



EXPLO
EXPLORING THE DYNAMICS AND CAUSES OF PREHISTORIC
LAND USE CHANGE IN THE CRADLE OF EUROPEAN FARMING



Prehistoric lakeshore settlements in South-East Europe: archaeological, palaeoecological and bioarchaeological investigations within the EXPLO project.

Mid-term Conference

5-6 July 2022, Research Dissemination Center (KEDEA), Aristotle University of Thessaloniki, Greece

PROGRAMME

Organization: Aristotle University of Thessaloniki

School of History and Archaeology

Laboratory for Interdisciplinary Research in Archaeology (LIRA)

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European Research Council
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Archaeological Fieldwork at Lake Ohrid

Johannes Reich¹

¹Institute of Archaeological Sciences, University of Bern, Bern, Switzerland

The presentation gives an overview of the fieldwork carried out since 2019 under the direction of the Institute of Archaeological Sciences of the University of Bern. This involved underwater archaeological excavations and core drillings, with which new archaeological finds as well as numerous samples for dendrochronological and archaeobotanical analysis could be obtained. The absolute dates so far, both from the construction timbers and the archaeological layers, together with the recorded stratigraphies, allow a preliminary presentation of absolutely dated ceramic find complexes from Ploča, Mičov Grad (North Macedonia) and Lin 3 (Albania).

Tuesday, 5 July 2022

WELCOMING ADDRESS

Chair: Prof. Em. Kostas Kotsakis

School of History and Archaeology, Aristotle University of Thessaloniki, Thessaloniki, Greece

- 09:30-09:50 Prof. Konstantinos Bikos, Dean of the Faculty of Philosophy
Aristotle University of Thessaloniki, Thessaloniki, Greece
- Prof. Eleni Manakidou, Chair of the School of History and Archaeology
Aristotle University of Thessaloniki, Thessaloniki, Greece

Opening of the Conference: Prof. Eleni Manakidou

SESSION 1. THE EXPLO PROJECT: OVERVIEWS

Chair: Prof. Em. Stelios Andreou

School of History and Archaeology, Aristotle University of Thessaloniki, Thessaloniki, Greece

- 09:50-10:00 Overview of the University of Bern archaeological project
Albert HAFNER^{1,2}
¹Institute of Archaeological Sciences, University of Bern, Bern, Switzerland
²Oeschger Centre for Climate Change Research, University of Bern, Bern, Switzerland
- 10:00-10:10 Overview of the University of Bern palaeoecological project
Willy TINNER^{1,2}
¹Institute of Plant Sciences, University of Bern, Bern, Switzerland
²Oeschger Centre for Climate Change Research, University of Bern, Bern, Switzerland
- 10:10-10:20 Overview of the University of Oxford project
Amy BOGAARD¹
¹School of Archaeology, University of Oxford, Oxford, United Kingdom
- 10:20-10:30 Overview of the Aristotle University of Thessaloniki project
Kostas KOTSAKIS¹
¹School of History and Archaeology, Aristotle University of Thessaloniki, Thessaloniki, Greece
- 10:30-11:00 *Coffee break*
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SESSION 2. DENDROCHRONOLOGY: METHODS AND RESULTS

Chair: Assistant Prof. Maria Ntinou

School of History and Archaeology, Aristotle University of Thessaloniki, Thessaloniki, Greece

- 11:00-11:30 Dendrochronology: Turning Prehistory into History? An outline of the methodological basics of building and dating tree-ring chronologies from wood sampled from wetland sites
John FRANCUZ¹
¹Institute of Archaeological Sciences, University of Bern, Bern, Switzerland

- 11:30-12:00 Prehistoric dendrochronology in the southern Balkans: state-of-the-art and prospects
Andrej MACZKOWSKI^{1,2}
¹Institute of Archaeological Sciences, University of Bern, Bern, Switzerland
²Oeschger Centre for Climate Change Research, University of Bern, Bern, Switzerland
- 12:00-12:30 The dendroarchaeology of the prehistoric waterlogged site Ploča - Mičov Grad, Lake Ohrid, North Macedonia
Matthias BOLLIGER^{1,2}
¹Institute of Archaeological Sciences, University of Bern, Bern, Switzerland
²Oeschger Centre for Climate Change Research, University of Bern, Bern, Switzerland
- 12:30-14:00 *Lunch break*
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SESSION 3. MATERIAL CULTURE

Chair: Dr. Maria Pappa

Ephorate of Antiquities of Thessaloniki Region, Hellenic Ministry of Culture and Sports, Thessaloniki, Greece

