



Present situation of minerals sector of Mongolia



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MONGOLIA

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Fig.1 The map showing the area of Atlas of Geological Maps of Central Asia and Adjacent Areas



Mongolia is a landlocked country in East and Central Asia . It's bordered by Russia to the north (3485 km) and China to the south, east and west (4678 km).

At 1 564 116 square kilometres (603 909 sq.mi.), Mongolia is the most sparsely populated country in the world, with a population of around 2,75 million people.

Majority of the state's citizen are of Mongol ethnicity (95%) , tough Kazakhs (4.9 %) , Tuvans and other minorities also live in the country.

Capital city - Ulaanbaatar.

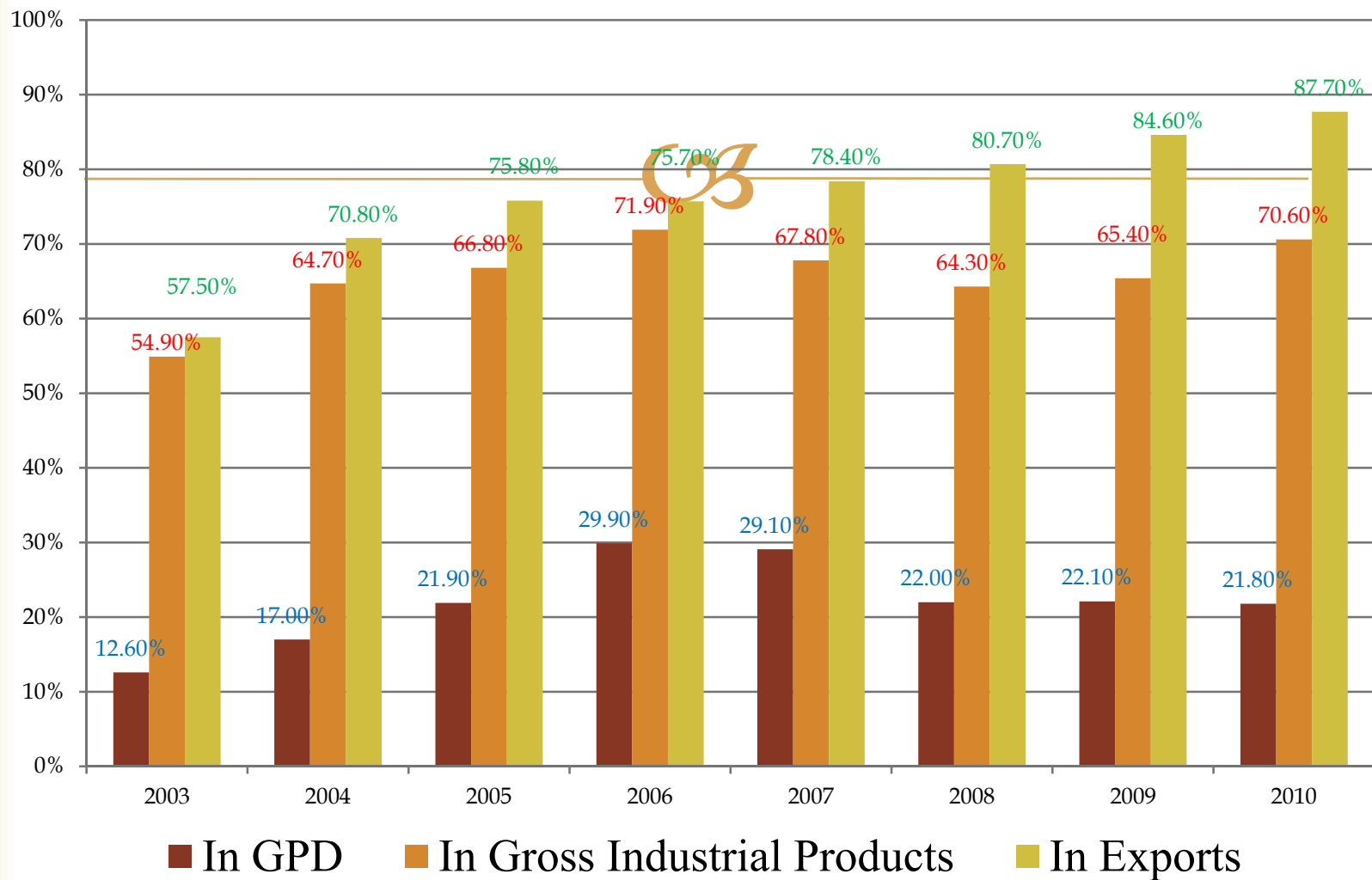


Fig 2. Role of mining sector in country's economy

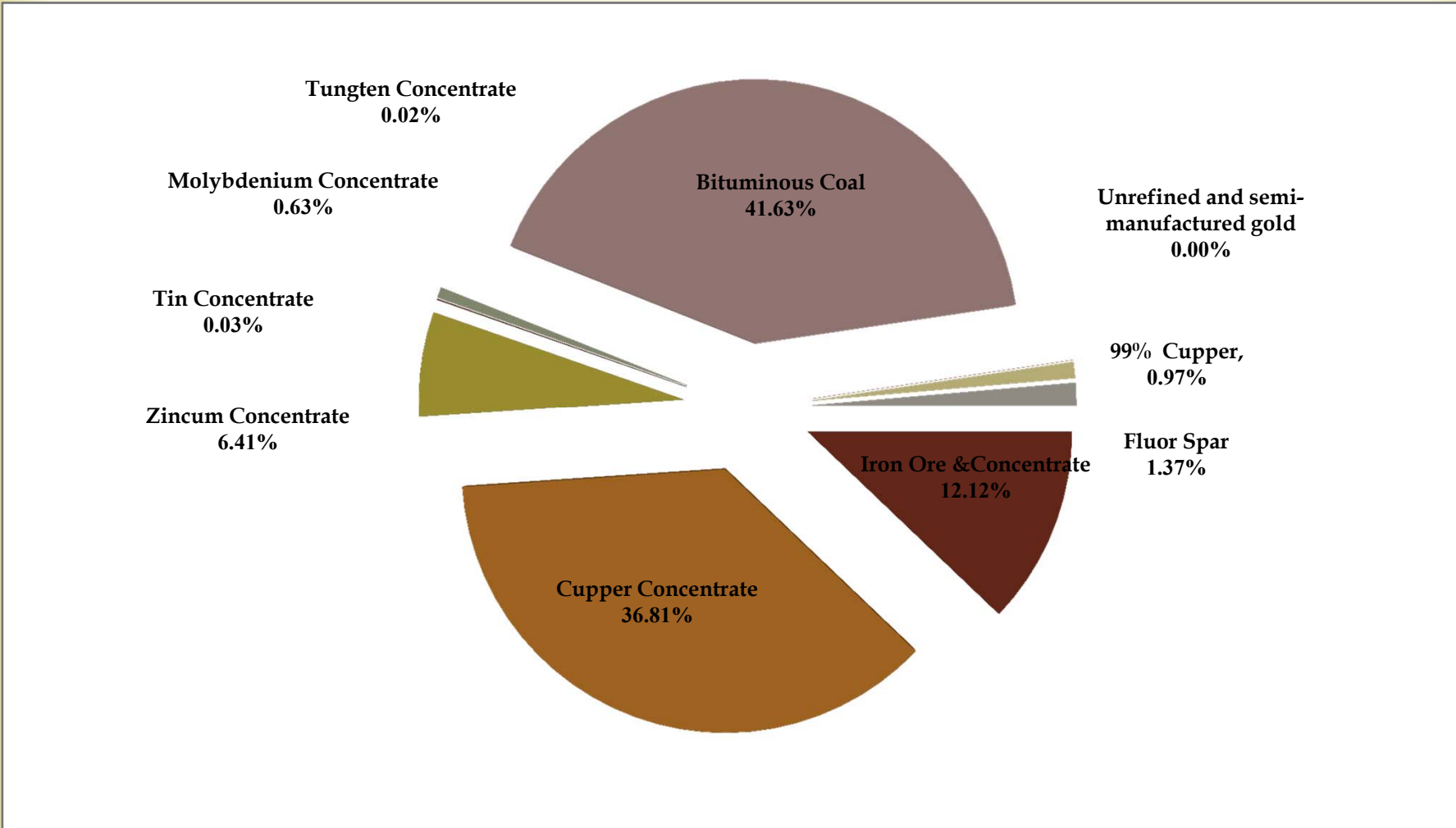


Fig.3. Mining and minerals production, by minerals types

Mining and mineral production of Mongolia for first 10 months of 2011 and 1997-2010

