Constructing a Web-based GIS for Earthquake Monitoring in Turkey

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Key words: Internet-GIS, Earthquakes, Computer Programming, Data Transformations.

SUMMARY

This study representing the interactivity of the users and the spatial data combines the advantages of both GIS and the Internet. The aim of the study is to provide public access to information about earthquakes over the Internet due to spatial and attribute query. A dynamic map browser was designed for interacting with the earthquake information. This method provides easy access on the Internet for users to GIS data and its basic functions with low requirements. In order to built such an independent system, programming an interface is required. Also GIS data was processed and generated by using ArcView and ArcInfo softwares. As a conclusion a GIS application was developed and a web site was configured to serve the system on the Internet.