



Association for  
Environmental  
Archaeology



University of  
Reading

**Association for Environmental Archaeology**  
Autumn Conference 2012  
*Environmental Archaeologies of Neolithisation*  
University of Reading (UK), 9-12 November 2012

*Conference abstract*

The origins and spread of Neolithic life-ways represent a pivotal change in human ecology and society. Communities transformed their relationships with the world around them, shifting away from reliance upon hunted and collected wild resources, to the management and domestication of plants and animals, alongside a pattern of increasing sedentism. These processes were played out at differing temporal and spatial scales; from the life-cycle of a single organism of a population on the path to domestication, to the dissemination of 'new' farming economies around the world.

The varied fields within environmental archaeology are providing increasingly detailed understanding of the agencies, processes and pathways in these transformations. These include work in the established fields of geoarchaeology, archaeobotany and zooarchaeology, alongside the major advances and exciting vistas opened in recent decades by techniques such as stable isotope analysis, geometric morphometrics and genetic studies, as well as interdisciplinary studies that integrate these approaches.

The conference aims to examine any aspect of Neolithisation at the varying scales of analysis that environmental archaeology can offer, from changes within a single site to those played out over continents.

The conference programme is now finalized, but may be subject to minor organisational changes. The *Association for Environmental Archaeology* will award two poster prizes at the conference.

*Conference programme*

**FRIDAY 9 NOVEMBER**

Registration opens (15:30)

**Keynote address** (17:00 – 19:00)

**New insights from Cyprus on the beginning of animal domestication and on the neolithisation in the Near East**

Jean-Denis Vigne

Followed by welcome wine reception and photographic exhibition "Current Kurdish Transhumance in the north of the ancient Fertile Crescent" by Michaël Thevenin

## **SATURDAY 10 NOVEMBER**

*ORAL PAPERS* (09:20 – 17:10)

### **Terminal Epipalaeolithic Site Locations in the Southern Levant – Foreshadowing the Neolithic?**

A. Belfer-Cohen, A.N. Goring-Morris and L. Grosman

### **WF16: Environmental context of a Pre-Pottery Neolithic A settlement embedded within the process of Neolithisation**

Steven Mithen and Bill Finlayson

### **Current Research on the Origins of Agriculture, Animal Herding and Sedentism in the Zagros Mountains of Iran and Iraq**

Roger Matthews, Wendy Matthews, Yaghoub Mohammadifar, Kamal Rasheed, Robin Bendrey, Sarah Elliott, Amy Richardson and Jade Whitlam

### **A Question of Territory: a multi-scale approach to Pre-Pottery Neolithic Settlement Systems in the Lower Galilee, Israel**

M. Birkenfeld and A.N. Goring-Morris

### **The Neolithic of the Iranian Central Plateau through the study of archaeobotanical remains: the case of Tape Sialk**

Hengameh Ilkhani and Alexandra Livarda

### **Isotopic evidence for the earliest use of ceramics in cooking meats and processing milk from sheep and goats at Hotu and Belt Caves, northern Iran**

Michael W. Gregg and Greg F. Slater

### **The spread of farming; the environmental and social context of adoption, adaptation, rejection in early Holocene central Anatolia**

Douglas Baird

### **Destructive delicacies: wild boar in the Neolithic of Anatolia**

Louise A Martin & Yvonne H Edwards

### **Pig domestication and human migration from Anatolia to Europe (and back again)**

Claudio Ottonia, Linus Girdland Flink, Allowen Evin, Christina Geörgi, Bea De Cupere, Wim Van Neer, László Bartosiewicz, Anna Linderholm, Ross Barnett, Joris Peters, Ronny Decorte, Marc Waelkens, Nancy Vanderheyden, François-Xavier Ricaut, A. Rus Hoelzel, Marjan Mashkour, Azadeh Fatemeh Mohaseb Karimluh, Shiva Sheikhi Seno, Julie Daujat, Fiona Brock, Ron Pinhasi, Hitomi Hongo, Miguel Perez-Enciso, Morten Rasmussen, Laurent Frantz, Hendrik-Jan Megens, Richard Crooijmans, Martien Groenen, Benjamin Arbuckle, Nobert Benecke, Una Strand Vidarsdottir, Joachim Burger, Thomas Cucchi, Keith Dobney, and Greger Larson

### **Stable isotope evidence for changes in human diet from the Epi-Palaeolithic to the Neolithic in Anatolia**

Jessica Pearson

### **Two different roads to domestication? Caprine and cattle management (13,000–5,000 BC cal) in the Konya Plain of Central Anatolia: an approach using carbon and nitrogen isotopes.**

