



RESEARCH TECHNIQUES WITHIN ARCHAEOLOGICAL SPECIALISMS

DISSEMINATION - REPORTING, COMMUNICATION, ARCHIVE AND DISPLAY

ARCHAEOLOGICAL RESEARCH METHODS (HPAR7004) TOPIC NOTES

15/12/2021

RESEARCH TECHNIQUES WITHIN ARCHAEOLOGICAL SPECIALISMS

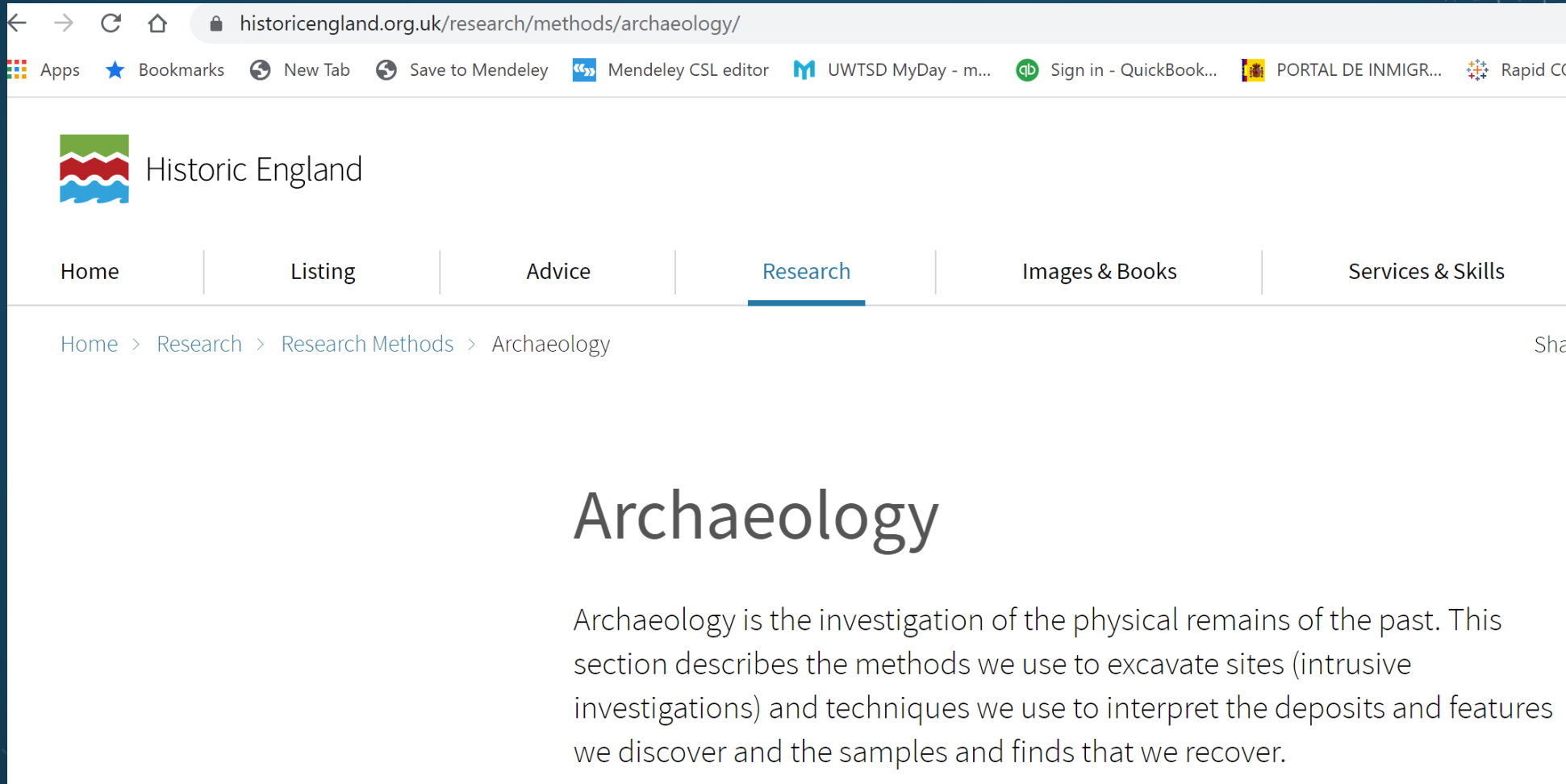
This can be approached from different perspectives:

