



PROSPECTS FOR THE DEVELOPMENT OF RUSSIAN MINE RESCUE PROGRAM

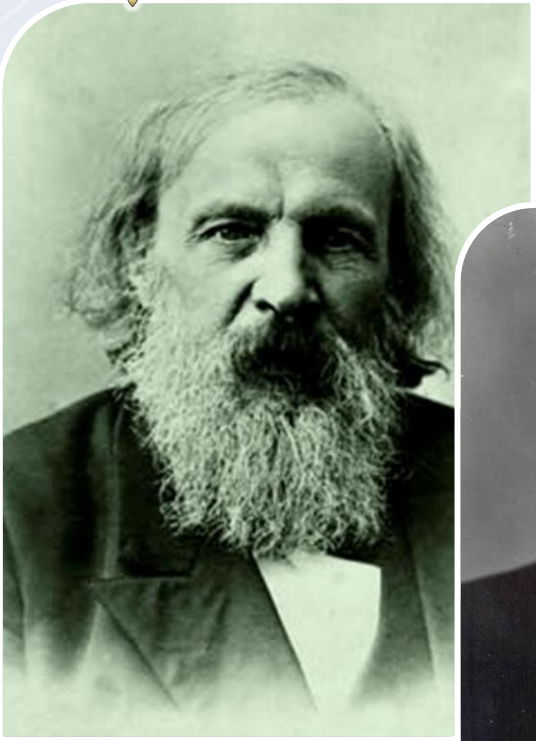
Speaker:

Deputy Minister for Civil Defence, Emergencies and
Elimination of Consequences of Natural Disasters

Vladlen Aksenov



Foundation of mine rescue service in Russia



D.I. Mendeleev



A.A. Skochinsky



A.M. Terpigorev

Volunteer mine rescue team





Foundation of mine rescue service in Russia



*«Who goes to a mine with
a breathing apparatus to rescue his
fellow-miners, performs as noble task
as a soldier who stands with a gun to
defend his Homeland»*



The first mine rescue stations in Russia

Departure of mine rescue team to a mine



The first mine rescue station in Russia

Development of mine rescue services in Russia





Location of mine rescue stations and substations of EMERCOM of Russia

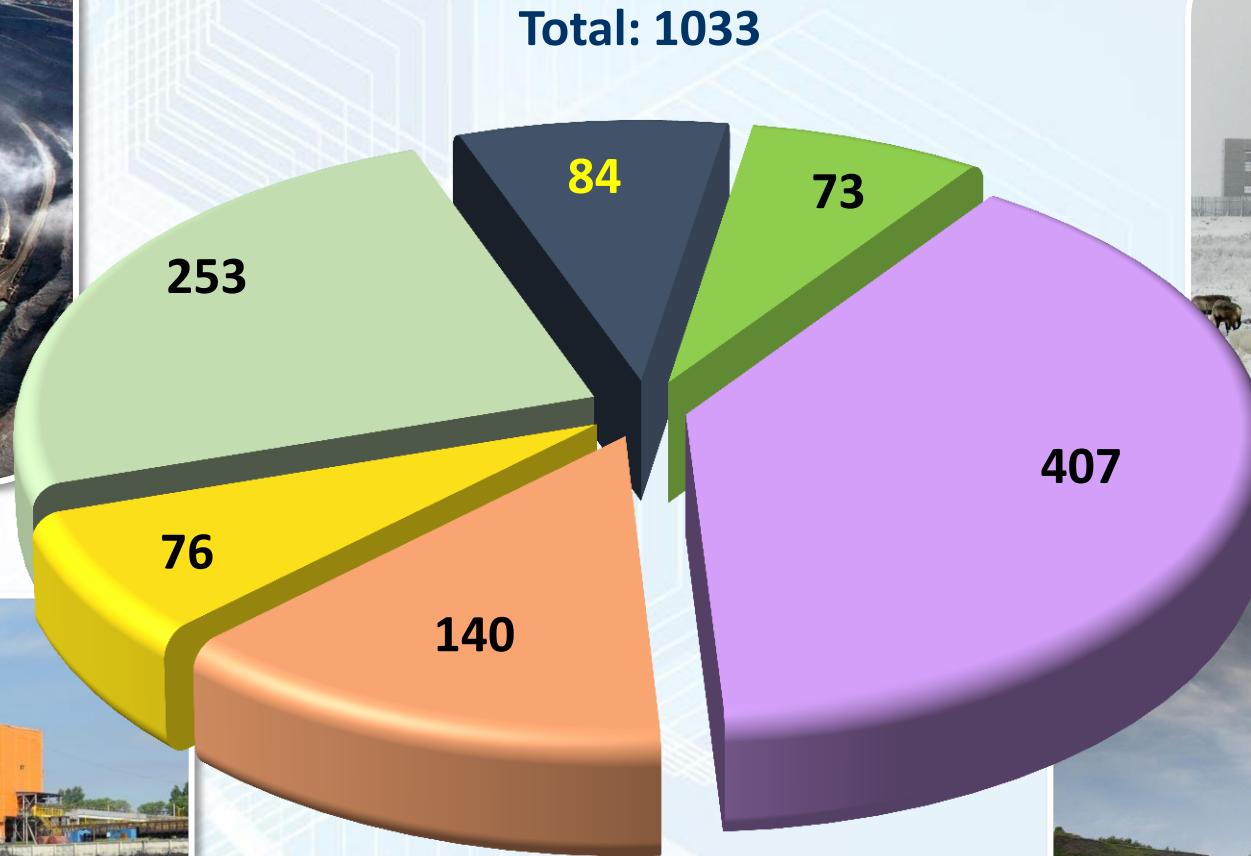
Mine rescue services comprised of:

- 18 Stations;
- 62 Sub-stations;
- Total number of personnel: more than 4000 people.