Caroline Middleton

### **Neolithisation Process in North China: Geoarchaeological Investigation at two Early Neolithic Sites**

Yijie Zhuang

**Application of GIS Techniques in Exploring Settlement Patterns of the Neolithic Communities in South India**

Opangtula Imsong

**No Flies on Us: The Diffusion of the Neolithic in Africa**

Lee G Broderick, Mary Prendergast, Oula Seitsonen, Katherine Grillo, Agnes Gidna and Audax Mabulla

**Reconstructing the environmental changes at Vinča – Belo brdo**

Kristina Penezić

**Diet and subsistence variation in the early Neolithic of central Europe**

Julie Hamilton, Robert Hedges, Penny Bickle, R. Alexander Bentley, Linda Fibiger, Daniela Hofmann and Alasdair Whittle

*AEA annual AGM* (17:20 – 18:20)

*Conference dinner* (19:30)

**SUNDAY 11 NOVEMBER**

*ORAL PAPERS* (09:20 – 17:10)

**Neolithisation and woodland management: can woodland management be recognised by branch age and diameter analysis?**

Welmoed Out, Kirsti Hänninen and Caroline Vermeeren

**Socioecological dynamics at the time of Neolithic transition in Iberia.**

Joan Bernabeu Aubán, Oreto García Puchol, C. Michael Barton, Sarah B. McClure and Salvador Pardo Gordo

**Crop water availability and origins of agriculture in the western Mediterranean: insights from carbon-13 analysis of cereals and wild flora associated to early Neolithic farming**

Mònica Aguilera, Guillem Pérez, Juan Pedro Ferrio, Ramon Buxó, José Luis Araus, Leonor Peña-Chocarro and Jordi Voltas

**Zooarchaeology in the Neolithic and Chalcolithic of Portugal**

Maria João Valente and António Faustino Carvalho

**An integrated perspective on farming in the Early Neolithic lakeshore site of La Draga (Banyoles, Spain)**

F Antolín, R Buxó, S Jacomet, V Navarrete and M Saña

**Wild and domestic animals in the earliest Neolithic sites in southern Britain**

Dale Serjeantson

**The causes of the Neolithic elm decline: New evidence from the Lower Thames Valley for human activity and disease**

C R Batchelor

**Variations on a theme: detailing cattle and pig exploitation in Early Neolithic Britain.**

Sarah Viner

**The Ecodynamics of Neolithic Clearance in the British Isles**

Mark Robinson

**Late Neolithic Wiltshire Ham: Recent discoveries from Marden Henge, Wiltshire, UK**

Fay Worley

**Picturing Stonehenge: providing the evidence base to inform the interpretation content of the new visitor centre**

Gill Campbell, Matt Canti, Susan Greaney, Zoë Hazell, Jonathan Last, Ruth Pelling, Simon Mays and Fay Worley

**Neolithisation and the landscape of Ireland**

M J Bunting, N J Whitehouse, P Barratt, R Schulting, R Marchant, A Bogaard and M McClatchie

**Milking the megafauna: the implications of dairying in the Irish Neolithic**

Jessica Smyth and Richard P Evershed

**The Mesolithic-Neolithic transition in Shetland: Osteological evidence from a shell midden**

Rebecca Nicholson, Fay Worley and Nigel Melton

**Reconstructing the landscapes of Neolithisation in Orkney, Scotland**

Michelle Farrell and M. Jane Bunting

**Storakaig: Environmental archaeology at the Mesolithic/Neolithic interface of Western Scotland**

Steven Mithen and Karen Wicks

**POSTER SESSION**

**Akanthou-Arkosykos, a 9th Millennium Coastal Settlement in Cyprus**

Müge Şevketoğlu

**First results of charcoal and phytolith analysis from Neolithic layers of Buran-Kaya IV (Crimea, Ukraine)**

Aurélie Salavert, Erwan Messager, Vincent Lebreton, Natalia Gerasimenko, Simon Puaud, Laurent Crépin, Stéphane Péan, Masayoshi Yamada and Alexander Yanevich

**Early oleiculture or native wild *Olea* in Eastern Maghreb: new pollen data from the sebkha-lagoon Halk-el-Menjel (Hergla, Central Tunisia)**

Vincent Lebreton, Amor Mokhtar Gammar, Sahbi Jaouadi, Simone Mulazzani, Lotfi Belhouchet, Abdelkarim Boujelben, Jean-François Saliege, Mohamed Raouf Karray and Eric Fouache

**Shell Middens in the Late Pleistocene and Early Holocene in North Africa: Ongoing Work at Taforalt (Grotte des Pigeons), Morocco**

