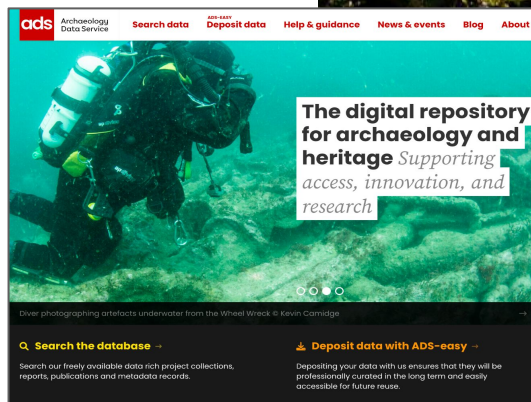
HS2

Metadata for Discovery: Planning for an Information Network

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



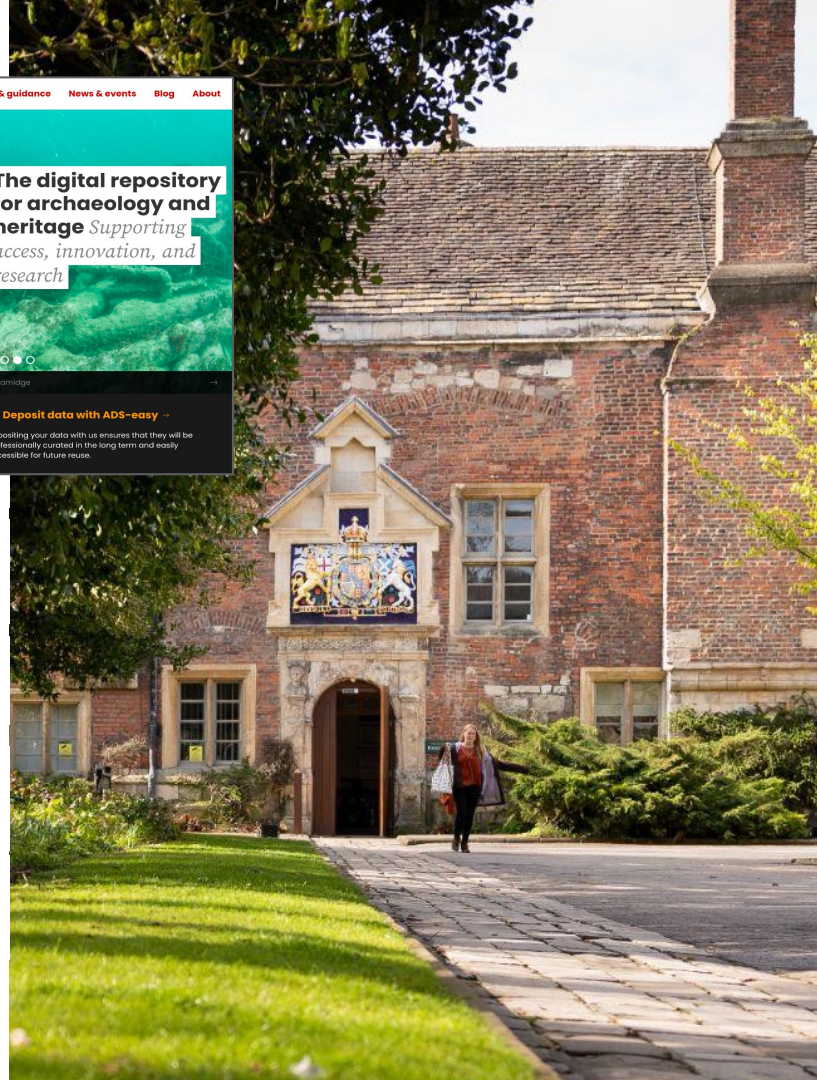
Archaeology Data Service



Website © ADS

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

Image © University of York



High Speed 2