	Products	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	First 10 months of 2011
1	Lump Fluor Spar, thousand tonnes	44.3	45.9	53.7	87.4	71.8	99.0	80.5	206.7	233.4	239.4	245.0	219.1	344.2	542.4	
2	Flotation Concentrate, thousand tonnes	130.1	122.5	100.0	111.4	127.3	86.1	116.2	102.7	93.7	108.3	109.9	115.7	115.3	140.7	108.3
3	Copper in Concentrate, thousand tonnes	124.4	125.4	126.7	125.2	133.5	131.7	130.27	130.0	126.3	129.7	130.2	126.8	129.8	127.31	101.18
4	Molybdenum in Concentrate, tonnes	2202	1993	1953	1336	1423	1590	1793	1141	1153	1403.9	1978.3	1783.6	2408.7	2008.97	1610.2
5	Tin Concentrate /50%/, tonnes	19.6	-	-	-	-	-	-	22.0	47.0	-	27.5	87.5	15	49.26	
6	Tungsten Concentrate/68%/, tonnes	48.0	63.0	40.0	76.0	93.0	51.0	17.0	77.1	78.2	182.2	244.5	141.9	38.6	84.31	

7	Coal, thousand tonnes	4922	5057	4964	5185	5141	5544	5666.1	6665	7517.1	8074.1	9237.6	9691.6	13163.9	25246.4	24059
8	Gold, kg	8000	10040	10146	11500	12059	10883	10837	18500	21900	21267	18087	15184	9803	6037.1	5007.6
9	99% Copper, tonnes	2758	2319	1535.1	632.1	1476	1500	1341	2376.1	2474.5	2618.4	3006.5	2586.6	2470.1	2746.2	1981.2
10	Iron Ore, thousand tonnes	-	-	-	-	-	-	-	33.5	167.7	180.0	265.1	1387.4	1379.0	3203.2	5166.3
11	Zincum Concentrat e, thousand tonnes	-	-	-	-	-	-	-	-	22.8	109.9	154.7	143.6	156.5	112.6	88.4
12	Copper foundries, tonnes	-	-	-	-	-	-	-	-	195.5	221.2	-	-	-	-	-
13	Molybdeni um oxide. tonnes	-	-	-	-	-	-	-	-	-	157.8	2664.0	2112.2	156.5	-	-

MINERAL RESERVES

д/д	Minerals types	Unit	Reserves as for January 1, 2011	Total Reserves (A+B+C) 2011.01.01-2011.10.01
Metal deposits				
0	1	2	7	
1	Placer gold deposits	tons	218.42	
2	Primary gold deposits	tons	2118.44	
3	Silver	thousand tons	231.87	
4	Copper	million tons	82.74	
5	Molybdenum	thousand tons	874.1	
6	Zinc	thousand tons	3917.25	
7	Iron	million tons	253.49	
8	Tungsten	thousand tons	286.6	
9	Tin	thousand tons	55.2	
10	Lead	million tons	2.14	
11	Cadmium	thousand tons	5.8	
12	Arsenic	thousand tons	25.13	
13	Rhenium	tons	9.8	
14	Antimony	thousand tons	74.52	
15	Uranium	thousand tons	90.03	
16	Bismuth	thousand tons	17.06	
17	Rare-earth elements	thousand tons	1459.01	
Coal Deposits				
18	Brown coal (lignite)	million tons	8136.2	8,487,864,391.28
19	Bituminous coal	million tons	3269.75	

Reserves, added in 2011

№	Minerals types	Number of reports, submitted to the meeting of Mineral Resources Council	Approved reserves by metals, tons
1	Gold	23	35,107.32
2	Iron	7	28,710,119.39
3	Copper	5	491,379.74
4	Molibdenium	3	59,791.10
5	Tin	1	656.10
6	Lead	2	50,559.70
7	Tungsten	2	1,169.52
8	Flour Spar	16	6,060,458.25
9	Colored stone	2	761,938.52
10	Limestone	5	14,848,667.47
11	Construction stone	5	5,011,804.07
№	Minerals types	Number of reports, submitted to the meeting of Mineral Resources Council	Reserves m ³
12	Sands and gravels	11	11,267,021.00
13	Clay	3	2,964,880.00

