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Country Profile

Kabul Uni.Afghanistan

 Afghanistan is a landlocked country of 647,500 sq. km.

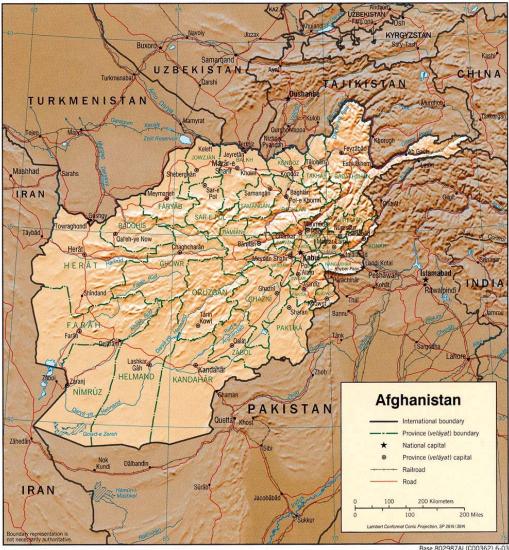
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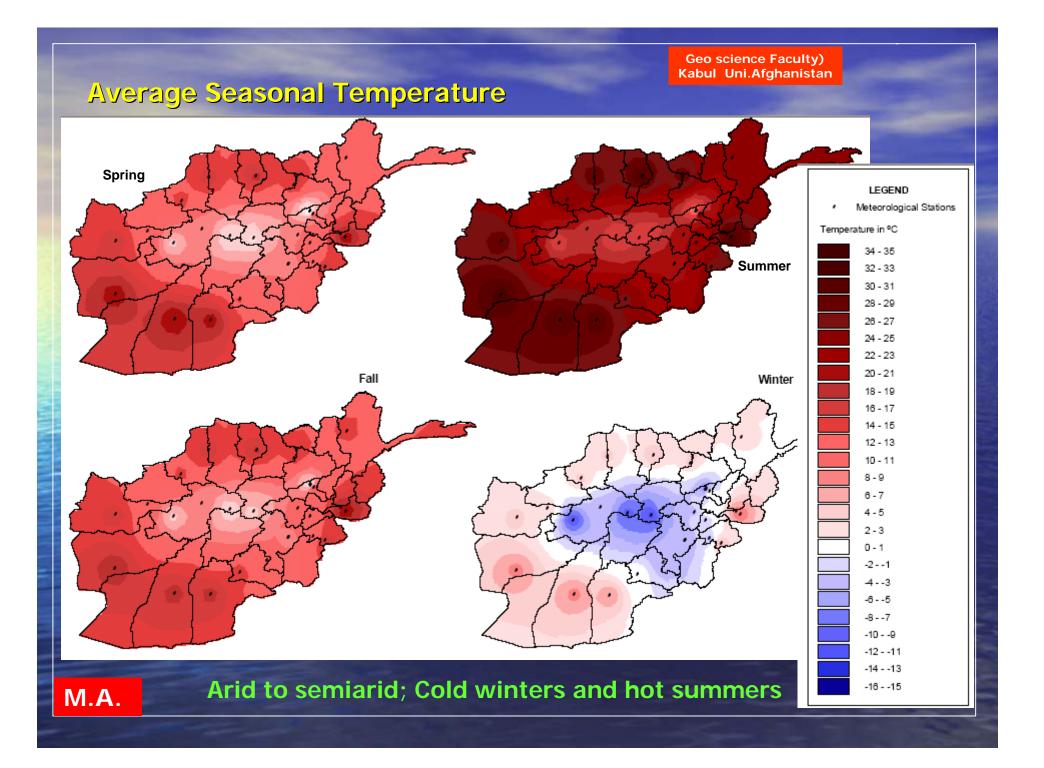


