

Implementation of the Outputs of Computer Simulation to Support Decision-Making Processes

Authors : Jiri Barta

Abstract : At the present time, awareness, education, computer simulation and information systems protection are very serious and relevant topics. The article deals with perspectives and possibilities of implementation of emergence or natural hazard threats into the system which is developed for communication among members of crisis management staffs. The Czech Hydro-Meteorological Institute with its System of Integrated Warning Service resents the largest usable base of information. National information systems are connected to foreign systems, especially to flooding emergency systems of neighboring countries, systems of European Union and international organizations where the Czech Republic is a member. Use of outputs of particular information systems and computer simulations on a single communication interface of information system for communication among members of crisis management staff and setting the site interoperability in the net will lead to time savings in decision-making processes in solving extraordinary events and crisis situations. Faster managing of an extraordinary event or a crisis situation will bring positive effects and minimize the impact of negative effects on the environment.

Keywords : computer simulation, communication, continuity, critical infrastructure, information systems, safety

Conference Title : ICCA 2015 : International Conference on Computer Applications

Conference Location : Prague, Czechia

Conference Dates : October 05-06, 2015