15+ TB of data to be submitted

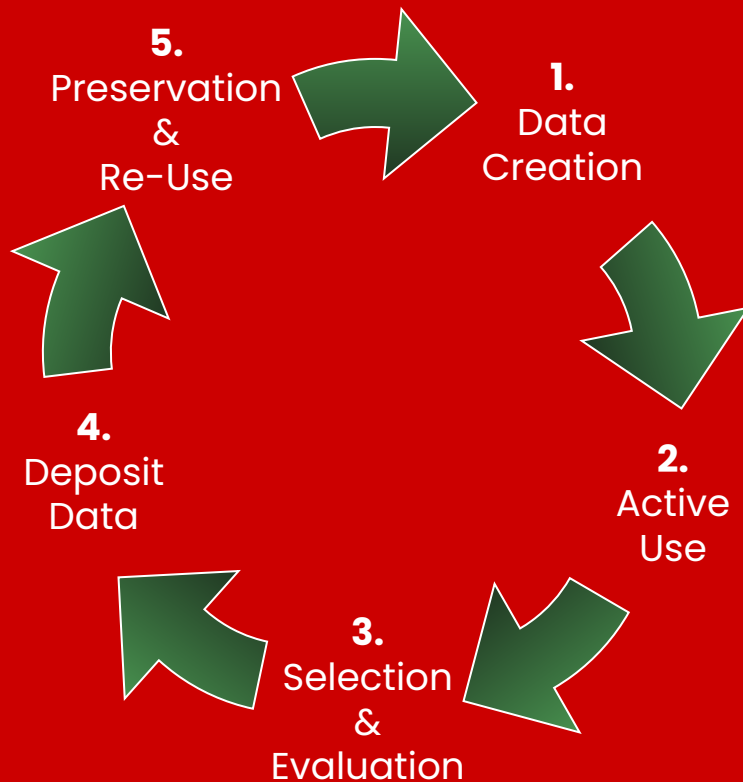
LIDAR, Laser Scans, Photogrammetry, Video,
RTI, Databases, CT Scans, X Ray, Documents,
Photographs, Geophysics, GPR, Spreadsheets,
CAD, GIS, Scientific data.....

ADS deposits 2021-2022

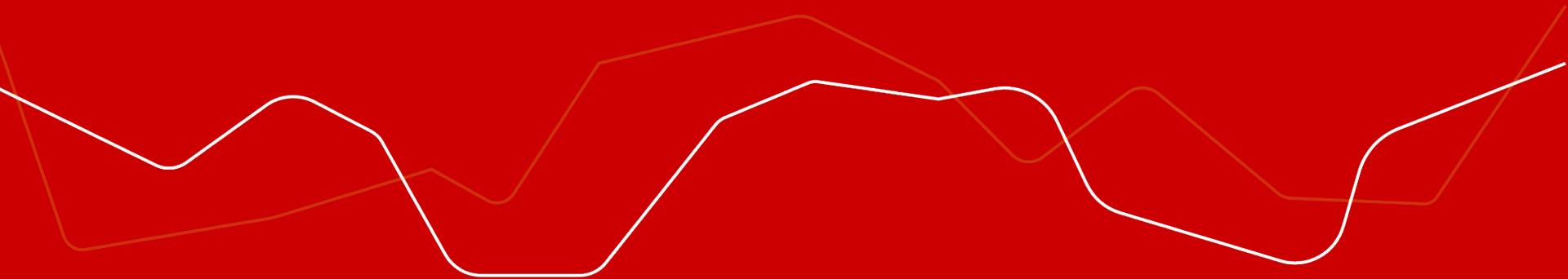
- 622 total archives submitted
- 180 HS2 archives



