

367 AGENT-BASED MODELLING OF SOCIO-ECOLOGICAL SYSTEMS IN ARCHAEOLOGY. TOWARDS A NEW RESEARCH COMMUNITY

Room: Building C, room 328
Time: 16:30 - 18:30
Theme: 6. A Decade after the 'Third Science Revolution in Archaeology'
Format: Regular session
Organisers: Daems, Dries (Middle East Technical University) - Verhagen, Philip (Vrije Universiteit Amsterdam) - Romanowska, Iza (Aarhus Institute of Advanced Studies)

PAPERS

- 16:30 TWO ABM APPROACHES TO THE SPREAD OF THE NEOLITHIC IN THE WESTERN MEDITERRANEAN**
 Fort, Joaquim (Universitat de Girona)
- 16:45 POLISABM: MODELLING URBAN SYSTEMS AND SOCIAL COMPLEXITY IN THE EASTERN MEDITERRANEAN**
 Daems, Dries (Middle East Technical University)
- 17:00 MODELLING HUNTING BEHAVIOR IN ARID LANDSCAPES USING EMPIRICAL DATA ON SAN HUNTER-GATHERER MOVEMENTS AND DECISION-MAKING**
 Cobo Sánchez, Lucía - Paliou, Eleftheria - Lenssen-Erz, Tilman (University of Cologne)
- 17:15 DELINEATING SITE CATCHMENTS WITH AGENT-BASED MODELLING**
 Romanowska, Iza (Aarhus University)
- 17:30 DEVELOPING BEST PRACTICES FOR AN OPEN LIBRARY OF ARCHAEOLOGICAL ABM MODULES: LESSONS LEARNED FROM OTHER INITIATIVES**
 Angourakis, Andreas (Institute for Archaeological Studies, Ruhr University Bochum; McDonald Institute for Archaeological Research, University of Cambridge) - Riede, Felix (School of Culture and Society, Aarhus University) - Romanowska, Iza (Aarhus Institute of Advanced Studies, Aarhus University) - Verhagen, Philip (Vrije Universiteit Amsterdam) - Saqalli, Mehdi (GEODE, Université Toulouse II - Jean Jaurès) - Taelman, Devi (Department of History, Archaeology, Arts, Philosophy and Ethics, Vrije Universiteit Brussel) - Vlach, Marek (Institute of Archaeology of the Czech Academy of Sciences) - Sikk, Kaarel (Masaryk University) - Galán Ordax, José Manuel (Universidad de Burgos) - Brughmans, Tom (School of Culture and Society, Aarhus University)

17:45 SUBSISTENCE, SURPLUS AND TRADE ALONG THE LOWER GERMANIC LIMES: MODELLING RURAL-URBAN SOCIO-ECONOMIC INTERACTIONS

Verhagen, Philip (Vrije Universiteit Amsterdam) - Romanowska, Iza (Aarhus Institute of Advanced Studies, Aarhus University)

18:00 MODELLING CHIEFDOM SOCIETIES OF THE MIDDLE DANUBE DURING THE ROMAN PERIOD

Vlach, Marek - Komoróczy, Balázs (Institute of Archaeology of the Academy of Sciences of the Czech Republic Brno)

18:15 DISCUSSION SLOT

371 POPULATION HISTORY AND COMMUNITY FORMATION IN EARLY MEDIEVAL EAST-CENTRAL EUROPE: INTEGRATING GENETIC, ISOTOPIC, ARCHAEOLOGICAL AND HISTORICAL PERSPECTIVES

Room: Building A, room 150
Time: 8:30 - 18:00
Theme: 3. The Carpathian Basin: Integration, Mobility and Diversity
Format: Regular session
Organisers: Vida, Tivadar (Institute of Archaeological Sciences, Eötvös Loránd University, Budapest; Institute of Archaeology, Research Center for Humanities, Eötvös Loránd Research Network, Budapest) - Hofmanová, Zuzana (Max Planck Institute for Evolutionary Anthropology, Leipzig; Department of Archaeology and Museology, Masaryk University, Brno) - Koncz, István (Institute of Archaeological Sciences, ELTE - Eötvös Loránd University, Budapest) - Szécsényi-Nagy, Anna (Institute of Archaeogenomics, Research Centre for the Humanities, Eötvös Loránd Research Network, Budapest) - Knipper, Corina (Curt-Engelhorn-Centre of Archaeometry, Mannheim)

