

PRELIMINARY PROGRAMME FOR THE AEA CONFERENCE – ÅRHUS 2018

Organizers

Marcello A. Mannino (Department of Archaeology & Heritage Studies, Aarhus University, DK)
[conference chair]

Peter Hambro Mikkelsen (Department of Archaeological Science and Conservation, Moesgaard Museum, DK)

Søren M. Sindbæk (Department of Archaeology & Heritage Studies and UrbNet, School of Culture & Society, Aarhus University, DK)

Scientific Committee

Søren H. Andersen (Moesgaard Museum)

Luise Ørsted Brandt (UrbNet, School of Culture & Society, Aarhus University)

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Jacob Kveiborg (Department of Archaeological Science and Conservation, Moesgaard Museum)

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Welmoed Out (Department of Archaeological Science and Conservation, Moesgaard Museum)

Federica Sulas (UrbNet, School of Culture & Society, Aarhus University)

DAY 1: 29.11.2018

12:00: registration

Keynote lectures | presented by Marcello A. Mannino (AU, DK) & Peter Hambro Mikkelsen (MOMU, DK)

13:00: Catherine Jessen (The National Museum of Denmark, DK) | tba

14:00: Bent Odgaard (Aarhus University, DK) | ***Landscape openness and land-use in Danish prehistory: pollen and erosion evidence***

15:00: Søren Sindbæk (UrbNet, DK) | ***Putting context first: resource networks, urban evolutions, and high-definition data***

16:00: Peter Rowley-Conwy (Durham University, UK) | ***Where it all began: shell middens, archaeological science, and the setting of archaeological agendas***

WELCOME RECEPTION

DAY 2: 30.11.2018

8:00: registration

9:00-10:30: SESSION 1 *Humans & the Sea*

10:30-11:00 coffee

11:00-12:30: SESSION 2 *Diet & Health*

12:30-13:30 lunch

13:30-15:00: SESSION 3 *Past Agriculture*

15:00-15:30 coffee

15:30-17:00: SESSION 4 *People & Environments I: Individuals & Contexts*

ANNUAL GENERAL MEETING

DAY 3: 01.12.2018

9:00-10:30: SESSION 5 *People & Environments II: Landscapes*

10:30-11:00 coffee

11:00-12:30: SESSION 6 *Mini-presentations [5 minutes] for each poster*

12:30-13:30 lunch

13:30-15:00: SESSION 7 Poster session

15:00-15:30 coffee

15:30-17:00: SESSION 8 *Advances in Archaeological Science*

17:30: *Visits of the AU and MOMU laboratories*

CONFERENCE DINNER

39th AEA CONFERENCE | Moesgaard Museum and AU Campus – AARHUS 2018

30th November 2018 – 9:00-10:30

SESSION 1: Humans & the Sea

Sea-level Changes in Mesolithic Southern Scandinavia: Long- and Short-term Effects on Society and the Environment

Peter Moe Astrup | Moesgaard Museum (Denmark)

Facing the sea, relying on the land? - investigating the Tintagel middens

Gill Campbell et al. | Historic England (United Kingdom)

Reconstructing the internal architecture of giant medieval shell middens with the Ground Penetrating Radar (GPR)

Elsa Cariou et al. | Université de Nantes (France)

Woodlands under the waves: Orcadian landscape change from the Mesolithic to Bronze Age

Michelle Farrell et al. | Coventry University (United Kingdom)

Intra- and inter- tooth variation in strontium isotope ratios from prehistoric seals by laser ablation (LA)-MC-ICP-MS

Aikaterini Glukou et al. | Stockholm University (Sweden)

SESSION 2: Diet & Health

Recreating past effects of seaweed-fertilisation on the isotopic and chemical composition of barley to further palaeodietary reconstructions

Magdalena Blanz et al. | Orkney College (United Kingdom)

Life and death in a *civitas* capital: Deciphering the link between environmental constraints and health hazards at Aventicum, Roman Switzerland (1st-3rd c. AD)

Chryssa Bourbou | University of Fribourg (Switzerland)

Sulphur isotope and the Mesolithic-Neolithic transition in Southern Scandinavia

Kurt J. Gron & Harry K. Robson | Durham University & University of York (United Kingdom)

