Socio-economic contribution of pastoralism: case study: Puna of Argentina

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Arid environments
Scarce rain
And high interannual precipitation variation ($CV = 30$)
Great annual and daily temperature differences
Strong winds
herders

In the world
- 40% production value
- nurish to almost 1000 million people
- 25% of the lands in world

Nortwestern Argentine
70%
(48,000)
Puna of Argentine
(20,000 pastoralists families)
High biodiversity of domestic animals: lama, sheeps, some goats, cattle and donkeys

Pastoralist are mainly the women

Usually they are not owners of land

Difficulties to access to water; roads; markets; communication; credits

Incomes from meat and wool; textil handicrafts; State helps;
- Non formal markets
- Not legal frames to protect their activities and their ways of trade
Puna of Jujuy

33% of the province population

284,460 sheeps (75%), 137,532 lamas (97.6%); and 79,081 goats (56%)
<table>
<thead>
<tr>
<th>%</th>
<th>provincia</th>
<th>USD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cattle</td>
<td>16</td>
<td>7.192.294</td>
</tr>
<tr>
<td>Sheeps</td>
<td>76</td>
<td>1.788.242</td>
</tr>
<tr>
<td>Goats</td>
<td>56</td>
<td>1.986.935</td>
</tr>
<tr>
<td>Lamas</td>
<td>98</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>42.973.177</td>
</tr>
</tbody>
</table>
330 t de Lama meat and 200 t of ovine meat = 530,000 kg meat

2,000,000 $/year

60 t to 120 t of Lama wool = 8,800 $ to 162,500 $/year

200 t of ovine wool = 92,300 $/year

If 8,000 Domestic units produce 2,3 mill dollars/year perhaps 20,000 U.D. produce ca 5,75 mill dollars/y
Thank you

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