



INTRODUCTION

Ulaanbaatar is capital of Mongolia. Late because people are moving to the city for them life. I avoid environmental problems due to urban sprawl areas /fence and house/ during UB city is growing. TI damage areas. Floods are the most frequent natura work will help the design, piloting and establishing o fully functional early warning system for Ulaanbaata risks of losses in lives and in the economic, social, and and the participation of resilient communities.

I would like to show you where is dangerous area in UB city. How Geo-Information is very usefully and helps to monitor urban area, one's of the aim is to detect emergency zone for probably disaster in UB city. Also how Geo-information application is useful for emergency management. Therefore, I did emergency zone maps of Ulaanbaatar city including Flood risk zone, chemical risk zone, radical accident, fire risk zone and earthquake risk using by time series data derived from SAR data and GIS layers (LULC, Canal, Road, and Bridge) derived from high resolution Worldview image, ALOS PALSAR and disaster information table from NEMA. Software are used the ERDAS, ArcGIS, Google hybrid map downloader. People can see where probably dangerous area and disaster is will be happen how many people and how much area will be affect by disaster from result of the maps.

A map of Mongolia with its capital, Ulaanbaatar, marked with a red star. Other labeled cities include Olgii, Ulaangom, Uys, Selengi, Mörön, Erdenei, Darhan, Choybalcan, Altay, Tsatsralag, Bayanhongor, and Chuya. The map also shows the Altai Mountains, Gobi Desert, and borders with Russia and China. Rivers like Selengi and Tuul are also indicated.



Hazardous Phenomena and Accidents in Mongolia

Classification	Type	Disasters
Natural disasters	Climatic Hazardous Phenomena	Snow storm
		Severe snowfall
		Dzud
		Dust storm
		Flood
		Steppe and forest fire
		Desertification
		Thunderstorm
		Drought
	Geological threats	Earthquake
		Landslides
Man made disasters	Technological accidents	Spread of detrimental rodents
		Human infectious diseases
		Livestock and animal infectious diseases
		Industrial accidents
		Traffic accidents
		Leakage of chemical and radiological substances
		Explosion
		Building fire
	Social	Public disorder
		Terrorist attack



Web based Geo information for disaster management



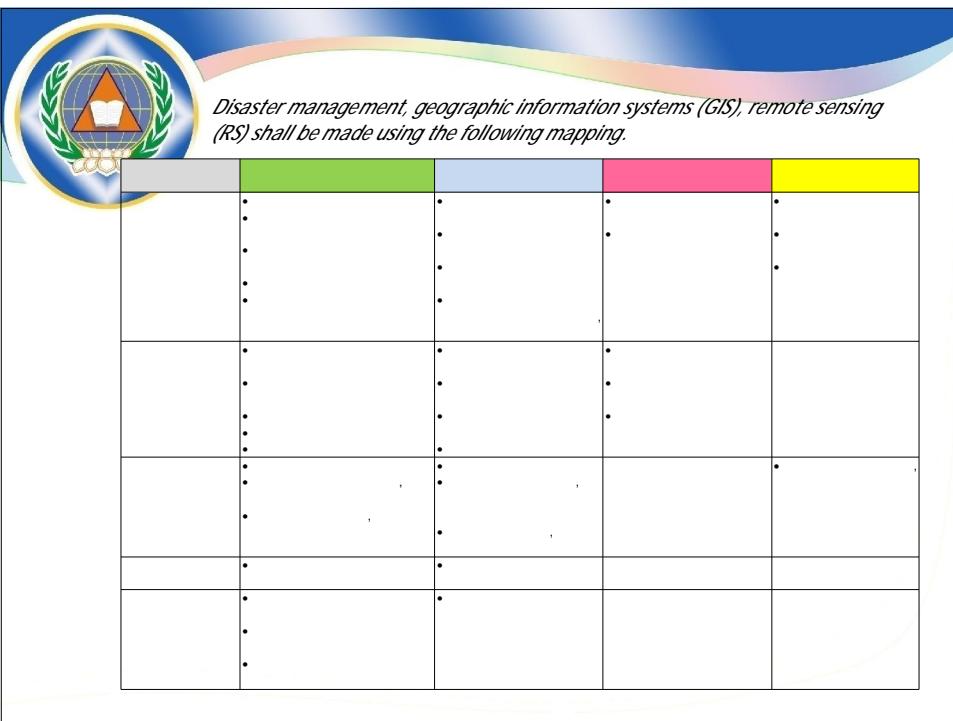

Rationale

- ✓ Planning and management of disaster process requires data as a support to take decision.
- ✓ Remote sensing and GIS application is beginning in emergency agency.
- ✓ If the data is on paper or even in computers in tabular format, it can't be as useful as data represented on maps because this can't enable us to create various thematic analyses ad hoc.