Feeding Anglo-Saxon England: joining forces to break new ground

Mark McKerracher | University of Oxford (United Kingdom)

Diet, mobility and radiocarbon dating of Tollund Man – New investigations of a Danish Iron Age bog body

Nina Helt Nielsen et al. | Museum Silkeborg (Denmark)

Life in the Stone Age at Rīņukalna, Latvia: a Neolithic freshwater shellmidden in the eastern Baltic region

Kenneth Ritchie et al. | Centre for Baltic and Scandinavian Archaeology (Germany)

SESSION 3: Past Agriculture

Small seeds – Big Data

Marianne Høyem Adreasen et al. | Moesgaard Museum (Denmark)

Resilience and Breakpoints Resilience and breakpoints – exploring linkages between societal, agricultural and climatic changes in Iron Age Denmark

Mads Dingsø Jessen | The National Museum of Denmark (Denmark)

Arable farming in Viking Age Iceland: archaeobotanical evidence from Lækjargata 10-12, Reykjavík

Dawn Elise Mooney & Lísabet Guðmundsdóttir | University of Stavanger (Norway) & The Institute of Archaeology (Iceland)

North-south patterning of millet agriculture on the Loess Plateau: Late Neolithic adaptations to water stress, NW China

Pengfei Sheng et al. | Fudan University (China)

People, Land-Use & Time: Linking Multi-Proxy Palaeoenvironmental & Archaeological Data

Daisy Spencer | National University of Ireland (Ireland)

Can geometric morphometrics reveal the origins of Scotland's island-adapted barley, bere?

Michael Wallace et al. | The University of Sheffield (United Kingdom)

SESSION 4: People & Environments (1: Individuals & Contexts)

Reacquainting bog bodies with their landscape and environmental contexts

Henry Chapman et al. | University of Birmingham (United Kingdom)

**How to identify cesspits as latrines? A study of macrofossils and non-pollen
palynomorphs in Danish medieval cesspits**

Renée Enevold et al. | Aarhus University (Denmark)

The archaeological potential of anthropogenic soils on Jæren, South-West Norway

Jutta Lechterbeck | University of Stavanger (Norway)

Charcoal analysis of neolithic Frydenlund, Fyn, Denmark

Welmoed Out et al. | Moesgaard Museum (Denmark)

Fregerslev II at the microscale: Soil micromorphology and XRF analyses of a Viking grave

Federica Sulas et al. | Centre for Urban Network Evolution, Aarhus University (Denmark)

**The Medieval geoarchaeology of lowland rivers: riverine place-names, environments and
alluviation over the last Millennium in Central England.**

Ben Pears et al. | University of Southampton (United Kingdom)

1st December 2018 – 9:00-10:30

SESSION 5: People & Environments (2: Landscapes)

Twin Peaks in the Early Mesolithic. New results from ancient Lake Duvensee

Daniel Groß et al. | Centre for Baltic and Scandinavian Archaeology (Germany)

**New advances in archaeological phytolith analysis: a peat deposit at Rue des Boîteux
(Brussels)**

Rosalie Hermans | Vrije Universiteit Brussel (Belgium)

**Assessing vegetation change at the regional scale in western Sjælland: 7000 years of fluctuation in
anthropogenic fire, deforestation, grazing and settlement**

Anthony Ruter | Centre for GeoGenetics, Natural History Museum of Denmark (Denmark)

**Project Wildscape: Reconstructing Hidden Landscapes through a Case Study in the
Humberhead Levels**

Nika Shilobod et al. | Plymouth University (United Kingdom)

European landuse at 6000BP: from on-site data to the large-scale view

Nicki Whitehouse et al. | Plymouth University (United Kingdom)

1st December 2018 – 11:00-12:30

SESSION 6: Mini-presentations for each poster

SESSION 7: POSTER SESSION

Reynard at Randall – cementum annuli analysis of a red fox from Randall Manor, Kent

Nora M. Battermann | University of Leicester (United Kingdom)

Waves of colonization and the Sea of Moyle: Linking population history, resilience and landscape change of island communities. A new AHRC Project Starting October 2018

Tony Brown et al. | Tromsø Museum, UiT (Norway)

Approaching Dynna: the burial mound as an assemblage

Cannell et al. | University of Oslo (Norway)

Oyster shell deposits : a good place to establish lead environmental backgrounds and monitor ancient anthropogenic contaminations

