

Research Strategy for the Historic Environment of the East Midlands: March 2009 Draft

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How to use this document

Updated Research Agenda topics and **Strategy Objectives** are summarised by period, from Palaeolithic (4) to Modern (21) times. The final section (22 & 23) presents Research Agenda topics and Strategy Objectives for palaeoenvironmental archaeology.

The left hand page for each period or subject summarises the [Updated Research Agenda](#) for each period or subject. Agenda topics are identified numerically under colour-coded headings.

The right hand page will summarise the strategies recommended for the delivery of research. Updated Research Agenda topics are shown at the head of the columns by their number and colour code. The agreed **Strategy Objectives** will be summarised in the left hand column. The Research Agenda topic(s) addressed by each Strategy Objective will be identified by an asterisk.

4 Palaeolithic – Updated Research Agenda

4.1 **Archaeological Period 1: The Cromerian and intra-Anglian** (Oxygen Isotope Stages [OIS] 19-12, 780,000 – 450,000 years ago [kya])

1. Where is the evidence of earliest occupation found and what is its date? Do these locations indicate possible entry routes into western 'Doggerland'?
2. How do we identify the material culture, and what was the way of life?
3. Where were hominin colonisers during the Anglian glaciation (OIS12)?
4. What can we learn of the culture of these early hominin groups?
5. What are the differences between intra-Anglian and the pre/post Anglian cultures and where did these people come from?
6. How can we explore known sediments to add to knowledge of this period, particularly those relating to the Bytham River?

4.2 **Archaeological Period 2: The pre-Levallois Lower Palaeolithic** (OIS 12-8, 450kya -250kya)

1. What was the relationship and chronology of sites with handaxes (Acheulian) and sites with other tools (Clactonian: flakes and chopping tools)?
2. If we compare tools from earlier assemblages (OIS11) with those of later assemblages (OIS9 and later) what can we discern about tool use and its implications?
3. How did available raw materials influence these assemblages?
4. Can we identify demographic patterns and social relations in this period?
5. How can we monitor geological work and maintain contacts with other disciplines in order to engage with relevant ideas on sediments and gravels?

4.3 **Archaeological Period 3: The Levallois Lower Palaeolithic** (OIS 8-6, 250kya-150kya)

1. How can we date and record sites of this period?
2. What was the nature of assemblages at this time of both non-Levallois and Levallois (prepared core technology) type?
3. What is the range and variability of prepared core technology within the region and why did this emerge in OIS8?
4. What aspects of behaviours are unique to this period?
5. Where do sites of this period occur?

4.4 **Archaeological Period 4: The Mousterian** (OIS 3, 55kya – 20kya)

1. How can we identify, date and record sites and site assemblages of this period?
2. How can we ensure that sites of this period are recognised and that the artefact collections are reviewed and adequately studied?

4.5 **Archaeological Period 5: The Upper Palaeolithic** (OIS2, Early UP 40kya-25kya, Late UP 13kya-10kya)

5a, The Early Upper Palaeolithic

1. How can we refine dates for the earliest anatomically modern humans?
2. How can we test the validity of the temporal and cultural succession of the EUP?
3. Is it possible to determine the demographic nature of settlement, and model the social pattern of mobile hunter-gatherer groups?
4. What was the relationship between open and cave sites and between their artefacts assemblages?

5b, The Late and Final Upper Palaeolithic

1. What was the relationship of sites of this period with earlier and later sites?
2. When was western Doggerland reoccupied after the Late Glacial Maximum (c 22kya)?
3. What was the relationship between western Doggerland groups at this time and their nearest European neighbours?
4. What was the relationship between closed and open-air sites and can we discern typological differences in their assemblages?

4.6 **Overall Major Themes**

1. How can we continue and extend the fieldwalking programmes?
2. How can we best review and enhance the Historic Environment Records (HERs) for the Palaeolithic?
3. Can we ensure that environmental evidence from sites is sampled and studied, even from those sites where no archaeology is found?
4. How can we investigate site in the North Sea Basin?
5. How can we ensure monitoring of gravel terraces and quarried materials?

