

# An Introduction to Multi-Method Archaeological Site Survey: Surface Collection and Remote Sensing

Slane, Co. Meath, IRELAND 8th - 13th April 2012

This course is aimed at graduates from an archaeology or earth sciences background. It will introduce surface collection, low level aerial photography, upstanding building recording and a range of archaeological geophysical techniques. It will provide an understanding of the principles of and hands-on experience of the basic field operation of the techniques. There will also be instruction in data processing, data interpretation and reporting. Instruction will be given by specialists in each area and techniques covered will include:

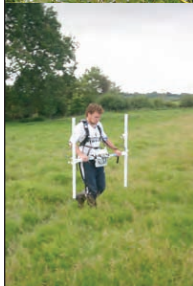
- surface collection survey,
- use of a total station and engineers level and GPS,
- kite/balloon aerial photography (KAP),
- metal detecting (MD),
- magnetic susceptibility (MS),
- magnetic gradiometry (MG),
- earth resistance (ER),
- electrical resistivity tomography (ERT),
- ground probing radar (GPR),
- terrestrial laser scanning (TLS).



Applications to participate in the Field School must be made on the form provided and returned by email to [eolas@lgs.ie](mailto:eolas@lgs.ie) by 20th February. Some students participating in the field school may be eligible for an Archaeo-Landscapes Europe grant which can be applied for directly via the Outreach section of the ArcLand website (<http://www.arcland.eu/>). The deadline for the acceptance of ArcLand grant applications is 20th February.



The fee for participants is €200. This includes hostel accommodation (arrive Saturday 7th April, depart Saturday 14th April) and transport to and from the site each day. Self-catering facilities are available at the hostel.



The field school will run for a 6 day period in Slane, 50km north of Dublin. There will be an initial orientation day including a visit to the nearby Brú na Bóinne World Heritage Site. Classes will commence each weekday at 9 am each morning and will run until 5.30 pm each day. There will be sessions each evening from 7.30 to 9.30 pm for data download, processing, presentation and interpretation. A certificate of completion will be provided to those who successfully complete the Field School.

For further information please visit: <http://archaeolandscapes.eu/index.php/outreach/workshops/212.html> or <http://hillsofslane.wordpress.com/> or contact Kevin Barton on email [eolas@lgs.ie](mailto:eolas@lgs.ie).

Please note that the course will be delivered through English. Participants are expected to have a working knowledge of the language. Participants are required to bring their own laptop PC. Minimum specification: XP SP3 with all updates installed, 2 Mb RAM, at least 50 Gb HDD space, CD-ROM drive and up-to-date virus protection.

