INSTITUTE OF ARCHAEOLOGY OF CARDINAL STEFAN WYSZYŃSKI UNIVERSITY
IN WARSAW
DEPARTMENT OF CLIMATIC GEOLOGY, FACULTY OF GEOLOGY,
WARSAW UNIVERSITY

Invitation to participate in the

Third Geoarchaeological Conference in Warsaw

Impact of the Holocene rapid climate events
(8.2, 5.9, 4.2 ka and others)
on past cultures and civilizations

under scientific patronage
Committee on Quaternary Research of the Polish Academy of Science
Scientific Society of Polish Archaeologists: Geoarchaeological section
Society of Polish Climatologists

The Conference will be held in the Institute of Archaeology
Cardinal Stefan Wyszyński University in Warsaw
28-29. 11. 2014

Address: Robert Schuman Hall (Auditorium Maximum) Wóycickiego Street 1/3
All necessary information on the conference:
www.geoarcheologia.uksw.edu.pl
WHAT IS GEOARCHAEOLOGY

A specialist field in archaeology, geoarchaeology is specifically concerned with reconstructing ancient natural environments which man lived in and actively modified. This dynamically developing science draws upon the combined input of other fields, like geology, geomorphology, sedimentology, climatology, pedology and others in building up its research apparatus.

ABOUT THE CONFERENCE

The current conference, which is the third one, has been designed to highlight results of interdisciplinary geoarchaeological research by specialists from a broad field of disciplines in the humanities and geosciences. The objective is to work towards building a platform for meaningful exchange of information and experience among archaeologists, geologists, geographers, climatologists and researchers from related fields. Meetings in this forum and cooperation between different specialists will hopefully lead to new research projects and initiatives, contributing to broaden knowledge of man’s interactions with the natural environment.

CONFERENCE SCOPE

This conference will lay special emphasis on presentation of issues connected with Impact of the Holocene rapid climate events at 8.2, 5.9, 4.2, 2.8, 1.4 ka BP (connected with continental variation of the North Atlantic Bond Holocene climate events) on past cultures and civilizations, recorded in natural and anthropogenic deposits examined in numerous archaeological sites from Europe, North Africa, Middle East and Asia.

This issue is of particular significance, because still quite recently the Holocene has been considered for a period with relatively stable climate. However, recent studies provided evidence for highly dynamically climate changes during the Holocene, usually called the Rapid Climate Changes (RCC). Such climate fluctuations caused environmental changes that exerted strong influence on past human cultures and civilizations in terms of land use strategies and colonization. It becomes more and more obvious at present that past human cultural communities developed accordingly to climate changes, although a feedback effect on environment of the human activities is still not well understood.

The organizers will put special attention on the most significant RCCs which occurred about 8,200, 5,900 and 4,200 yrs BP. For example, at ca 4,200 yrs BP a rapid climate change correlated with the Bond Event 3 influenced presumably mid- to low latitudes of northern hemisphere. In that time a collapse of the early Bronze Age civilizations occurred, indicated by termination of Akkadian Kingdom in Mesopotamia, Old Kingdom in Egypt as well as civilization of Harappa in India.

We are sure that Interdisciplinary geoarchaeological and paleoclimatological research can not only enrich in new data a process of understanding of the mechanism of the rapid Holocene climatic changes (Bond events) but also to comprehend its influence on past archaeological cultures and ancient civilizations.

Submitted papers can present field and laboratory research focusing on the conference theme, carried out with a broad range of methodologies, including...
geomorphological, sedimentological, mineralogical, pedological, palaeobotanical and other analyses. Participation of specialists actively involved in interdisciplinary archaeological projects is particularly encouraged.

**ORGANIZING COMMITTEE**

**President:** Dr. Fabian Welc, Institute of Archaeology, Cardinal Stefan Wyszynski University in Warsaw

**Secretary:** Anna Tołoczko M.Sc., Department of Climate Geology, Faculty Geology of the University of Warsaw

**Members**
- Dr. Jerzy Trzciński, Department of Climate Geology, Faculty Geology of the University of Warsaw
- Dr. Piotr Kittel, Department of Geomorphology and Palaeogeography, University of Łódź
- Dr. Marcin Szymanek, Department of Climate Geology, Faculty of Geology of the University of Warsaw
- Aleksandra Orłowska, Institute of Archaeology, Cardinal Stefan Wyszynski University in Warsaw
- Marta Żuber, Institute of Archaeology, Cardinal Stefan Wyszynski University in Warsaw

**SCIENTIFIC COMMITTEE**

**Chairman of the scientific committee, Professor Leszek Marks,** Department of Climate Geology, Faculty of Geology of the University of Warsaw

**Members**
- Professor Zbigniew Kobyliński, Institute of Archaeology, Cardinal Stefan Wyszynski University in Warsaw
- Professor Karol Myśliwiec, Institute of Mediterranean and Oriental Cultures, Polish Academy of Sciences
- Professor Romulad Schild, Institute of Archaeology, Polish Academy of Sciences
- Professor Jan Dzierżek, Department of Climate Geology, Faculty of Geology of the University of Warsaw
- Professor Jerzy Nitychoruk, Pope John Paul II State School of Higher Education in Biała Podlaska
- Professor Tomasz Kalicki, Institute of Geography, Jan Kochanowski University in Kielce
- Professor Elwira Żmudzka, Department of Climatology, Faculty of Geography and Regional Studies of the University of Warsaw
- Professor Barbara Woronko, Department of Sedimentology, Faculty of Geography and Regional Studies of the University of Warsaw
- Dr. Barbara Niezabitowska-Wiśniewska, Institute of Archaeology, Maria Curie-Skłodowska University in Lublin

**SCIENTIFIC PATRONAGE**

Committee on Quaternary Research of the Polish Academy of Sciences
Scientific Society of Polish Archaeologists: Geoarchaeological section
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**STUDIA QUARTERNARIA, An International Multidisciplinary Journal of Quaternary Research**
Papers and posters will be presented only in English
For additional information please contact Dr. Fabian Welc: f.welc@uksw.edu.pl

Cardinal Stefan Wyszynski University in Warsaw (UKSW) Młociny Campus
Robert Schuman Hall (Auditorium Maximum) Wóycickiego Street 1/3 Warsaw

Plan of the Młociny Campus (North Warsaw)