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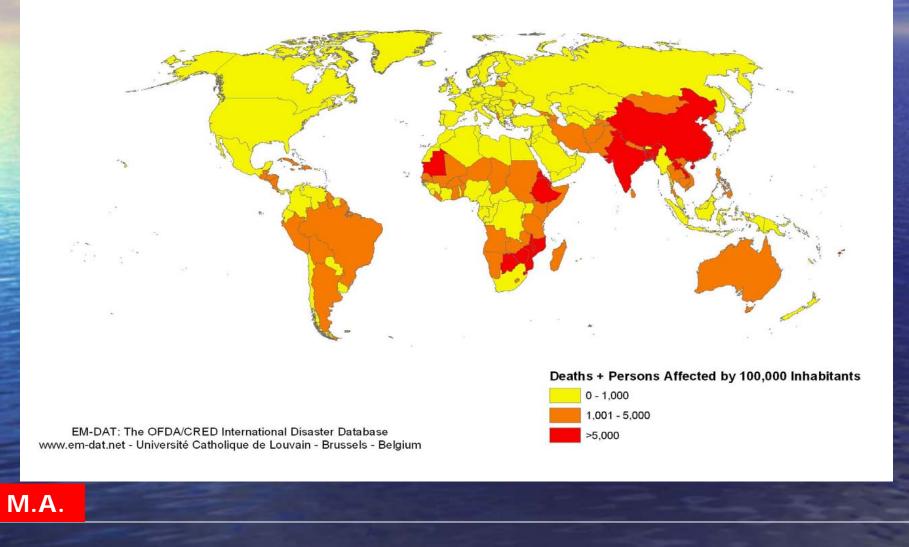
Country Profile

• The geography of Afghanistan is dominated by mountains. The Hindu Kush sweeps down from the north east through the central regions of the country and flattens out into the deserts of the southwest plateau. On either side of these majestic mountains, to the north, and to





Total Number of Deaths and of People Affected by Natural Disasters by 100,000 Inhabitants: 1974-2003



Geo science Faculty) Kabul Uni.Afghanistan Total Number of Natural Disaster Events by Country: 1974-2003 **Total Number of Disasters** 0 - 30 31 - 120 121 - 506 EM-DAT: The OFDA/CRED International Disaster Database www.em-dat.net - Université Catholique de Louvain - Brussels - Belgium **M.A**.

Types of Hazards in Afghanistan

Natural

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Human Induced

Types of Hazards in Afghanistan

Natural

- Earthquakes
- Flooding
- Drought
- Landslides
- Avalanches
- Extreme winters

Human Induced

- Landmines
- Explosions
- **Fires**
- Air/Road accidents

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	#	Province	Population	Earthquake	Drought	Flood	Landslide	Avalanche	science Faculty) Uni.Afghanistan
	1	Kabul	2,974,808	М	L	L	L	М	
	2	Kapisa	360,292	М	М	L	L	н	
	3	Parwan	762,839	М	М	L	L	н	Natural Hazards
	4	Logar	291,880	М	М	L	М	М	
	5	Wardak	413,596	L	М	М	L	Н	Occurrences by
	6	Bamian	340,005	М	н	М	L	н	Provinces
	7	Ghazni	1,865,762	L	М	н		н	(estimated)
	8	Ghor	486,108	L	н	н	L	L	(estimated)
	9	Paktika	352,629	L	М	М	L	L	
	10	Khost	70,246	L	н	М	L	L	
	11	Nuristan	111,898	L	L	L	L	М	
	12	Laghman	308,260	М	М	М	L	M	
	13	Ningarhar	1,086,593	М	М	М	L	L L	And the second s
	14	Kunar	321,662	М	М	М	L L	М	Out of 34 provinces,
	15	Badakhshan	593,148	н	М	н	н	н	30 are prone to
	16	Baghlan	758,242	н	М	М	н	н	
	17	Kunduz	815,107	М	М	н	М	М	different hazards
-	18	Takhar	697,601	н	М	М	н	М	
	19	Balkh	935,742	М	н	н	М	М	legend.
	20	Faryab	699,897	M	н	н	L	М	Legend: H: High
	21	Jawzjan	508,660	М	н	н	L	М	H: HIGN
-	22	Samangan	304,073	н	М	н	н	М	M: Medium
	23	Sar-I-Pul	467,763	М	н	М	L_11	L.	L: Low
	24	Helmand	745,616	М	н	М	L	М	
-	25	Kandahar	826,870	L	н	М	L		
	26	Nimroz	149,339	L	н	М	L		
-	27	Uruzgan	639,115	L	н	н	L	н	
	28	Zabul	282,170	L	н	М	L	н	Source: UNAMA
	29	Badghis	758,242	L	н	М	L	М	UN Assistance Mission for Afghanistan
M.A .	30	Farah	338,276	М	н	М	L	М	