5 Palaeolithic – Strategy Objectives

Strategy Objectives	Research Agenda																														
	4.1 Arch period 1 Cromerian & Intra- Anglian OIS 19-12						4.2 Arch period 2 The pre-Levallois Lower Palaeolithic OIS 12-8					4.3 Arch period 3 The Levallois Lower Palaeolithic OIS 8-6					4.4 Arch period 4: The Mousterian OIS 3		4.5a Arch period 5 Upper Palaeo OIS 2 - EUP				4.5b Arch period 5 Upper Palaeo OIS 2 - LUP				4.6 Overall major themes				
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6 Mesolithic – Updated Research Agenda

6.1 *Major themes*

1. What can we learn of the transition from late-glacial to early post-glacial hunter-gatherer societies?
2. Can we identify continuity and change in the Mesolithic?
3. How can we find evidence for the transition from the later Mesolithic to the earlier Neolithic?

6.2 *Sites and lithic artefacts*

1. How can we work towards characterising the regional and local distribution of earlier and later Mesolithic activity?
2. What can we do to identify lithic assemblage types of the earlier and later Mesolithic?
3. How can we identify types of sites and structures?
4. Is it possible to define the spatial extent of lithic artefact types?

6.3 *Chronology, technology and environment*

1. How can we refine the chronology of Mesolithic lithic industries?
2. Can we define the sources of lithic raw materials and understand their procurement and use? How was technology organised? Can we refine site reduction sequences?

3. How can we work towards targeting deposits which may hold palaeoenvironmental data of this period?
4. What manipulation of the environment may be identified in the palaeoenvironmental record ?

6.4 *Site prospection and interpretation*

1. What can be done to increase chronological and typological data from survey and excavation assemblages?
2. How can we extend fieldwalking surveys to previously untargeted areas?
3. How can we improve data on lithic scatters to include their sizes and shapes?
4. How can we ensure that scatters defined by surface collections are selected for research excavations?
5. Is it possible to ensure all known sites are published?
6. How can all data on Mesolithic sites be made available through HER records?
7. How can we prospect for sites beneath alluvium?
8. How can we study the diet of this period?

7 Mesolithic – Strategy Objectives

Research Agenda Strategy Objectives	6.1 Major themes			6.2 Sites and lithic artefacts				6.3 Chronology, technology and environment				6.4 Site prospection and interpretation							
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8 Neolithic to Middle Bronze Age: Updated Research Agenda

8.1 *Later Mesolithic to earlier Neolithic transition*

1. How did farming develop in the earlier Neolithic?
2. To what extent was the hunter-gatherer way of life perpetuated into the earlier Neolithic?
3. What is the significance of correlations between the distributions of later Mesolithic and earlier Neolithic surface lithic scatters?
4. How may palaeoenvironmental sampling strategies assist in elucidating this transitional phase?

8.2 *Introduction, character and development of agricultural practices*

1. How was the landscape used in this period?
2. How may we refine the dating of sites of this period?
3. To what extent may existing artefact and palaeoenvironmental data, particularly pollen, molluscs, buried soils and human bone, be re-evaluated with new techniques?
4. Could these existing collections provide a resource for enhancing our understanding of issues such as population movement, dietary changes and the changing role of agriculture and economic activities?

8.3 *Exploitation of different landscape zones*

1. How was the landscape used for different functions in society?
2. How may the variety of landscapes throughout the region be surveyed and examined in a way which would allow previous land use to be determined across the area?
3. Could survey and investigation provide information on the impact upon the environment of the growth of agriculture and changes in the character of settlement?

8.4 *Development of ceremonial monuments and their environs*

1. How did areas with monument complexes develop through time?
2. Why were some monument types seen in some areas and not others?
3. What was the importance of single sites and groups of monuments in society?
4. What criteria should be employed in deciding whether some monuments should be preserved whilst others are excavated?

