



"Gheorghe Asachi" Technical University of Iasi, Romania



IMPROVING MANAGEMENT OF RISKS AND NATURAL DISASTERS BY REGIONAL GIS DISTRIBUTED APPLICATION

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Abstract

The aim of this paper is to provide a framework for the improvement of the processes involving risks evaluation and management evaluation in Central East Moldavian Region, considering the occurrence of natural disasters, such as floods, earthquakes, forest fires and landslides. Consequently, a GIS application has been developed in order to graphically reflect and analyze these risks. The studies on the targeted region would be a starting point to further extensions to other Romanian regions. The application will be publicly available in order to provide an early warning system to people, since no such services exist in Romania at individual level. Important aspects concerning risk management status and policies in Romania are also discussed.

Key words: geospatial databases, GIS, hazard maps, natural disasters, risk evaluation

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