

# SPATIAL DATA SCIENCE, ARCHAEOLOGY AND HERITAGE MANAGEMENT

One-day conference at the  
Acropolis Museum, Athens

**Date: 14 June 2019**

**Time: 10.00 – 17.00 h.**

Organised by

Dr. Pari Kalamara (Ephorate of Underwater Antiquities),

Prof. Jan Paul Crielaard (Vrije Universiteit Amsterdam)



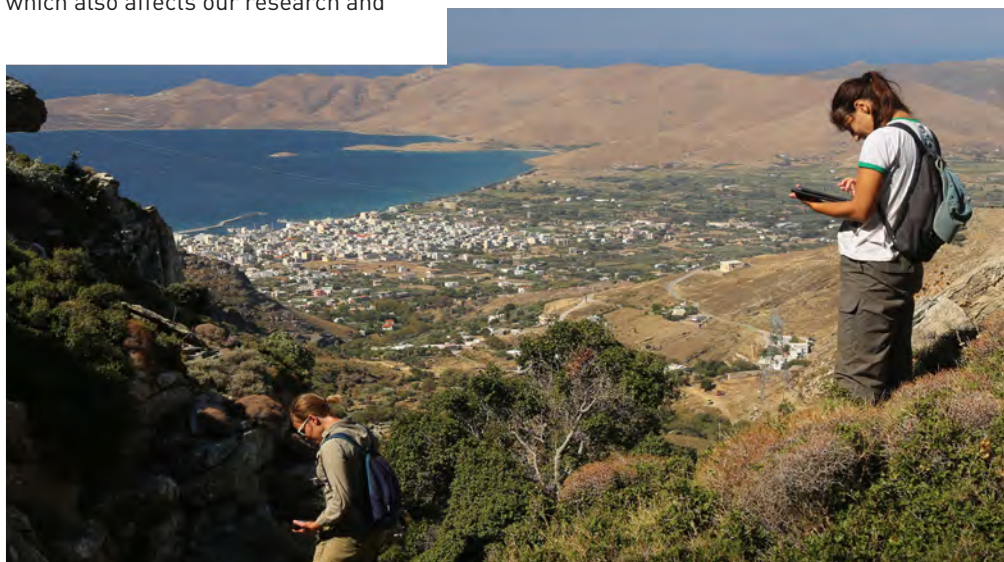
Netherlands Organisation for Scientific Research  
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Vrije Universiteit Amsterdam

Over the last decades, Spatial Data Science has developed rapidly and produced a range of methods to model, visualize, simulate and analyse the world around us. But Spatial Data Science is also increasingly applied to the world of the past. In archaeological research it has revolutionized our understanding of past spatial dynamics. In heritage management Spatial Data Science methods are successfully applied to visualize and communicate values embodied in cultural heritage to different stakeholders. In this one-day conference we aim to reflect on past and future applications of Spatial Data Science tools like GIS and remote sensing, methods simulating and modelling past realities, and tools helping to visualize, sustain and valorize assets and values of cultural heritage or promote knowledge exchange. Following on from this we wish to discuss how new digital tools foster a spirit of knowledge sharing which also affects our research and

publication strategies, and the management and presentation of cultural heritage sites.

The conference's morning session will be devoted to the presentation of an innovative digital platform that has been developed within the context of a broader scientific project centring on southern Euboeia, conducted by the Ephorate of Euboea and the Netherlands Institute at Athens. Combining a 3D map of the region with various remote sensing data and information about archaeological find places known from surveys and excavations, it offers an interactive tool for sharing knowledge with other scholars and monitoring cultural heritage. During the afternoon session a number of speakers will present past and current digital projects connected to the Mani, Corinthia, the Greek islands and the Via Appia in Rome as well as an update about the new Hellenic Archaeological Cadastre.





**PROGRAM:**

- 10.00 – 10.15: Winfred van de Put (director of the Netherlands Institute at Athens) and the conference organizers: *Words of welcome*
- 10.15 – 11.15: Pari Kalamara (Ephorate of Underwater Antiquities), Jan Paul Crielaard, Ruben Brugge, Stefan Kooi, Anke Stoker (Vrije Universiteit Amsterdam): *The scientific context of the Knowledge Hub for southern Euboia*
- 11.15 – 11.50: Maurice de Kleijn and Chris Lucas (Vrije Universiteit Amsterdam): *Spatial Knowledge Hub for the Archaeology and Heritage management of southern Euboia*
- 11.50 – 12.20: *Coffee break (ground floor Museum)*
- 12.20 – 12.55: Eugenia Gerousi (Hellenic Ministry of Culture and Sports/ Directorate of the Management of the National Archive of Monuments): *The Geographical Information System of the project “Archaeological Cadastre”*
- 12.55 – 13.30: Joseph Ephraimidis (architect planner): *Network of Mani Museums: mapping the monuments of Mani using GIS*
- 13.30 – 15.00: *Lunch break (ground floor Museum)*
- 14.30: Hands-on demonstration of Knowledge Hub
- 15.00 – 15.35: James Herbst (ASCSA Corinth Excavations), Sarah James (University of Colorado, Boulder) and Nicol Anastassatou (ASCSA Corinth Excavations): *Corinth heritage management plan: conservation, excavation, and presentation of the South Stoa*
- 15.35 – 16.10: Alexandros Mazarakis Ainian and George Chiotis (University of Thessaly, Volos): *“The Social Archaeology of Early Iron Age and Early Archaic Greece” project*
- 16.10 – 16.45: Rens de Hond (Radboud Universiteit, Nijmegen): *3-D spatial data in archaeological documentation and reconstruction: challenges and web-based solutions in the Mapping the Via Appia project*
- 17.15 – 19.00: *Reception at the Netherlands Institute at Athens (Makri 11)*