

Summary

Written by Pavel

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The project development aims to create an integrated management system for economic-financial security of critical infrastructure and personnel that should allow optimisation of strategic decisions regarding the Government's way of implication in the crisis administration resulted as consequence of major terrorist attacks, including the various forms of intervention in the financial markets making use of innovative instruments and innovative analysis models especially conceived for this project. Definitely there will be elaborated a set of 5 special models for the integrated management field, to serve the economic-financial security of the critical infrastructure and of personnel. Cost-benefit analysis (CBA) with variable actualization factor also represents a necessary instrument to establish priorities for post crisis interventions. Projection of optimal solutions for the governmental intervention in the integrated management for economic-financial security, including special solutions for periods of economic turbulence and heteronymous crisis represent a national premiere, but also a novelty on global level. The elaboration and selection of risk transfer instruments and, respectively, of risk financing for extreme asymmetrical events has a major practical applicability considering the terms for efficient solution of new problems associated to international terrorism.

The proposal is imperative for Romania and enters the thematic domains of European programs VITA (threatening evaluation and insurance and security of the infrastructure's networks), CRIMSON (Management system of security structures within urban crisis – terrorist attacks, kidnapping, CBRN crisis), IMPACT (crisis management of CBRN events) and covers an almost inexistent domain within the specialty literature in our country.

The main purpose consists in creating an Integrated Management System for economic-financial security of the critical infrastructure and of personnel against any kind of terrorism that should start with the elaboration of advanced mathematic models in order to understand the action processes and mechanisms of terrorist organizations, of response processes through the markets they integrate in and governmental intervention strategies, of rapid and precise estimation of damages, of establishing priorities for emergency interventions.

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This will allow the development and concretization of some systems for ensuring the efficient management of crisis and efficient interventions in extreme asymmetrical risk events and will offer practical solutions for economic-financial protection of the critical infrastructure and of citizens and recovering from the crisis.