

Table S1. Questionnaire for the livestock farmers using pastures of Sierra Nevada Protected Area (Spain).

Category	Questions used in the survey
A. Personal farmer data	a.1. Farmer's name a.2. Farmer's age a.3. Farm Municipality a.4. Province
B. Farmer activities and marketing	b.1. Farmer's other activities, in addition to livestock [i) Agriculture, ii) Tourism, iii) Construction iv) Other] b.2. Marketing of young animals [i) Weaned, ii) Fattened] b.3. Mode of sale [i) Directly to abattoir, ii) Through an intermediary] b.4. Milk is destined to make craft cheese [i) Yes, ii) No] b.5. Farmer belongs to a breed association [i) Yes, ii) No] b.6. Farmer belongs to a breed cooperative or association for animal marketing [i) Yes, ii) No]
C. Land for livestock	c.1. Total area [ha] c.2. Farmer's own land [ha] c.3. Rented land [ha] c.4. Public land [ha] c.5. Cropland area [ha] c.6. There is cropland for cereals [i) Yes, ii) No] c.7. There is cropland for grazing [i) Yes, ii) No] c.8. There is cropland for hay [i) Yes, ii) No] c.9. Farmer uses stubble (own or other) [i) Yes, ii) No]

D. Herd characteristics	d.1. Presence of cattle on the farm [i) Yes, ii) No] d.2. Purpose [i) Meat, ii) Milk, iii) Mixed] d.3. Breeds [name] d.4. Number of cows d.5. Presence of sheep on the farm [i) Yes, ii) No] d.6. Purpose [i) Meat, ii) Milk, iii) Mixed] d.7. Breeds [name] d.8. Number of ewes d.9. Presence of goat on the farm [i) Yes, ii) No] d.10. Purpose [i) Meat, ii) Milk, iii) Mixed] d.11. Breeds [name] d.12. Number of goats
E. Reproduction and feeding management	e.1. Mating is continuous (not controlled) [i) Yes, ii) No] e.2. Months in which parturitions predominate e.3. Farms practise continuous grazing [i) Yes, ii) No] e.4. Farmer supplies hay in some periods of the year [i) Yes, ii) No] e.5. Farmer supplies concentrates in some periods of the year [i) Yes, ii) No] e.6. Farms practise short transhumance: movement within the same region, usually involving changes in altitude (higher in summer and lower in winter [i) Yes, ii) No] e.7. Farms practise long transhumance: migration to different regions and even different autonomous communities [i) Yes, ii) No]
F. Farm trends	f.1. There have been changes in the breeds on the farm in the last 10 years [i) Yes, ii) No] f.2. There have been changes in the facilities in the last 10 years [i) Yes, ii) No] f.3. Farmer thinks that the farm will continue [i) Yes, ii) No]