Elsa Cariou et al. | Université de Nantes (France)

Using Zooarchaeology to Explore Early Medieval (8th- to 10th-century) Economy and Environment in Antwerp, Belgium: Evidence from the Burcht and Gortestraat Sites

Pam J. Crabtree & Douglas V. Campana | New York University & US National Park Service (USA)

Agricultural practices at Middle Neolithic Oldenburg LA77, northern Germany

Dragana Filipović et al. | University of Kiel (Germany)

Archaeological Palaeoenvironmental Archiving - Thinking outside of the box

Paul Flintoft | University of Reading (United Kingdom)

Palaeoenvironmental proxies from palaeochannel sediments adjacent to a long-lived Mesolithic site in the environs of Stonehenge World Heritage site

Thierry Fonville et al. | University of Southampton (United Kingdom)

Optimization of efficient ancient DNA extraction from lake sediment

Peter D. Heintzman et al. | The Arctic University of Norway (Norway)

Prehistoric Ibérico pigs? Wild boar teeth analysis of prehistoric foraging Japan

Junzo Uchiyama | University of East Anglia (United Kingdom)

Neolithic plant economy in the SW Baltic area – a long-term perspective

Wiebke Kirleis et al. | University of Kiel (Germany)

Detecting agricultural changes in the Middle Ages using a pollen modelling approach

Wilmer Koster | Utrecht University (The Netherlands)

In search for the Bølling-Oscillation – new palynological data on old questions at lake Bølling, Denmark

Sascha Krüger & Martin Damrath | Centre for Baltic and Scandinavian Archaeology (Germany)

Environmental studies in urban archaeology

Johan S. Larsen | Centre for Urban Network Evolution, Aarhus University (Denmark)

An estuarine tide-scape of production: terrestrial laser scanning (TLS) of fixed fishing structures and a tidal mill in the Léguer Estuary, Brittany, France

Mike Lobb et al. | Trent and Peak Archaeology (United Kingdom)

A late Mesolithic and early Neolithic isotopic baseline for southern Scandinavia

Rikke Maring et al. | Aarhus University (Denmark)

Plant processing in Mesolithic Ireland

Meriel McClatchie | University College Dublin (Ireland)

From onboard to the kitchen: ‘the sea’ and colonial foodways in Quebec City (Canada)

Julie-Anne Bouchard Perron | Historic England (United Kingdom)

Investigation of cereal remains at the defensive city site of Shichengzi (~40 BC-AD 75) on the Silk Road, Xinjiang, NW China

Pengfei Sheng et al. | Fudan University (China)

Multi-scalar geoarchaeology and Viking landscapes: A bottom-up approach to Borgring

F. Sulas et al. | Centre for Urban Network Evolution, Aarhus University (Denmark)

Method Development in Urban Geoarchaeology: the High-definition Study of Viking-age Ribe, Denmark

Pernille L.K. Trant & Barbora Wouters | Aarhus University & Centre for Urban Network Evolution, Aarhus University (Denmark)

The Isotopic Analysis of Animal Individuals

Kathryn O. Weber | Cornell University (USA)

SESSION 8: New Methodological Developments in Archaeological Science

Ancient DNA reveal Holocene environmental change with and without human impact

Inger Greve Alsos et al. | The Arctic University of Norway (Norway)

Using sedaDNA and lipid biomarkers alongside palaeoenvironmental proxies for understanding wetland and lakeside archaeological site

Tony Brown et al. | Tromsø Museum, UiT (Norway)

Ancient DNA reveals vegetation history near the archeological site in Varanger, northern Norway

Dilli P. Rijal et al. | The Arctic University of Norway (Norway)

“Palaeoshellomics”: biomolecular identification of prehistoric pearl shell ornaments

Jorune Sakalauskaite et al. | University of Turin (Italy)

Ancient Shell DNA, A New Proxy for Environmental Archeology Research

Clio Der Sarkissian & Ludovic Orlando | Université de Toulouse (France)

Migration, exploitation and innovation: when and how did various Indo-European linguistic groups establish themselves in prehistoric Europe (8000-2000 BCE)?

Y.F. van Amerongen & G.J. Kroonen | Leiden University (The Netherlands) & Copenhagen University (Denmark)