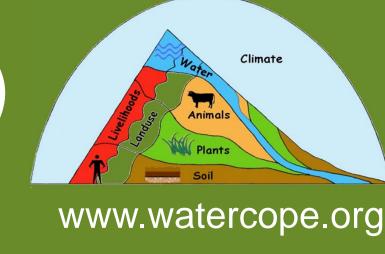
Competitiveness of livestock production in Mongolia using Policy Analysis Matrix approach (In case of Bulgan soum Khovd province)

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Enabling the rural poor to overcome poverty

Introduction and Objectives

Mongolia is rich in natural resources like freely available pastureland for herder households (HHH). 45 million livestock actually giving high pressure on pastureland carrying capacity. Objectives of the study:

- To analyze competitiveness of livestock productions in private and social perspectives in the research area
- To recommend policy options to reduce divergence between private and social profits of livestock productions



Figure 1. Deed Nariin summer camp, sample HHH milking goats

Results

Local herders intend to increase the number of goats because of the biggest cash income generation over other products. However, pastureland degrades due to grazing habit of goat.

- The highest cash income from cashmere of goat shared 54.3% alone.
- Secondary income generation activity for herders was to sell livestock.
- The average HHH earned about 2.48 million MNT (2.02 thousand USD) from selling livestock products per year.
- Nomadic livestock farming is a complex phenomenon thus, the analysis should focus on core products.

Table 1. Yearly average livestock production per HHH, 2011

104
462.9
502.0
19
22.5
31.0
0.0
2.5
337.4

^{*} Dairy products that are made by milk of cows, goats and sheep

Table 2. Annual cash income of selling livestock products per HHH, 2011

	Mean	STD	Min	Max	# of HHH who sold
Livestock products	(000	(000	(000	(000	the product of 197
	MNT)	MNT)	MNT)	MNT)	ннн
Cashmere	1,345.8	1213.8	0	9425.0	194
Alive livestock	551.6	944.9	0	6865.0	104
Meat	196.9	1041.3	0	10675.2	19
Hides	188.6	181.2	0	2125.9	196
Milk	57.5	211.5	0	2262.5	42
Camel wool	29.1	81.6	0	750.0	77
Sheep wool	20.3	132.0	0	1725.0	25
Horse hair and Tail	2.9	23.9	0	325.0	17
Dairy products	87.9	233.9	0	1830.5	60
Total	2,480.6	4,064.1	0	35,984.1	197

Materials and Methods

We used Policy Analysis Matrix approach developed by Monke and Pearson (1989). It accounts profitability of product in private and social prices. The data was disaggregated and was collected through questionnaires from 197 randomly selected HHH.

		Co		
	Revenues	Tradable	Domestic	Profit
		Inputs (TI)	Factors (DF)	
Private	Private	P Cost of TI	P Cost of DF	P Profit
Prices	Revenue (A)	(B)	(C)	(D=A-B-C)
Social	Social	S Cost of TI	S Cost of DF	S Profit
Prices	Revenue (E)	(F)	(G)	(H=E-F-G)
Diver-	I—A E	I_D E	V-C C	
gences	I=A-E	J=B-F	K=C-G	L=D-H=I-J-K

Table 3. Policy Analysis Matrix (Monke and Pearson, 1989)

Tradable inputs are inputs that are exported or imported, domestic factors are those that are not tradable on international market.

Conclusions

Although cashmere is the only product that is generating highest cash income, it may be not socially profitable due to its negative impact on grassland.

