It is said that –A Picture is worth a Thousand Words...

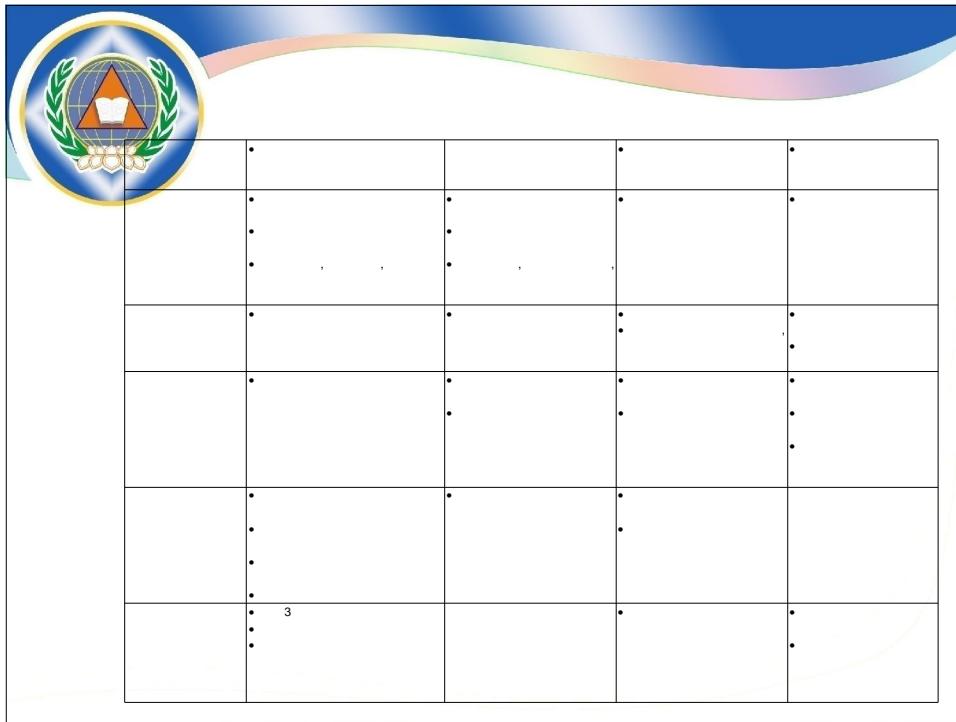
Objective

- ✓ To create emergency zone maps using conventional and remote sensing data
- ✓ To create the emergency maps based on multi-temporal emergency maps integrated with other GIS thematic layers
- ✓ To create an emergency database for disaster situation and disaster research work.



Disaster management, geographic information systems (GIS), remote sensing (RS) shall be made using the following mapping.

	Green	Blue	Pink	Yellow
	• • • •	• • • •	• • • •	• • • •
	• • • •	• • • •	• • • •	•
	• • • •	• • • •		
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Mongolian in place to detect forest fire 2 times per day using MODIS satellite

DATA CREATION AND COLLECTION

<http://www.icc.mn/index.php?content=56>

Байгаль орчны мэдээллийн төв

НҮҮР БИДНИЙ ТУХАЙ ҮЙЛ АЖИЛГАЛЫНЫ МЭДЭЭЛЭЛ ХЭВЭЛЗН НИЙТӨЗЛ ХОЛБООС ХОВДООС БАРИХ

Хиймэл дагуулын мэдээгээр илрүүлсэн ой, хэрэин түймэр

Хиймэл дагуулын мэдээгээр илрүүлсэн ой, хэрэин түймэр (2014.04.29 13:37)



