



DECATASTROPHIZE - Use of SDSS and MCDA to prepare for disasters or plan for multiple hazards

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This project presents effective early warning and alert systems in order to ensure lives and protect citizens, property and the environment in regards to natural and also man-made disasters. Civil protection can be rewarded from developed analysis tools in order to manage the resources available at all levels within the organization. The utilization of Geo-Spatial Early-warning Decision Support Systems (GE-DSS) combined with integrated Geographic Information System (GIS) solutions and multi-criteria decision analysis (MCDA) fuses text and geographic information into one view. DECAT' s purpose is the use of GE-DSS for rapid preparation ability and sustainability to assess and respond to multiple natural, man-made hazards disasters and environmental circumstances. This will be achieved by using existing models / systems in the direction of one multiplatform, which is distributed and integrated framework known as DECAT. The project is expected to create better prerequisites for, and improve preparedness, as well as enhance awareness of, civil protection, natural hazard and marine pollution professionals and volunteers. It intends to support and equilibrate the efforts of the participating states for the protection of citizens, environment and property in regards to natural and man-made disaster. Moreover, the respective project is pointing out the importance exchanging information and experience in meanings of improving the operations of all parties involved in civil protection (private and public professionals and volunteers). DECATASTROPHIZE targets for the support of the EU coordinate countries and potentials who do not participate in the “Mechanisms and European Neighborhood Policy” countries in the view of disaster Preparedness. Enhancing their cooperation their cooperation within the union Civil Protection Mechanism is also of high importance.