

## CONFERENCE INTEGRATED SECURITY OF THE ENVIRONS 2017

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INTEGRAL SAFETY OF ENVIRONS

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PREFACE

The sustainable development of human society requires to synchronize the socio-economic activities, not only with the environment in which it directly carries out its activities, but it is necessary to take into account the relations in a broader territorial context, often up to a global perspective. People for life and socio-economic activities need a suitable environment in the broad sense, which includes not only the environment of an individual and society, but also the working and urban environment, landscape, ecosystems, cultural and social context and relationships.

Soil is one of the basic economic resources. The size of the available non-urbanized area is in each country limited, so it is very important the continuous use of the in the past urbanized territories. In the context of sustainable urban development there is often mentioned the need for preference the restoration of Brownfields to urbanisation of previously unused territory (green meadows-Greenfields), in order to prevent the uncontrolled growth of cities. From the point of view of sustainable development, it is necessary to ensure that there is no abandonment of old economically unprofitable industrial areas, which are often burdened also with contamination. There is a need to establish a legal and financial framework for their continuous renovation. It is important to promote research and development of new environmentally suitable technologies and management practices to reduce the costs of the recovery process. For this reason it is very important the cooperation of public and private sector.

An attendant phenomenon of dynamic economic development of the regions in recent decades is spontaneous extensive growing of metropolitan agglomerations, and uncontrolled expansion of settlements. New commercial activities are often built on green meadows and thus there is another expropriating of a free landscape. On the contrary, the lands on which there were before placed industrial activities and which represent a potential source of contamination of the environment, they are often abandoned or only partially used. These are known as Brownfields – they are usually some territories left to their own fate, or they are only partially exploited due to fears of possible contamination of the territory. As Black-fields there are referred the lands that are extremely contaminated and the contamination rate represents an unacceptable risk to human health and to the entire ecosystem, or the lands, which clean-up is economically and very time consuming and, therefore, in the renovation of the territory there are present several limitations for future utilization of this territory.

The issue of environmental loads is addressed as a priority to improve the status of deteriorated and endangered components of environment due to long-time human activity and at the same time for the creation of the conditions for the gradual elimination of the sources of contamination of groundwater, soil and rock environs and remediation of contaminated components of environment.

The main objective is to achieve a high level of human health and the quality of the individual components of the environment and associated higher level of quality of life.

At the development of the country and the raising of new industrial sites, it happens that some of the old industrial enterprises cease to exist. The buildings and areas are no longer used and deteriorate. Thus there arise for the country different environmental burdens that may cause contamination of the environment. In industrial areas there are the most common causes some uncontrollable losses during the handling with chemical substances, preparations, leakage from the tanks and the crashes. Some abandoned buildings in urbanized or a rural environment are proof that times have changed and the society does not have the capacity or the interest to clean up the unwanted, outlived remains. Revitalization and regeneration of the economic value of agricultural buildings, yards and constructions is the long term and for a village often too demanding process. System approach and positive examples may suggest how to proceed for the burden of the village to be turned to its competitive advantage.

There are lots of disasters, where risks are not negligible. Some of the disasters have a high potential to destroy the territory, and not only its citizens, but also the landscape, ecosystems and human settlements. Therefore, the institutions organising the life of human society must properly manage and direct the safety of the socio-economic activities in the territory, in particular from the point of view of environmental protection of the society. It is self-evident that also individuals need to adapt their behaviour to these objectives. For the implementation of environmental and security policy in practice, there are used multiple instruments, economic, legal, educational, informative, administrative, institutional, and in recent years there are promoted also some voluntary tools.

The main obstacle to the improvement of the quality of the environment it is unsustainable production and consumption, combined with the tremendous pressure on natural resources. Whereas the sustainable production and consumption will decisively contribute to fulfilling the objectives of sustainable development, it is necessary to achieve changes in production patterns and consumer models, while maintaining the growth of economic performance. Integration of these conditions is subject of the environmental policy of the new generation, in which the tools of direct regulation (legal instruments) are complementary to instruments of self-regulation, the so called voluntary tools.

The aim of the Conference "Integrated security of the environs 2017" is to provide a suitable platform for the information of professional and scientific public, representatives of self-government and state administration, the exchange of experience and the presentation of new results in the issue of security of the environment.

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