

# BACK(BONE) TO THE FUTURE

Bioarchaeological Perspectives on Climate Change and Climate Crisis

2<sup>ND</sup> & 3<sup>RD</sup> DECEMBER 2021

14:00–19:00 (CET) @ ZOOM



**GROUND CHECK 2021**

organised by the Division of Natural Sciences – German Archaeological Institute

THURSDAY, 2<sup>ND</sup> DECEMBER 2021, 14:00 – 19:00 (CET)

## OPENING SESSION

14:00



**FRIEDERIKE FLESS**

*President of the German Archaeological Institute*

14:10



**FERRAN ANTOLÍN**

*Head of the Division of Natural Sciences, German Archaeological Institute*

## KEYNOTE LECTURE

14:20



**GWEN ROBBINS SCHUG**

BIOARCHAEOLOGY AT THE NEXUS OF PAST AND PRESENT CLIMATE CHANGE

*Appalachian State University / University of North Carolina*

## BREAK

## SESSION 1 – THREATENED BIOARCHIVES: CLIMATE CHANGE AND (BIO)CULTURAL HERITAGE

15:10

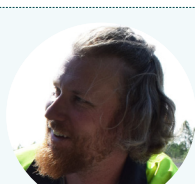


**ALBERT ZINK**

CLIMATE CHANGE AND GLACIER MUMMIES: THE EXAMPLE OF ÖTZI, THE ICEMAN

*Institute for Mummy Studies, Eurac Research*

15:25



**ADAM BOETHIUS**

THE EFFECTS OF CLIMATE CHANGE AND HUMAN ENCROACHMENT ON OUR CULTURAL HERITAGE – ORGANIC DEGRADATION AT THE SWEDISH MESOLITHIC BOG SITE AGERÖD 1

*Lund University*

15:40



**DIONE DA ROCHA BANDEIRA**

THE PRESERVATION OF SHELL MOUNDS OF BABITONGA BAY AND ENVIRONMENTAL CHANGES

*University of Joinville Region / Archaeological Museum Sambaqui*

15:55



**SAMANTI KULATILAKE<sup>1</sup> / PRIYANTHA KARUNARATNE<sup>2</sup> / NIMAL PERERA<sup>3</sup>**

THREATENED COASTAL SITES AND LOSS OF BIOARCHAEOLOGICAL HERITAGE: MINI-ATHILIYA AND GODAVAYA RESCUE OPERATIONS, SOUTHERN SRI LANKA

<sup>1</sup>Department of Sociology & Anthropology, Mount Royal University, Canada / <sup>2</sup>Department of Anthropology, Social Systems GIS Lab, University of Buffalo, USA / <sup>3</sup>National Archaeology Department, Sri Lanka

16:05



**IRMINE ROSHEM**

CLIMATE CHANGE EFFECTS ON HUMAN BONE PRESERVATION: A STUDY ON PICTISH DUNKELD AND LAIG USING UKCP18 PREDICTIONS

*University of Aberdeen*

16:15



**JØRGEN HOLLESEN**

CLIMATE IMPACTS ON GREENLAND'S FROZEN PAST

*The National Museum of Denmark*

16:25

**ROUNDTABLE**

## BREAK

## SESSION 2 – FROM CLIMATE RIDERS TO CLIMATE REFUGEES: CLIMATE CHANGE AND HUMAN EVOLUTION

17:15



**RICHARD POTTS**

ECOLOGICAL DISRUPTION AND THE EVOLUTION OF HUMAN ADAPTATIONS

*Smithsonian National Museum of Natural History*

17:30



**MICHAEL PETRAGLIA**

HABITATS AND HOMININ NICHES: NEW INSIGHTS FROM AFRICA TO ASIA

*Max Planck Institute for the Science of Human History*

17:45



**LOUISA LOVELUCK**

A SENSE OF AN ENDING: CLIMATE CHANGE IN IRAQ

*The Washington Post*

18:00



**MOKUA OMBATI**

SACRED ECOLOGY FOR CLIMATE CHANGE ADAPTATION OF THE ABAGUSII OF KENYA

*Anthropology and Human Ecology Department, Moi University, Eldoret, Kenya*

18:10



**ŁUKASZ POSPIESZNY**

SEIZED OPPORTUNITIES OF CLIMATE CRISIS? THE MILLET PRODUCERS AND CONSUMERS IN THE BRONZE AGE AND NOW

*Institute of Archaeology and Ethnology of the Polish Academy of Science in Poznan / School of Earth Sciences, University of Bristol*

18:20

**ROUNDTABLE**

## END OF DAY 1

For more information click [here](#)

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14:00



**CHOONGWON JEONG**  
UNDERSTANDING THE ORIGINS OF TIBETANS AND THEIR ALTITUDE ADAPTATIONS FROM A GENETIC PERSPECTIVE  
*Seoul National University*

## BREAK

## SESSION 3 – UNDER THE WEATHER: CLIMATE CHANGE AND (HUMAN) HEALTH

14:40



**HANNS-CHRISTIAN GUNGA**  
CLIMATE CHANGE AND THE IMPACT OF HEAT STRESS ON HUMAN PHYSIOLOGICAL FUNCTION  
*Charité – University Medicine Berlin*

