GIS FOR ARCHEOLOGICAL DATA

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Abstract- The digital system of Archaeology includes multi-scale non-destructive detection (NDD) of archaeological methods, data mining technologies and the GIS of archaeological detect. Heritage preservation is not just to protect the cultural relics which have been excavated. NDD method could detect archaeological artifacts and clarify the statues of cultural relics buried underground. Due to data mining algorithm we can obtain archaeological information via detection data. Finally, apply GIS technology to achieve the data management and data mining methods integrating. A whole new system of digital archaeology is built on the GIS platform by applying of data mining technology to realize a detection method and archaeological information mapping. The system has provided a complete technical support for the digital archaeology

Index terms*: Archaeology explore, Geographic information system, Data mining