



Geographical Information Systems (GIS)

as a tool for

Heritage Management

By

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This abstract provides a concise overview of the integration of Geographic Information Systems (GIS) in the management of archaeological sites, highlighting its pivotal role in enhancing data analysis and interpretation of heritage site information. As archaeological investigations increasingly rely on advanced technologies, GIS has emerged as an indispensable tool for organizing, visualizing, and analyzing spatial data related to cultural heritage.

The utilization of GIS in archaeological site management enables professionals to create detailed spatial databases, integrating various layers of information such as excavation data, artifact distributions, landscape features, and historical documentation. This holistic approach facilitates a comprehensive understanding of the site, fostering more accurate interpretations and informed decision-making.

Moreover, GIS facilitates the development of spatial models that aid in predicting potential archaeological features, identifying patterns, and assessing the significance of different areas within a site. This predictive modeling contributes to efficient resource allocation, allowing archaeologists to focus efforts on high-priority zones for further exploration and conservation.

The training course will cover fundamental GIS concepts and practical applications tailored specifically for archaeological site management. Participants will gain hands-on experience in creating and managing spatial databases, conducting spatial analyses, and utilizing GIS tools to address real-world challenges in archaeological research and preservation. The course aims to empower archaeologists and heritage professionals with the skills needed to harness the full potential of GIS in the management and preservation of archaeological sites.

By the end of the Training you will be able to;

- Understand what is geographical information Systems, simple database, projection systems and mapping techniques
- Practice the usage of GIS to manage metadata related to heritage sites and/or artifacts
- Understand spatial distribution of heritage sites and artifacts with respect to their environment
- Learn about practical approaches of heritage databasing and site management
- Have hands on experience and applications of GIS and database to various heritage sites and artifacts.

The Training Requirements;

- Heritage scholars, students, practitioners
- Persons that are e in disposal of heritage information about specific site and/or artifacts (for application purposes)
- Laptop running Windows or MacOS.

Course Days; Monday's 8-22-29 January, and 5 February 2024.

Tuesday's 9- 23- 30 January, and 6 February 2024.

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For more details please visit:

<https://www.ees.ac.uk>

Cost:

EES Member Fee: 1300 LE

Non-Member Fee: 1500LE

Date & Time:

Start: Monday 8th January 2024.

End: Tuesday 6th February 2024.

Time: 4 pm to 7 pm