



The Aristotle University

Thessaloniki, GR

A training paradigm with hands-on experience

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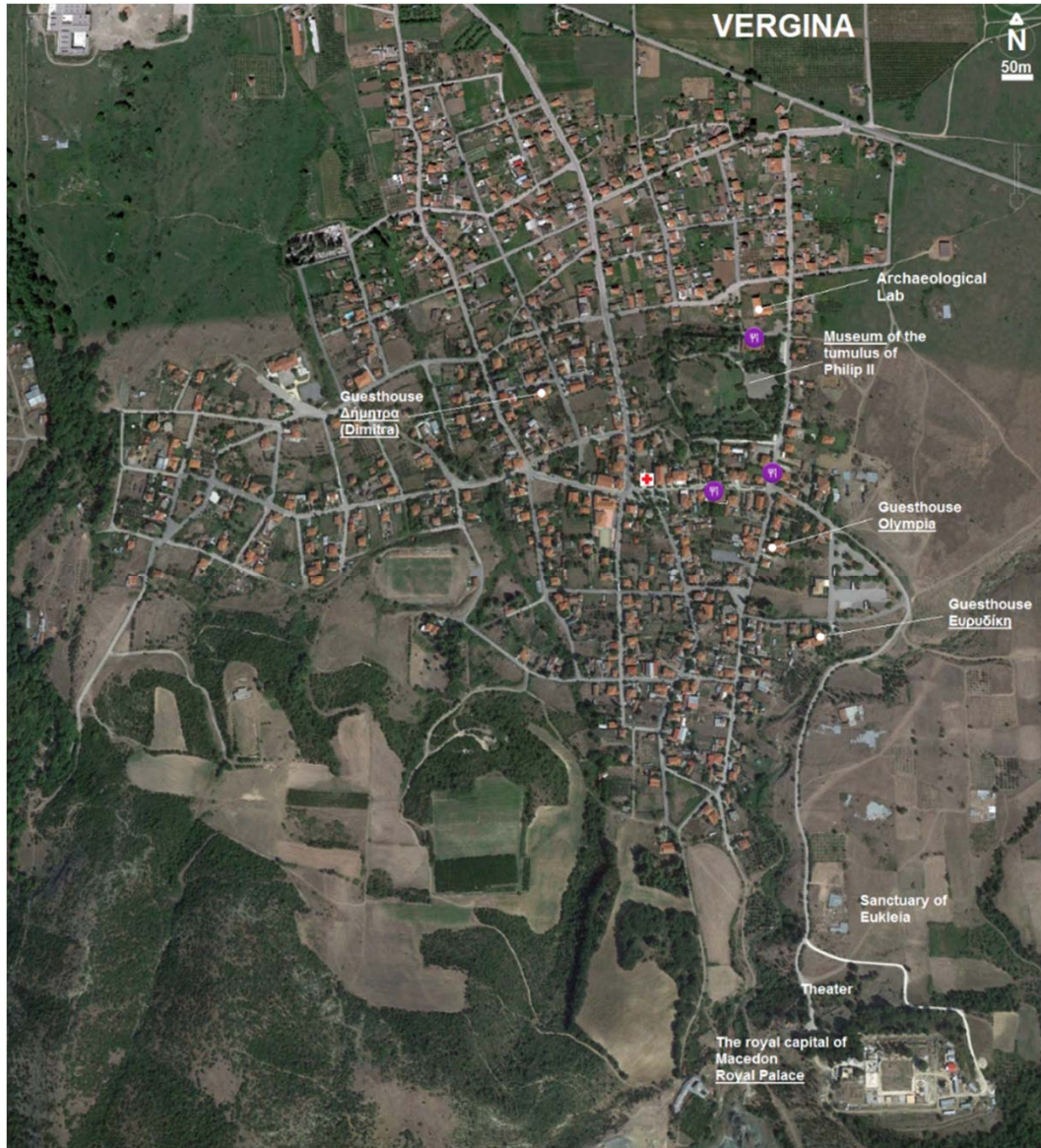
HERITAG Final Conference
Tbilisi (April 3, 2019)