If I want to develop a particular specialism, what research skills do I need to acquire?

If I want to work with specialists, how much do I need to understand these specialists' requirements?

Co-ordination of research teams – methods and sampling strategies

RESEARCH TECHNIQUES WITHIN ARCHAEOLOGICAL SPECIALISMS



The screenshot shows a web browser window with the URL historicengland.org.uk/research/methods/archaeology/. The browser's address bar and tabs are visible at the top. The Historic England logo is on the left, and a navigation menu is in the center. The 'Research' menu item is highlighted. Below the menu is a breadcrumb trail: Home > Research > Research Methods > Archaeology. The main content area features the title 'Archaeology' in a large font, followed by a paragraph explaining the field.

historicengland.org.uk/research/methods/archaeology/

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 Historic England

Home Listing Advice Research Images & Books Services & Skills

Home > Research > Research Methods > Archaeology

Archaeology

Archaeology is the investigation of the physical remains of the past. This section describes the methods we use to excavate sites (intrusive investigations) and techniques we use to interpret the deposits and features we discover and the samples and finds that we recover.



RESEARCH TECHNIQUES WITHIN ARCHAEOLOGICAL SPECIALISMS

Scientific Dating:

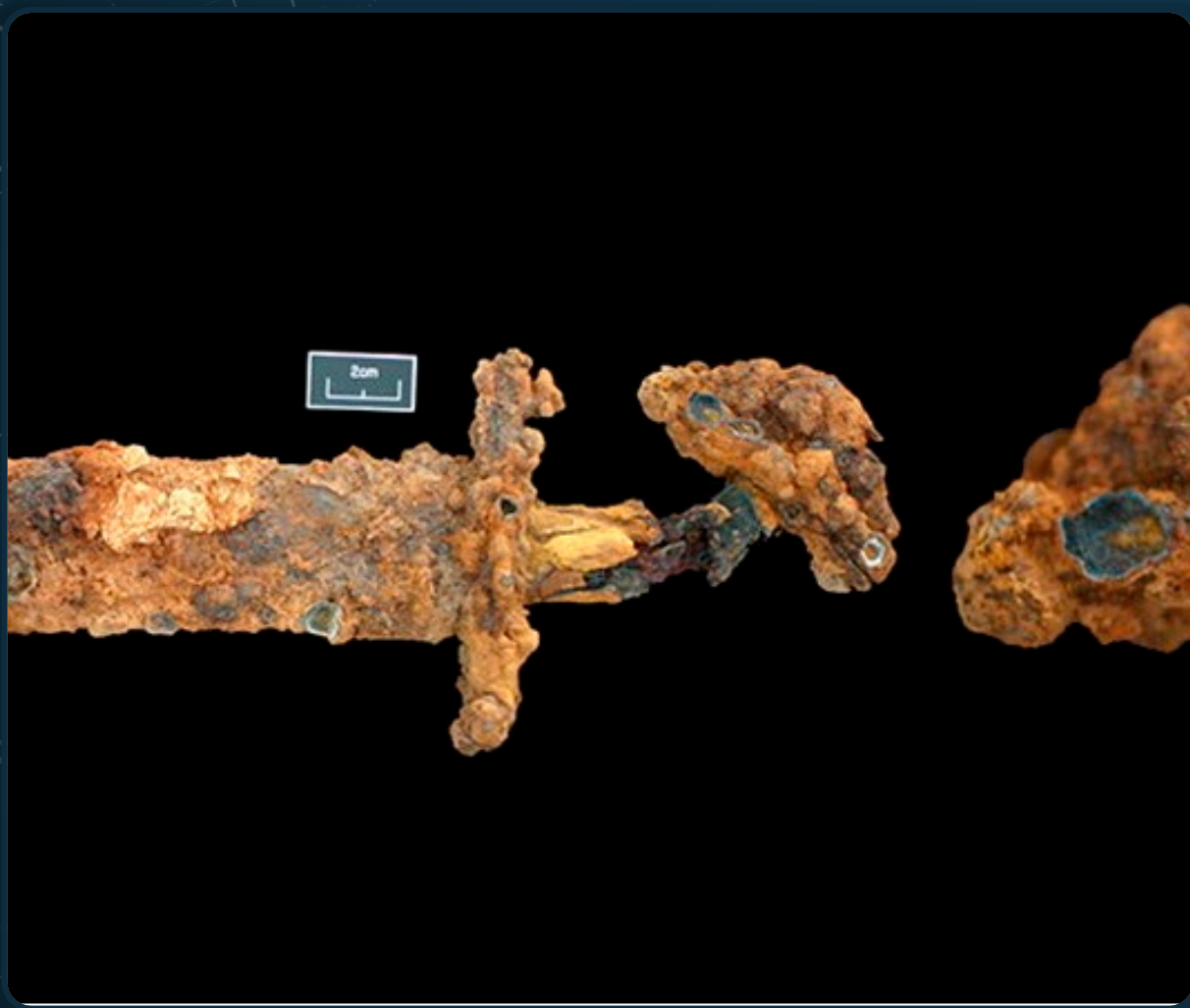
Dendrochronology

Radiocarbon Dating

Thermoluminescence

Optical Stimulated Luminescence

Isotopic Dating.....



RESEARCH TECHNIQUES WITHIN ARCHAEOLOGICAL SPECIALISMS

Archaeological Conservation:
Investigation
Stabilization
Display



RESEARCH TECHNIQUES WITHIN ARCHAEOLOGICAL SPECIALISMS

Materials Science & Industrial
Processes:

Pottery Production

Historic Industries

Organic Residue Analysis

Archaeometallurgy

Glassworking



RESEARCH TECHNIQUES WITHIN ARCHAEOLOGICAL SPECIALISMS

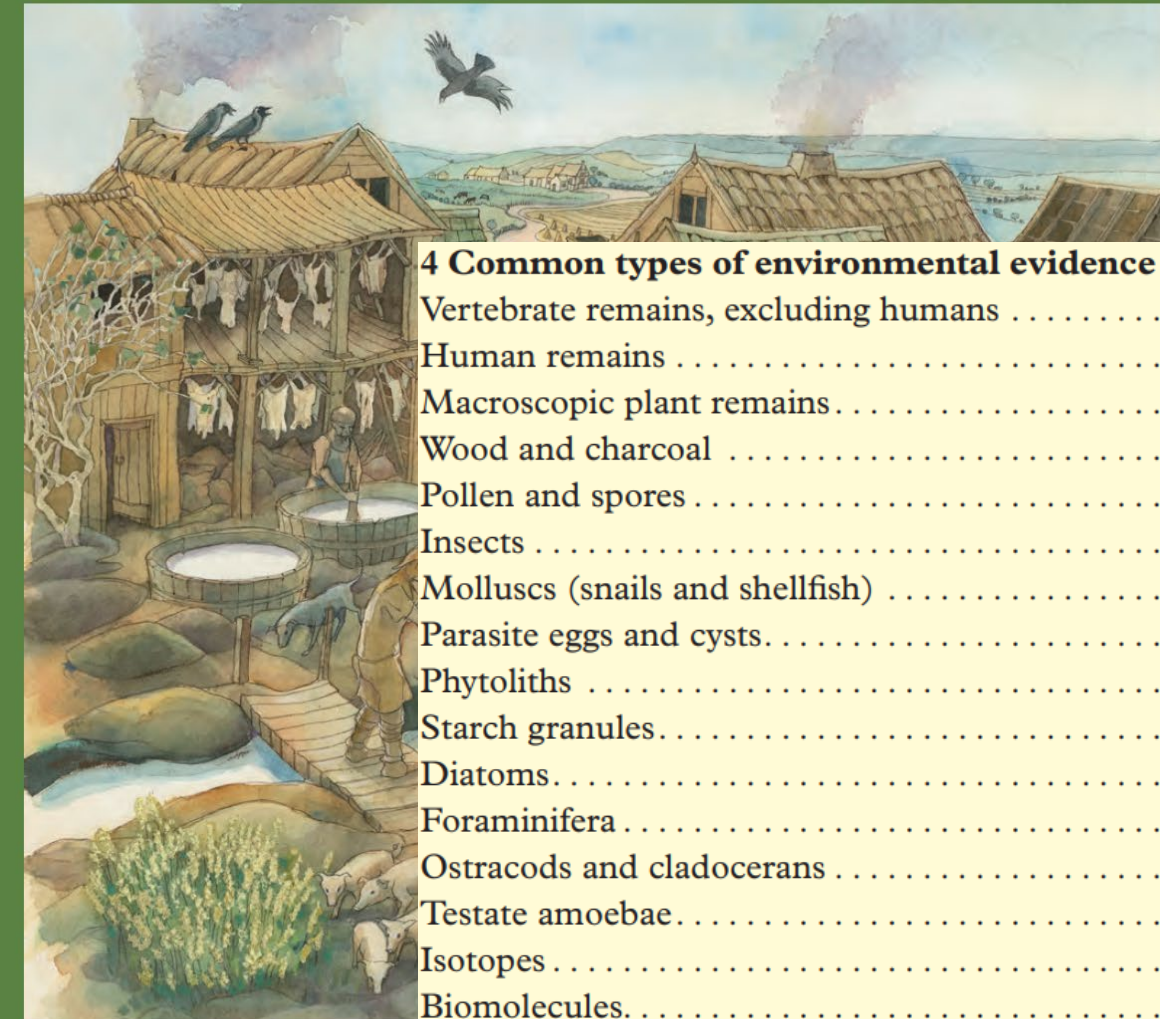
Zooarchaeology:

Reference Collections

International Council for
Archaeozoology (ICAZ)

Environmental Archaeology

A Guide to the Theory and Practice of Methods, from Sampling and Recovery to Post-excavation (second edition)



4 Common types of environmental evidence	15
Vertebrate remains, excluding humans	15
Human remains	16
Macroscopic plant remains	17
Wood and charcoal	19
Pollen and spores	20
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Molluscs (snails and shellfish)	22
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RESEARCH TECHNIQUES WITHIN ARCHAEOLOGICAL SPECIALISMS

Environmental Archaeologists:

Pollen

Plant Macrofossils

Archaeobotany

Charcoal

Wood Identification.....

A Standard for Pottery Studies in Archaeology

Prehistoric Ceramics Research Group
Study Group for Roman Pottery
Medieval Pottery Research Group

RESEARCH TECHNIQUES
WITHIN ARCHAEOLOGICAL
SPECIALISMS

Pottery Specialists:

Research Group

ClfA Special Interest Groups

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DISSEMINATION - REPORTING, COMMUNICATION, ARCHIVE AND DISPLAY

How is your research disseminated?

Who is your audience?

Preservation of record / data

Museum displays – traditional / blended / virtual

DISSEMINATION - REPORTING

Client Report – Grey Literature? Historic Environment Record? OASIS?

