

### Training School 1

#### Lecture 1

INTRODUCTION TO ARCHAEOLOGICAL PROSPECTION & ARCHAEOGEOPHYSICS

by Carmen Cuenca García





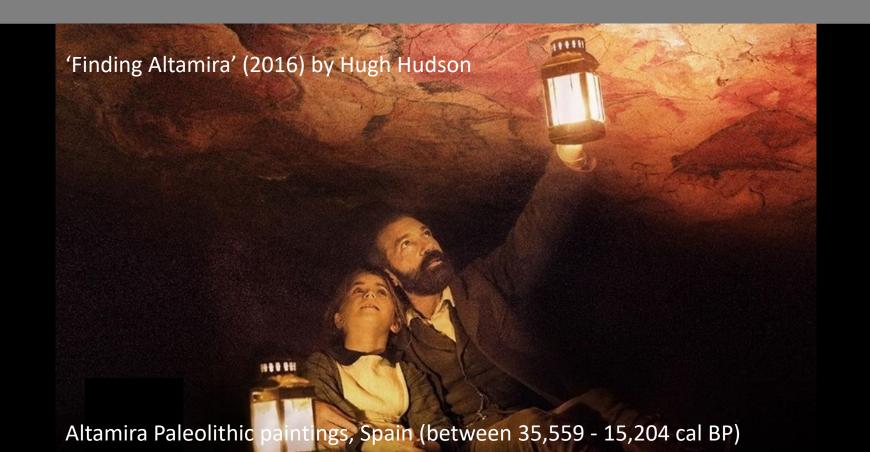
#### The study of past humanity & cultures

- Through its cultural material= excavation
- ...and proxy data= direct measurements