МАНАЙ БҮТЭЭГДЭХХҮҮН ҮЛЧИЛЛИЙН ЭС

БАЙГАЛЬ ОРЧНЫ МЭДЭЭЛЛИЙН САН



ХИЙМЭЛ ДАГУУЛЫН БҮТЭЭГДХХҮН

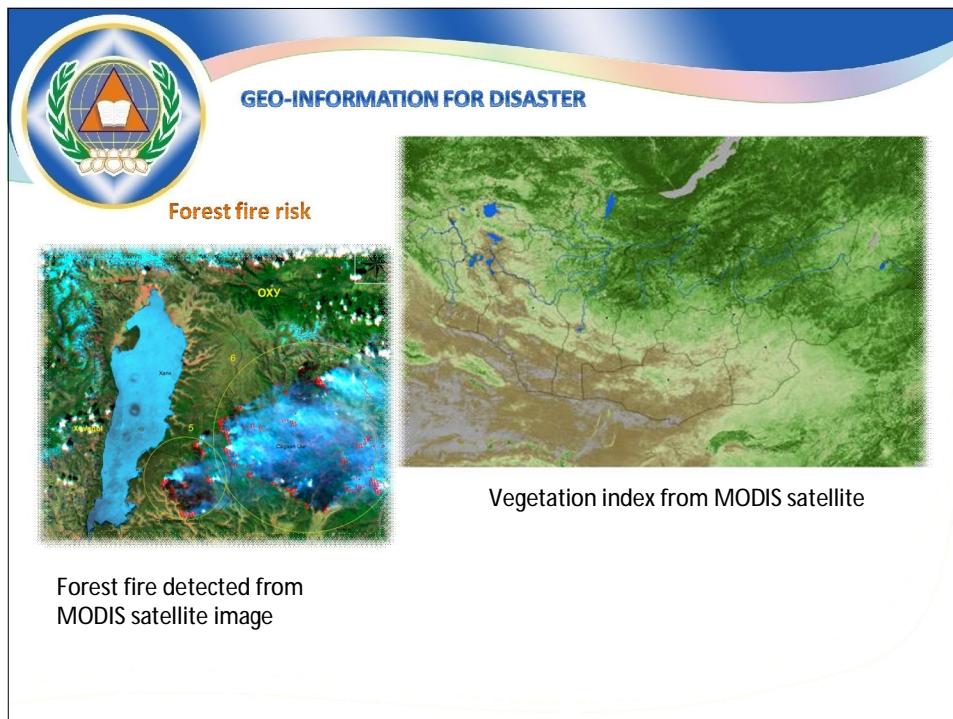
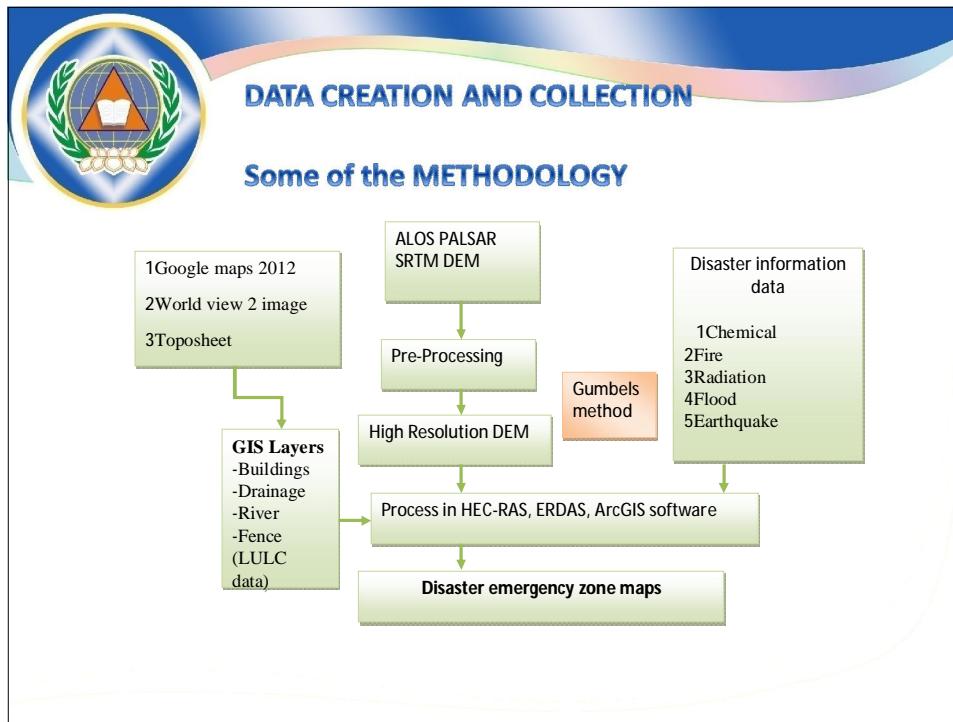