8.5 *Nature of Neolithic and Bronze Age societies*

1. What were the distribution patterns of sites and artefacts?
2. Can we identify regional or intra-regional variations in the character of sites and artefacts?
3. Can examination of burials, grave goods and house structures assist in discerning the status of individuals in society. Would the study of monuments also assist with better understanding of the nature of these groups?
4. Can we identify spatially restricted styles of rock art and pottery which may highlight intra-regional variations in social or economic organisation?

8.6 *Access to resources and trade connections*

1. Is it possible to evaluate the importance of the region's copper resource in this period?
2. Can we identify some of the key sources of lithic raw materials?
3. Can we identify some of the key routes of movement of artefacts forming components of exchange networks extending within and beyond the region, particularly in the proximity of or on the periphery of monument complexes?

9 Neolithic to Middle Bronze Age - Strategy Objectives

Research Agenda Strategy Objectives	8.1 Later Mesolithic to early Neolithic transition				8.2 Introduction, character and development of agricultural practices				8.3 Exploitation of different landscape zones			8.4 Development of ceremonial monuments and their environs				8.5 Nature of Neolithic and Bronze Age Societies				8.6 Access to resources and trade connections		
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10 Late Bronze Age and Iron Age - Updated Research Agenda

10.1 Chronology, site prospection and landscape exploration

1. How is it possible to improve the dating and framework of the chronology for the archaeology of the first millennium BC?
2. What mechanisms may underlie intra-regional variations in site densities?
3. Is it possible that the spatial extent of sites of this period is underestimated?
4. How can we expand our limited knowledge of first millennium BC settlement in the claylands and upland valleys?

10.2 Late Bronze Age and Early Iron Age c. 1000-450BC: settlements

1. Why is there a lack of sites of this period and why are they often found by chance, commonly stratified below later Iron Age sites?
2. How can we better understand the nature of the LBA-EIA transition and the relationship between LBA-EIA and Middle/Late Iron Age societies?

10.3 Middle Iron Age c. 450-100BC: hillforts and settlements

1. Why were settlements enclosed and what were the functions and dates of hillforts and other enclosed upland sites? Were these upland areas abandoned and was this linked to wider events?
2. How are unthreatened sites to be investigated and managed for long-term conservation?
3. Why was land divided and how and why did village clusters develop?
4. What was the relationship of settlement change to agriculture?

10.4 Late Iron Age c. 100BC-AD50

1. What is the relationship of settlement sites of the period to each other and to Roman-British settlements and the wider Roman world?
2. Why were aggregated settlements seen in this period and what factors influenced their positioning and development?
3. What can coin assemblages from these sites tell us?

10.5 Linear monuments, ritual and structured deposition

1. What was the role of pit alignments and linear ditch systems within the landscape? Do these boundaries relate to settlements, field systems or past occupation?
2. Why are these linear systems more common in the East Midlands? What do these features tell us about the environment, ritual and material culture?
3. What is the nature of structured deposits in this region and are there any patterns or trends within different areas of the region?
4. Why are there no larger enclosures in the area?

10.6 The agricultural economy

1. How can the role of agriculture in the processes of settlement and social change be determined and can we identify seasonally occupied sites?
2. What can palaeoenvironmental data contribute to our understanding of diet and land use?
3. What was the impact of climate change in the first millennium BC particularly on farming practices?

10.7 Finds, craft, industry and exchange

1. How can we add to our existing knowledge of industries and crafts in this region, particularly iron extraction and smelting, lead sources, and the salt industry?
2. How can we ensure adequate analysis and publication of artefacts, particularly those recorded under the Portable Antiquities Scheme?
3. What can we determine about trade and exchange and the role of coinage?

10.8 Social relations, society in the first millennium BC and regional themes

1. What was the social structure in this period and the role of open and enclosed sites?
2. How can we obtain better data on settlement architecture, settlement morphology, expansion and location?
3. How can we further investigate the Peak region, Lincs Fens and coastal and riverine areas?