14:55



**AIDA R. BARBERA<sup>1</sup> / KARL J. REINHARD<sup>2</sup> / MORGANA CAMACHO<sup>3</sup>**  
PARASITES IN ARCHAEOLOGY AS EVIDENCE FOR LONG-TERM INFECTION AND DISEASE  
<sup>1</sup>CELAT Research Center, Université Laval / <sup>2</sup>Pathoecology Laboratory, University of Nebraska-Lincoln / <sup>3</sup>Escola Nacional de Saúde Pública Sergio Arouca, Fundação Oswaldo Cruz

15:10



**SHARON DEWITTE**  
FAMINE AND PLAGUE: CLIMATE CHANGE, MORTALITY CRISES, AND HEALTH IN MEDIEVAL ENGLAND  
*University of South Carolina*

15:25



**ANNA DAVIES-BARRETT**  
DESERT DUST AND CITY SMOKE: INVESTIGATING THE IMPACT OF ENVIRONMENTAL ARIDIFICATION AND URBANISATION ON RESPIRATORY HEALTH IN THE PAST  
*Archaeology and Ancient History, University of Leicester*

15:35



**AIKATERINI GLYKOU<sup>1</sup> / GUNILLA ERIKSSON<sup>1</sup> / LEMBI LÕUGAS<sup>2</sup> / GIEDRĖ PILIČIAUSKIENĖ<sup>3</sup> / ULRICH SCHMÖLCKE<sup>4</sup> / KERSTIN LIDÉN<sup>1</sup>**  
THE IMPACT OF ENVIRONMENTAL CHANGE AND HUMAN EXPLOITATION ON THE BALTIC SEA HARP SEALS AND HUMAN SUBSISTENCE ADAPTATIONS  
<sup>1</sup>Archaeological Research Laboratory, Stockholm University, Sweden / <sup>2</sup>Archaeological Research Collection, Tallinn University, Estonia / <sup>3</sup>Department of Archaeology, Vilnius University, Lithuania / <sup>4</sup>Centre for Baltic and Scandinavian Archaeology (ZBSA), Germany

15:45

## ROUNDTABLE

## BREAK

## SESSION 4 – RISING TEMPERATURES AND RISING TENSIONS? CLIMATE CHANGE AND VIOLENCE

16:25



**REBECCA REDFERN**  
AN OVERVIEW OF VIOLENCE AND ENVIRONMENTAL CHANGE IN EUROPE FROM THE BRONZE AGE TO THE POST-MEDIEVAL PERIOD  
*Museum of London*

16:40



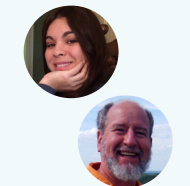
**MARK ALLEN**  
DROUGHT, RISING TEMPERATURES, AND INCREASED VIOLENCE: THE MEDIEVAL CLIMATIC ANOMALY IN WESTERN NORTH AMERICA  
*California State Polytechnic University*

16:55



**KIRA VINKE**  
CLIMATE CHANGE AND CONFLICTS IN THE 21<sup>ST</sup> CENTURY  
*Center for Climate and Foreign Policy, German Council on Foreign Relations*

17:10



**MORGANA CAMACHO<sup>1</sup> / KARL J. REINHARD<sup>2</sup>**  
MEGADROUGHT, VIOLENCE AND SOARING PARASITISM: A CASE FROM THE PREHISTORIC COLORADO PLATEAU  
<sup>1</sup>Escola Nacional de Saúde Pública Sergio Arouca, Fundação Oswaldo Cruz / <sup>2</sup>Pathoecology Laboratory, University of Nebraska-Lincoln

17:20



**ISABELLE CREVECOEUR**  
CLIMATE CHANGE AND INTERPERSONAL VIOLENCE AT THE END OF THE LATE PLEISTOCENE: A COMPREHENSIVE REANALYSIS OF THE JEBEL SAHABA CEMETERY  
*CNRS / Université de Bordeaux*

17:30



**MARICARMEN VEGA**  
LET'S RIOT! (OR BETTER NOT). CLIMATE CRISIS AND VIOLENCE AMONG THE LIMA AND YCHSMA FROM THE PERUVIAN CENTRAL COAST  
*GIBAF, Departamento de Humanidades, Pontificia Universidad Católica del Perú*

17:40

## ROUNDTABLE

## BREAK

## KEYNOTE LECTURE

18:20



**RYAN HARROD**  
BIOARCHAEOLOGY OF CLIMATE CHANGE AND VIOLENCE: ETHICAL CONSIDERATION IN 2021  
*Garrett College / University of Alaska Anchorage*

## CLOSING SESSION

18:50



**JULIA GRESKY / CHRISTIAN MEYER / EMMANUELE PETITI**  
CLOSING REMARKS  
*German Archaeological Institute*

## END OF CONFERENCE

For more information click [here](#)