Beneath the Palace of Knossos: preliminary results

CAA NL-D, Münster:
'Behind the scenes: new developments in archaeological remote sensing and geophysics'
19-20/11/2010

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Introduction
  Why
  Knossos
  Neolithic

Geophysics
  GPR (GTFrontline)
  GPS
  Natural Potential

GIS
  Layers
  Topographic errors
  2D/3D

Interpretation
  Geophysics vs Testpits
  what works and what not
  and why not?

Future
Why?

Archaeological value: answering scientific question on subsurface

Methodological value: GPR in clayey soil

Preservation value: management of the archaeological site for future preservation and presentation
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Introduction

Knossos

North Passage

Arthur Evans

Roman coin from Cnossus
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Knossos
Neolithic

JD Evans, PPS 37, 1971, plate III
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Surveyor with laptop
High accuracy GPS
GPR antenna/ sender/receiver
Two iron electrodes
Measuring natural potential
And Grounding GPR signal

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