Hazardous industrial facilities covered by MRS EMERCOM of Russia

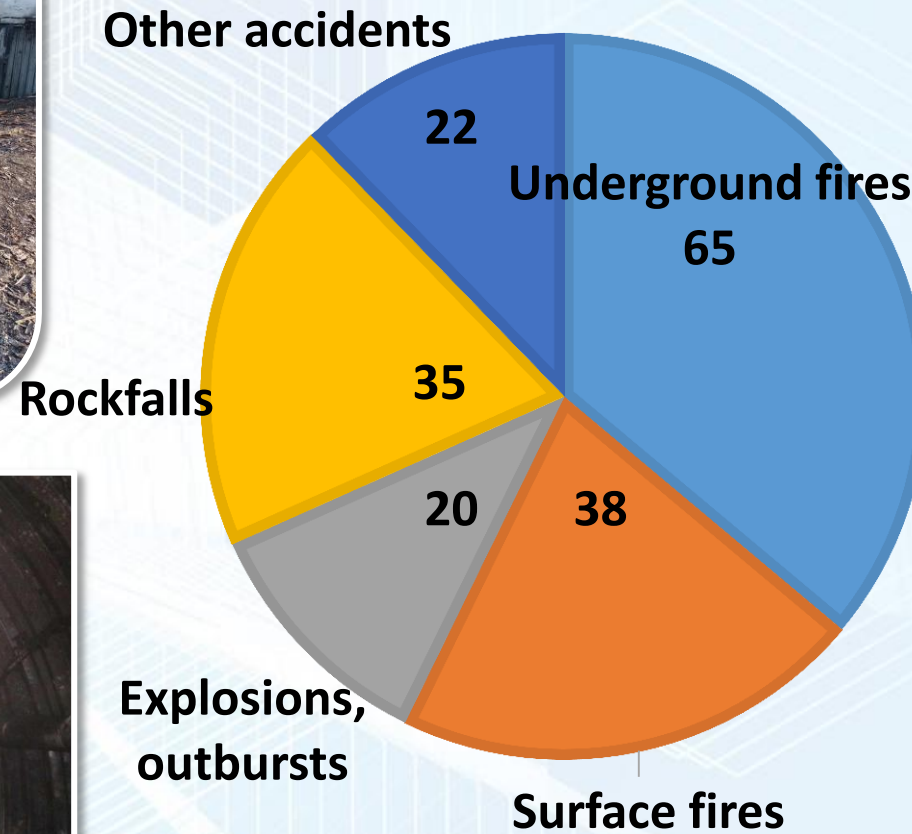


- Coal mines
- Ore mines
- Open pit
- Processing plants
- Underground construction
- Other objects





Number of accidents (2011-2016)





Development of auxiliary mine rescue teams

There are 335
voluntary mine
rescue teams in
mining industry

total number of
staff - 11 902



In 2015 – 2016
members of the
voluntary mine
rescue teams took
part in 33
emergency
responses at
mining operations



Introduction of risk-oriented approach

COAL MINES



ORE MINES



OPEN-PIT MINING



The first stage (2016-2017)

✓ Development of voluntary mine rescue teams as an effective element in emergency response:

- training of members of voluntary teams;
- cooperative exercises with professional mine rescue services of EMERCOM of Russia;
- creation of the legal framework for voluntary mine rescue teams

The second stage (2018-2020)

Use of voluntary mine rescue teams as an essential element of the system for preventing accidents and emergency response

Redistribution of functions and optimization of professional mine rescue teams

Changing the order of deployment of the professional mine rescue teams in case of emergency response



Establishment of unified requirements for mine rescue services

CHANGES IN THE FEDERAL LAW OF 22.08.1995 № 151-FZ

- Set the specific procedure for the establishment of professional mine rescue services only by decision of the Russian Government.
- The Russian Government has been authorized to establish requirements for qualitative and quantitative parameters of professional mine rescue services, including the procedure of fixing of value of service.

RESULTS

- The development of service is ensured, human resources are preserved, raising the, level of technical equipment the is likely to be risen, as well as facilities and organization of the training process.
- Effective interaction and the possibility of an operational concentration of mine rescuers to eliminate major accidents are guaranteed.



Development of the equipment of the Mine Rescue Service



Mine rescue truck



Gas-analysis laboratory



Multifunctional training complex



Thermal Imaging Camera



Monorail rescue system



Fire truck



National Mines Rescue Centre

Garage boxes for 25 units and
repair boxes for 6 units

Helipad

Tribune for 200 seats

Sports core

Apartments

Complex office
building

Sports Complex

Technological module

Training ground

Training complex



The background is a vibrant blue with a complex pattern of white, glowing geometric lines. These lines form a series of concentric, overlapping shapes that resemble stylized buildings or a futuristic cityscape. In the lower right corner, there are several solid blue hexagons of varying sizes, some of which are slightly offset from the main line pattern. The overall effect is one of depth and modern technology.

THANK YOU FOR YOUR
ATTENTION!