Disasters & their impacts 1983-2002

Type of event	No of events	Killed	Affected
Earthquakes	19	9,312	370,984
Floods	19	9,151	982,165
Droughts	5		2,003,174
Cold waves	3	224	200
Avalanches/Landslides	7	894	174
Epidemic	2	23	4,481

Source; USAID-Cred database- 2003

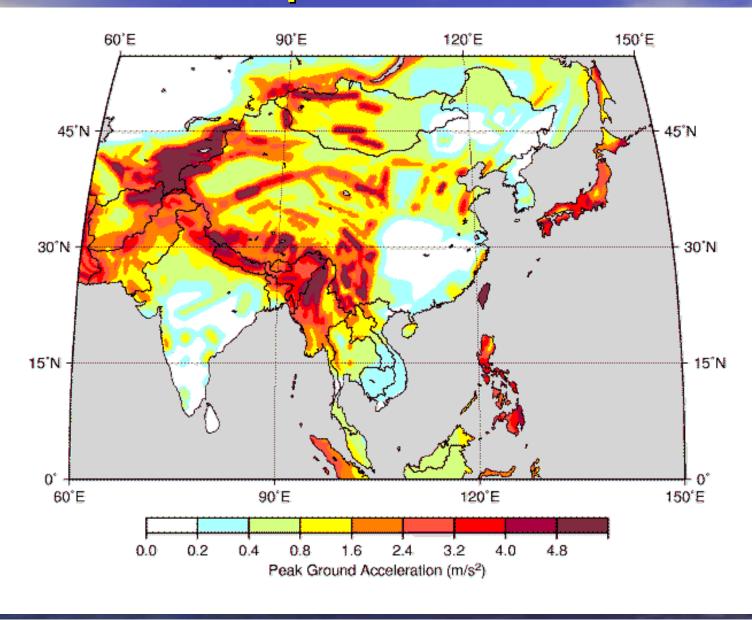
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1. Earthquakes

 Earthquakes are relatively frequent, being more frequent in the north and northeast part. EQ of magnitude 4 occur nearly every week or two. Mostly deep seated having focal depth of more than 33 km.

Asia Seismic Map

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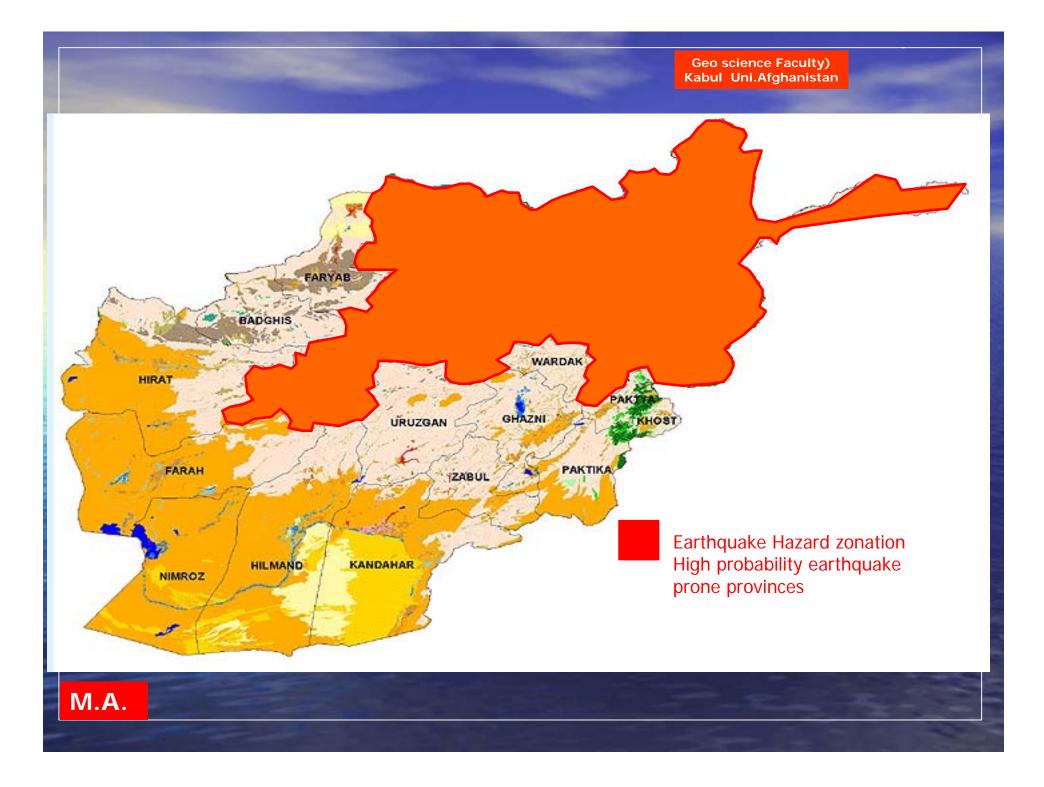


