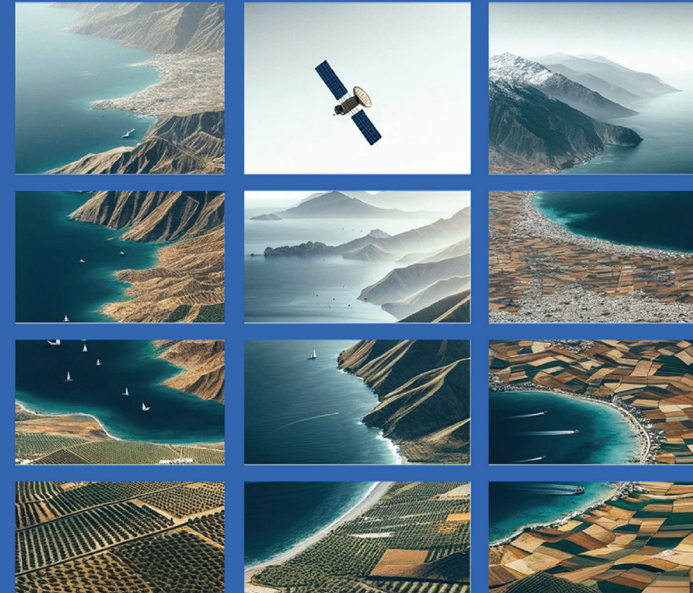


GIS in Crete

Archaeological Questions and Computational Answers



30-31 May 2024

Athens 9.30 am

Auditorium "Leonidas Zervas"
National Hellenic Research Foundation
48 Vassileos Constantinou Avenue

Online attendance:



<https://rb.gy/6pgs4n>

Organizers

VYRON ANTONIADIS, QUENTIN DRILLAT

Organization and Support

ANNA BOTINI, FRYNI GREVENIOTI, PANAGIOTIS KEFIS

Organizers



INSTITUTE OF HISTORICAL RESEARCH
NATIONAL HELLENIC RESEARCH FOUNDATION



FACULTY OF ARTS
AND PHILOSOPHY



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international

PROGRAM

MAY 30, 2024

9:30 Registration

10:00 Welcome and Opening Remarks

10:20 Introduction
VYRON ANTONIADIS, QUENTIN DRILLAT

SESSION 1: GIS applications in archaeological and historical practices

Chair: QUENTIN DRILLAT

10:40 *Managing complexity in long-term excavations: The GIS of Phaistos*
FRANCESCA BUSCEMI, MARIANNA FIGUERA

11:00 *GIS-DIARIES of Gortyn: An ongoing GIS project to recording, protecting, and researching the archaeological site of the ancient capital city of Crete*
JACOPO BONETTO, ROBERTO PERNA, ALESSANDRO JAIA, ENRICO ZANINI, SIMONE AMICI, EDOARDO BROMBIN, JACOPO SCOZ

11:20 *Legacy of the labyrinth: Re-mapping the palace of Minos using the Sir Arthur Evans archive*
JOHN POUNCETT, KARL SMITH, ANDREW SHAPLAND

11:40 Discussion

12:00 Coffee break

12:30 *Digitising the "Aqueducts of the Greater Iraklio Area" AGIA*
AMANDA KELLY

12:50 *Dealing with overlapping layers of the past: GIS and the entangled history of archaeology and World War II in Crete*
VALENTIN SCHNEIDER

13:10 Discussion

13:30 Lunch break

SESSION 2: Multiscalar applications of GIS in archaeological and historical studies

Chair: VYRON ANTONIADIS

15:00 *Reassessing the organization and social structure of the Prepalatial settlement at Myrtos Fournou Korifi through GIS*
ERMIONI VEREKETI, ELEFThERIA PALIOU, YIANNIS PAPADATOS

15:20 *GIS methods in the analysis of intra-site architectural remains of Neopalatial Crete*
JONAS RAPAKKO

15:40 *Placing the polis: GIS investigations into the settlement and landscape Context of Ancient Lyktos*
CHRISTINA STEFANOU, DOMINIC POLLARD

16:00 Discussion

16:20 Coffee break

16:50 *Point process modelling: applications, challenges, and limitations of exploring human-landscape relations in Eastern Crete*
ANDRIANA-MARIA XENAKI

17:10 *Mapping landownership on Venetian Crete: three case studies (13th-16th c.)*
CHARALAMBOS GASPARIS, MARINA KOUMANOUDI, AGGELIKI PANOPOULOU, CHARALAMBOS PAPOUTSAKIS

17:30 Discussion



MAY 31, 2024

SESSION 3: GIS and Past Environment

Chair: KONSTANTINOS KOPANIAS

- 09:30** *GIS and economy in the vicinity of Minoan Crete: The case of Kasos*
GIORGOS MASTROPAVLOS
- 09:50** *Implementing relative sea level change indicators and ancient coastlines of Crete into GIS: Methodological issues and prospects*
ELENI KOLAITI, NIKOS MOURTZAS
- 10:10** *Constructing the Cretan landscape: Exploring parameters and expectations of ancient terracing on Bronze Age and Iron Age Crete using GIS*
DOMINIC POLLARD, TODD WHITELAW
- 10:30** **Discussion**
- 11:00** Coffee break

SESSION 4: GIS and Ancient Road Systems

Chair: CHRISTY CONSTANTAKOPOULOU

- 11:30** *The Minoan central Asterousia as a case of DEM-aided study of network connectivity*
NASSER BOVOLETI AYASH
- 11:50** *Modeling ancient pathways of Cretan landscapes: Building networks and social landscapes*
DAVID LAGUNA-PALMA
- 12:10** *Travel times to the sanctuary of Syme Viannou: Rules of thumb, formulas and slope-dependent functions vs historical documentation*
VYRON ANTONIADIS
- 12:30** **Discussion**
- 13:00** Lunch break
- 14:30** *Passing by the dead in Crete: Spatial organization and accessibility of funerary areas in the Hellenistic and Roman city-states*
MANOS RAPANAKIS, QUENTIN DRILLAT

- 14:50** *Iron Age land routes in Crete: A GIS-based approach*
JUDITH MUÑOZ SOGAS

15:10 **Discussion**

15:30 Coffee break

SESSION 5: GIS and Network Studies

Chair: AMANDA KELLY

- 16:00** *Tracing the threads of luxury: A GIS approach to gold and silver jewellery in Pre- and Protopalatial Crete*
DAVIDE-GIULIO AQUINI
- 16:20** *A GIS for Cretan pottery in the Mediterranean: The Project "Crete in a connected Mediterranean (ca 900 - 480 BCE)"*
ATHÉNA TSINGARIDA, ISABELLA BOSSOLINO
- 16:40** *Exploring pottery of the Byzantine and Venetian periods in Crete: GIS applications and insights*
ANASTASIA G. YANGAKI, VYRON ANTONIADIS, GEORGIOS D. CHIOTIS
- 17:00** **Discussion**
- 17:30** **Conclusion**
Closing Remarks
ANTONIS KOTSONAS



List of Participants

Vyron Antoniadis, Senior Researcher, Institute of Historical Research-National Hellenic Research Foundation

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Georgios D. Chiotis, Archaeologist, Directorate of Prehistoric and Classical Antiquities

Christy Constantakopoulou, Associate Researcher, Institute of Historical Research-National Hellenic Research Foundation

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