Data Cycles & HS2



Collaborating from the start



1.
Data
Creation



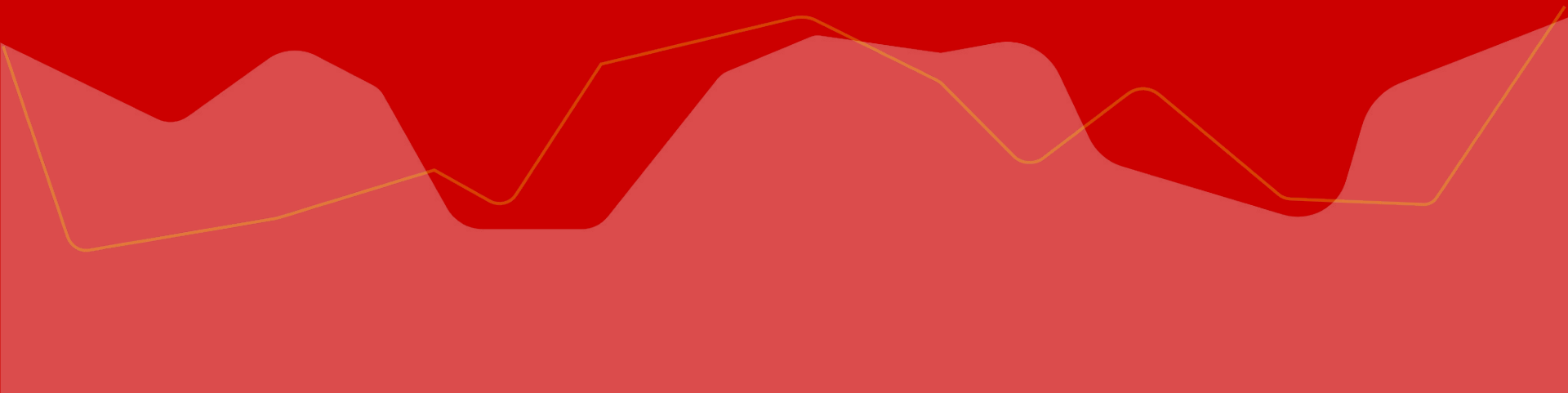
Data lifecycle

"The single most useful thing you can do to ensure the long-term preservation of your data is to plan for it to be re-used. Imagining it being reused by someone else who has never met you and who never will meet you, will cause you to approach the creation and design of your data in a new light.

Moreover, studies show that re-use of data is the single surest way of maintaining the integrity of data and tracking errors and problems with it. In short, always plan for re-use"

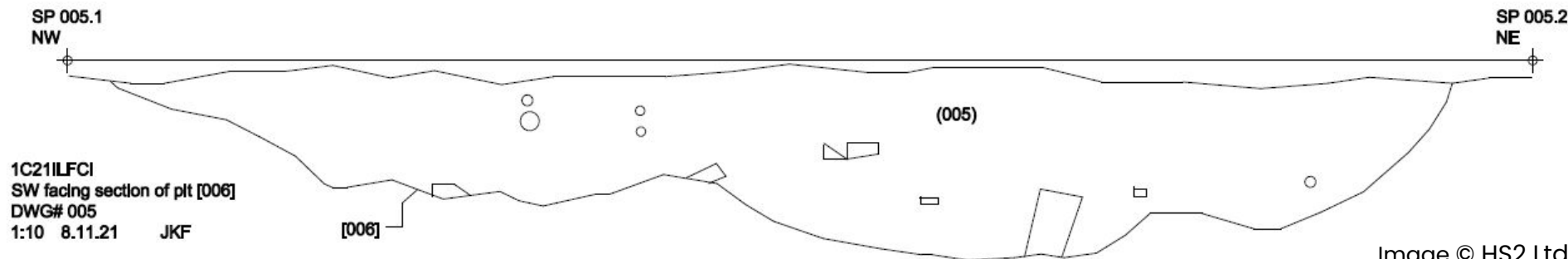
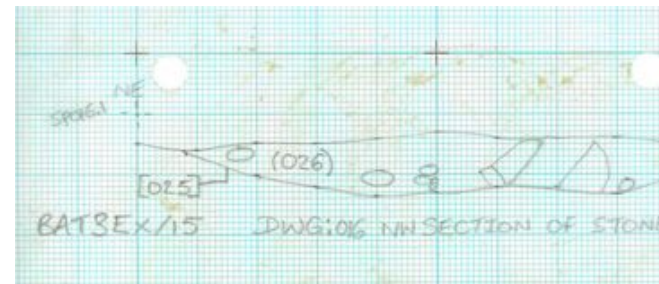
Prof. Julian Richards, Director ADS.

What are our limitations?



