



State of desertification, sand storm monitoring and management in Mongolia

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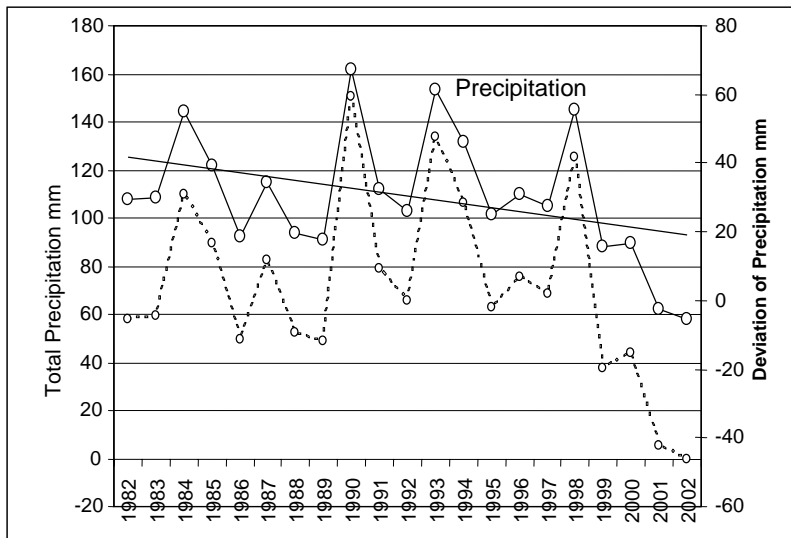
Prepared by J.Choikhand