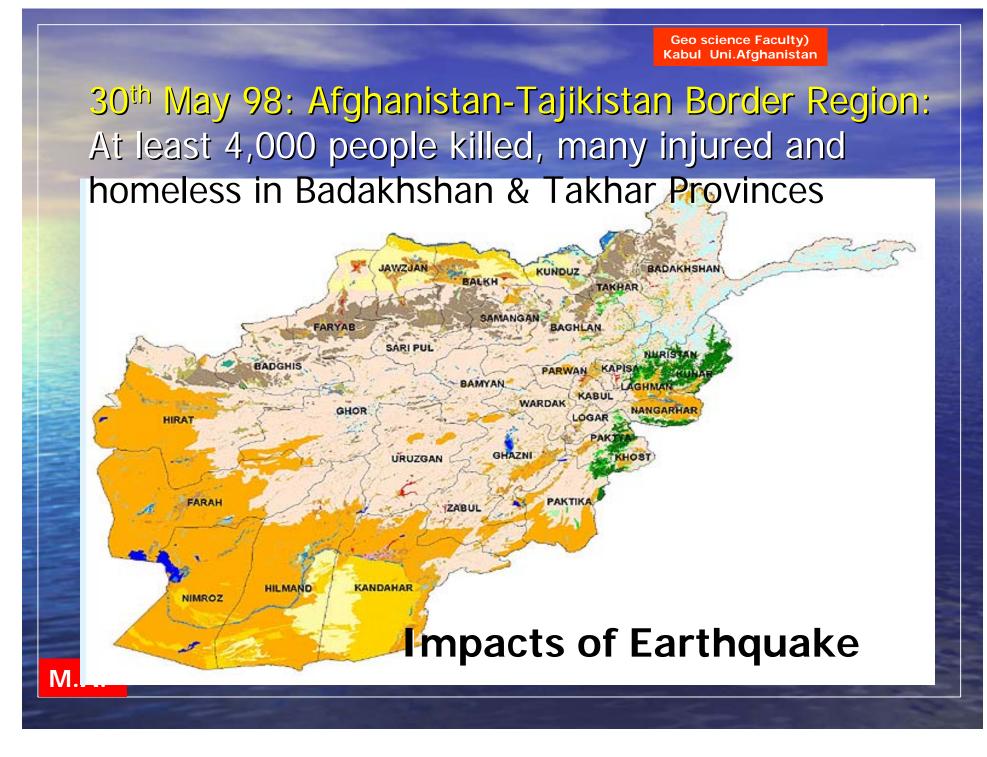
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Earthquakes

 According to Global Seismic Hazard Assessment Programme (GSHAP):

North eastern part is in high probability of damage zones which comprises of 16 provinces including Badakhshan, Takhar, Kunduz, Balkh, Jowzjan, Samangan, Sar-e-pol, Bamian, Baghlan, Parvan, Kabul, Kapisa, Konar, Laghman, Nangarhar and lowgar provinces





Impacts of Earthquake

- 25th March 2002 Hindu Kush Region: 14,000 injured, 1,500 houses destroyed in the Nahrin area. Approximately 20,000 people homeless.
- March 2002 Baghlan Province:

 1,200 people died, damages thousands of houses, caused severe landsliding in the area.