#### How do we find sites?

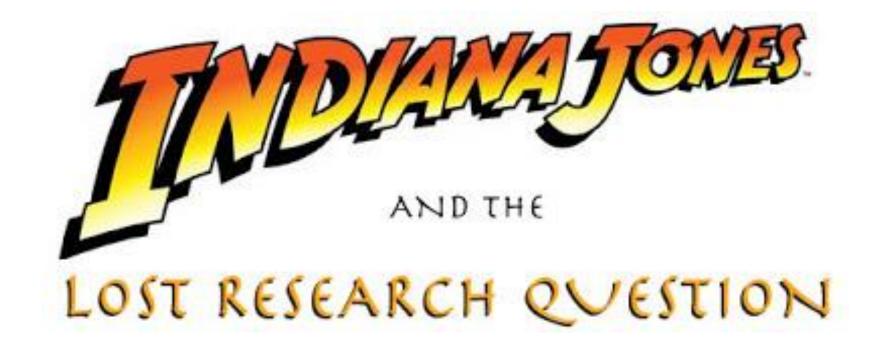
Serendipity...sometimes

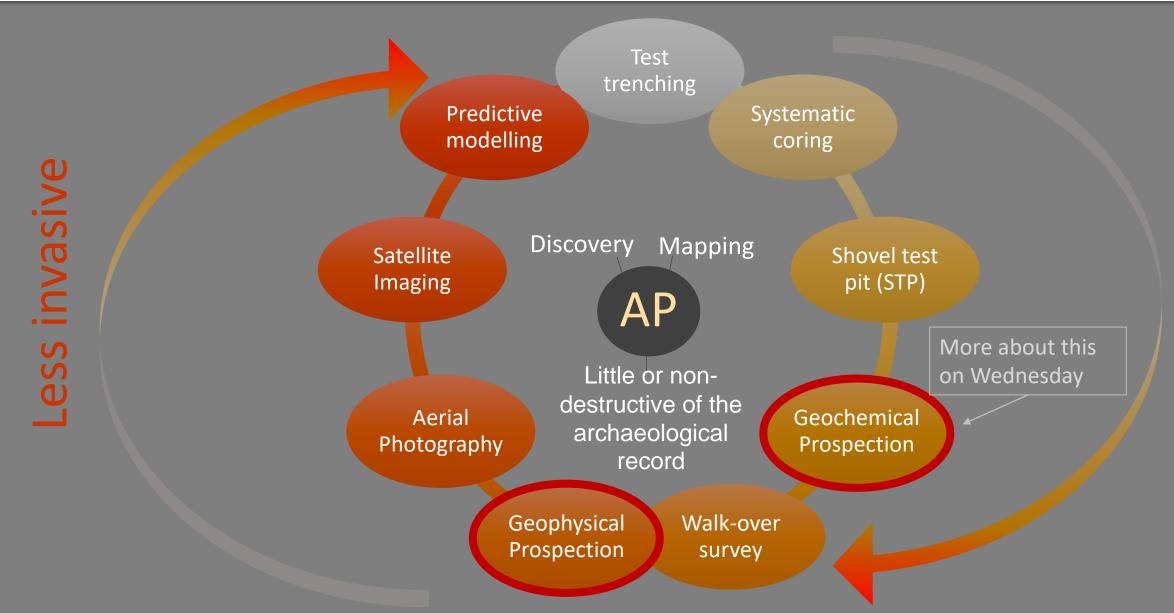




#### How do we find sites?

- Serendipity...sometimes
- A research question





More invasive

#### A powerful discipline in archaeology



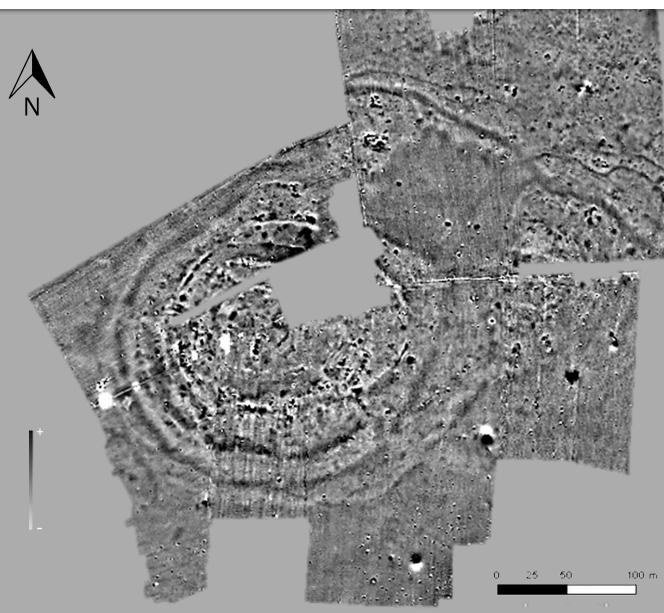




to map & characterise subsurface archaeological sites

Magnetometer survey @ magoula Rizomilos (Thessaly, Greece)

Sarris, Apostolos, et al. "Opening a New Frontier in the Study of Neolithic Settlement Patterns of Eastern Thessaly, Greece." Communities, Landscapes, and Interaction in Neolithic Greece. Berghahn (2017).









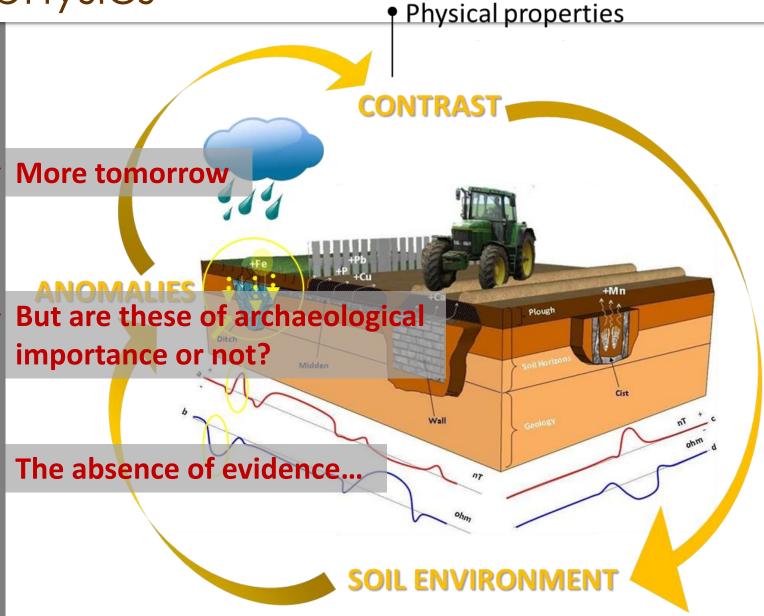




Map spatial variations
of physical properties of
the subsoil that may be
representative (the
proxies) of subsurface
features

Integrating several geophysical techniques is the ideal

All is about contrast





- Archaeology = cultural material + proxy data
- Archaeological prospection= location of sites, wide range of methods
- Archaeo-geophysics= locate and characterise buried archaeology
  - Best approach to survey sites is applying more that 1 techniques
  - Importance of geophysical contrast to detect buried archaeology



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# Closing Session



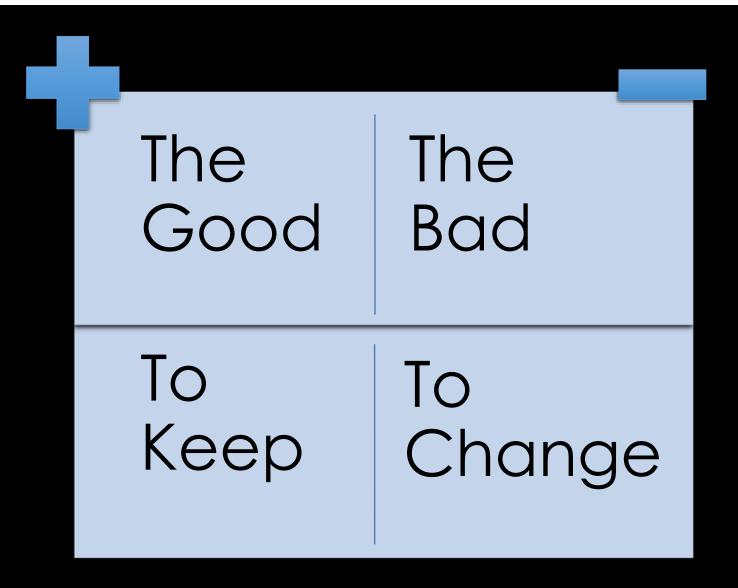


Organisation

Presentations

Hands on sessions

Topic for future TS?



#### Wrap up/remarks













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