11 Late Bronze Age and Iron Age – Strategy Objectives

Strategy Objectives	Research Agenda																									
	10.1 Chronology, prospection and landscape exploration				10.2 Late BA & Early IA settlements 1000-450BC		10.3 Middle Iron Age hillforts and settlements 450-100BC				10.4 Late Iron Age 100BC - AD50			10.5 Linear monuments, ritual & structured deposition				10.6 The agricultural economy			10.7 Finds, craft, industry and exchange			10.8 Social relations & society in the 1st millennium BC & regional themes		
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12 Roman – Updated Research Agenda

12.1 Chronology

1. How can we improve our lack of knowledge on the region's pottery industry in some areas and our knowledge of fabric schemes, particularly during the Late Iron Age - Romano-British transition and the third and fourth centuries?
2. How can recording and publication of fieldwalking and metal detected assemblages be improved?
3. Can we advance our knowledge of the chronology of metal finds, particularly brooches?
4. Could scientific dating methods, particularly radiocarbon dating, be better used?

12.2 Late Iron Age landscapes, the strategy and consequences of the Conquest

1. How should we analyse the continuity, abandonment and relocation of settlements?
2. What was the morphology and extent of later Iron Age landscapes and what was their relationship to early Roman forts, particularly in Lincoln and Leicester?
3. What was the nature of the supply chain from this area to other regions?
4. What was the impetus for the foundation of *vici* and other small towns?

12.3 Urbanism

1. What were the origins of urban centres? Were these already established centres or were they spurred by military occupation?
2. How did nucleated settlements grow and develop, and what was the pace of growth in the first century?
3. Did neighbouring military communities or the proximity of major roads affect the growth of *vici*?
4. How were the settlements structured and what was their role? What was the relationship between local people and the Roman State? Why were some centres defended?

12.4 Communications and new geographies of power

1. Can the chronology of the road network construction be established?
2. What influenced the development of the road routes?
3. How did the role of roads and waterways affect the social status of both urban and rural communities?

12.5 Rural settlement, landscape and society

1. What can survey data add to our knowledge of rural settlements? How can we identify sites?
2. How did rural networks of communities work and relate to each other?
3. How did rural communities use and change the landscape? Can palaeoenvironmental data assist?

12.6 Artefact production, exchange and consumption

1. How can we add to our knowledge of the Roman iron industry?
2. Can movement of materials and patterns of consumption of Roman pottery aid our understanding of the local economy?
3. What production techniques and exchange networks were involved in the manufacture and marketing of salt and building materials?
4. Can the study of coins add to our understanding of the process of monetisation and can examination of the patterns of material consumption improve our knowledge of the economy?

12.7 Ritual, religion and identity

1. Can we establish the nature and context of indigenous Late Iron Age rituals?
2. Can data from surveys and the Portable Antiquities Scheme assist in locating religious sites?
3. What beliefs and practices were associated with particular site types?
4. Why are few burials of the early Roman period found and is it possible to locate and investigate later cemeteries or burials?

13 Roman – Strategy Objectives

Research Agenda Strategy Objectives	12.1 Chronology				12.2 Late Iron Age landscapes, strategy & consequences of conquest				12.3 Urbanism				12.4 Communications and new geographies of power			12.5 Rural settlement landscape and society			12.6 Artefact production, exchange and consumption				12.7 Ritual, religion and identity			
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14 Anglo-Saxon and Viking (AD410-1066) – Updated Research Agenda

14.1 *Demography and political and social groups*

1. What was the chronology and process of Scandinavian immigration or colonisation?
2. Will study of sites yielding late Roman metalwork clarify the relationship between indigenous and Germanic populations? Can dress be reconstructed from the archaeological evidence and how may this evidence reflect social/political groupings?
3. Can sub-Roman or British cemeteries, and cemeteries of the seventh to ninth centuries, be identified?
4. How did the adoption of coinage reflect changes in society and the economy?
5. What can Anglo-Saxon and Anglo-Scandinavian sculpture tell us of ethnic and religious affiliation?