 February 1998 Rostaq, Baghlan Province:

 2,323 people died, 818 injured & 8,094 houses destroyed

Disaster Risk for Earthquake

	Average no of events per year	No of people killed per year	Average physical exposure per year	Relative vulnearbility
ALCONTRACTOR OF	event/ year	killed/year	people/ year	killed/million exposed
State State				
	0.81	399.95	1,749,097	228.1

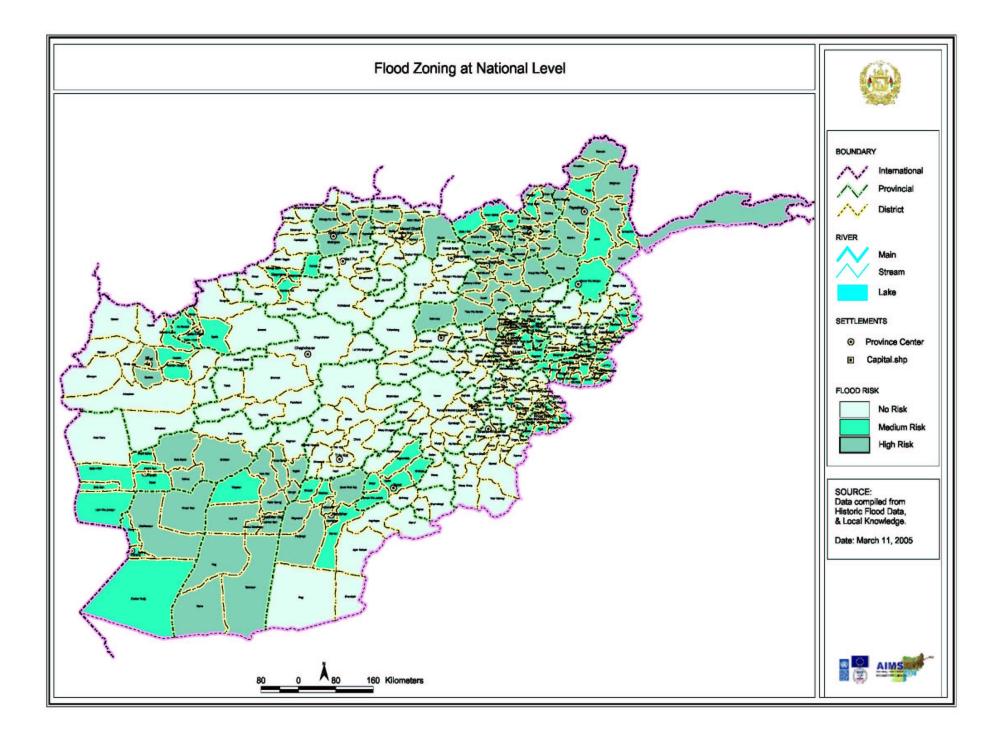
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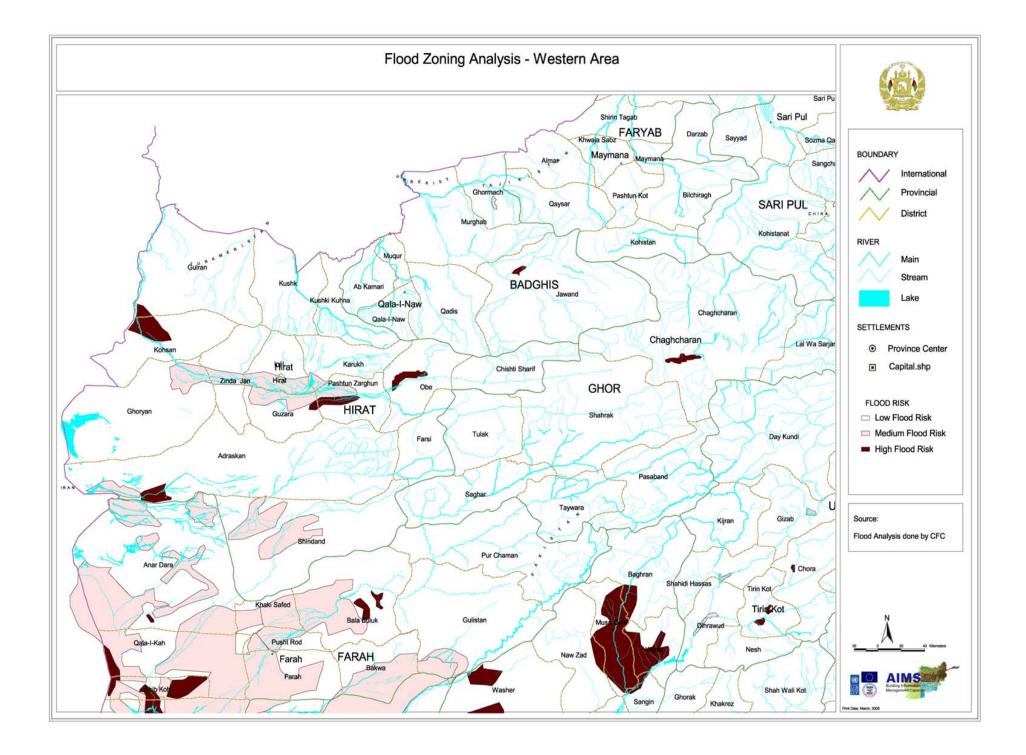
 2. Landslides and Avalanches
 Landslides oftenly triggered by Earthquakes and flash flooding in Afghanistan.

