





Responding to environmental challenges with a view to promoting cooperation and security in the OSCE area
FIRST PREPARATORY MEETING

Disaster Management in Mongolia

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Country profile



Total territory	1,564,115.75 km ²
Population	2,736,800
Administrative divisions	21 Aimags 341 Soums
Ethnic groups	95% Mongols 4% Kazakhs 1% Others
Capital city	Ulaanbaatar (~40% of the population live in)



NEMA

National Emergency Management Agency



- Vision**
- **Support** in providing national safety through risk and vulnerability reduction;
 - **Strengthen** disaster management and implementing intensively disaster protection measures based on community involvement

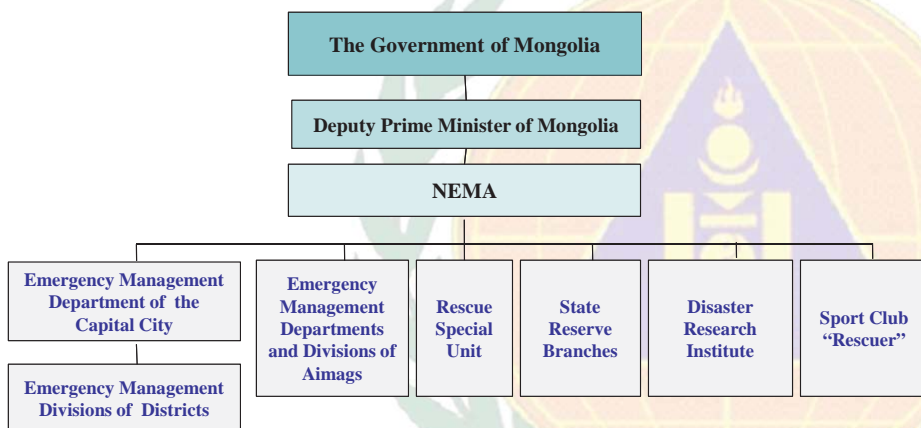
“We rescue, protect and assist”

Main duties

- Develop, monitor legislative environment on disaster protection
- Strengthening capacity of national disaster protection
- Provide strategic management
- Cooperation with foreign countries and international organizations
- Implement policy on state reserve
- Evaluate disaster risk and vulnerability
- Implement activities on disaster prevention, disaster reduction, disaster preparedness in all levels
- Organizing search and rescue work
- Restore main infrastructures and rehabilitation



Organizational Structure





Disasters in Mongolia

Classification	Type	Disasters
Natural Disasters	Climatic hazardous phenomena	Snow and dust storm
		Drought and Dzud (heavy snow)
		Dust storm, Desertification
		Flood Thunderstorm
		Steppe and forest fire
	Geological threats	Earthquake and landslides
Biological threats	Biological threats	Spread of detrimental rodents
		Human and animal highly infectious diseases
Manmade Disasters	Technological accidents	Industrial and traffic accidents
		Leakage of chemical and radiological substances
		Explosion and building fire
	Social	Public disorder

Number of commonly occurred disasters in 2013

Disaster Type	Number
Technical accidents	191
Biological hazards	93
Climatic hazards	117
Earthquake	49

DAMAGE

- 404 man injured or dead
- 235,308 thousand livestock perished
- 4.6 billion MNT loss

COST / FINANCING

- NEMA – 978 million MNT
- National Emergency Commission – 13.9 billion MNT
- Provision for Emergency Management – 4.2 billion MNT

(Approx 15 million USD)



Hazardous Phenomena and Accidents 2009-2013

N	Year	2009	2010	2011	2012	2013	Average /year/	Total
1	Number of occurred hazardous phenomena and accidents	2468	2976	3548	4047	4467	3501	17506
2	Number of dead people	247	223	213	237	201	277	1389
3	Number of injured people	1402	2413	342	100	203	892	4460
4	Number of perished livestock	468570	9735527	165514	13017	235608	2123647	10618236
5	Estimated loss /mln MNT/	16294.0	534796.4	9619.0	94482.2	21961.4	135430	677153
6	Rescued							
	People	-	1699	2133	685	2032	1637	6549
	Property /mln MNT/	-	-	20588.7	25726.5	25599.1	23971.4	71914.3
7	Fund allocated by Government and State Reserve /mln MNT/	11830.0	35883.3	1233.1	758.1	15152.3	12971.3	64856.8
8	Mobilized							
	human	20221	20193	24300	33179	32614	26101	130507
	Techniques	4195	5398	5715	6371	7944	5924	29623



“EARTHQUAKE PREPAREDNESS AND RESPONSE” PROJECT

PROJECT:

- Management center
- 60 alarum
- 10 broadcasting system
- 4 telephone operator
- Place earthquake sensors in Deren Mogod Tsagaannuur soums
- Establish unified disaster management system

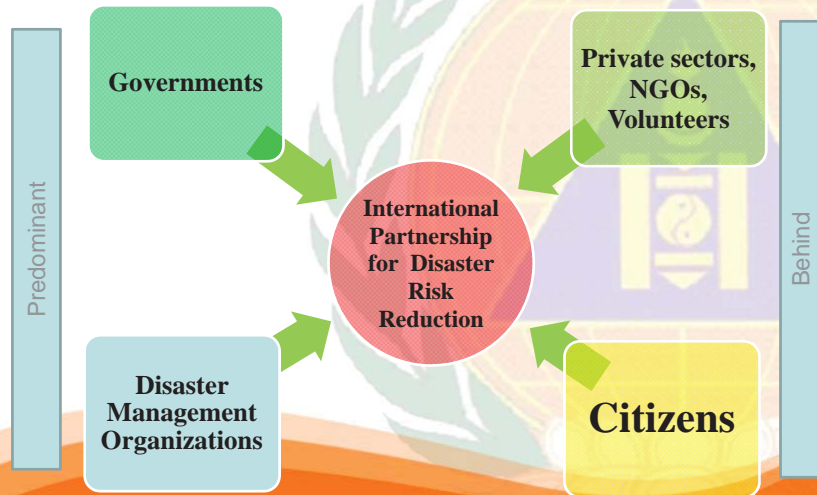
Alarum

Management center

Management center



INTERNATIONAL PARTNERSHIP FOR DISASTER RISK REDUCTION



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Challenging issues

- Responding to a complex disaster such as an 8+ earthquake will present challenging issues for NEMA and the Mongolian emergency response system that in all probability have not been experienced before. Communications, emergency response and information assets will be required to function under the most demanding of situations. Information will be very uncertain
- Lack of coordination between NEMA and stakeholders
- Language challenges (English, Russian) of the personnel
- Retrofitting of the National level earthquake disaster preparedness plan
- Strengthening of the capacity of public awareness raising activities
- Lack of legal environment on coordination of international humanitarian assistances
- Lack of scientific research capacity on disaster mitigation risk reduction



International Cooperation

- International development and humanitarian organizations
- Governmental and Non-Governmental organizations
- Bilateral cooperation between the organizations has a same duties
- UN specialized agencies
- International Civil Defence Organization ICDO
- Asian Disaster Reduction Center ADRC
- Asian Disaster Preparedness Center ADPC
- International Atomic Energy Agency IAEA
- International Fire Chiefs' Association of Asia IFCAA
- The International Association of Fire Chiefs
- NATO
- KOICA
- JICA
- TICA
- SDC