Contemporary state of desertification process in Mongolia

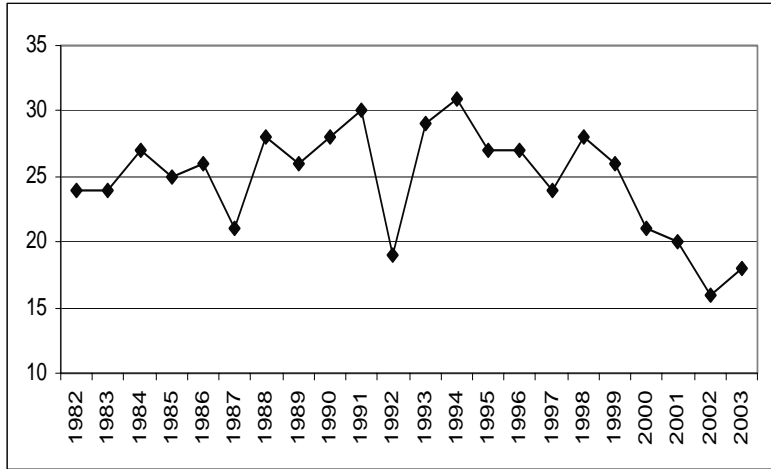
Frequency of Drought



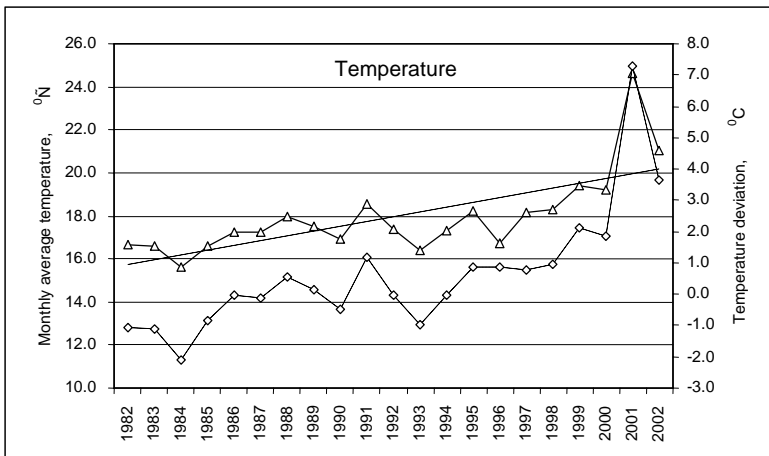
Distribution of Precipitation



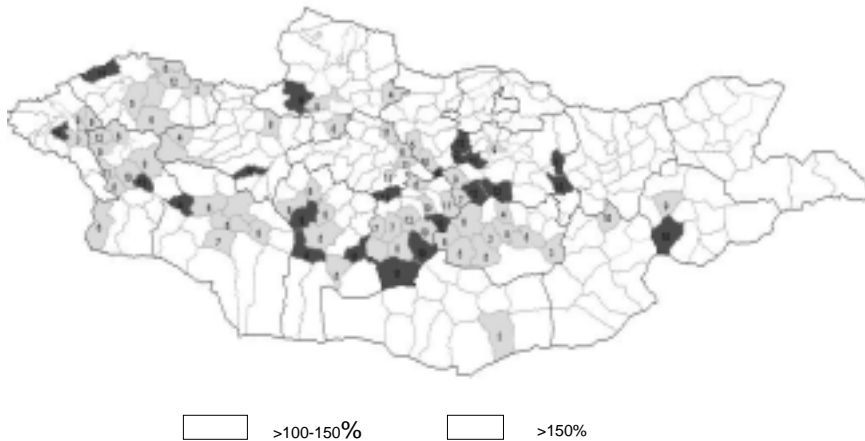
Transformation of grassland



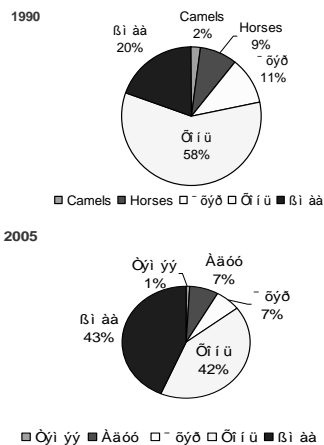
Climate change/ $^{\circ}\tilde{N}$



Pastoral efficiency



Growth in number of domestic animals



- Since 1990 the growth in number of domestic animals is dramatically increased as over in 30 millions. Because of that reason land degradation on pasture and its efficiency which is getting worse in these days.

Land quality degradation

Land disruption and deterioration	1990-1999		2000-2005	
	million. hector	%	million. hector	%
Water erosion	21.8	14.0	21.8	14.0
Wind ravel	7.8	5.0	12.5	8.0
Breakage of wind and water	91.6	58.6	93.8	60.0
Other	2.0	1.2	3.0	1.9

Causes and impacts of desertification

- Climate change and drought
- Land degradation, inappropriate use of pasture
- Shortage of water resource and scarcity of forestry
- Intensity of overloaded mining industry



Implementation of the United Nations Convention on combat Desertification in those countries experiencing serious drought and /or desertification particularly in Africa Paris 1973

- Primarily, the government of Mongolia has been adopted the National Program for combating Desertification by its 169th decree in July, 1996.
- The government of Mongolia has renewed the National Program for combating Desertification in 2003 by the 141th decree.

Implementation of the National Program

First phase (2003-2007):

- Evaluating current situation of desertification
- Improving legal framework to eliminate desertification process
- Building national capacity for desertification
- Preparing for the implementation and elaboration of aggregated government policies on desertification



Second phase (2008-2011):

- Monitoring the process of desertification
- Mitigating the national capacity
- Implementing the policies to recover and exhilarate degraded land and areas, for reducing their process of desertification



Experience and Success

- *Gathered information on situation of decertification from the current research*
- *Accomplished level of legal reconcilment and comparative analysis*
- *Enhanced initiatives of provincial government and local administration*
- *Established monitoring system and its regular function*

Weakness and challenges

- Weak capacity to decrease the impact of desertification
- Poor accommodation to co-operate and interrelate the sectors and branches of its implementing organizations
- Inadequate knowledge and awareness in public regarding the impact of desertification

Priorities

- Enhance the community-based capacity for prevention and precaution against the desertification
- Implement the sub-projects or programs for impairing the desertification process
- Focus on promoting the economic and social initiatives and supporting better living standard for local community in the country-side

Demand on capacity

- Extending the monitoring network
- Promoting research and studies of desertification
- Accelerating public awareness, understanding and comprehension
- Aggrandizing the size of commercials and trainings

Possibilities

- Experience of relative work and monitoring on desertification
- Co-operation and inter-connections of professional organs and specialized agencies within the framework of environmental governance
- Tradition of Mongolia to manage pastoral livestock on its own land
- International cooperation and bring the interest and involvement of the northeast Asian countries and other world nations to reduce the desertification

Interrelations within the framework of international conventions and national legal system

- Exchange information between the governments and its organs
- Collaborate for conducting research and survey and collecting information as regards with the DSS
- Integrating impact assessments as well as constructing combined mechanism between the international conventions and national legal system
- Creating complete system and structure to combat against the desertification with the support of

Thank you for your attention