Since 1954, a total of 799 people have been killed, 64 injured, 110 made homeless, & 400 affected, in which only 354 people died due to severe landsliding on 27-Mar 95.

3. Floods

- Amu Darya is the principal river responsible for flooding in the flood plains on both sides of the river.
- Originate from high mountains where snow melt during spring and early summer causing flooding.
- Floods are common in the spring when snow begins to melt and rainfall is heavy





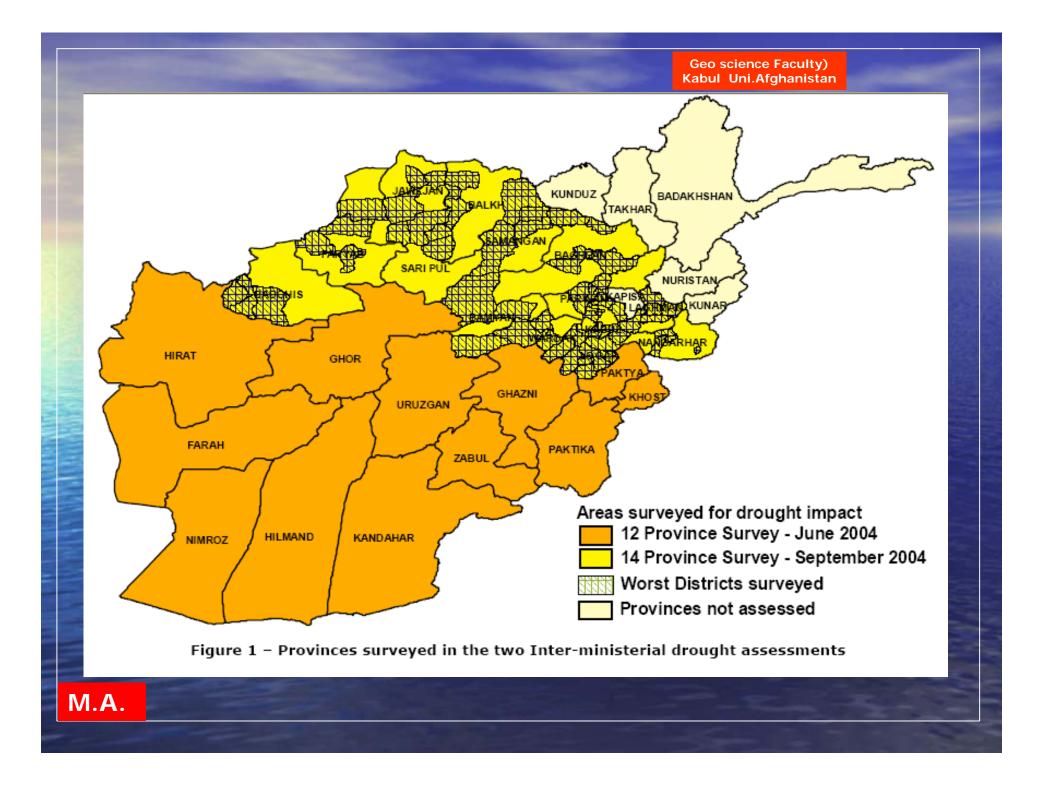
4. Drought According to ADB study;

- Localized droughts in parts of the country have a return period of 3-5 years.
- Droughts covering large areas having 9-11 years return periods.
- At National level, Afghanistan has 20-30 years return period.
- The recent drought, however, is unusual and perhaps the worst in the country's history.