14.2 *Ritual and belief*

1. What was the relationship between pagan temples and other contemporary or later sites, particularly in Northamptonshire?
2. Can we define the extent of cremation cemeteries? Were flat cemeteries associated with high status burials? What was the context of the richer seventh century graves?
3. Can we identify grave-side practices from archaeological evidence?
4. Can the location of pre-Viking church sites be determined, particularly in Lincoln and Leicester?

14.3 *Communications*

1. Were the Roman roads maintained in the fifth to ninth centuries?
2. Were unmetalled routeways, for example at river crossings, established or re-used?
3. Did the River Trent serve as a route and major cultural boundary?
4. What communication existed between town and hinterland?

14.4 *Burhs, inland towns and central places*

1. How did Anglo-Saxon and British society use the Roman walled towns and can we identify middle Anglo-Saxon defensive works?
2. What was the Scandinavian impact on urban development and what was the influence of the local elite?
3. Can we identify centres of seventh and eighth century cross-channel and North Sea trade in the region?
4. Can we identify the locations of nucleated settlements of the ninth and tenth centuries?

14.5 *Industry and trade*

1. Can we identify Anglo-Saxon salt and glass production and distribution sites?
2. What do we know of the Derbyshire lead industry between the fifth and ninth centuries and of the extraction and smelting of iron ore in this period, and of its impact on the environment?
3. Could our understanding of pottery production be improved, for example by study of fabrics? How can we identify imported pottery in this period?
4. Does the quantity and quality of imported goods reflect the status of early sites? Could analysis of imported goods from cemeteries assist this study?

14.6 *Settlement hierarchy, land use and the agricultural economy*

1. What was the impact of Scandinavian colonisation on rural settlement?
2. Can the status and hierarchy of settlements be classified and their functions and origins be discerned? Do settlement patterns and land use of the region reflect the economy?
3. Will palaeoenvironmental studies add to our data on woodland regeneration and the pattern of land use in the fifth to ninth centuries?
4. Can studies elucidate the changes in ploughing at this time, farming of sheep, consumption of fish and marine mammals?

15 Anglo-Saxon and Viking (AD410-1066) – Strategy Objectives

Research Agenda Strategy Objectives	14.1 Demography and political and social groups					14.2 Ritual and belief				14.3 Communi-cations				14.4 Burhs, inland towns and central places				14.5 Industry and trade				14.6 Settlement hierarchy, land use and the agricultural economy			
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16.1 *Urbanism*

1. What was the influence and character of Danish occupation and what were the differences between Danish and non-Danish burhs and other urban settlements?
2. How is urbanism identified? What evidence is there for the chronological development of major towns, their industrial activities and suburbs in the Post-Conquest period, and for Anglo-Scandinavian smaller medieval market towns?
3. How best can we establish the identification, date and conservation needs of medieval standing buildings (including those not listed)? How should we record cellars and caves?
4. Can we investigate the role of open areas, fairs, markets, ports and other trading centres?

16.2 *Rural settlement*

1. What was the impact of the Danelaw? Can place-name evidence be evaluated alongside archaeological evidence to evaluate the influence of Danelaw?
2. What was the origin of nucleated villages? What was the relationship between these villages and the Danelaw and how can these sites be dated?
3. How can we gain an understanding of the evolution, pattern and status of the buildings within rural settlements and establish the extent of surviving medieval fabrics?
4. How can we elucidate the origin, development and the regional and social variety of dispersed medieval occupation sites and of medieval settlements which are still occupied?

16.3 *The manor*

1. How did the medieval manor and early estates and their landscapes develop from the Anglo-Saxon period? Could classification of manorial sites be improved?
2. Can we improve our knowledge and classification of moated sites in the region and can environmental data add to our knowledge?
3. What standing buildings are present on moated sites and what was the purpose of associated features found during surveys?
4. What was the date and architecture of the manor buildings and what can we learn of traditional skills and designs?