- 14:00-14:30 Phases and architecture of Dispilio: results and challenges
Tryfon GIAGKOULIS¹, Filippos STEFANO¹ and Kostas KOTSAKIS¹
¹School of History and Archaeology, Aristotle University of Thessaloniki, Thessaloniki, Greece
- 14:30-15:00 Site stratigraphy and key stratigraphic markers at the Neolithic wetland settlement of Dispilio. Our progress to date within the project of EXPLO
Stella KYRILLIDOU¹, Ioanna SIAMIDOU^{1,2}, Ioannis OIKONOMOU³, Rena VEROPOULIDOU^{1,4} and Kostas KOTSAKIS¹
¹School of History and Archaeology, Aristotle University of Thessaloniki, Thessaloniki, Greece
²Department of Prehistory, Protohistory and Near Eastern Archaeology, Heidelberg University, Heidelberg, Germany
³Institute of Archaeology, Hebrew University of Jerusalem, Jerusalem, Israel
⁴Museum of Byzantine Culture, Hellenic Ministry of Culture and Sports, Thessaloniki, Greece
- 15:00-15:30 Reassembling continuity and change in Neolithic Dispilio
Evangelia VOULGARI¹, Marina SOFRONIDOU², Niki SARIDAKI¹, Ioanna SIAMIDOU^{1,3}, Eleni TSIOLA^{1,4}, Nikos KATSIKARIDIS¹ and Kostas KOTSAKIS¹
¹School of History and Archaeology, Aristotle University of Thessaloniki, Thessaloniki, Greece
²Ephorate of Antiquities of Drama, Hellenic Ministry of Culture and Sports, Drama, Greece
³Department of Prehistory, Protohistory and Near Eastern Archaeology, Heidelberg University, Heidelberg, Germany
⁴School of History and Archaeology, University of Ioannina, Ioannina, Greece

- 15:30-16:00 Dispilio pottery in its regional context: affinities and potential contacts
Marina SOFRONIDOU¹, Evangelia VOULGARI², Anastasia DIMOULA²,
Niki SARIDAKI², Kostas KOTSAKIS²
¹Ephorate of Antiquities of Drama, Hellenic Ministry of Culture and Sports, Drama,
Greece
²School of History and Archaeology, Aristotle University of Thessaloniki, Thessaloniki,
Greece
- 16:00-16:30 *Coffee break*
- Chair: Prof. Em. Nikos Efstratiou**
School of History and Archaeology, Aristotle University of Thessaloniki, Thessaloniki, Greece
- 16:30-17:00 The stone and bone industries from Neolithic Dispilio: preliminary
typological and technological observations
Tasos BEKIARIS¹, Angeliki KITA¹, Eleni KOUTSOPOULOU^{1,2}, Bogdana
MILIĆ³ and Georgia STRATOULI⁴
¹School of History and Archaeology, Aristotle University of Thessaloniki, Thessaloniki,
Greece
²Institute of Archaeological Sciences, University of Bern, Bern, Switzerland
³Mila y Fontanals Institute on Humanities research, Spanish National Research Council,
Barcelona, Spain
⁴Ephorate of Antiquities of Kilikis, Hellenic Ministry of Culture and Sports, Kilikis, Greece
- 17:00-17:30 Archaeological Fieldwork at Lake Ohrid
Johannes REICH¹
¹Institute of Archaeological Sciences, University of Bern, Bern, Switzerland
- 17:30-18:00 Farmers of the Bronze Age – Exploring land use dynamics and
agricultural practices using legacy data and land-use modelling
Marco HOSTETTLER¹
¹Institute of Archaeological Sciences, University of Bern, Bern, Switzerland
- 18:00 *Reception*

Wednesday, 6 July 2022

SESSION 4. PALAEOECOLOGY AND BIOARCHAEOLOGY

Chair: Dr. Rena Veropoulidou

Museum of Byzantine Culture, Hellenic Ministry of Culture and Sports, Thessaloniki, Greece

School of History and Archaeology, Aristotle University of Thessaloniki, Thessaloniki, Greece

- 09:00-09:30 Reconstructing Holocene climate dynamics in Northern Greece using
biomarker proxies in lake sediments
Antoine THÉVENAZ^{1,2}, César MORALES-MOLINO^{1,2}, Erika GOBET^{1,2},
Céline MARTIN³, Cindy DE JONGE⁴, Oliver RACH⁵, Dirk SACHSE⁵ and
Willy TINNER^{1,2}
¹Institute of Plant Sciences, University of Bern, Bern, Switzerland
²Oeschger Centre for Climate Change Research, University of Bern, Bern, Switzerland
³Surface Waters Research & Management, Eawag, Dübendorf, Switzerland
⁴Swiss Federal Institute for Technology, Zurich, Switzerland
⁵German Research Centre for Geosciences, Potsdam, Germany