PAPERS

8:30 INTRODUCTION

8:45 INTEGRATIVE ARCHAEOLOGICAL AND ARCHAEOGENOMIC DATABASE FOR STUDYING THE POPULATION HISTORY OF THE HUN PERIOD

Vyazov, Leonid (University of Ostrava) - Flegontov, Pavel (University of Ostrava Harvard University) - Işıldak, Ulaş (University of Ostrava; Middle East Technical University, Ankara) - Flegontova, Olga - Sagmanova, Gulnaz (University of Ostrava)

9:00 Y-CHROMOSOME ANALYSIS OF GOTHS FROM THE MASLOMECZ GROUP CEMETERIES IN SOUTHEASTERN POLAND

Golubinski, Michal - Baca, Mateusz - Molak, Martyna - Popović, Danijela (Centre of New Technologies, University of Warsaw) - Kokowski, Andrzej (Institute of Archeology, Maria Curie-Skłodowska University, Lublin) - Węgleński, Piotr (Centre of New Technologies, University of Warsaw)

9:15 DISCUSSION SLOT

9:30 SNAPSHOT INTO KINSHIP STRUCTURE AND POPULATION HISTORY OF A LATE AVAR-PERIOD COMMUNITY FROM GENOME-WIDE ANALYSES OF THE WHOLE RÁKÓCZIFALVA CEMETERY

Gnecchi Ruscone, Guido Alberto (Max Planck Institute for Evolutionary Anthropology, Leipzig) - Rácz, Zsófia - Samu, Levente (Institute of Archaeological Sciences, Eötvös Loránd University) - Szeniczey, Tamás (Dept of Biological Anthropology, Eötvös Loránd University) - Traverso, Luca (Max Planck Institute for Evolutionary Anthropology, Leipzig) - Schmid, Magda (Kiel University) - Hajdu, Tamás (Dept of Biological Anthropology, Eötvös Loránd University) - Vida, Tivadar (Institute of Archaeological Sciences, Eötvös Loránd University; Institute of Archaeology, Research Centre for the Humanities, Eötvös Loránd Research Network) - Krause, Johannes (Max Planck Institute for Evolutionary Anthropology, Leipzig) - Hofmanová, Zuzana (Max Planck Institute for Evolutionary Anthropology, Leipzig; Department of Archaeology and Museology, Faculty of Arts, Masaryk University)

9:45 KINSHIP RELATIONS AND SPATIAL ORGANIZATION IN A LATE AVAR-PERIOD CEMETERY: ARCHAEOLOGICAL PERSPECTIVES ON THE RÁKÓCZIFALVA SITE (CENTRAL HUNGARY)

Rácz, Zsófia (Institute of Archaeological Sciences, Eötvös Loránd University) - Gnecchi Ruscone, Guido Alberto (Max Planck Institute for Evolutionary Anthropology, Leipzig) - Samu, Levente (Institute of Archaeological Sciences, Eötvös Loránd University) - Szeniczey, Tamás (Department of Biological Anthropology, Eötvös Loránd University) - Traverso, Luca (Max Planck Institute for Evolutionary Anthropology, Leipzig) - Schmid, Magdalena M. E. (Kiel University) - Hajdu, Tamás (Department of Biological Anthropology, Eötvös Loránd University) - Hofmanová, Zuzana (Max Planck Institute for Evolutionary Anthropology, Leipzig; Department of Archaeology and Museology, Faculty of Arts, Masaryk University, Brno) - Krause, Johannes (Max Planck Institute for Evolutionary Anthropology, Leipzig) - Vida, Tivadar (Institute of Archaeological Sciences, Eötvös Loránd University; Institute of Archae-

ology, Research Centre for the Humanities, Eötvös Loránd Research Network, Budapest)

