

Common SDI Platform for Emergency Services

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SUMMARY

Geographical information provided in a form of maps plays more and more significant role in various domains of human life by providing a user friendly mean for presentation of both spatial and non-spatial data. It becomes also critical part of emergency services, where precise features' location, navigation and tracking is crucial for undertaking the real-time decisions. The availability of up-to-date geographical data becomes the key value of GI world. INSPIRE Directive obliges Member States to make available spatial data sets related to the themes specified in the Annexes I to III of the Directive 2007/2/EC as well as the corresponding spatial data services, in conformity with the technical arrangements for the interoperability and, where practicable, harmonization of spatial data sets and services. Reference data identified by themes listed in Annex I of INSPIRE Directive play a key role for linking other data. According to the roadmap, these data shall be made available in November 2012. Considering the requirement for updating and maintenance of spatial data made available for INSPIRE purposes, the SDI infrastructure developed within a frame of EU Directive can be consumed by public services as well, serving up-to date background data for managing emergency situations. Authors will present the approach for utilization of GI services by Police, Emergency and Fire services in Poland. The common mapping services are delivered to support business workflows led by the domain service systems deployed in the decision centers and mobile devices. The results and challenges are also described providing thus the overview of project complexity. Project SDI+ is developed by Head Office of Geodesy and Cartography as a part of the Geoportal2 project co-funded by EU. Project goal is to deliver Geographic Information for emergency services in Poland. Maps are presented (or driven) by the domain service systems deployed in the decision centers and mobile devices as a part of the dispatching workflows.