Report Series (e.g. Historic England)

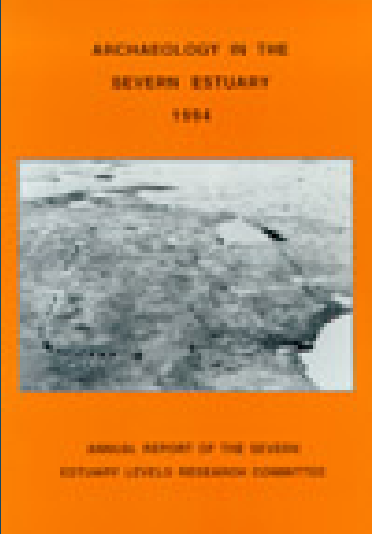
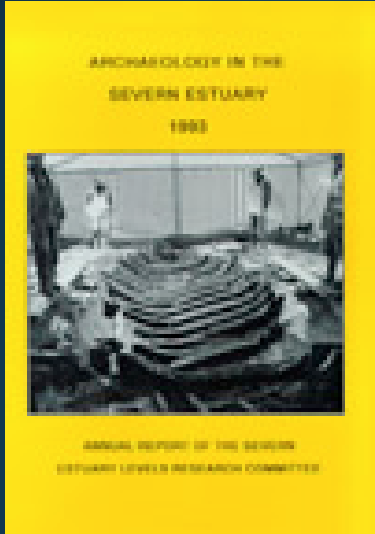
Regional Journals – Archaeological Societies / Groups

National / International Peer Reviewed Journals

Conferences and Conference Proceedings

Archaeological Monographs?

DISSEMINATION – REPORTING: BARLAND’S FARM BOAT



Antiquity

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Extract
References

Barland's Farm, Magor, Gwent: a Romano-Celtic boat

Published online by Cambridge University Press: 02 January 2015

Nigel Nayling, David Maynard and Sean McGrail

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Article

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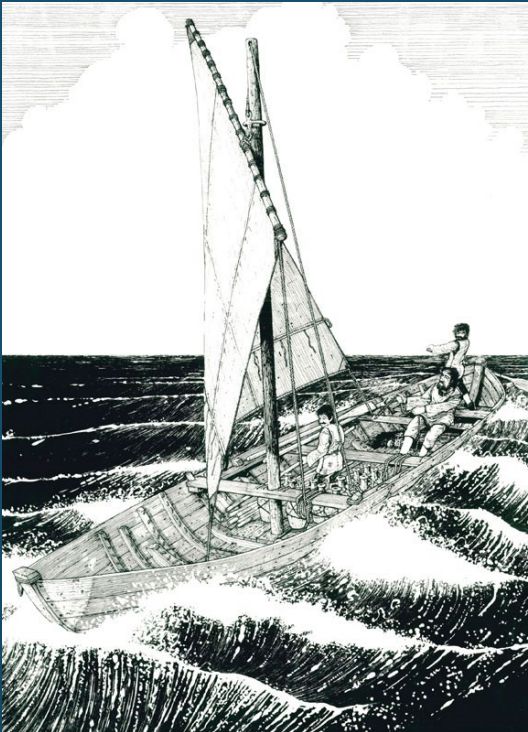
Cite

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Extract

Recent excavations on the Gwent Levels, in the wetlands of the Severn Estuary, south Wales, have recovered substantial remains of a waterlogged boat, of probable late 3rd- to early 4th-century AD date.

