

Project objectives are:

- elaboration of special models (MGSI-ASIM, MIMAOT, MATJ, AFD with incorporated VaR and TVE, PDRIV-ASIM) for the integrated management for the economic-financial security of critical infrastructure and personnel;
- use of models in the second and third stages (PDRIV-ASIM model) and forth stage (AFD model and VaR and TVE integrated packages);
- elaboration of cost-benefit analysis (ACB) with a variable actualization factor, necessary for establishing priorities for post-crisis interventions;
- projecting the optimal governmental intervention methods for integrated management of economic-financial security, including special solutions for periods of economic turbulence and heteronymous crisis;
- elaboration and selection of transfer instruments and, respectively, of risk financing for extreme asymmetrical events.

The project purpose is to develop some CDI excellence contributions through: elaboration of the general model of interdependent security for asymmetrical events (MGSI-ASIM), mathematic model in order to understand the action mechanisms of terrorist organizations (MIMAOT), analytic model for understanding the terrorism processes on the basis of games theory (MATJ), integration of value in the risk method (VaR) and of extreme value theory (TVE) within the financial-dynamic analysis model (AFD), the model for solution of rare disasters with variable intensity for asymmetrical events (VIRDP)= PDRIV-ASIM), realization of the projecting framework for some innovative financial products, elaboration of the projecting procedure for the public-private partnership (PPP) and their integration within an applicative, modular and flexible framework, which should allow the elaboration of economic-financial strategies for critical infrastructure and personnel security regarding the extreme risk asymmetrical events.

Also, it will be taken into consideration the application in practice of the resulted information as consequence of previous situations and recommendations both for the scientific community and for final users in order to improve the integrated management system of risk.