We have to be realistic

- Data must be usable and practical for the active use of the project
- What works for project may not work for archiving
- We don't know how much of our data goes into the creation or active use of archaeological field work or otherwise in the UK





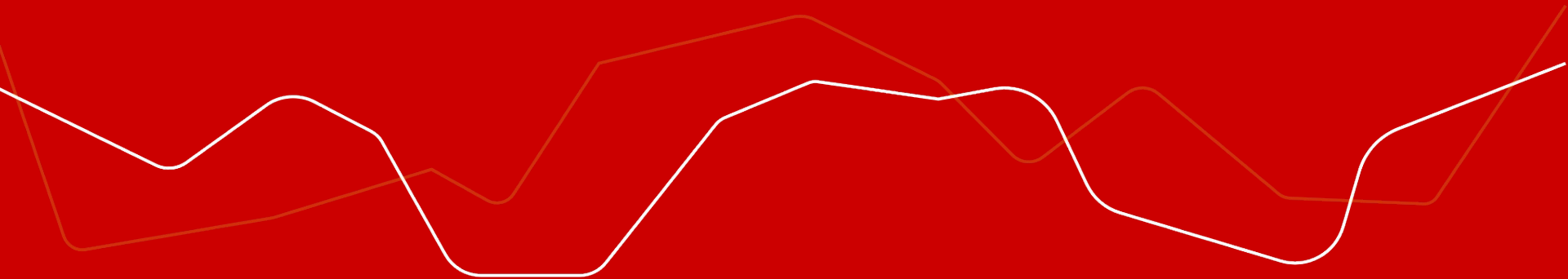
3. Selection & Evaluation

ADS Limitations: preserves other people's data

- Metadata creation is difficult if not planned out from the start.
- The amount of digital objects the ADS preserves and curates needs to remain within the practical limits of the resources available to the repository.
- A collection is only as good as the data and metadata that is deposited.

Metadata Template Type	Included in Archive	Not included in Archive
Matrix		x
Matrix		x
Spreadsheet		x
Spreadsheet		x
Text	x	
Text	x	
Text	x	

Practical Metadata



Metadata

Collection: Data from HS2 Phase One Building
Survey: 14-15 Melton Street, Camden, 2018-2020

