

The International Workshop on seismic safety of population and territories

will be held within the framework of the International Salon “Complex Safety – 2010” in Moscow, Russian Federation on May 18-21, 2010

Organizers:

Ministry of Civil Defense and Emergencies of the Russian Federation (Emercom)
Institute of Environmental Geosciences Russian Academy of Sciences (IGE RAS)
National Geophysical Committee Russian Academy of Sciences (HGC RAS)
The International Society on Emergency Management (TIEMS)
CODATA WG on Documentation, Archiving and Open Access to Disaster Information

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The experience of recent disasters in Chile, Haiti, China, Indonesia, Turkey and many others shows that authorities who are responsible for emergency response are lacking prompt and reliable information on the disaster. At the same time, these disastrous earthquakes have shown once again that, all over the world, the preventive measures are most often insufficient; not all countries may at present afford expensive earthquake-resistant constructions and/or strengthening of existing buildings. Nevertheless, timely and correct action just after an event can result in significant benefits in saving lives and prompting rehabilitation phases. Information about possible damage and expected number of casualties is very critical for taking decision about search and rescue operations, as well as offering humanitarian assistance.

Earthquakes are likely to trigger “secondary” natural events and technological accidents, which should be taken into consideration in loss computations.

To make loss assessment various data are required, first of all, data on elements at risk; quality of these data influences greatly the reliability of estimation outcome. Impact data of past events are also badly needed for calibrating the whole process.

Topics which will be discussed during the workshop:

- Loss assessment in emergency mode
- Field survey and rehabilitation preparation
- Scenario events consequences and preventive measure plans
- Regional vulnerability functions of different elements at risk
- Regional seismic intensity attenuation laws peculiarities
- Criteria of related hazards occurrence in the case of strong earthquakes
- Case studies of loss assessment at urban and facility levels
- Past strong event consequences
- Databases on population and built environment used for loss assessment
- Global impact data management
- Earthquake preparedness