ARISTOTLE UNIVERSITY OF THESSALONIKI
Laboratory of Photogrammetry and Remote Sensing
School of Rural and Surveying Engineering

*organized a **two-week training course** for the training of the participants
members of the program HERITAG in **modern Topographic and
Photogrammetric methods for the documentation of Cultural Heritage***

Date: June 19-30, 2017

Position: The **archaeological site of Vergina** and the **Polytechnic School**
of the Aristotle University of Thessaloniki



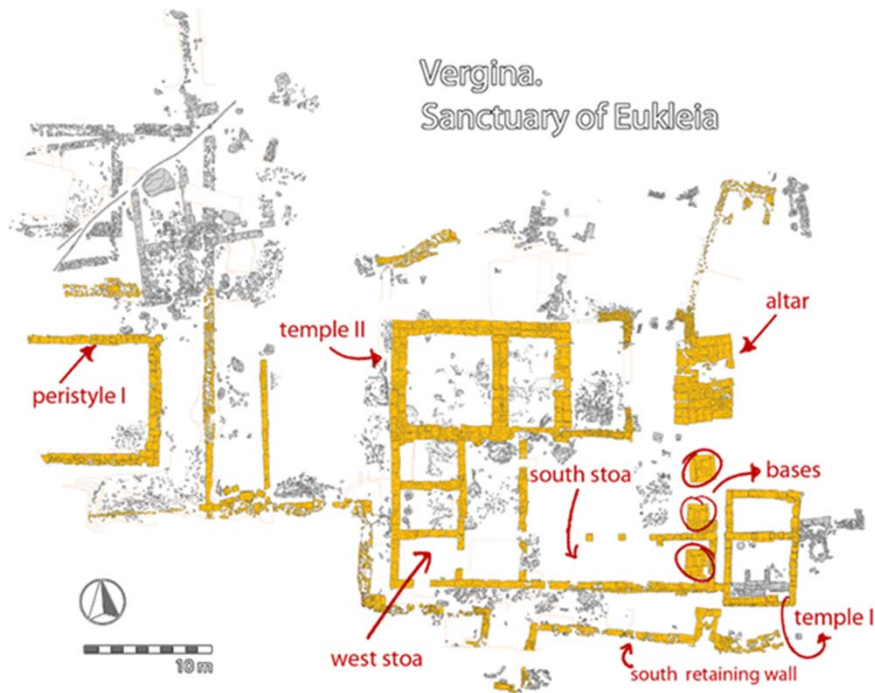
Participation of scientists from:

- Universitat Politècnica de València (**UPV**), Spain
- University of Iliia State University – ILIAUNI», (**ISU**), Georgia
- Georgian Technical University (**GTU**), Georgia
- Batumi Shota Rustaveli State University (**BSU**), Georgia
- GIS and RS Consulting Center GeoGraphic (**GeoG**), Georgia
- National Agency for Cultural Heritage Preservation of Georgia (**NACHPG**), Georgia
- SkyTravel Ltd (**SkyT**), Georgia
- National University of Architecture and Construction of Armenia (**NUACA**), Armenia
- Karlsruhe University of Applied Sciences, Germany

1 st Week (19-23.03.2017)					2nd Week (26-30.03.2017)				

Documentation techniques in parts of the wider area of the archaeological site:

- the "Eukleia temple" in Vergina



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- the "**Eukleia temple**" in **Vergina**
- the **ancient theater**



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Documentation techniques in parts of the wider area of the archaeological site:

- the "**Eukleia temple**" in **Vergina**
- the **ancient theater**
and
- the **findings of archaeological excavations**