Title: ROOM G1 STAIRCASE

File name: 1S19EUEBS_017721083.jpg

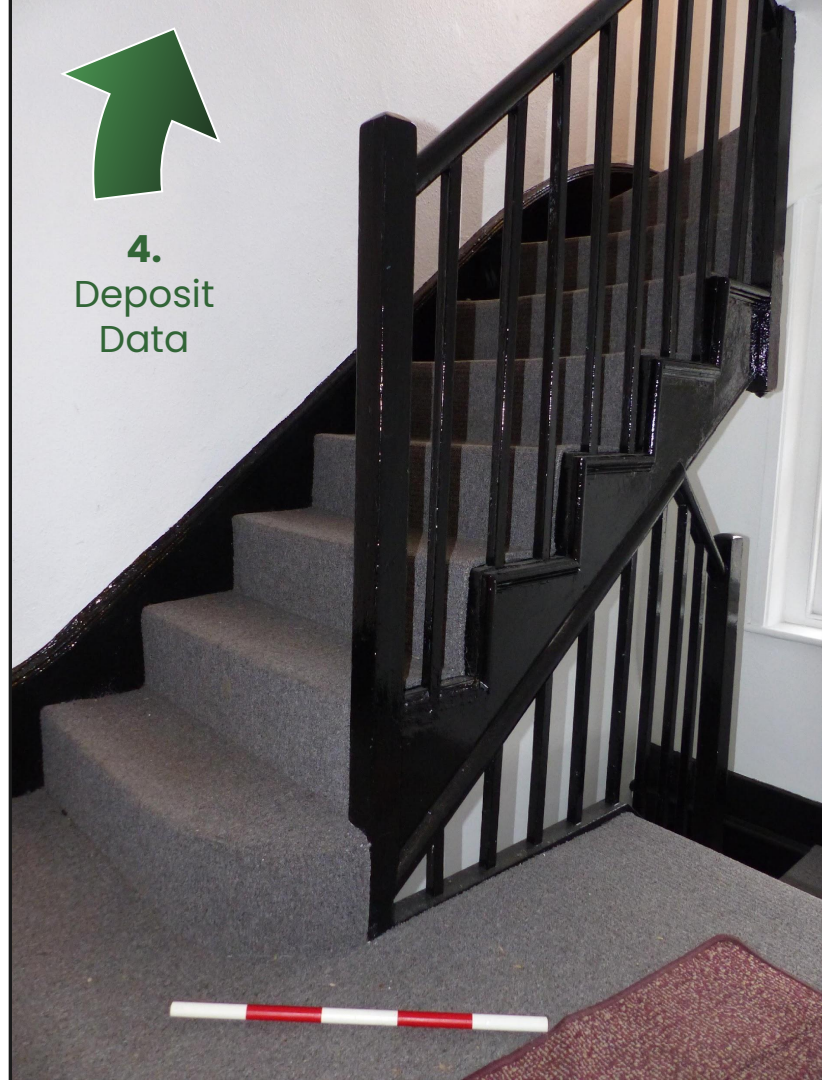
Created: 2018-05-30

Copyright/ Creator: HS2/MOLA Headland
Infrastructure

Coordinates: OSGB 529471E 182597N

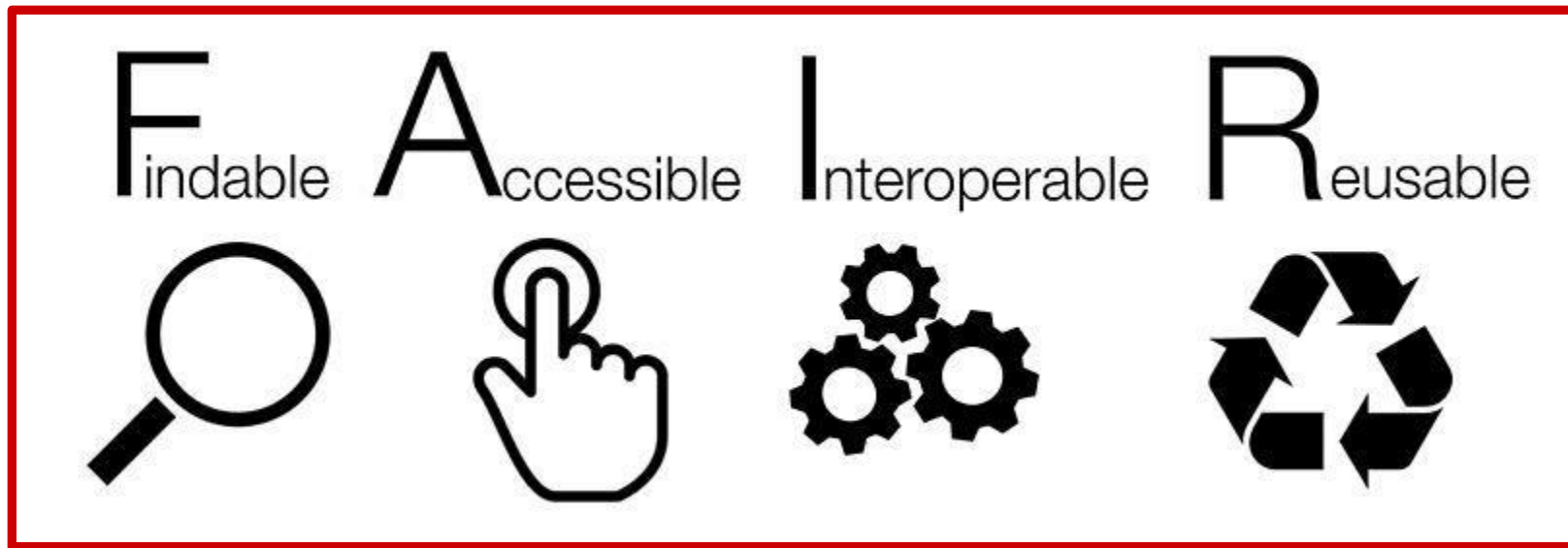
Subject/Period : Room, Photo / Post Medieval