- 09:30-10:00 From sea to summit: the impact of climate and land-use change on vegetation at different altitudes and along two Neolithisation routes
Kathrin GANZ^{1,2}, César MORALES-MOLINO^{1,2}, Erika GOBET^{1,2}, Luc HÄCHLER^{2,3}, Dmytro KIOSAK⁴, Nadezhda KOTOVA⁵, Jacqueline VAN LEEUWEN^{1,2}, Sergey MAKHORTYKH⁶, Sarah OGI^{1,2}, Emmanuel SCHAAD^{1,2}, Christoph SCHWÖRER^{1,2}, Paul ZANDER^{2,3}, Martin GROSJEAN^{2,3} and Willy TINNER^{1,2}
¹Institute of Plant Sciences, University of Bern, Bern, Switzerland
²Oeschger Centre for Climate Change Research, University of Bern, Bern, Switzerland
³Institute of Geography, University of Bern, Bern, Switzerland
⁴Department of Asian and North African Studies, Ca' Foscari University of Venice, Venice, Italy
⁵Department of Archaeology of Eneolithic and Bronze Age, Institute of Archaeology, National Academy of Sciences of Ukraine, Kyiv, Ukraine
⁶Department of Early Iron Age Archaeology, Institute of Archaeology, National Academy of Sciences of Ukraine, Kyiv, Ukraine
- 10:00-10:30 Insights into the impacts of climate and land use on the vegetation of the Four Lakes region in Northern Greece
Lieveke VAN VUGT^{1,2}, César MORALES-MOLINO^{1,2}, Erika GOBET^{1,2}, Martin GROSJEAN^{2,3}, Antonietta KNETGE¹, Jaqueline F.N. VAN LEEUWEN^{1,2}, André F. LOTTER^{1,2}, Hendrik VOGEL^{2,4}, Albert HAFNER^{2,5} and Willy TINNER^{1,2}
¹Institute of Plant Sciences, University of Bern, Bern, Switzerland
²Oeschger Centre for Climate Change Research, University of Bern, Bern, Switzerland
³Institute of Geography, University of Bern, Bern, Switzerland
⁴Institute of Geological Sciences, University of Bern, Bern, Switzerland
⁵Institute of Archaeological Sciences, University of Bern, Bern, Switzerland
- 10:30-11:00 *Coffee break*
- Chair: Associate Prof. Sevi Triantafyllou**
School of History and Archaeology, Aristotle University of Thessaloniki, Thessaloniki, Greece
- 11:00-11:30 First results on 50,000 years of vegetation history at Limni Orestias Kastorias
Lieveke VAN VUGT^{1,2}, Erika GOBET^{1,2}, Kathrin GANZ^{1,2}, Gian-Luca GRÜNENFELDER¹, Hendrik VOGEL^{2,3} and Willy TINNER^{1,2}
¹Institute of Plant Sciences, University of Bern, Bern, Switzerland
²Oeschger Centre for Climate Change Research, University of Bern, Bern, Switzerland
³Institute of Geological Sciences, University of Bern, Bern, Switzerland
- 11:30-12:00 The zooarchaeology of Dispilio, Lake Orestias, Kastorias
Valasia ISAAKIDOU¹, Rena VEROPOULIDOU^{2,3}, Roula CHRONAKI³ and Dafni ANDROULAKI³
¹School of Archaeology, University of Oxford, Oxford, United Kingdom
²Museum of Byzantine Culture, Hellenic Ministry of Culture and Sports, Thessaloniki, Greece
³School of History and Archaeology, Aristotle University of Thessaloniki, Thessaloniki, Greece
- 12:00-12:30 The archaeobotany of Dispilio, Lake Orestias, Kastorias
Müge ERGUN¹, Evgenia GKATZOGIA² and Maria NTINO²
¹School of Archaeology, University of Oxford, Oxford, United Kingdom
²School of History and Archaeology, Aristotle University of Thessaloniki, Thessaloniki, Greece
- 12:30-14:00 *Lunch break*

Chair: Prof. Tania Valamoti

School of History and Archaeology, Aristotle University of Thessaloniki, Thessaloniki, Greece

- 14:00-14:30 Vegetation dynamics and land-use change at the Neolithic lakeshore settlement site of Ploča Mičov Grad, Lake Ohrid
Erika GOBET^{1,2}, Sarah BRECHBÜHL¹, Lieveke VAN VUGT^{1,2}, César MORALES-MOLINO^{1,2}, Joseph VOLERY¹, André F. LOTTER^{1,2}, Ariane BALLMER^{2,3}, Sandra O. BRUGGER^{1,2}, Albert HAFNER^{2,3} and Willy TINNER^{1,2}
¹Institute of Plant Sciences, University of Bern, Bern, Switzerland
²Oeschger Centre for Climate Change Research, University of Bern, Bern, Switzerland
³Institute of Archaeological Sciences, University of Bern, Bern, Switzerland
- 14:30-15:00 The archaeobotany of Progradec, Lin 3, Lake Ohrid
Rachel BALLANTYNE¹
¹School of Archaeology, University of Oxford, Oxford, United Kingdom
- 15:00-15:30 The archaeobotany of Ploča Mičov Grad, Lake Ohrid
Amy HOLGUIN¹
¹School of Archaeology, University of Oxford, Oxford, United Kingdom
- 15:30-16:00 Discussion
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Please note:

The 30 minutes slots include 20 minutes for the presentations and 10 minutes for questions.

Poster design: Tasos Bekiaris

Workshop's Venue:



Research Dissemination Center (KEDEA)
Tritis Septemvriou Str. - University Campus
546 36 THESSALONIKI – GREECE

The KEDEA building is connected with the following bus lines:

- 2,7,14,58 (Bus Stop: University of Macedonia)
- 17,24,37 (Bus Stop: Fititiki Leschi)
- 10,31 (Bus Stop: Agia Foteini-University of Macedonia)
- 27,28,83 (Bus Stop: Terma Grammis)

<https://goo.gl/maps/tqa4pxokdyVjbA6c7>

