

**REPORT**  
**on progress to implementation of**  
**Hyogo Framework Declaration**  
Measures on decrease of natural disaster risk

**Part A. Cover page.**

Executor: Ministry of Emergency Situations of Kyrgyz Republic

Activity: Governmental body in sphere of prevention and liquidation of emergencies, civil defense, safety of production and mine supervisory.

Country: Kyrgyz Republic

Level of report: Country report

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## **Part B. Summary information.**

### Description of the results:

To implement obligations taken by Kyrgyz Republic within Hyogo Declaration, "Country strategy and national action plan of Kyrgyzstan on implementation of Hyogo Declaration for 2005-2015" was elaborated and presented to the Government of Kyrgyz Republic for discussion. Priorities for decrease of natural disaster risks were included into the compound part of medium-term Strategy of country development (SCD) for the period 2007-2010 (confirmed by the governmental resolution dated March 23, 2007, No.84.), defining general directions of development and activity of the country.

Kyrgyzstan possesses diversified monitoring system, requiring re-equipment, scientific researches of natural dangers are fulfilled for assessment and monitoring of dangers of natural disasters.

Department "Protection in emergency situations" was established in one institute of higher education of the country to raise the safety culture and potential of education.

To cut the risks of potential sources of danger, MES builds and maintains protective facilities, with this purpose international investment organizations are actively attracted.

Strengthening of readiness to emergency situations and effective response in Kyrgyzstan are implemented by reforming governmental administration system in emergency situations and creating new rescue divisions.

### Affection of results for the country development:

Conditions for development and building of effective system of earlier prevention, response for emergency situations were created. Governmental system of natural disasters and catastrophes monitoring is implemented, governmental management system in emergency situations is reformed, and this assists economic development of the country and social protection of population.

### Recommendations how to implement (renovate) policy and planning:

It is required to attract wide layers of population and local governments to measures for reduction of natural disasters risks and vulnerability to natural disasters with a help of its training and establishment of voluntary rescue teams.

It is necessary to develop and approve National complex plan for prevention and liquidation of emergency situations to ensure effective protection of population and territories against emergency situations.

## **Part C. Report on progress to implementation of Hyogo Framework Declaration.**

### **Section 1. Reduction of natural disaster risk as national priority.**

To implement obligations taken by Kyrgyz Republic within Hyogo Declaration, "Country strategy and national action plan of Kyrgyzstan on implementation of Hyogo Declaration for 2005-2015" was elaborated and presented to the Government of Kyrgyz Republic for discussion.

Strategy and Action Plan include all the priorities of Hyogo Framework Declaration:

1. Development of national institution base on struggle against emergency situations;
2. Improvement of the systems for earlier prevention of natural disasters;
3. Rise of potential of education and science intensive decisions for safety conditions in response for emergency situations;
4. Feedforward of appearance of sources and factors of risks forming;
5. Strengthening of readiness of efficient response and self-defense against emergency situation.

Investment package of priority "Action programs and pilot projects" brought into the Government of Kyrgyz Republic and directed to reduce population poverty, risks and ensure complex security against natural disasters and catastrophes, was elaborated as supplement to this Strategy and Action Plan.

Priorities for decrease of natural disaster risks were included into the compound part of medium-term Strategy of country development (SCD) for the period 2007-2010, defining general directions of development and activity of the country and confirmed by the Resolution of Governmental of Kyrgyz Republic dated March 23, 2007, No.84.

Priorities for decrease of natural disaster risks are marked out as separate division "Ensuring of complex security of population and territories against natural disasters and catastrophes" (item 5.4.2) in the strategy of country development. They include the following tasks:

- 1 – recultivation and rehabilitation of radioactive and toxic tailing pits and mountain dumps;
- 2 – protection against breach of lakes and artificial reservoirs;
- 3 – study of dangerous natural processes;
- 4 – ensuring of seismic security of population and infrastructure of settlements;
- 5 – establishment of system of remote monitoring of dangerous processes;
- 6 – establishment of socially oriented system of population protection.