Checksum: 7ae8cb9f379197dd449ee935c25f35f8

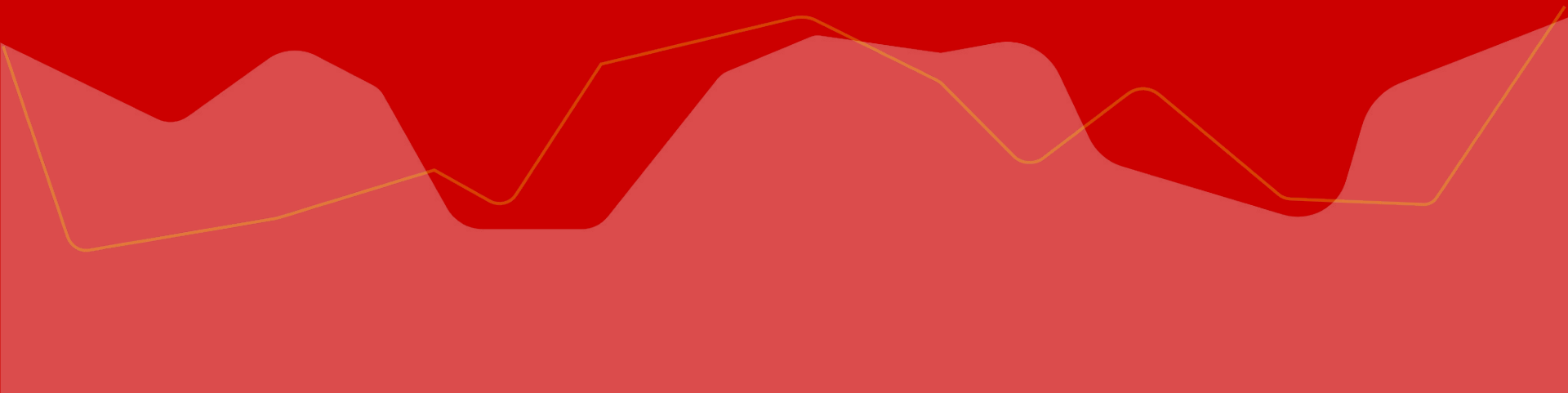




Keeping it FAIR, but keeping it simple



Innovation and Development



Metadata: from depositor to us

- Appraisal tools:
 - Assessing deposits;
 - Metadata comparison;
- Importing tools:
 - Metadata mapping
 - Deposit requirement checks



4.

Deposit
Data





Vocabulary Matching Tool

Source Vocabulary

(FISH Archaeological Objects Thesaurus) ?

Q brooch GO

Lamberton Moor Brooch

LANGTON DOWN BROOCH

LONG BROOCH

NAUHEIM DERIVATE BROOCH

PENANNULAR BROOCH

PLATE BROOCH

POLDEN HILL BROOCH

Rosette Brooch

SAUGER BROOCH

Simple One Piece Brooch

JEWELLERY → BROOCH

Brooch Spring Fibula

Ornament often with a hinged pin and catch, worn fastened to clothing.

ANNULAR BROOCH

BOW BROOCH

DRAGONESQUE BROOCH

LONG BROOCH

PENANNULAR BROOCH

PLATE BROOCH

Target Vocabulary

(Getty Art & Architecture Thesaurus) ?

Q brooch GO

bar brooches

bar pins

brooches

disc brooches

penannular brooches

ring brooches

pins (jewelry) → brooches

breastpins broaches (jewelry) brooch

Ornamental jewelry made in a variety of forms fastened by a pin. For decorative items, similar in appearance to a brooch, but attached to a garment with a spring fastening, use "clips (jewelry)."