Drought

Most Affected: Balkh, Jawzjan, Badghis, Logar, Wardak
Affected: Faryab, Saripul, Nangarhar, Parwan
Least Affected: Kabul, Samangan,

Baghlan, Laghman, Bamyan (food only)



Impacts on the communities Reasons for Displacement of the communities

HH displaced due to Total reported No. HH displaced due to HH displaced due to Province of HH displaced lack of drinking water lack irrigation water food shortages Badghis 840 840 0 0 Baghlan 0 0 0 0 Balkh 2,600 2,600 0 0 1.036 Bamyan 1.036 0 0 Faryab 0 610 610 0 Jawzjan 1.187 1.187 0 0 0 Kabul 685 685 0 250 250 0 Laghman 0 2,380 280 1,600 500 Logar 500 Nangarhar 2,910 1,500 910 3,778 3,620 50 100 Parwan Samangan 160 160 0 0 500 500 0 0 Saripul 357 115 209 33 Wardak 17,293 8,671 6,413 2,201 Total

Table 1: Displacement as reported by district level key informants

Impacts on the communities Reasons for Displacement of the communities

Province	Communities buying drinking water (%)	Drop in shallow well depths (m)
Badghis	38	5.5
Baghlan	19	2.0
Balkh	0	2.6
Bamyan	0	2.4
Faryab	19	5.6
Jawzjan	11	5.0
Kabul	4	2.4
Laghman	6	2.7
Logar	29	9.0
Nangarhar	28	5.1
Parwan	14	2.5
Samangan	47	2.8
Saripul	0	1.7
Wardak	4	4.3
Average	15	4.3

Community water source information by Province

Table 3: Livelihood shocks due to water shortages (* = no data)

Province	Communities with high loss to grazing land productivity (%)	Communities with greater than 50% crop loss	Average reduction in all irrigated water sources by community (%)	Communities with inactive main source of irrigation water (%)
Badghis	100	85	*	*
Baghlan	100	100	89	87
Balkh	100	92	21	16
Bamyan	100	70	41	27
Faryab	96	79	30	28
Jawzjan	94	94	12	25
Kabul	93	100	50	0
Laghman	90	75	25	16
Logar	89	100	28	14
Nangarhar	86	33	16	30
Parwan	73	94	33	33
Samangan	45	75	27	33
Saripul	25	31	19	2
Wardak	6	11	25	25
Average (%)	79	75	33	30

Source

Survey designed, implemented and analysed (with support from FEWS-NET, WFP VAM and FAO) by Ministry of Irrigation, Water Resources & Environment Ministry of Rural Rehabilitation & Development Ministry of Agriculture & Animal Husbandry Ministry of Mines OCTOBER 2004, KABUL

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Findings of the study carried out from the 281 communities adversely affected by the drought Displacement

- An estimated 17,293 households were displaced in the last three months across the 70 districts surveyed.
- Lack of drinking water caused 50% of the displacement, 37% was due to lack of irrigation water and 13% was due to food shortages.
 - Highest numbers of displaced households come from downstream irrigated areas.