16.4 *Castles, military sites and country houses*

1. Can East Midlands' sites make a contribution towards the understanding of the origins of castles, and can we identify local typologies and uses?
2. What was the chronology and role of undated minor motte and bailey castles? Have castle sites been lost? Was there continuity between castles and country houses and are earlier structures concealed in later buildings?
3. How should battle sites be further investigated?
4. How can we classify the typologies of these buildings and the local resources used to build them? What impact did they have on the local environment and economy?

16.5 *Industry*

1. How and where were pre-Conquest and medieval pottery wares manufactured and distributed? Would study of the communication systems add to this study?
2. Were extractive mineral industries controlled or organised by royal, monastic or lay lords?
3. Can we identify, investigate and date sites associated with iron production, coal mining, lead mining, cloth production, leather working and fishing?
4. How do we establish building typologies and functions?

16.6 *Religion*

1. Is it possible to identify temporary, early and groups of monastic sites and also lesser minster sites? Can we determine the development of Templar sites, and of hospitals and colleges?
2. Can we determine the development of early parishes and of the earliest phases of medieval buildings?
3. By what methods can we further examine human remains from this period?
4. How can we establish the typology of local and regional building styles?
5. How should we study and classify the importance of building interiors, sculpture, decorations and monuments?

16.7 *The agrarian landscape*

1. Can we connect the development of champion and other landscapes to earlier boundaries and estates?
2. Can we establish the chronology of medieval field systems? Can environmental data explain changes in land use and agriculture, including stock rearing, both in lowland and upland areas?
3. Can we better understand the use and management of woodland in this period?
4. Is it possible to identify the extent of urban influence to the countryside?

17 Medieval (1066-1485) – Strategy Objectives

Research Agenda \ Strategy Objectives	16.1 Urbanism				16.2 Rural settlement				16.3 The manor				16.4 Castles, military sites & country houses				16.5 Industry				16.6 Religion					16.7 The agrarian landscape			
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18 Post Medieval (1485-1750) – Updated Research Agenda

18.1 Urbanism

1. Can we investigate the administrative and economic role of towns? How do we record their importance as trading centres and the role of towns in regional marketing?
2. How can we investigate and record the key urban industries and their ecological effect?
3. Can studies discern the emergence and material culture of the urban middle classes and the role of towns as social centres? Can we recognise the emergence of the poorer classes in suburbs?
4. How were towns organised and how did social space change in towns as it adapted to meet population rise? What part was played by religion, urban government, municipal pride and progress and class structures in these changes?
5. How should the significance of unlisted buildings, buildings concealed in later structures and groups of buildings be determined?

18.2 Rural landscapes and country houses and gardens

1. Can we identify the social use of space in buildings and landscapes?
2. Is it possible to determine Continental influences in garden designs and the effects of changing fashions? What can palaeoenvironmental data add to these studies?
3. How can we ensure the recording of the material culture of tenants and servants and the investigation of outbuildings and tenants' houses?
4. How did houses and gardens relate to the wider landscape and how were country estates managed?
5. Can we establish typologies for parklands, recreational structures and for estate villages and cottages?

18.3 Agricultural landscapes, vernacular architecture and commons

1. How can we better understand the early landscapes of enclosure and improvement? What was the effect of industry on agriculture?
2. What was the inter-relationship between arable, woodland, commons and waste and rural industry? What was the importance of water management features? Can palaeoenvironmental information help this study?
3. When and how were farms, farm and field buildings developed? What is their typology and how can these buildings be protected?

