

DECISIONS

Of the First Eurasian Conference "RISK-2019"

"Innovations in minimization of natural and technological risks",

May 22-24, 2019 in Baku, Azerbaijan

In the First Eurasian Conference "RISK-2019", there have been listened reports in the field of provision of comprehensive safety from more than 150 representatives from 26 countries (Australia, Azerbaijan, Belorussia, Bulgaria, Bosnia and Herzegovina, Georgia, Israel, India, Iran, Italy, Kazakhstan, Kyrgyzstan, China, Lithuania, Moldova, Poland, Russia, Tajikistan, Turkmenistan, Uzbekistan, Ukraine, France, Croatia, Switzerland, Estonia, Japan).

The main directions of activity of the Conference were the followings:

- Analysis of risk of natural disasters (earthquake, mudflow, thunderstorms), floods, forest and lowland fires, landslides, volcanoes);
- Development of cooperation of the countries of EAEU, CIS, Eastern Europe, Himalaya, Siberia, Caucasus, Japan;
- Support of Sendai Framework program of activities of UN on minimization of Risk of natural disasters for 2015-2030. As a basic managing document where strategic aims and priority directions of activities are reflected, as well as expected results;
- Identification of innovation in defining various types of dangerous of natural and anthropogenic character, their analysis and evaluation;
- decreasing technological risks in the field of oil and gas extraction territories, urban planning, transportation and industrial facilities;
- Scientific justification of basics of governmental policy in the field of evaluation of risks of comprehensive safety;
- Geographical information systems and space sounding of Eurasian territory.

The Book of Theses and Working Program of the Conference "RISK-2019" are posted on the webpage of the conference.

As the scientific justification of solution of these problems they had been adopted concept of identification, minimization and management of risks of emergency situations in line with international and national programs for the period up to 2030 on provision of life in zone under risks.

The International Program and Organization Committee of the Conference "RISK-2019" is identifying importance actuality of initiative of Azerbaijan in defining new tasks in development of risk-oriented approaches in science, economy, environment, construction, industry, education.

These problems and tasks are going to be subjects of new Eurasian conference "RISK" on systematical international cooperation in the field of comprehensive problem analysis, warning and prevention of emergency situations of natural and technological character in the territory of Eurasia.

In the reports, speeches and discussions there has been mentioned the followings by the participants of the Conference:

- Time and actuality of topics of reports and messages related to urgency of provision of comprehensive safety of population and territories in Eurasia from emergency situations of natural and technological characters;
- Importance of coincidence of deep fundamental scientific researches on the theory of safety and risks with their applied and practical directions for real decrease of risks to the level acceptable in industry, energy, transportation, construction and agriculture;
- Priority of expansion of researches and development conducted at the moment with scientific justification by the academic institutions of Academy of Sciences of Russia, National Academies of Sciences of Azerbaijan, Belarus, Kazakhstan, Ukraine, Uzbekistan and Tajikistan:
 - Risk-oriented approaches in evaluation of comprehensive safety of marine oil and gas projects;
 - Provision of scientific justification of geodynamic, seismological monitoring on dangerous industrial facilities, including marine facilities;
 - Analysis and recommendations on applied materials in designing, development, testing and exportation of marine oil and gas platforms (stationary and lifting and etc.), deep marine extraction facilities, marine oil and gas pipeline systems and etc.
- Urgency of defining in national and international level new fundamental and applied scientific tasks:
 - Mathematical theory of disasters and probability theory of risks;
 - Physical, chemical and mechanical accident cases and disasters;
 - Theory of limited conditions durability and resource, taking into account accidental and disasters situations;
 - Theory of firm, functional and combined accident protection of facilities, operators and stuff;
 - Theory of monitoring and forecast (with application of space, air and ground systems) scenarios and consequences of technological disasters);
 - Scientific methods, technology and technical liquidation of consequences of emergency situations of technological character;
- Urgency of existence in countries of territory of Eurasia the achieved level of justification of safety capacity of dangerous facilities including the criteria's of reliability, resource, survivability, thermal resistance, cool resistance, and seismological resistance.
- Importance of categorization of facilities of technological sphere, with consideration of risks of occurrence of accidents and disasters in following fields:
 - Facilities of technical regulations (FTR), safety of exploitation which are provided in line with the law on technical regulation - their number is counted with millions and tens of millions;
 - dangerous production facilities (DPF), safety an exploitation on which are regulated in line with the law on industrial safety - their numbers are counted with hundred thousands;
 - critical important facilities (CIF), the safety an exploitation of which are provided with the decision of the Security Council of Russian Federation - their number is counted with thousands;
 - Strategically important facilities (SIF), the safety of function of which are influencing to the condition of to the status of national safety of the country - their number is counted with hundreds.
- Urgency of exploitation of marine oil and gas reservoirs, especially Arctic - this is principally new strategically field of activity; in this field, it is important to establish and apply unique technologies and facilities which can obviously are of critical and strategic important facilities and category of risks;
 - Importance of submitting the followings for the organizations that are providing services in the field of industrial safety in designing, developing, construction and exploitation of marine oil and gas facilities:
 - Excluding and minimization of existing requirements on regulation of safety;

- use of up to day technologies and facilities, application of remote control and new technologies with provision of comprehensive safety of marine oil and gas facilities;
- Consideration and support of thesis submitted to the Conference:
- On separate regulation of marine oil and gas activity;
- On appointment of a single (one) body on contolee for comprehensive safety of marine oil and gas facilities;
- On establishment of special governmental expertise of marine oil and gas projects

On the bases of exchange of opinions there has been adopted the following decisions with support of majority:

- Positively evaluate importance and actuality problems, conditions and atmosphere of conducting Conference "RISK-2019".
- To express gratitude to all participants and reporters of the conference, emphasizing their work with corresponding certificates.
- Publish in electronic devices and in on the web page of the Conference the materials and presentations of reports.
- Establishment of working group consisted of the members of Organizational and Program Committee, participants of conference with the aim to prepare Organization of 2nd Eurasian Conference RISK 2020 (pending for proposals on participants).
- To ask Working Group and delegation to implement preparation of 2nd Eurasian Conference "RISK-2020" in 2020 with identification of its field of activity.
- To Consider opportunity to organize 2nd Eurasian Conference "RISK-2020" in April, 2020, in the city of Tbilisi, Georgia.
- With In the framework of the 2nd Eurasian Conference "RISK-2020", to organize Symposium on the topic: "Technological, environmental and economic risks of oil and gas field".
- With In the framework of 2nd Eurasian Conference "RISK-2020", to organize Spring School for Young Researches in the topic: "Risk and Safety" under the auspices of UNESCO (or NATO).

ORGANIZING COMMITTEE
The First Eurasian Conference RISK-2019