St. Petersburg University of State Fire Service of EMERCOM of Russia and Project 14.3: «Deliverables, Experience, Suggestions»

Brussels

14 May, 2013

Dr., Professor Galishev Mikhail
Umanets Dmitry
Saint-Petersburg University of State Fire Service of EMERCOM of Russia
• The oldest fire-engineering educational establishment in Russia

• It starts its history from 1906 October 18, when the Fire Technical Courses were established
Since the beginning of Fire Technical Courses and in modern history cadets take part in Saint-Petersburg emergency protection.
University provides education in 78 directions in spheres as following

- Fire and Industrial Safety
- Emergencies Protection
- Rescue Operations of Special Risk and Emergency Humanitarian Response
System Analysis and Crisis Management

Forensic Enquiry and Fire Investigation

Legal Support of the National Safety
Psychology of Risk, Emergencies and Crisis

Financial and Economical Support and Logistics of the Activity of EMERCOM of Russia

Informational Technologies and Communication Systems
CBSS Civil Protection Meeting September 2011 Tallinn

The First meeting of the CBSS with the University
Suggesting University practical participation in EUSBSR Flagship Project 14.3

Special proposal for the University:

Co-financing from the Swedish Institute
BSR Civil Protection Senior Expert Meeting

February 2012

Presentation on:

- Human factor in maintenance of nuclear safety of natural and man-made sites

- Method and technical means for identification of oil pollution in natural environments for monitoring and forecasting of emergencies
Agreement on cooperation in the field of prevention and elimination of emergencies in Baltic Sea region was signed

16 May 2012
EU Commission, the CBSS, Swedish Institute representatives visited the University
DSB representatives visited the University
University participation

TASK C:

Macroe regional risk scenario/hazard and gap analysis
University Working group

1. Mikhail Galishev – Doctor, Professor
2. Yuriy Motorigin – Doctor, Professor
3. Victor Gromov – Doctor, Professor
4. Fedor Dementev – PhD, Docent
5. Dmitry Umanets
Russian-Finnish seminar: "The organization of forest fires extinguishing in cross-border areas"
Vyborg, November 2012
International seminar: “Macro-regional risks assessments” 
Riga
December 2012
Macro-regional risks assessments

Expert Councils:

- The possible risks assessment at sea accident;

- The possible risks assessment in accident at nuclear plant.
Midterm Conference
Warsaw
January 2013
BSR Civil Protection Senior Expert Meeting
Vologda
University delegation visits
Norwegian Directorate for Civil Protection
University delegation visits
Norwegian Directorate for Civil Protection
University delegation visits Headquarters of Oslo Fire Service
Final workshop
Task C
Hamburg
Saint-Petersburg
International workshop

«NATURAL AND MAN- MADE RISK ASSESSMENT IN THE BALTIC SEA REGION»

2013, May 28- 29
Publishing the studies

“Natural and man-made risks assessment in the Russian Federation”
The 11th Civil Protection Directors-General Meeting
June 2013

Vologda town
Experience in the Project

- Opportunity for project participants to meet and
- share our experiences, and
- to get to know participants from other teams
Experience in the Project

The most interesting

- An integrated approach to risk assessment.
- Risk assessment by developing scenarios
- Using of expert judgments for risk analysis.
Experience in the Project

The most interesting

- High risk of high water flooding in Poland
- In Norway Specific risk is Rocks collapse (slides)
- Surge flooding in Hamburg
Suggestions

Groups of risks on manifestation frequency

The risks of emergencies by the processes and phenomena of a permanent nature

The risks of emergencies from repetitive phenomena and processes

The risks of emergencies from rare situations that do not have at the moment a satisfactory statistics
- First group risks can be assessed and predicted by deterministic models based on monitoring data.
- Second group risks should be assessed by statistical methods using expert estimation based on stochastic models.
- Third group risks can be assessed only by expert estimation using stochastic models.
St. Petersburg and Leningrad region characterized by the following hazards:

- Pollution bottom of floating craft and explosive hazards, flooded during the Second World War.
- The biggest part of the North-West region was the battleground during the past wars.
- An uncontrolled flow of petroleum products into the soil or water.
Planned Oil loading ports in the Finnish Gulf

- port in a bay Batareynaya for oil products full capacity of 15 million tons/year
- port in Primorsk for crude oil, oil products, chemical freights and, the liquefied gas full capacity of 45 million tons/year.

- The general extent of pipeline system within the Leningrad region will reach 3500 km.
- Pipelines on a bottom of the Gulf of Finland (about 60 km)
Meteorite attacks or solar activity
The End of the Project and our Agreement
June 30, 2013
Looking into the future
Thank you for the attention!

Looking forward to see you in St. Petersburg!

www.igps.ru
28th May

1st part

Natural And Man-made Risk Assessment In The Russian Federation

1. Unified Emergency Rescue Service in Russia
   1.1 Main tasks and its structure
   1.2 Basic terms and emergencies classification in Russia
   1.3 Causes of manmade disasters and their characteristics
   1.4 Main principles of population and territories safeguard from emergencies.
   1.5 Comprehensive measures for protection of economic entities and population from emergencies in Russia.
1st part

Natural And Man-made Risk Assessment
In The Russian Federation

2.1 Threats identification and risk assessment
2.2 Expert methodological approach to risk assessment

3. Example of risk assessment of emergency
within the framework of the Project 14.3.
28th May

2nd part

International experience in Risk Assessment

1. Country?
2. Country?
3. Country?
to take part:

1. Fill in the registration form & passport copy
2. Short presentation
3. 5-10 minutes
4. Send it us asap

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