



Risk analysis and decision-making in urban areas: why consider NaTech scenarios?

Alexandru Ozunu (1), Emil Roman (1), Zoltan Torok (1), and Diana Gheorghiu (2)

(1) Babes-Bolyai, Environmental Science, Disaster Management, Cluj-Napoca, Romania (ozunu_al@yahoo.com, 0040264583378), (2) S.C. OCON ECORISC S.R.L., Turda, Cluj County, Romania

In order to manage and reduce risks, one has to know the risk and what it is influenced by, to be able to take the necessary preventive and protective measures. This is achieved through risk analysis. The risk analysis for industrial sites is aimed at finding out the extent of possible outcomes of accidents that could occur on them. Accidents can have various causes, usually divided between technological and natural, the so-called NaTech events. Assessing the difference between the level of individual and societal risk due to technological causes and due to NaTech causes can emphasize the importance of taking natural hazards into consideration as causes for accidents when performing risk assessments for industrial sites.