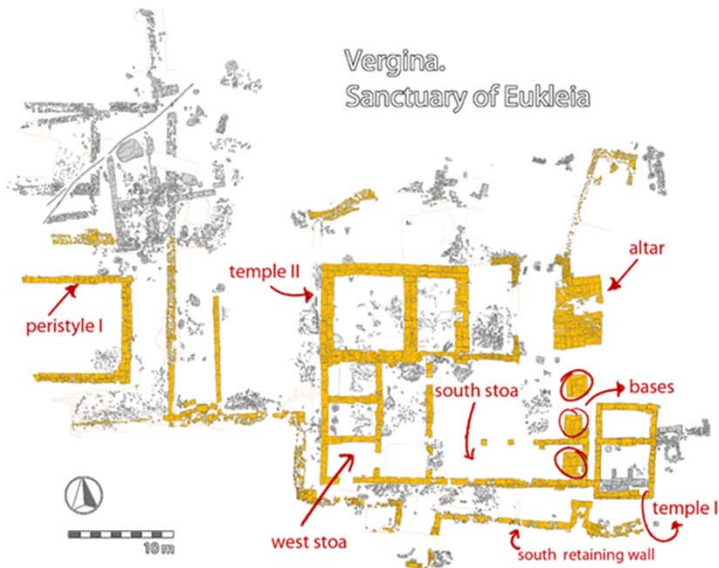
1 st Week (19-23.03.2017)					2 nd Week (26-30.03.2017)				

Reception of the participants in the archaeological site of Vergina, tour by the research staff from the Department of History and Archeology of the Aristotle University at the museum of the Royal Tombs, the wider area and the presentation of the seminar program.



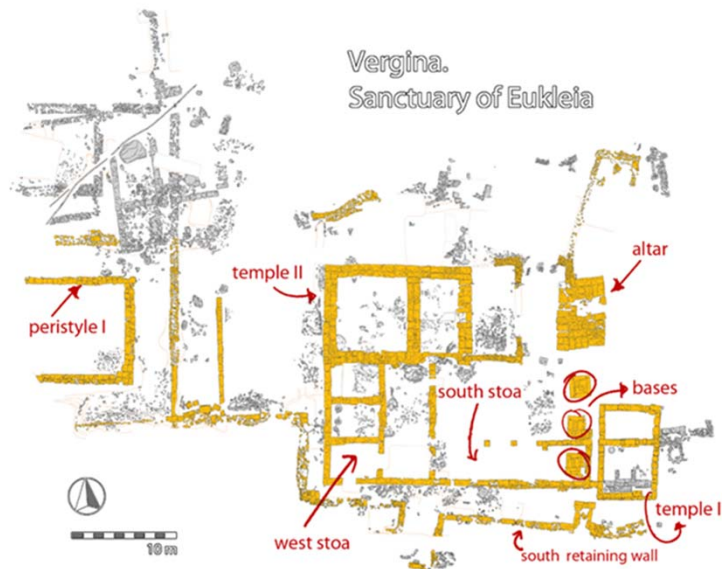
1 st Week (19-23.03.2017)					2 nd Week (26-30.03.2017)				

An aerial photography of the archaeological site of approximately 2.5 acres, took place using the **prototype drone** of the Photogrammetry and Remote Sensing Laboratory of the Aristotle University of Thessaloniki



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and a second working group for the surveying documentation of the wider area who used the unmanned **eBee aircraft**



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In the afternoon of the same day in the laboratory of the archaeological site, the first data processing and the corresponding lecture on the documentation of archaeological sites using modern systems of UAVs took place.



1 st Week (19-23.03.2017)					2 nd Week (26-30.03.2017)				

The archaeological site and, consequently, its individual parts (constructions, etc) were documented using **Laser Scanner**.



ancient theater

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"Eukleia temple"

