



WebGIS technology for landslide hazard modelling dissemination

Mihai Niculita, Madalina Mihai, Valeriu Stoilov-Linu, and Nicușor Necula

Department of Geography, Faculty of Geography and Geology, University Al. I. Cuza Iasi, Iasi, Romania

WebGIS technologies are the main support for web maps dissemination. Web maps represent the future of maps because present the possibility of interactivity, real-time updating and other content linking, being hypermaps. We present a study case of web map technology used to disseminate data related to landslide hazard modelling in the Iasi Municipality Metropolitan Area using a web map. The entire technology is based on open source software and data, which allow the easy implementation and the possibility to reuse the code for other similar projects. The proposed web framework can be easily replicated for other natural hazard themes. We have presented in the web map raster format data related to the landslide susceptibility and landslide hazard, digital elevation model and landslide susceptibility factors, and in vector format data related to landslide inventory. The web applications target audience is composed both from institutional actors which provide risk management and planning activities but also from institutions which provide education and general public.