10:00 CHILDHOOD OF THE AVARS AND GEPIDS: RECONSTRUCTING DIET AND WEANING PRACTICES USING STABLE ISOTOPIC ANALYSIS AND MULTIPLE TISSUES

Verostick, Kirsten (Department of Geology and Geophysics, University of Utah, Salt Lake City) - Hajdu, Tamás - Szeniczey, Tamás (Department of Biological Anthropology, Institute of Biology, Faculty of Science, Eötvös Loránd University) - Farkas, Zoltán (Salisbury Ltd., Budaörs) - Dani, János (Déri Museum, Debrecen) - Bernert, Zsolt (Hungarian Natural History Museum, Budapest) - Masek, Zsófia (Institute of Archaeological Sciences, Eötvös Loránd University) - Kovács, Péter (Department of Archaeology, Damjanich János Museum, Szolnok) - Hoppál, Krisztina (MTA-ELTE-SZTE Silk Road Research Group, Eötvös Loránd Research Network) - Rácz, Zsófia (Institute of Archaeological Sciences, Eötvös Loránd University)

10:15 DISCUSSION SLOT

11:00 HOW ARCHAEOLOGY AND ANTHROPOLOGY CAN BUILD ON ADNA ANALYSES OF ENTIRE CEMETERIES

Tobias, Bendeguz (Institute of Medieval Research, Austrian Academy of Sciences) - Berner, Margit - Pany-Kucera, Doris - Eggers, Sabine - Klostermann, Paul - Koger, Robin (Department of Anthropology, Natural History Museum Vienna) - Hofmanova, Zuzana - Wang, Ke (Max Planck Institute for Evolutionary Anthropology Leipzig) - Daim, Falko (Institute for Prehistory and Historic Archaeology - University of Vienna) - Pohl, Walter (Institute of Medieval Research, Austrian Academy of Sciences)

11:15 ANCIENT DNA REVEALS THE SETTLEMENT OF AVAR COMMUNITY IN LOWER AUSTRIA DURING EARLY MEDIEVAL PERIOD

Wang, Ke (Max Planck Institute for Evolutionary Anthropology, Leipzig) - Tobias, Bendeguz (Institute of Medieval Research, Austrian Academy of Sciences, Vienna) - Berner, Margit - Pany-Kucera, Doris (Department of Anthropology, Natural History Museum Vienna) - Ingrová, Pavlína (Department of Archaeology and Museology, Masaryk University, Brno) - Eggers, Sabine (Department of Anthropology, Natural History Museum Vienna) - Daim, Falko (Institute of Medieval Research, Austrian Academy of Sciences, Vienna) - Pohl, Walter (Department of Anthropology, Natural History Museum Vienna) - Krause, Johannes (Max Planck Institute for Evolutionary Anthropology, Leipzig) - Hofmanová, Zuzana (Max Planck Institute for Evolutionary Anthropol-

gy, Leipzig; Department of Archaeology and Museology, Masaryk University, Brno)

11:30 BIOLOGICAL KINSHIP PATTERNS IN AN EARLY MEDIEVAL GRAVEYARD OF THE RHEINLAND AS PART OF THE FRANKISH KINGDOM

Lacher, Laura - Schiffels, Stephan - Gretzinger, Joscha (Max Planck Institute for Evolutionary Anthropology) - Pääffgen, Bernd (Ludwig-Maximilians-Universität München) - Krause, Johannes (Max Planck Institute for Evolutionary Anthropology)

11:45 DISCUSSION SLOT

12:00 POPULATION DYNAMICS AND HISTORY OF SOUTH MORAVIA DURING THE 2ND HALF OF THE 5TH AND THE 6TH CENTURIES AD

Loskotová, Zuzana (Archeologický ústav AV ČR, Brno)

