

THE DECISION SUPPORT SYSTEM FOR CRISIS MANAGEMENT

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Abstract: The development of Knowledge-based Decision Support Systems for Crisis Management requires the management of complex information (Recourses, Geospatial information, Traffic etc). In some steps it is needed to solve certain tasks of Operations Research (Resource Allocation, Schedule manpower, Transport tasks, etc). This paper describes the design and implementation of a Knowledge-Based interactive spatial decision support system based on Operations Research and Geographic Information Systems (GIS) to offer a flexible interface for crisis management in City Zagreb. Preliminary analysis indicates that the use of such tools offers increasing efficiency of many crisis management problems.

Keywords: Crisis management, Knowledge-based system; Geographic information system; Decision support system; Operations Research

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