Victoria Taylor

**Early agriculture in northern Africa: first archaeobotanical data from sites in Morocco**

Leonor Peña-Chocarro, Youssef Bokbot, Jacob Morales Mateos, Guillem Pérez Jordà, Lydia Zapata, and Juan Carlos Vera Rodríguez

**Vegetation history, climate change and the Neolithisation of the northern Apennines, Italy**

Stuart Black, Nicholas Branch, Roberto Maggi, Sophie Neville and Mike Simmonds

**Stable isotopic evidence and animal management practices in Neolithic Dalmatia**

Sarah McClure, Emil Podrug, Douglas Kennett and Emily Zavodny

**Plant macro-remains from the early Neolithic site of Smólsk in the Kujawy region, central Poland**

Aldona Mueller, Katarzyna Cywa and Błażej Muzolf

**Abri des Castelli – 2140m asl: a Neolithic occupation in the Corsican mountain**

S Mazet, JM Bontempi and N Marini

**Wild and domestic pigs (*Sus scrofa domesticus* and *Sus scrofa ferus*) in Prehistoric Times of Romania: paleoeconomical importance**

Simina Stanc, Luminița Bejenaru and Mariana Popovici

**Morphometric data for suines (*Sus scrofa domesticus* and *Sus scrofa ferus*) for Precucuteni-Cucuteni and Boian-Gumelnita cultures, in Romania**

Mariana Popovici, Adrian Balasescu, Simina Stanc and Luminita Bejenaru

**The ratio of domestic and wild animals on the Neolithic sites in Vojvodina (Serbia)**

Darko Radmanović, Desanka Kostić, Jelena Lujčić and Svetlana Blažić

**Changes in prehistoric landscapes: archaeozoological data on Poduri tell (Bacau County, Romania)**

Luminita Bejenaru and Simina Stanc

**The introduction of agriculture into Ireland: evidence from plant macro-remains**

Meriel McClatchie, Nicki Whitehouse, Amy Bogaard, Sue Colledge, Rick Schulting, Phil Barratt and Rowan McLaughlin

**Environmental change and human impact across the Mesolithic-Neolithic transition of NW Europe: new data from March Hill, N. England**

S E Kneen, J J Blackford, P A Ryan and J B Innes

**MONDAY 12 NOVEMBER**

***Optional excursion*** – Avebury World Heritage Site (09:00 – 17:00)

Led by Professor Richard Bradley (University of Reading), including Avebury henge and stone circles, Silbury Hill and West Kennet long barrow.

**Conference organisers:**

Robin Bendrey, Sarah Elliott, Wendy Matthews, Amy Richardson, and Jade Whitlam

Department of Archaeology, University of Reading, Whiteknights, PO Box 226, Reading, RG6 6AB, UK



**Association for Environmental Archaeology  
Registration Form**  
*Environmental Archaeologies of Neolithisation*  
**University of Reading (UK), 9-12 November 2012**

Name:			
Affiliation:			
Address:			
Email address:			
Special requirements (e.g. dietary or access):			
	<b>2 days</b>	<b>Saturday</b>	<b>Sunday</b>
Registration, AEA member*	..... x £100	..... x £70	..... x £70
Registration, AEA student*	..... x £70	..... x £50	..... x £50
Registration, non-member*	..... x £110	..... x £80	..... x £80
Registration, non-member student*	..... x £80	..... x £60	..... x £60
Friday 9 <sup>th</sup> November: Keynote address and welcome wine reception	FREE – Attending?		Yes / No
Saturday 10 <sup>th</sup> November: Conference dinner			..... x £25
Monday 12 <sup>th</sup> November: Excursion – Guided tour of Avebury and environs			..... x £25
	<b>TOTAL</b>		£..... ..

\*includes lunch, coffee and tea, welcome reception on Friday and conference pack

Please send completed forms and cheques (made out to 'University of Reading') to:

Amy Richardson  
Wager Building  
Whiteknights  
PO Box 227  
RG6 6AB  
UK

Those wishing to pay by credit card can do so via the online on-line registration system:

[http://www.store.reading.ac.uk/browse/extra\\_info.asp?compid=2&modid=2&prodid=138&deptid=18&catid=11](http://www.store.reading.ac.uk/browse/extra_info.asp?compid=2&modid=2&prodid=138&deptid=18&catid=11)

Early registration closes Monday 15th October 2012, after this date a late booking fee will apply.

Accommodation for the conference cannot be provided on campus. A list of local hotels will be made available on the conference webpage: [www.reading.ac.uk/AEA2012](http://www.reading.ac.uk/AEA2012)