12:15 CONTINUITY AND DISCONTINUITY PRECEDING THE FORMATION OF GREAT MORAVIA IN POHANSKO REGION

Zlámalová, Denisa (Masarykova univerzita) - Schultz, Ilektra (Department of Biology, University of Fribourg; Swiss Institute of Bioinformatics, Lausanne) - Gneccchi-Ruscone, Guido - Traverso, Luca (Max Planck Institute for Evolutionary Anthropology, Leipzig) - Dresler, Petr (Department of Archaeology and Museology, Masaryk University, Brno) - Přichystalová, Renáta - Morris, Sam (UCL Genetics Institute, University College London) - Macháček, Jiří (Department of Archaeology and Museology, Masaryk University, Brno) - Wegmann, Daniel (Department of Biology, University of Fribourg; Swiss Institute of Bioinformatics, Lausanne) - Hofmanová, Zuzana (Department of Archaeology and Museology, Masaryk University, Brno; Max Planck Institute for Evolutionary Anthropology, Leipzig)

12:30 SLAVS OR MAYBE NOT? RADIOCARBON DATING OF CREMATED BONES FROM "PĀUCA - HUNGARIAN CHURCH SITE" (ROMANIA, SIBIU COUNTY)

Tiplic, Ioan Marian (Lucian Blaga University of Sibiu)

12:45 DISCUSSION SLOT

14:00 AN INTEGRATIVE GENETICS APPROACH FOR STUDYING DISEASE IN EARLY MEDIEVAL EUROPE

Hiss, Alina - Gneccchi Ruscone, Guido - Traverso, Luca - Wang, Ke (Max Planck Institute for Evolutionary Anthropology, Leipzig) - Vida, Tivadar (Institute of Archaeological Sciences, Eötvös Loránd University, Budapest; Institute of Archaeology, Research Center for Humanities, Eötvös Loránd Research Network, Budapest) - Pohl, Walter (Institute for Medieval Research, Austrian Academy of Sciences, Vienna; Department of History, University of Vienna) - Geary, Patrick (Institute for Advanced Study, Princeton) - Hofmanová, Zuzana (Max Planck Institute for

Evolutionary Anthropology, Leipzig; Department of Archaeology and Museology, Masaryk University, Brno) - Herbig, Alexander - Krause, Johannes (Max Planck Institute for Evolutionary Anthropology, Leipzig)

14:15 WHAT WAS IT LIKE LIVING WITH LEPROSY IN THE AVAR AGE COMMUNITY OF KISKUNDOROZSMA-KETTŐSHATÁR I (HUNGARY)? - A CASE STUDY

Spekker, Olga (Department of Biological Anthropology, University of Szeged; Institute of Archaeological Sciences, Eötvös Loránd University) - Tihanyi, Balázs (Department of Biological Anthropology, University of Szeged; Department of Archaeogenetics, Institute of Hungarian Research, Budapest) - Kis, Luca (Department of Biological Anthropology, University of Szeged; Department of Archaeogenetics, Institute of Hungarian Research, Budapest) - Szalontai, Csaba (Archaeological Heritage Protection Directorate, Hungarian National Museum, Budapest) - Vida, Tivadar (Institute of Archaeological Sciences, Eötvös Loránd University) - Pálfi, György - Marcsik, Antónia - Molnár, Erika (Department of Biological Anthropology, University of Szeged)

14:30 POSTMARITAL RESIDENCE PRACTICES IN THE AVAR PERIOD EASTERN TRANS-DANUBIA, HUNGARY

Szeniczey, Tamás (Department of Biological Anthropology, Institute of Biology, Faculty of Science, Eötvös Loránd University) - Kiss, Krisztián (Department of Biological Anthropology, Institute of Biology, Faculty of Science, Eötvös Loránd University; Department of Anthropology, Hungarian Natural History Museum) - Líbor, Csilla (Department of Biological Anthropology, Institute of Biology, Faculty of Science, Eötvös Loránd University, Budapest, Hungary; Szent István Király Museum) - Marcsik, Antónia (Department of Biological Anthropology, University of Szeged) - Hajnal, Zsuzsanna (Hungarian National Museum) - Szücsi, Frigyes (Szent István Király Museum) - Rácz, Zsófia (Department of Hungarian Medieval and Early Modern Archaeology, Institute of Archaeological Sciences, Eötvös Loránd University) - Hajdu, Tamás (Department of Biological Anthropology, Institute of Biology, Faculty of Science, Eötvös Loránd University)

