SUSTAINABLE MANAGEMENT SYSTEM OF RESOURCES USED FOR MONITORING AND EVALUATING THE ENVIRONMENTAL RISKS IN ORDER TO PREVENT THE NEGATIVE EFFECTS AND TO MANAGE THE CRISSES SITUATIONS

Carmen Leane NICOLESCU1, Gabriel GORGHIU1, Dorin CARSTOIU2, Adriana ALEXANDRU3, Elena BUCUR4, A. SIMION5

1 Valahia University Targoviste, 18-24 Unirii Bd., 130082 Targoviste, Romania
2 University Politehnica of Bucharest, 313 Independenței Ave., Sector 6, 060042 Bucharest, Romania
3 National Institute for Research and Development in Informatics, 8-10 Averescu Bd., Bucharest, Romania
4 National Institute for Research and Development for Industrial Ecology, 90-92 Panduri Ave., Sector 5, 050663 Bucharest, Romania
5 Blominfo-Geonet S.R.L., 1 Plt. Dîjescu Stan Street, 130015 Targoviste, Romania
clnicolescu@yahoo.com

Keywords: sustainable management, environmental risks, MEMDUR project, spatial databases

SUMMARY

The three years research PN2 Project “Sustainable Management System of Resources Used for Monitoring and Evaluating the Environmental Risks in Order to Prevent the Negative Effects and to Manage Crises Situations - MEMDUR”, code D11-037/18.09.2007, webpage: http://memdur.ssai.valahia.ro has the main objective to design, develop, test and implement in Dambovita county an advanced management system which has to assure the evaluation of the environmental risk in order to administrate the crises situations, in accordance with the demands required by the sustainable development on local, regional and national level. The system offers methods and technologies for spatial databases development related to the monitoring of the environmental risk factors in order to evaluate their movement and impact and to improve the environmental management quality (Grünfeld 2005). Five academic and research institutions are involved in the project activities which started in September 2007. Six different phases are designed till the end of the project (September 2010) and particular / measurable sub-objectives are targeted to be reached: (a) increasing the technical and informational level of the knowledge related to the specific conditions of Dambovita county where environmental risk factors are presented; (b) defining the spatial conditions of the management system with the view of its adaptation to the knowledge-based information society demands; (c) defining the necessary information tools for the spatial management of the county in order to evaluate the environmental risks, anticipate and prevent the negative effects; (d) creating and developing the management system and demonstrating its utility; (e) developing dedicated applications for evaluating the risks; (f) generalizing the good practices of the sustainable management system through large-scale dissemination.

REFERENCES