



Geophysical Data for Landscape Archaeology

Guest Editor:

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Message from the Guest Editor

Dear Colleague,

Geophysical surveys provide a ground (landscape) plan of cultural remains before excavations or may be even used instead of excavations. Such investigations should help estimate the possible archaeological significance of the area under study and its protection.

Current experience indicates that practically all geophysical methods (electromagnetic, electric, magnetic, gravity, thermal, piezoelectric, and paleomagnetic) can be applied for archaeological purposes. However, geophysical anomalies from many archaeological objects are very small. The majority of the archaeological artifacts occur in a high variable geological medium. Different kinds of noise, oblique polarization of geological and archaeological targets, and sometimes rugged terrain relief influence, all complicate geophysical field analysis.

Therefore, for the processing and interpretation of archaeogeophysical data, effective and comprehensive methodologies should be applied. Geophysical studies of different types are welcome: surface, underground, airborne, and satellite.





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