14:45 DISCUSSION SLOT

15:00 COMPARATIVE ANALYSES OF SOCIOCULTURAL CHANGES AND GENETIC TRANSITIONS IN THE AVAR PERIOD SOUTHERN-TRANS-DANUBIA

Gyuris, Balázs (Institute of Archaeogenomics, Research Centre for the Humanities, Eötvös Loránd Research Network; Department of Genetics, ELTE-Eötvös Loránd University, Budapest) - Vida, Tivadar (Institute of Archaeological Sciences, Eötvös Loránd University, Budapest; Institute of Archaeology, Research Center for Humanities, Eötvös Loránd Research Network, Budapest) - Hajnal, Zsuzsanna (Hungarian

National Museum) - Szeniczey, Tamás (ELTE Department of Biological Anthropology, ELTE-Eötvös Loránd University, Budapest) - Rácz, Zsófia (Institute of Archaeological Sciences, Eötvös Loránd University, Budapest) - Mende, Balázs G. (Institute of Archaeogenomics, Research Centre for the Humanities, Eötvös Loránd Research Network) - Hofmanová, Zuzana (Department of Archaeology and Museology, Masaryk University, Brno; Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany) - Knipper, Corina (Curt-Engelhorn-Centre of Archaeometry, Mannheim) - Krause, Johannes (Max Planck Institute for Evolutionary Anthropology, Leipzig) - Szécsényi-Nagy, Anna (Institute of Archaeogenomics, Research Centre for the Humanities, Eötvös Loránd Research Network)

15:15 **DIETARY AND CULTURAL DIFFERENCES BETWEEN NEIGHBOURING COMMUNITIES: A CASE STUDY ON THE AVAR PERIOD CARPATHIAN BASIN**
Gulyás, Bence - Faragó, Norbert (ELTE) - Szenthe, Gergely (Hungarian National Museum)

15:30 **THE ISSUE OF CONTINUITY OF POPULATION HISTORY BETWEEN 8-12TH CENTURIES IN CARPATHIAN BASIN BASED ON ARCHAEOGENETIC RESULTS OF FOUR CEMETERIES**

Csáky, Veronika (Institute of Archaeogenomics, Research Centre for the Humanities, Eötvös Loránd Research Network, Budapest) - Szeifert, Bea (Institute of Archaeogenomics, Research Centre for the Humanities, Eötvös Loránd Research Network, Budapest; Doctoral School of Biology, Institute of Biology, ELTE Eötvös Loránd University, Budapest) - Gerber, Dániel (Institute of Archaeogenomics, Research Centre for the Humanities, Eötvös Loránd Research Network, Budapest; Doctoral School of Biology, Institute of Biology, ELTE Eötvös Loránd University, Budapest) - Szőke, Béla (Institute of Archaeology, Research Centre for the Humanities, Eötvös Loránd Research Network, Budapest) - Merva, Szabina (Freelancer) - Évinger, Sándor (Department of Anthropology, Hungarian Natural History Museum, Budapest) - Líbor, Csilla (King St. Stephen Museum, Székesfehérvár) - Petkes, Zsolt (Gyula Siklósi Research Centre for the History of the City of Székesfehérvár) - Mende, Balázs (Institute of Archaeogenomics, Research Centre for the Humanities, Eötvös Loránd Research Network, Budapest; Institute of Archaeology, Research Centre for the Humanities, Eötvös Loránd Research Network, Budapest) - Szécsényi-Nagy, Anna (Institute of Archaeogenomics, Research Centre for the Humanities, Eötvös Loránd Research Network, Budapest)

