

Changing role of GIS Technology in Social Science Research and Development: A Geographical Analysis

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ABSTRACT

Geospatial Technology is an emerging technology in social science research. A geographic information system (GIS) is a technological tool for comprehension of geography to make intelligent decisions by organizing geographic data to make it easy for any user to select specific data from the map for a specific project or task. In social science, analysis of different patterns to connect human lives in society through investigated different forms in which human lives have been influenced in historical or present times by socio-cultural or socio-political factors. Another important aspect of social sciences is economic geography which is related to the investigation of human struggles to survive with the limited available resources. This new aspect has introduced in-depth research on exploring earth for its resources more extensively than ever. GIS and the social sciences is an extraordinary amalgamation incorporating both theory and application. The application of GIS increases with the increasing dimension of the human sphere. This is feasible by exploring the role of human geography that engages a range of key challenges by bringing together GIS and spatial analysis to illustrate the significance of GIS application in solving the difficult real-time challenges. In this paper, an attempt has been made to highlight the applications and growing demand for geospatial technology in social science research. Furthermore, the importance of the application of spheres of social science where the demand for research using GIS is increasing is analyzed and interpreted.

Keywords: geospatial technology, human geography, social sciences, scientific research, resource, management