Concept Matching

BROOCH

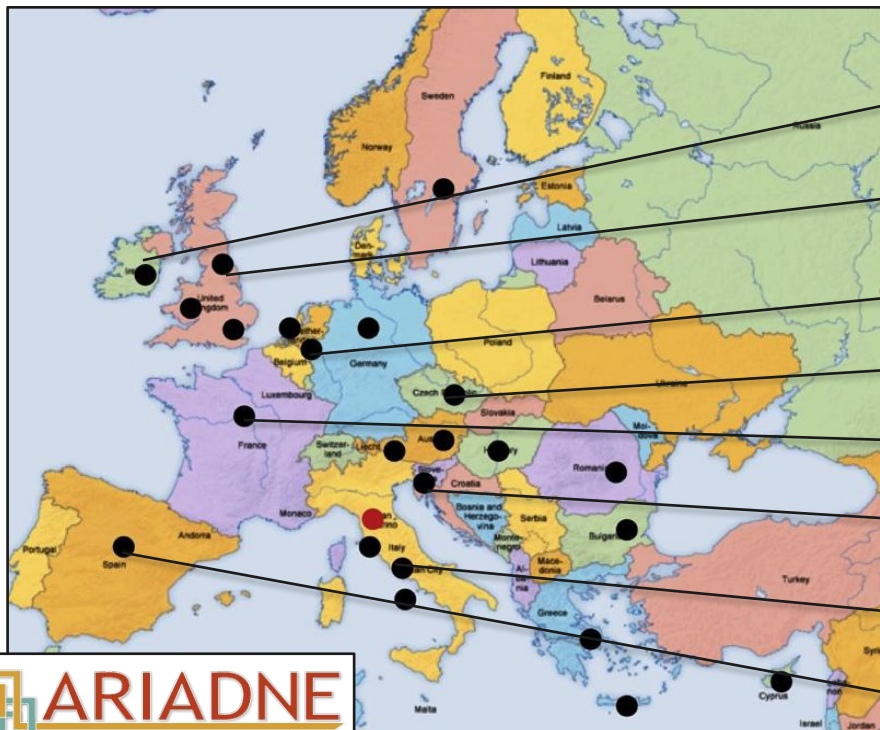
close match

brooches

ADD MATCH



Our metadata to the world



Archaeological Survey of Ireland, 141,000 records

ADS: 60,000 grey literature reports, over 2000
project archives; 1.4 million records

DANS – 40,000+ fieldwork reports and archives

ARUP (Czech Republic); 230,000 records

INRAP: 27,000 fieldwork reports

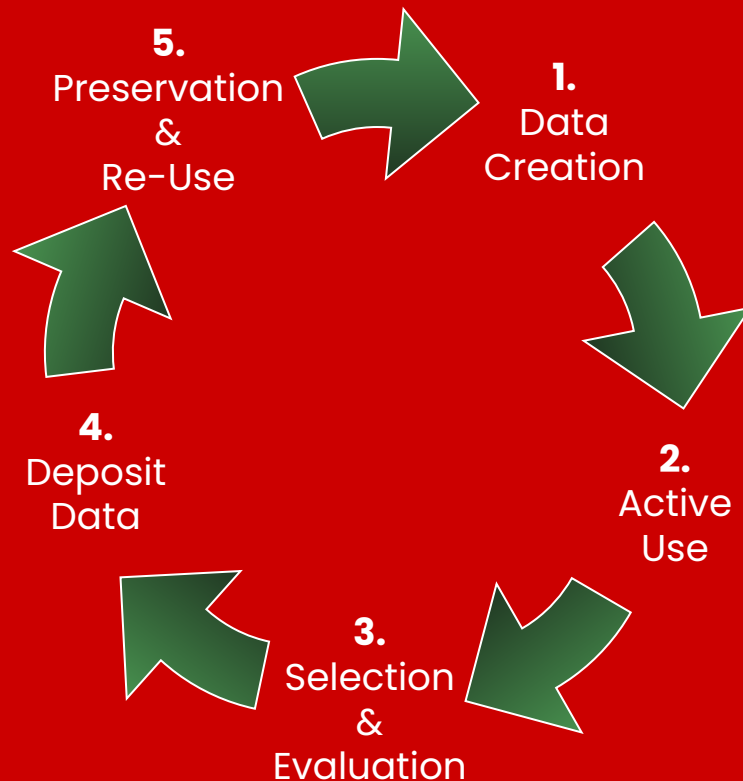
ZRC-SAZU (Slovenia), 11,000 site records

FASTI online: 12,000 excavation reports of 3300
sites in 14 countries

CENIEH: 1000 reports

HS2

**&
Beyond**



Thank you!



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