15:45 **DISCUSSION SLOT**

16:30 **POPULATION DYNAMICS IN THE ODER AND VISTULA BASINS AS INFORMED BY NOVEL GENOME-WIDE DATA**

Molak, Martyna - Golubinski, Michal - Popović, Danijela - Baca, Mateusz - Węgleński, Piotr (University of Warsaw)

16:45 **BIOARCHAEOLOGICAL STUDY OF MEDIEVAL POPULATIONS BETWEEN THE DNIEPER AND DNIESTER VALLEYS**

Szeifert, Bea (Institute of Archaeogenomics, Research Centre for the Humanities, Eötvös Loránd Research Network - ELKH, Budapest; Doctoral School of Biology, Institute of Biology, ELTE Eötvös Loránd University, Budapest) - Gyuris, Balázs (Institute of Archaeogenomics, Research Centre for the Humanities, Eötvös Loránd Research Network - ELKH, Budapest; Doctoral School of Biology, Institute of Biology, ELTE Eötvös Loránd University, Budapest) - Gerber, Dániel (Institute of Archaeogenomics, Research Centre for the Humanities, Eötvös Loránd Research Network - ELKH, Budapest; Doctoral School of Biology, Institute of Biology, ELTE Eötvös Loránd University, Budapest) - Telnov, Nikolaj (Institute of Cultural Heritage, Academy of Sciences of Moldova, Kishinev) - Sinika, Vitalij - Kvitnytskyi, Maksym (Pridnestrovian State University named after T. G. Shevchenko, Tiraspol) - Komar, Oleksii (Institute of Archaeology, National Academy of Sciences of Ukraine, Kyiv) - Türk, Attila (Institute of Archaeological Sciences, Faculty of Humanities and Social Sciences, Pázmány Péter Catholic University, Budapest; Hungarian Prehistory Researchgroup, Research Centre for the Humanities, Eötvös Loránd Research Network - ELKH, Budapest) - Mende, Balázs - Szécsényi-Nagy, Anna (Institute of Archaeogenomics, Research Centre for the Humanities, Eötvös Loránd Research Network - ELKH, Budapest)

17:00 **DIVERSITY, COMMUNITY FORMATION, AND SOCIAL STRUCTURE IN THE EARLY MEDIEVAL CARPATHIAN BASIN – ARE WE THERE YET?**

Szabó, Dóra (University of Exeter)

17:15 **DISCUSSION SLOT**

POSTERS

A. **YOU EAT WHAT YOU HAVE - SOCIAL DIFFERENCE AND FOOD CONSUMPTION IN AN EARLY MEDIEVAL COMMUNITY**

Koncz, István - Faragó, Norbert (Institute of Archaeological Sciences, ELTE - Eötvös Loránd University, Budapest) - Pap, Ildikó (Savaria Museum, Szombathely) - Tugya, Beáta (Thúry György Museum, Nagykanizsa) - Tóth, Gábor (Department of Biology, Berzsenyi Dániel Teacher Training Centre, Savaria University Centre, ELTE - Eötvös Loránd University, Szombathely) - Vida, Tivadar (Institute of Archaeological

Sciences, ELTE - Eötvös Loránd University, Budapest) - Knipper, Corina (Curt-Engelhorn-Zentrum Archäometrie gGmbH, Mannheim)

B. POPULATION HISTORY OF EARLY MEDIEVAL UKRAINE

Saag, Lehti (University College London) - Utevska, Olga - Zadnikov, Stanislav - Shramko, Irina (V. N. Karazin Kharkiv National University) - Scheib, Christiana (University of Tartu; University of Cambridge) - Anastasiadou, Kyriaki - Kelly, Monica - Gilardet, Alexandre - Skoglund, Pontus (The Francis Crick Institute) - Thomas, Mark (University College London)

375 THE SOCIETAL IMPACTS OF CLIMATE CHANGES IN THE PAST – WHAT CAN HUNTER-GATHERER ARCHAEOLOGY CONTRIBUTE TO THE CURRENT DEBATE?