Above mentioned documents permitted to include reduction of natural disaster risks into one of the main priorities of the State and promote these measures into priority areas of financing (also at the expense of international assistance provided for Kyrgyzstan).

The following steps to this direction shall be established for “National plan for emergency situations management”, which shall include measures for prevention and forecasting of emergency situations, responsibilities of local governments and governmental agencies shall be defined concerning response and liquidation of emergency situations, different response descriptions for every type of natural disasters shall be elaborated.

Further, it is required to implement legislative and regulatory base of the republic and bring it to correspondence with “National plan for emergency situations management”.

## **Section 2. Assessment and monitoring of natural disaster risks.**

Ministry of Emergency Situations continuously fulfills monitoring of potentially dangerous areas of natural processes development (landslides, torrents, floods, coastal soil erosion, underflooding with ground water, hydrometeorological dangerous phenomena, etc.), in order to assess the threat and forecast emergency situations of natural character.

To study dangerous natural processes special organizations of National Academy of Sciences implement scientific and research works concerning: study of seismic danger (Institute of Seismology); sliding danger (Institute of Geology and Institute of Physics and Rock Mechanics); unsteady highland lakes (Agency on Geology); underflooding with ground water (Institute of Water Problems), etc. These scientific organizations have special network for monitoring concerning fulfillment of their functional tasks and registering changes of natural environment.

Kyrgyz-German Central Asian Institute exists in Bishkek city, studying geocatastrophes, with purpose of applied scientific researches of soil and prevention of natural disasters.

Today to improve earlier prevention of natural disasters system and dangerous natural processes monitoring system, Ministry of Emergency Situations with assistance of international investors develops the system for monitoring of large landslides, the system for monitoring of radiation situation in region of Mailuu-Suu town (where many radioactive tailing pits are accumulated). Also Ministry of Emergency Situations additionally finances special organizations for study of specific areas of dangerous natural processes and implementation of special scientific investigations.

The results of scientific researches and continuous monitoring of various organizations and scientific institutions of Kyrgyzstan are prognostic materials of possible activation of natural disasters, issued by Ministry of Emergency Situations from 1998. Beginning from 2005, these prognostic materials are elaborated in all administrative regions of the republic and are distributed to all interested governmental agencies in 2006 with assistance of Asian Center on reduction of natural disaster risks.

Development of system for assessment and monitoring of natural disaster risks shall include: application of advanced technologies and methods of remote sensing and monitoring, use of geoinformation technologies. To implement these tasks, special organizations and departments of Kyrgyzstan shall be equipped with the advanced techniques and technology applied for assessment and monitoring of natural disasters, conditions shall be created for their close collaboration under single governmental body.

### **Section 3. Rise of education potential for establishment of safety culture.**

To implement single governmental policy of legal relation regulation in nature management, protection of environment to forecast and prevent emergency situations, Government of Kyrgyz Republic approved by the resolution dated September 11, 2006, No.650, Targeted scientific and technical program of preparation of specialists for protection in emergency situations according to which Kyrgyz-Russian Slavic University shall educate specialists. Starting from 2006, specialists are educated at the department "Protection in Emergency Situations" according to this program in Kyrgyzstan.

Ministry of Emergency Situations, international and non-government organizations with assistance of various international organizations conduct educational seminars for local communities in pilot regions of the republic for education of local communities subjected to emergency situations.

Ministry of Emergency Situations with assistance of Asian Center of reduction of natural disaster risks developed and published complex of educational and training materials in 2006 for employees of local governments and population, which are distributed to all the local governments of Kyrgyzstan. The Ministry also constantly educates employees of governmental administrations and local governments in special division of MES, information booklets and brochures of natural and anthropogenic dangers of country are periodically issued.

Ministry of Emergency Situations developed plan of collective preparation and advanced training in 2007, according to which education is planned on five levels: objective, local, territorial, regional and republican, with the purpose of common education of population to the methods of protection against emergency situations of various character. Today education on MES trainings is implemented according to the requests of interested structures and organizations.