№	Minerals types	Number of reports, submitted to the meeting of Mineral Resources Council	Reserves, tons		
			Weathered	Diluted	Mineable
14	Coal	27	8,274,453.00	2,818,555,074.06	5,661,034,864.22

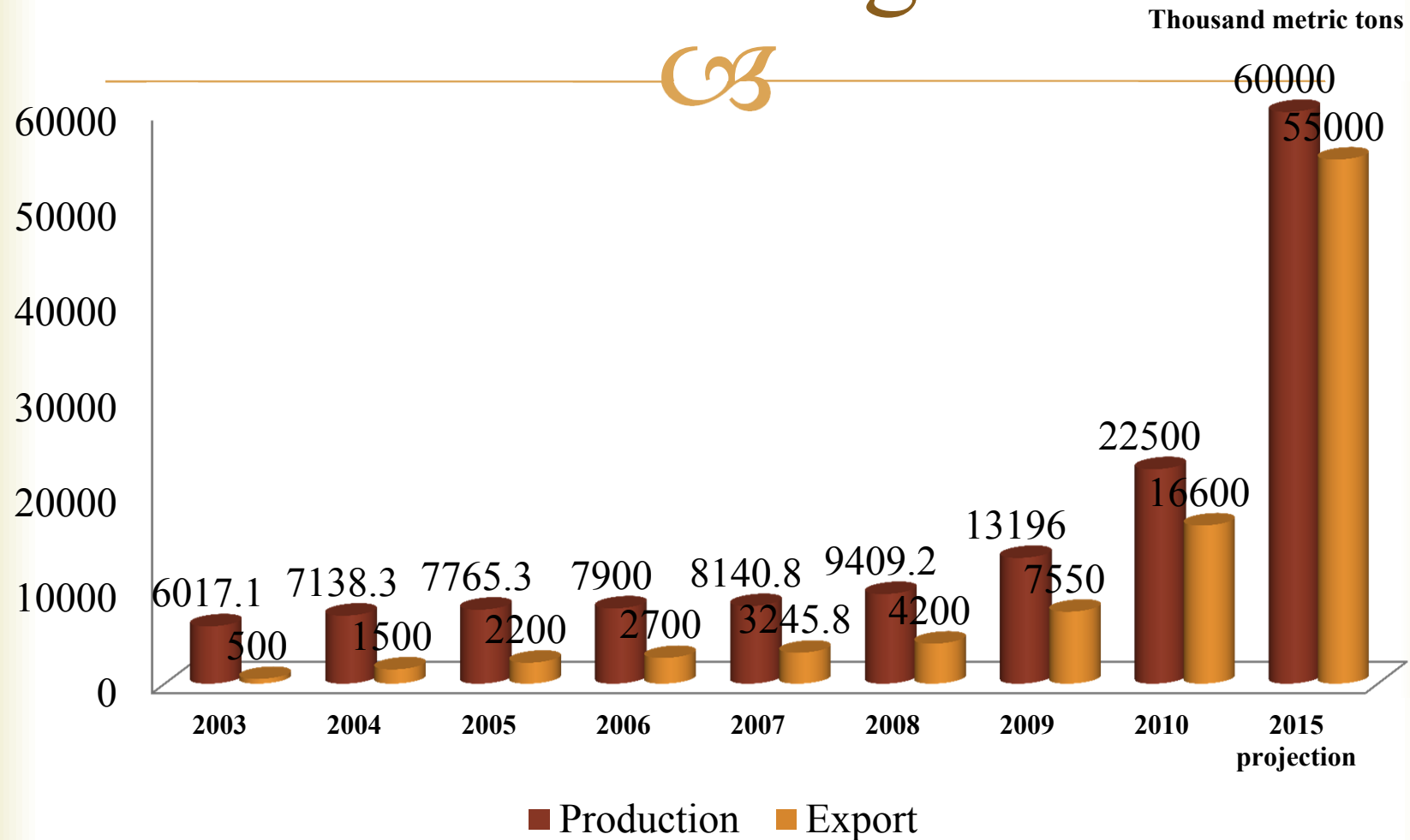
Coal Resources and Reserves in Mongolia



- ❧ Geological resources are 162.3 billion metric tons, and it is one of the top ten in the world
- ❧ 11,4 billion metric tons of production reserve
- ❧ In total 300 deposits and occurrences evenly located throughout the country



Coal Production & Export of Mongolia



Thank you