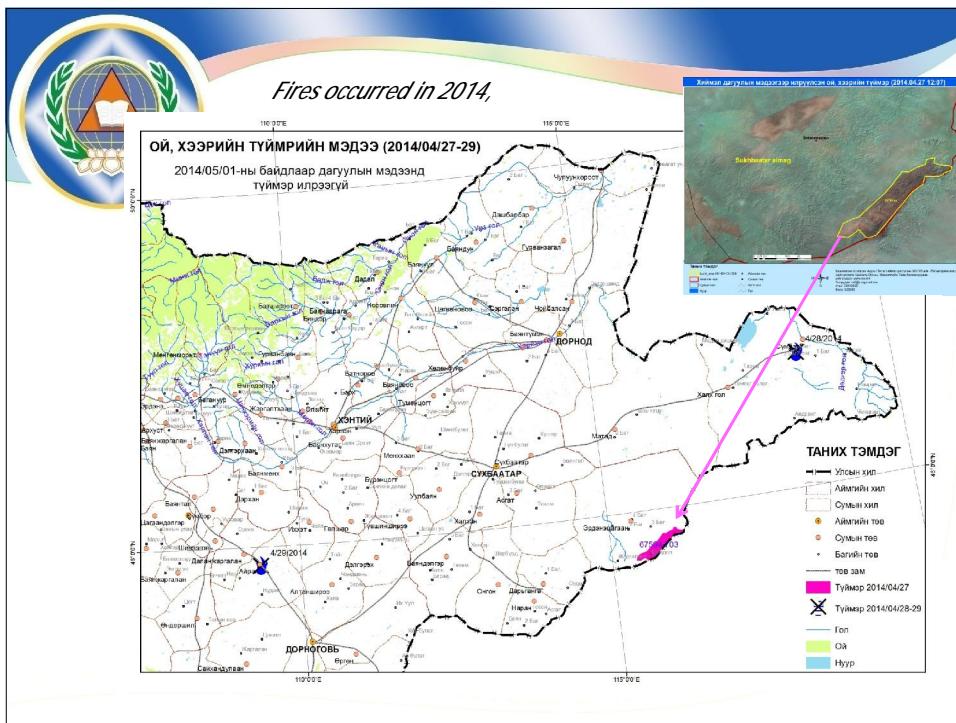
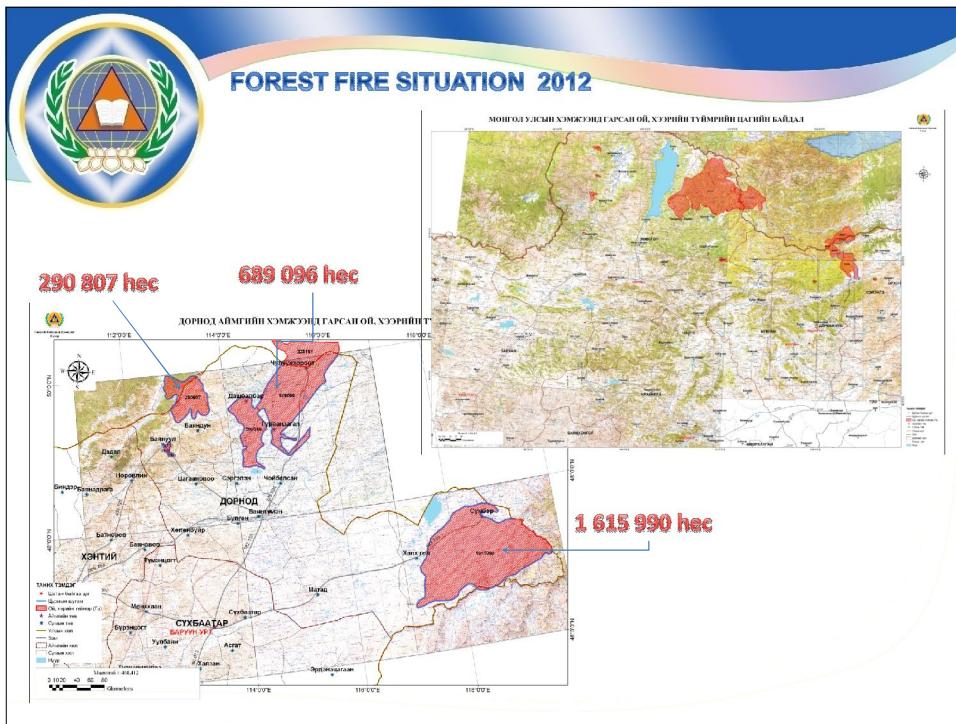
ГАМШГИН МЭДЭЭЛЛИЙН СИСТЕМ