Type	Notes
Information	Antiquity, Volume 68, Issue 260, September 1994, pp. 596 - 603 DOI: https://doi.org/10.1017/S0003598X00047098
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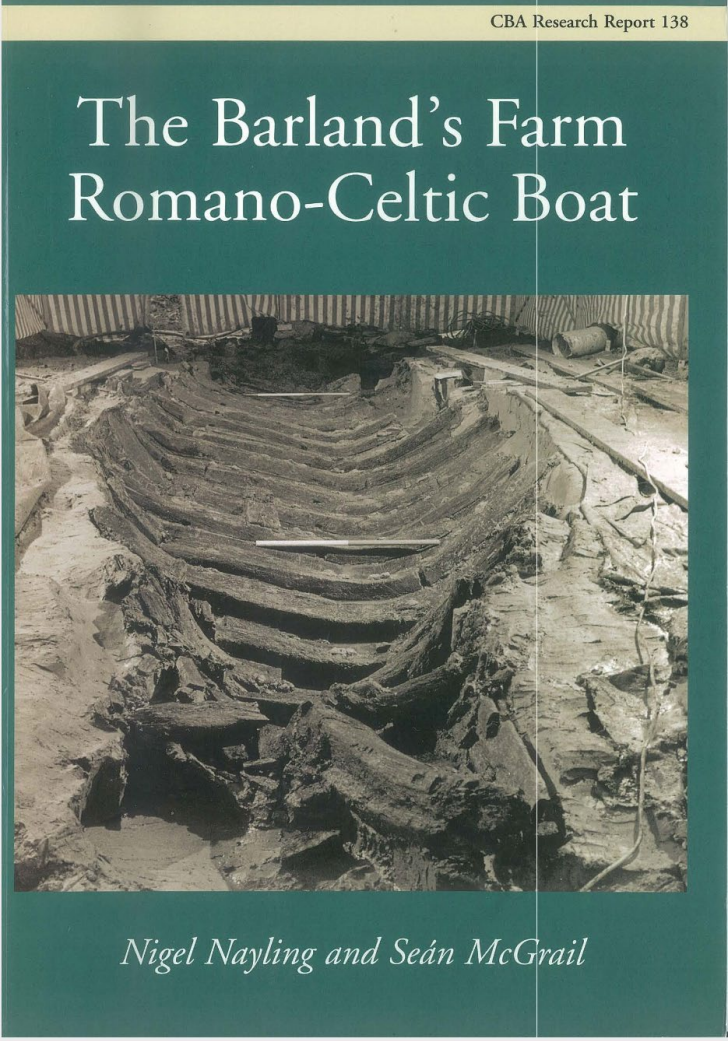


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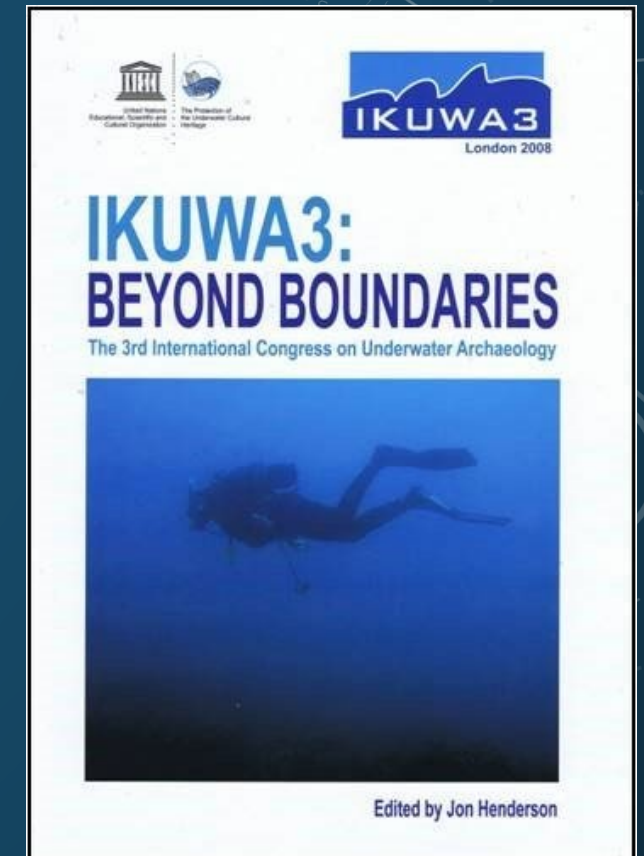


