

USE OF ARCGIS EXTENSIONS DS MAPBOOK FOR CRISIS MANAGEMENT

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Pardubický kraj

Abstract

The need to unify the map resources of Pardubice region for the use of all municipalities with extended powers, all components of integrated rescue system, regional military command, regional health watch etc., led to the creation of „MAP FILES“ using the application ArcGIS DS MapBook. The output of the application is a number of exactly defined PDF files, which enable quality based print of map resources concerning particular territory ensuring the possibility to choose the data displayed on the map. Map sheets and corresponding aerial photographs provide complete information about the territory chosen by any user, expert or responsible employee. No special geographic information system is needed to operate the „MAP FILES“, Adobe acrobat reader is fully sufficient. Creation of the system came as a response to the results of exercise „POVODEŇ 2009“. In fact, the needs of geographical support of crisis management in the region were fulfilled in the same time. Maps in use are fully compatible with the needs of geographical support of crisis management according to government regulation no. 430/2006 Sb. Respective resources were passed to all user in paper (A3) form and also as a digital file. Electronic version of the system enables all users to choose particular map layers to display according to the needs of the user. Another advantage of digital system is the possibility to create original outputs, which can be displayed or printed. Considering the extent of territories of some municipalities with extended powers (e.g. Chrudim) the system enables to print particular sections of municipal territories to cover the needs in various situations. Using the application the crisis staffs and respective components of integrated rescue system are using the same map resources on all levels.

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