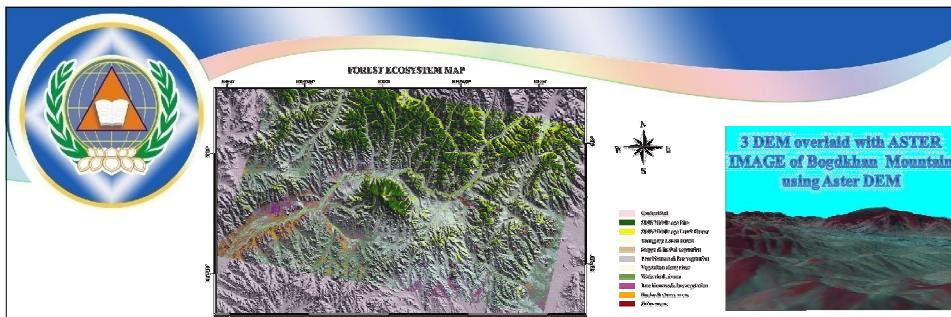


Influx due to the clouds of MODIS satellite data from forest fire of fires 2 times a day on the news hour, into a file in the database using ArcGIS software from the website and include hours of television to present to management.

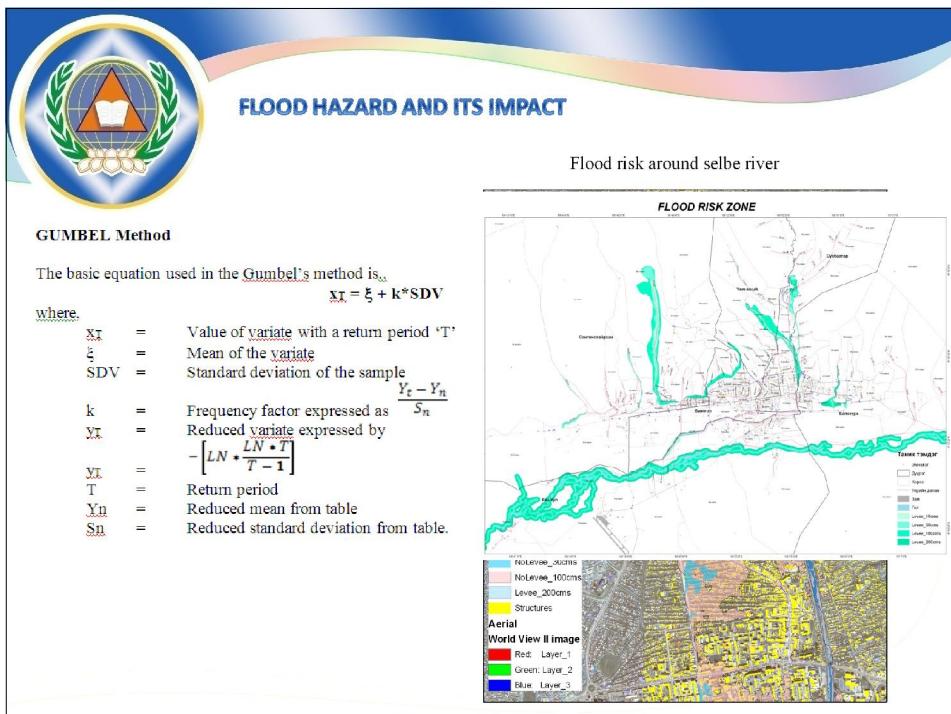
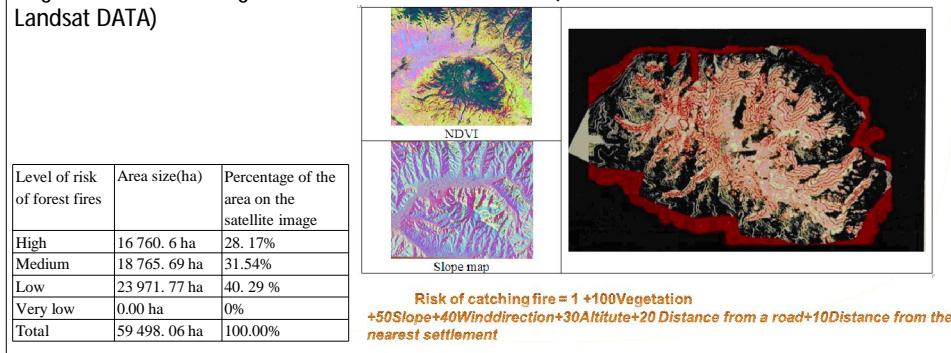
<<Буцах

