GEOINFORMATICS FOR THE STUDY OF ANCIENT VILLAGES IN PERI-URBAN HANOI, VIETNAM

Minh Nguyen Dinh
VNU University of Science

ABSTRACT

Geoinformatics is a spatial science and technology with wide applications in planning and management research for conservation and development purposes in both rural and urban areas. Hanoi, the capital of Vietnam, is a city with more than one thousand years of history. Its ancient villages have become objects of conservation and development in the process of peri-urbanization due to their unique features and rich historic-cultural values. This paper describes how geoinformatics is used in the study of ancient villages in a peri-urban district of Tu Liem, Hanoi. A GIS database of Tu Liem ancient villages was created using remote sensing, GIS and GPS. The created database can and should be used for GIS spatial analysis, mapping, charting and tabulating to answer spatial and non-spatial questions related to location, extent and condition of ancient villages for heritage conservation and urban development.