Room: Building A, room 329

Time: 16:30 - 18:30

Theme: 5. Climate Change and Socioenvironmental Perspectives

Format: Session with presentation of 6 slides in 6 minutes

Organisers: Grimm, Sonja (CRC 1266 Scales of Transformation; ZBSA - Centre for Baltic and Scandinavian Archaeology) - Nyland, Astrid (Museum of Archaeology, University of Stavanger) - Riede, Felix (School of Culture and Society, Aarhus University) - Wygal, Brian (Environmental Studies and Sciences, Adelphi University)

PAPERS

16:30 INTRODUCTION

16:36 CONTINUITY AND CHANGE AT THE MESOLITHIC-NEOLITHIC TRANSITION ON THE NORWEGIAN WEST COAST: INSIGHTS GAINED FROM PREHISTORIC DEMOGRAPHY AND CULTURAL EVOLUTION

Lundström, Victor - Bergsvik, Knut (University Museum, University of Bergen)

16:42 RECONCILING LATE PLEISTOCENE ENVIRONMENTAL ARCHAEOLOGY IN ALASKA WITH THE FUTURE OF HUMANITY ON EARTH

Wygal, Brian (Adelphi University, New York)

16:48 DISCUSSION SLOT

17:06 WEATHER-WATER-MESOLITHIC WORLDS

Nyland, Astrid (Museum of Archaeology, University of Stavanger)

17:12 CLIMATE CHANGE AND ENVIRONMENTAL RISK PERCEPTION ON PREHISTORIC COASTAL COMMUNITIES

Fernández-López de Pablo, Javier (I.U. I en Arqueología y Patrimonio Histórico - INAPH, University of Alicante)

17:18 DISCUSSION SLOT

17:24 OUR HUNTER-GATHERER FUTURE? EVALUATING THE EFFICACY OF FORAGER-INSPIRED UNCIVILIZATION SCENARIOS FOR THE FUTURE OF HUMANITY UNDER CLIMATE CHANGE

Riede, Felix (Department of Archaeology and Heritage Studies Aarhus University)

17:30 USING THE GRAVETTIAN-SOLUTREAN TRANSITION TO CREATE AWARENESS OF CURRENT CLIMATE CHANGE: THE EXAMPLE OF PORTELA 2 (PORTUGAL) PUBLIC ARCHAEOLOGY ACTIONS

Gameiro, Cristina (UNIARQ - Lisbon University) - Carvalho, Vânia (Leiria Museum) - Gomes, Telmo (Leiria SMAS) - José, Cátia (Leiria Museum) - Lucena, Armando (Independent researcher)

17:36 DISCUSSION SLOT

388 TOWARDS AN OPEN PLATFORM FOR COMPUTER SIMULATIONS OF PAST SOCIO-ECOLOGICAL SYSTEMS

Room: Building A, room 429

Time: 8:30 - 10:30

Theme: 6. A Decade after the 'Third Science Revolution in Archaeology'

Format: Round table

Organisers: Verhagen, Philip (Faculty of Humanities, Vrije Universiteit Amsterdam) - Daems, Dries (Institute of Social Sciences, Middle East Technical University, Ankara) - Romanowska, Iza (Aarhus Institute of Advanced Studies) - Hinz, Martin (Institut für Archäologische Wissenschaften, Universität Bern)



Archaeologists are increasingly relying on computer simulations to reconstruct and understand past societies. They are successfully building and running simulations of agrarian production, trade, settlement development and movement, to name a few. The current state of the field, however, is characterised by idiosyncrasy and limited communication and integration of the community, hampering the ability of modellers to cumulatively build on each other's work. This is predominantly due to the lack of appropriate tools and platforms enabling closer integration.

To remedy this situation, the NAS2A project (Network for Agent-based modelling of Socio-ecological Systems in Archaeology) is developing an open library of model algorithms and code for modelling of socio-ecological systems in archaeology.