To raise safety culture in Kyrgyzstan, it is required to introduce into educational school programs special courses "Safety of life activity", on base of which pupils shall study necessary skills of behaviour in natural and anthropogenic disasters.

### **Section 4. Reduction of main factors of risk.**

To reduce natural disaster risks, Ministry of Emergency Situations annually builds and repairs protective facilities of settlements and infrastructure against dangerous natural processes and phenomena, basing on previously developed forecast of possible activation of dangerous natural processes. Thus, MES built and repaired 114 protective objects (sill dams and bank protection embankment, collector and drainage systems, branch ducts, etc.) in 2006 for amount 259.5 million som (or 6.8 million USD).

Ministry of Emergency Situations provides local governments and governmental administrations with material assistance for trouble-free pass of flood waters and reduction of ground water levels on the underflooded territories. Such assistance amounted 13 million som (or 0.34 million USD) in 2006.

To provide safety maintenance of tailing pits and rock dumps, the Ministry implements emergency recovery works of protective facilities of derelict (not operated

and left without supervision bankrupt and eliminated organizations) tailing pits and rock dumps. Also to provide safety maintenance of tailing pits and rock dumps within international assistance, the first stage of recultivation of uranic tailing pits in Kadgi-Say village (Issyk-Kul oblast) for amount 400 thousand USD in 2006. Works on reduction of affection of radionuclide from tailing pits of Mailuu-Suu town (Zhalal-Abad oblast) for population and environment for implementation of which 7 million USD are provided within international project of World Bank "Prevention of Emergency Situations".

## **Section 5. Strengthening of readiness for efficient response for emergency situations.**

Interdepartmental Governmental Commission on prevention and liquidation of emergency situations, chaired by Prime-Minister of the Republic jointly with the leaders of all Ministries and Departments, was established according to the Resolution of Government of Kyrgyz Republic dated March 13, 2006, No.156, in order to improve state system of prevention and liquidation of emergency situations, ensure its functioning, raise efficiency of decision making on problems of protection of population and territories against emergency situations.

This commission is assigned to coordinate activities of governmental agencies in sphere of prevention and efficient liquidation of emergency situations.

For short term of existing of this commission, necessity of such body, coordinating measures for prevention and liquidation of emergency situations at governmental level, was confirmed.

Center of management in crisis situations (CMCS) was established and equipped with a help of international investors, to raise potential of agencies aimed to prevention and liquidation of emergency situations. It is assigned to ensure activity of single governmental system for prevention and liquidation of emergency situations, interdepartmental commission, and management bodies of MES. Today CMCS implements everyday monitoring of dangerous natural processes, efficient transfer of information from the site of occurrence, remote guidance of rescue and liquidation works. During the works CMCS formed single database on forces and means assigned for liquidation of emergency situations, database on sites of development of dangerous natural processes, industrial enterprises applying drastic toxic substances and dangerous production cycles, database on storehouses and burial of dangerous substances.

Three interregional administration of MES were established: Northern, Eastern and Southern, in order to improve structure of MES management and its decentralization, transfer of work accent to regional and urban departments of MES from early 2006.

Reforms on collection of fire brigades on the base of fire stations and single rescue telephone "101" are implemented for efficient response for emergency situations in MES of Kyrgyzstan. At present time these proposals are considered by Government of Kyrgyzstan

Further we consider as necessary creation of teams or rescue services for efficient response in every local government with purpose of efficient response for emergency situations. This will enable efficient response for all emergency situations of various characters, reduce time of rescuers arrival to the sites of occurrence.

To improve legislative base, integration of principals and functions of two state systems: Single state system of prevention and liquidation of emergency situations of natural and anthropogenic character (SSES) and system of Civil defense into one complex, efficient protective system for population and territories in emergency situations of various character, the draft of Law "On Civil defense" was elaborated and given to consideration by MES. This draft of law defines for Kyrgyzstan general organization and legal regulations in area of Civil defense of population and territories in emergency situations of peaceful and military periods.