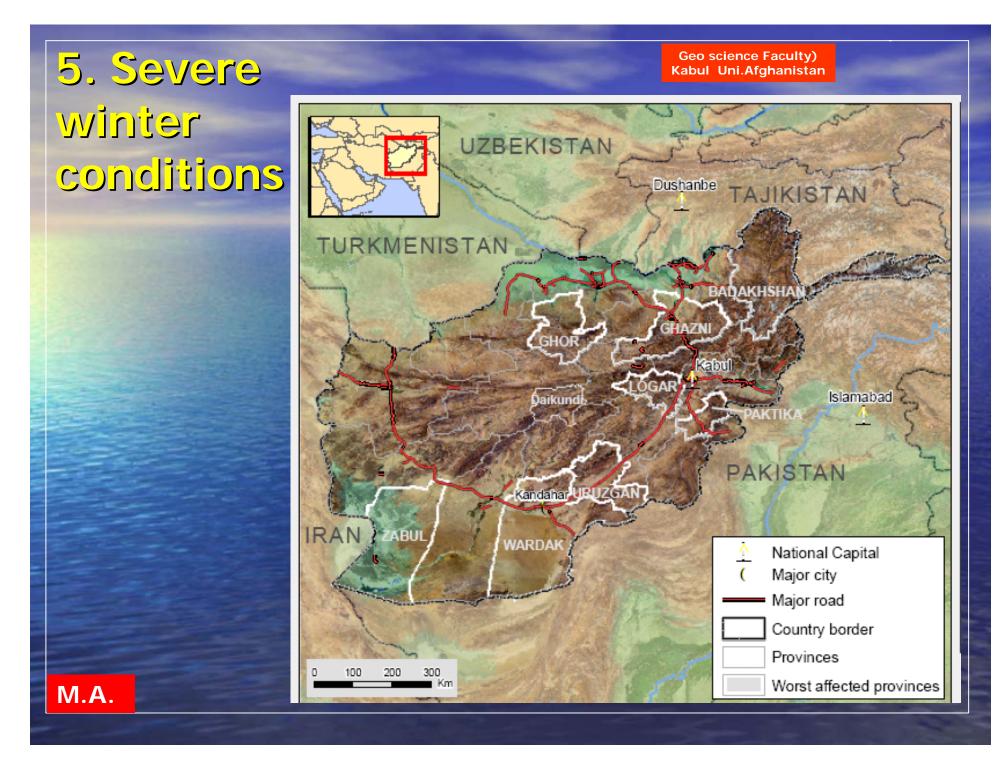
Displacement due to Drought **Livelihood Shocks Due to Water Reduction** • 75% of communities reported crop losses Nearly 64% of communities reliant on irrigation for crop production reported a 75% decrease in the area cultivated compared to last year. 80% of communities reported high loss of grazing land productivity since the previous year

Displacement due to Drought

Household Shocks

 Lack of drinking water caused increased diarrhoeal diseases in 50% of communities surveyed.

 On average 40% of households in communities surveyed sold one or more productive assets to buy food and/or water.



5. Severe winter conditions Severe winter weather affected much of the country. At least 100 deaths reported due to extreme cold temperature and cold related illness. Heavy snow blocked district roads and prevented movement of food provoking shortages and steep price rises. Measles epidemic confirmed in Ghor provinces. 100 cases reported amongst children, with 8 deaths

Main vulnerable Communities Critically poor & livelihood insecure households: An estimated 6 million people (25% of the national population) are critically poor. Critically poor urban households: An estimated 3.35 million people live in the major cities. Three categories of urban poor families were defined: Those living in open spaces; Those living in abandoned or derelict houses; and Those living in houses with no heating arrangement. Main vulnerable Communities Disabled People: There are an estimated 0.8m-1.0m disabled people. The high number is due to malnutrition, poor maternal health, inadequate access to health care, and mine accidents.

Main vulnerable Communities The Kuchis:

The Kuchi (Nomad) population estimated to be 1.3million, is very vulnerable because their assets have been depleted by the drought. Their vulnerability is highest in the South and Southwest, where 75% & 100% of households respectively are affected.

Nain vulnerable Communities • Cold Season (Winter) vulnerable households: 2 million or more people are considered as especially vulnerable during the winter due to isolation (accessibility problems for rural areas). The winter season creates a potential disaster situation for vulnerable groups.

Nain vulnerable Communities

Returnees:

It is estimated that 1.7 million Afghan refugees returned to their homes during 2002. At least 3 million people remain uprooted and over 1 million are expected to return during 2003. Livelihood opportunities for rural returnees may be limited. Nain vulnerable Communities

 Internally displaced people: There are 1.3 million IDPs, and an estimated 400,000 internally displaced people were expected to return to their homes. With few income earning opportunities available, the number of highly vulnerable people is very high.

THANK YOU VERY MUCH

