



DISASTERS IN MONGOLIA



ADRC
Visiting Researcher Ms. Sh.Altanchimeg

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Emergency Service



Mongolia is located in Asia,
between China and Russia

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We rescue, protect and assist



- Territory: 1,564,619 sq. km
- Population : 2,500,000.
- Capital city: Ulaanbaatar
- Administrative subdivision: 21 aimags
- Extreme continental climate

We rescue, protect and assist



DISASTERS IN MONGOLIA



- Drought
- Dzud
- Powerful snow (dzud) and dust storms
- Flood
- Forest and steppe fires
- Earthquake
- Human and animal epidemic diseases
- Chemical and radioactive substance release
- Industrial and transport accidents

We rescue, protect and assist



Dzud



Dzud- a winter natural disaster

“**White dzud**”- deep snowfall and for livestock difficult to reach the grass

“**Iron dzud**”- an impenetrable ice-over preventing livestock from grazing

“**Black dzud**”- lack of precipitation

“**Multiple dzud**” - *dzud* variations preceded by drought

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Drought and Dzud

(1999 - 2003)

- Affected:

- 570 soums of 53 aimags

- 1 757 800 person

- 48,4 million of livestock

- Dead:

- 30 person

- 8,39 million of livestock

- The total damage – 372.9 billion MNT/324.3 million US\$

- Many households lost whole livestock of subsistence



Powerful snow and dust storms



Blizzards and snow storms - 20 times/year
- April, 1980 (eastern aimag)
continued 41-65 hours
died 150 people/0.6 million of livestock.



Dust storms – 20-30 days/year
-November, 1992
wind speed - 40m/sec
broke 500 gers
destroyed 51,000 sq.km pastures

There were 93 severe snow and dust storms
for 1995-2005

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Flood



Causes:

- snowmelt (spring time)
- heavy summer rains

101 floods and 354 cases of accidents in river and
lakes for 10 years

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2005

Torrential rain and hail in Guchin-Us, Uvorkhangai, claimed lives of 4 children and 1021 head of livestock

10 suffered and 4 lost their lives and 949 head of livestock died in 9 thunderstorms caused damage estimated to 41 million MNT



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Fires

(1995 – 2005)

Steppe and forest fire -1952

Damage - MNT12231.2 million.

Building fires – 21393

Damage - 1878 gers and houses, cars and techniques and fences for livestock



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Earthquake

- 80% of territory - seismic active
 - 12 soums - prone to earthquake of 9M
 - 1905, “Bulnai range” – earthquake of 11M
 - 1967, Mogod, Bulgan - earthquake of 8-9M
- 1995-2005
- 50 cases of earthquake or 4-5 cases in every year

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We rescue, protect and assist



Outbreaks of infectious diseases

(1999 – 2005)



67 outbreaks of animal infectious diseases:

- foot and mouth disease
- anthrax
- madness and etc.



The total loss - MNT 3362.6 million.

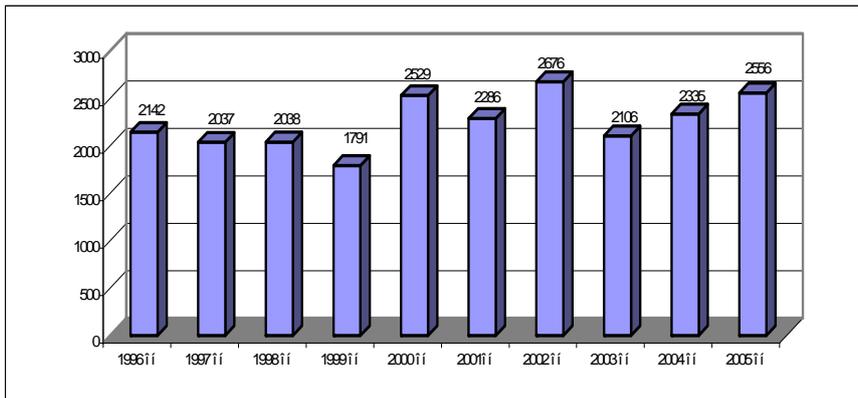


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We rescue, protect and assist



Hazardous Phenomena and Disasters (1995-2005)

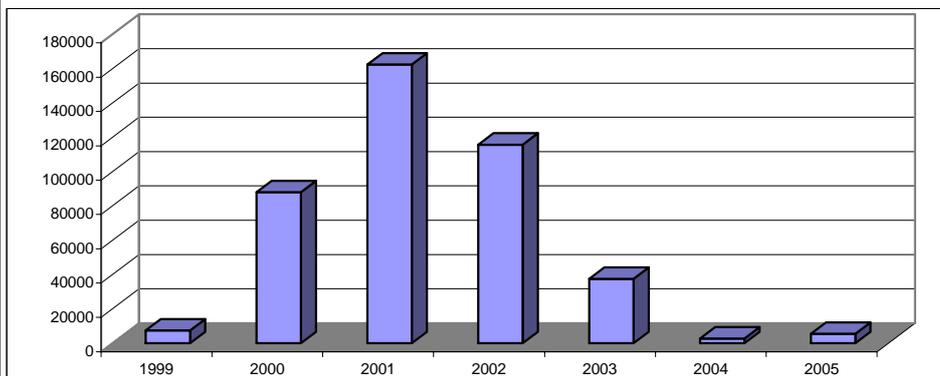


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We rescue, protect and assist