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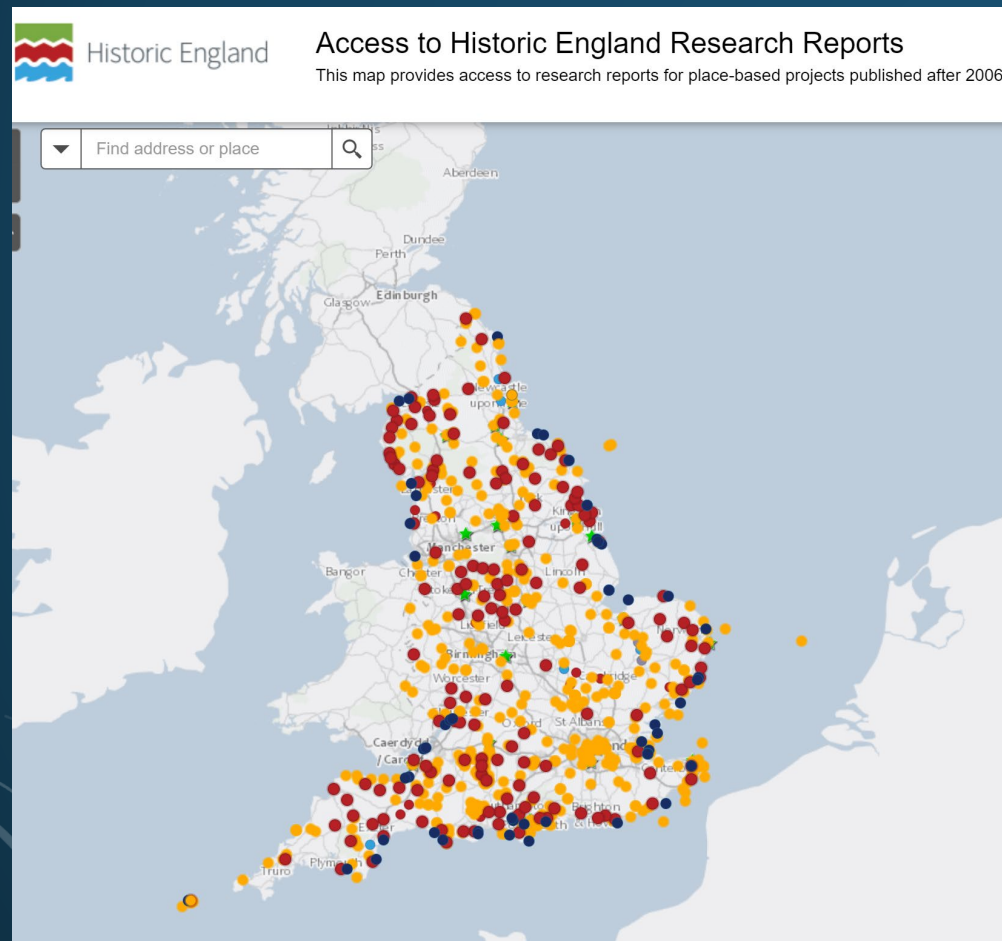


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HISTORIC ENGLAND RESEARCH REPORT SERIES

<https://historicensland.org.uk/research/results/reports/>



Historic England

Scientific Dating

Upper Quay Street Gloucester Gloucestershire

Tree-Ring Analysis of Oak Timbers

Nigel Nayling

Discovery, Innovation and Science in the Historic Environment



Research Report Series no. 16-2018

COMMUNICATION

Archaeological Societies / Groups – Public Lectures

Project / Organisation Website

Social Media

Forums

ARCHIVE INCEPTION AND DEPOSITION

Archaeology Data Service (+other digital repositories e.g. RCAHMW)

Specialist Data Repositories

Supplemental Data attached to publications

Paper Archive, Artefacts, Ecofacts – Receiving Museums, Conservation