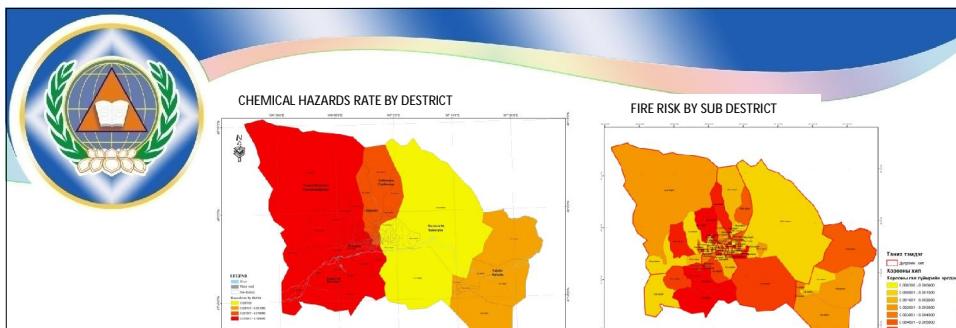
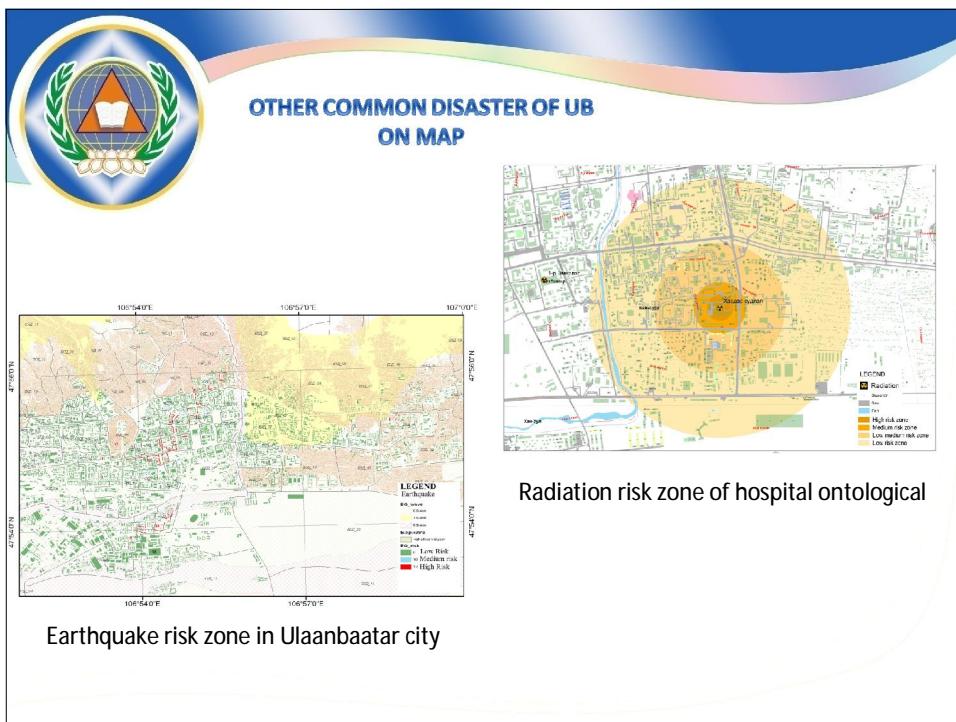






Vegetation index of Bogd khan mountain, Ulaanbaatar (the result is classification of ASTER and Landsat DATA)





预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_5379