4. Can we gain some knowledge of the houses of the rural poor?

18.4 Industry and communications

1. Can we better understand the organisation of the workplace, gender differences at work and the development of industrial processes? How do we investigate the form and function of these buildings?
2. What was the importance of technological innovation, organisation, transport and capitalisation?
3. How were settlements affected and can we find evidence for the material culture of the workers?
4. What can we learn about the economic changes of the period, and in particular patterns of marketing and consumption, from the data of factory/non-factory production

18.5 Ecclesiastical and military

1. How can we investigate most effectively the historic environment of the Reformation and early non-conformity? Can we classify church related buildings and non-Anglican buildings?
2. How should post-medieval buildings, lost churches and chapels and their architects be identified and recorded?
3. How can we ensure that redundant chapel sites, graveyards, skeletal assemblages, and the material culture of burial and remembrance are fully recorded?
4. What typology can be established to record and classify the interiors of buildings, their decoration and monuments?
5. How best can we record and study battlefield and siege sites, Civil War garrison locations, suburbs demolished in the Civil War and post-siege redevelopment?

18.6 Material Culture

1. What was the pattern of inland distribution of ceramic imports?
2. Can we establish a dated type series for ceramics, and how can we identify competition between regional potteries?
3. Can we identify the material culture and changing fashions of different classes?
4. Were there different patterns of consumption between town and countryside and can we recognise the symbolic use of material culture?

19 Post-Medieval (1485 -1750) – Strategy Objectives

Research Agenda Strategy Objectives	18.1 Urbanism					18.2 Rural landscapes and country houses and gardens					18.3 Agricultural landscapes, vernacular architecture and commons				18.4 Industry and communications				18.5 Ecclesiastical and military					18.6 Material culture				
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* Identify by an asterisk the Research Agenda topic(s) addressed by each Strategy Objective

20 Modern (1750-2010) – Updated Research Agenda

20.1 Settlements, townscapes and buildings

1. How did towns evolve from the post-medieval to modern period and can we classify types of buildings and open spaces?
2. Can we establish the nature and impact of settlements and of their expansion and relationships? How should we record suburbs and estates?
3. Who owned land plots, and how were workers' colonies organised? Are issues of power and control reflected in buildings?
4. What civic buildings were established and what do we know of prisons, schools, workhouses and places of entertainment? What was the impact of public utilities?
5. How can we study and record 20th buildings and landscapes? How did building types change in this period and what was the impact of building regulations?
6. How should we classify conservation areas?

20.2 Cultural diversity and religion

1. How can we identify cultural diversity and associated settlement and industrial patterns?
2. How can we record and study religious locations of all types, and the typology of their associated buildings?
3. What was the social context of these religious buildings and how can we record the interiors and designs and materials being used?

20.3 Transport systems

1. What was the relationship between different types of transport?
2. What was the impact of linear transport systems on industry and settlement?
3. Can we identify associated construction sites, such as navy camps?
4. What was the impact of 20th century airports upon the landscape, existing transport infrastructure, etc?

20.4 Country estates, parks, and agriculture

1. What survives of country estates, parks and gardens? How can these be classified and what was their distribution?

2. What was the social role and influence of country houses and estates? What was the impetus to the development of estate farming and rural agricultural industries?
3. Can we determine the relationships between enclosure, settlement and industry? What was the distribution and nature of planned and model farms?
4. How did recreational use of the countryside affect the buildings and landscape?
5. Can we establish the typology of buildings and structures associated with farms and country estates, including estate villages, tied cottages, freehold land, allotments, smallholdings, education, water management, milling and malting?
6. What do we know of woodland industries and their workforce?

20.5 Industries

1. How can we record and study underground workings and their relationships to markets, settlements, communities and transport?
2. How can we establish records of slate and stone industries, brick-making, ceramics and clay pipe manufacture?
3. How did wool, cotton, hosiery and lace mills and their water management systems fit into the economic landscape? Was there resistance to new technology?
4. What craft industries existed prior to 1850 and can we identify the remains of associated buildings?
5. What was the relationship between outworking and mill production and who were the workers? What was the impact of villages which were 'open' or 'closed' to outworking?
6. What were the different regional impacts of these industries and were industrial buildings re-used?