Losses Caused by Disasters (1999-2005) (million MNT)

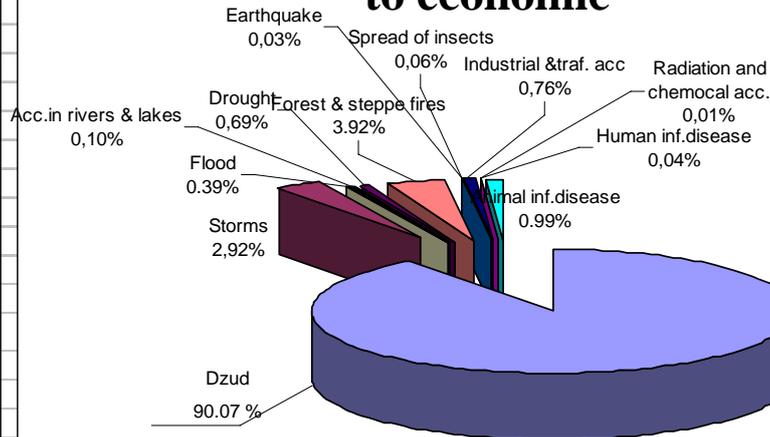


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We rescue, protect and assist



Types of disasters and their damage to economic



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Emergency Management System of Mongolia

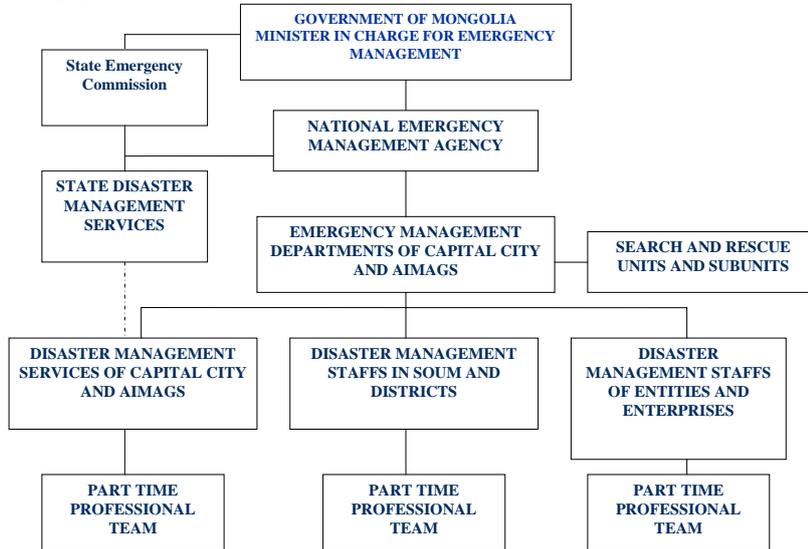
- The Law on Disaster Protection - 20 June 2003
- Government resolution - 7 January 2004
-National Emergency Management Agency (NEMA)

State Board for Civil Defence
Fire Fighting Department
State Reserve Agency

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EMERGENCY MANAGEMENT STRUCTURE



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NEMA is responsible for implementation of the State disaster protection policy and legislation, as well as for the professional organization of nation wide activities.

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- Emergency management department and divisions in administrative units
- Rescue specialized unit, sub-units, reserve branches and fire units in the capital city and aimags
- Over 4 000 staffs
- About 40 000 assigned people
- State Emergency Commission
- 11 disaster protection state services

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We rescue, protect and assist



Challenges

- Weak early warning system
- Supply by required rescue techniques and equipments on 5-15%
- Supply by fire engines and equipments on 57%
- Outdated radiological and chemical research equipments

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We rescue, protect and assist



Solving problems

- Government of Mongolia
- UNDP and Luxemburg Government funded project “Strengthening Disaster Mitigation and Management System in Mongolia” (since 2002)
- Joint program and projects

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International Cooperation

- International Civil Defence Organization (2002)
- The Framework Convention on Civil Defence Assistance (2004)
- UN OCHA, INSARAG
- UNDP
- ADRC
- ADPC
- Treaty of mutual cooperation with Government of Russian Federation on “the cooperation in the field of prevention of technological and natural disasters and elimination of their consequences” (1995)
- Cooperation with other countries in the field of disaster management

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- The mission of the United Nations Disaster Assessment and Coordination (UNDAC) team on assessment of the national disaster response capacity of Mongolia (June 27 - July 9 , 2004)
- UNDAC Mission Review (October 2-6, 2005)



Thank you for your attention!