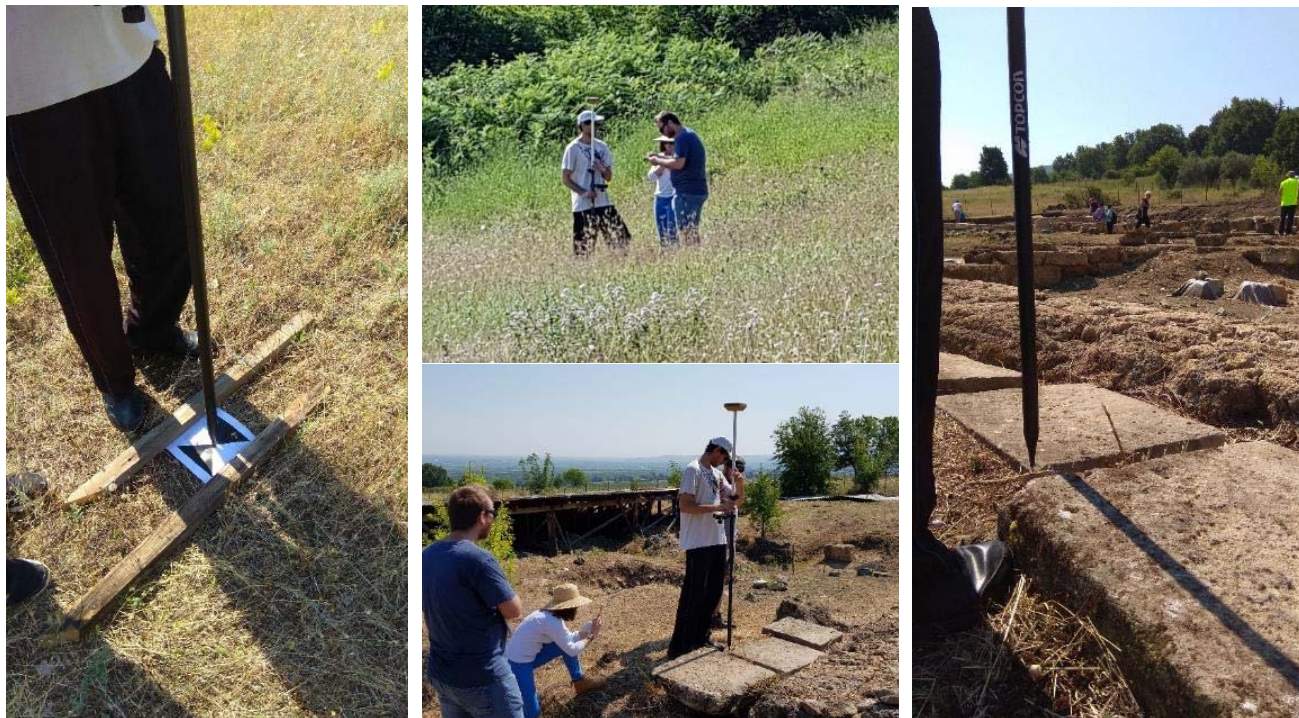
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Along, a second working group attended the presentation of the **Mobile Mapping System** which is the only modern mapping system in Greece which is owned by the Laboratory of Photogrammetry and Remote Sensing of AUTH. In the afternoon of the same day, a lecture was held on the pre-processing of the data collected.



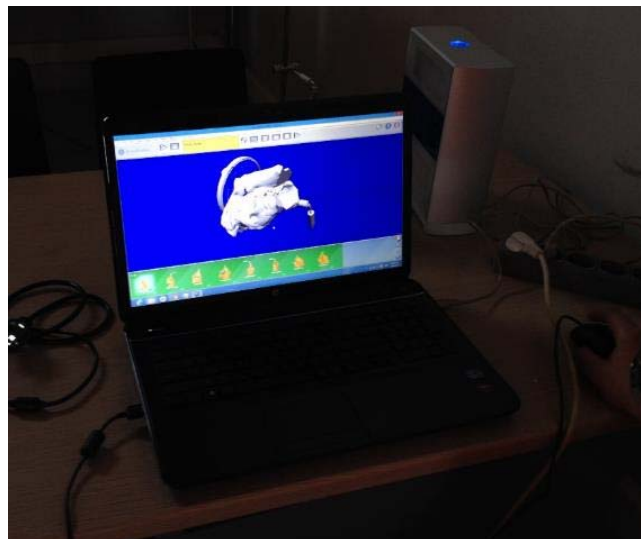
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Documentation using **ground photogrammetry techniques** was carried out in “Eukleia Tembe” along with surveying of ground control points in the site and in the wider area using **GPS** and additional air surveying using **eBee**.



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Documentation of small objects (dots, small vases, etc) using **Micro Laser Scanner**.



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The second part of the seminar (2nd week) took place in the Polytechnic School of Aristotle University of Thessaloniki, where a series of theoretical lectures was held on the subject of surveying and documentation of cultural heritage and while all data field were processed.



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On Wednesday (28.03.2017) the scheduled dinner for the participants was held at night.



Laboratory of Photogrammetry and Remote Sensing



School of Rural and Surveying Engineering

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