20.6 Military sites

1. What is the nature and survival of military sites from 1750-2000?
2. How did industries respond and contribute to war?
3. What was the impact of war and post-war developments on settlements, landscapes, the infrastructure, technology and investment?

21 Modern (1750-2010) - Strategy Objectives

Research Agenda Strategy Objectives	20.1 Settlements, townscapes and buildings						20.2 Cultural diversity and religion			20.3 Transport systems				20.4 Country estates, parks and agriculture						20.5 Industries						20.6 Military sites		
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22 Palaeoenvironmental Archaeology – Updated Research Agenda

22.1 Palaeolithic

1. How can we use existing environmental data to expand our knowledge of this period?
2. How can the environmental data from palaeochannels be best used?
3. What steps can be taken to investigate, record and map unusual deposits of good potential and to record and map mammoth remains?
4. Should a bibliography combining botanical, geological and zoological references be compiled and updated?

22.2 Mesolithic

1. Can we ensure the dating of organic remains found with lithics is given priority?
2. How can the analysis and dating of pollen profiles giving evidence for early clearance be targeted? Can we target in situ charred material?
3. Could human bone already in the archive be examined to establish early diet?
4. How can data from palaeochannels, headwaters and catchments be best used?

22.3 Neolithic to Early to Middle Bronze Age

1. Can we date and determine sequences of land use, including woodland clearance and the beginnings and spread of cereal cultivation? Does this vary throughout the region?
2. Can we identify new crops and see regional variations in the introduction of spelt?
3. What was the importance of domesticated animals and pasture land? Were hedges used to control animals?
4. What was the relationship between agriculture and gathered food? Can we establish diet through time?

22.4 Late Bronze Age and Iron Age

1. Can dating for all sites be established including dates for woodland clearances?
2. Can land use be determined using information from dated palaeochannels, waterlogged deposits and charred remains?
3. How can we best date and map river valleys, river channels and alluviation?
4. What was the diversity of agriculture on the different soils and areas?

22.5 Roman

1. What is the evidence for the Iron Age/Roman transition and for the introduction of new crops, herbs and fruits in the region?

2. What is the evidence for the diet of people of high and low status both in large and small towns and in hillforts and rural settlements, especially those in the vicinity of military sites?
3. Can we determine and date the rate of agricultural expansion and intensification, and the date of extensive ditched field systems? What agricultural changes took place during the Roman/Saxon transition?
4. What were the regional routes and locations for trade and exchange of agricultural produce and fish between towns, villas and rural settlements?

22.6 Anglo-Saxon

1. Is there evidence for changes in crops (i) spelt to free-threshing wheat, (ii) introduction of rye wheat?
2. Can we identify and date areas of agricultural expansion and the introduction of crop rotation? Was there a hiatus in cultivation in the mid-6th century?
3. What were the developments in animal management in this period and were wild food resources being exploited?
4. How were woodlands being used?

22.7 Medieval

1. What was the relationship between towns and countryside? How were towns provisioned with food and other products?
2. What were the developments in arable and pastoral farming? What changes took place in use of fields, crops and animals?
3. What can we discern of diet and living conditions in urban, rural and coastal communities? What was the method of fish production and distribution?
4. What evidence is there for use of both urban and rural land, and for woodland management?

22.8 Post-Medieval and Modern

1. What changes took place in animal husbandry and were new breeds introduced?
2. Can we see changes in animals used for traction and what animal products were being traded?
3. What were the diet and living conditions of people of higher status, of rural workers and of those in trades and industries? Can we target collection of environmental data from rural and from modern sites?
4. What garden plants and crops were seen in this period and were new types introduced, particularly from the New World?

23 Palaeoenvironmental Archaeology – Strategy Objectives

Research Agenda \ Strategy Objectives	22.1 Palaeolithic				22.2 Mesolithic				22.3 Neolithic and Early to Middle Bronze Age				22.4 Late Bronze Age and Iron Age				22.5 Roman				22.6 Anglo-Saxon				22.7 Medieval				22.8 Post-Medieval and Modern			
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