Ap	pendix	2.	Semi-structured	interview	guides.
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Appendix 2. Semi-structured interview guides.   Demographic information (Closed-ended)							
Name:	Gender:	Age:					
Nationality:	Education:	Occupation:					
Basic livestock management information (Closed-ended)							
Inherent pasture area:	Rented pasture area:	Livestock breeds:					
Livestock numbers:	Supplementary forage per year:	Supplementary concentrates per year:					
The maximum stocking rates stipulated by the Forage-Livestock Balance policy:							
Basic livelihood information (Closed-ended)							
Livestock net income:	Income from other sources:	Loan amount:					
Annual expenditures on food, clothing, traffic, heating, education, and medical treatment:							
Herder's perceptions of grassland ecological changes (Closed-ended + Open-ended)							
1. Overall, how has the grassland vegetation grown over the past 20 years? (Closed-ended)							
(A) Better (B) Worse (C) No change (D) Unclear							
2. What indicators do you use to judge grassland degradation? (Closed-ended)							
(A) Plant species (B) Grass height (C) Desertification (D) Grass productivity (E) Grass density							
Herder's subjective evaluation of their well-being conditions (Closed-ended + Open-ended)							
3. Overall, are you satisfied with your current qualify of life? (Closed-ended)							
(A) Very satisfied (B) Satisfied (C) Not too bad (D) Unsatisfied							
4. Herders' subjective evaluation of the following eight wellbeing dimensions (Closed-ended + Open-							
ended)							
(1) Income: are you satisfied with your current level of income, why?							
(A) Very satisfied	(B) Satisfied (C) Not too bad	(D) Unsatisfied					
(2) Food security: are you satisfied with the convenience, safety, or price of food, why?							
(A) Very satisfied	(B) Satisfied (C) Not too bad	(D) Unsatisfied					
(3) Health care: are you satisfied with local medical facilities and the health status of your family,							
why?							
(A) Very satisfied	(B) Satisfied (C) Not too bad	(D) Unsatisfied					
(4) Gender equality: are you satisfied with the current status and division of labor between women							
and men in the family, why?							
(A) Very satisfied (	B) Satisfied (C) Not too bad (	D) Unsatisfied					

(5) Education: are you satisfied with your children's education level and access to high-quality education, why?

(A) Very satisfied (B) Satisfied (C) Not too bad (D) Unsatisfied

(6) Water & sanitation: are you satisfied with the drinking water and livestock drinking water, why?

(A) Very satisfied (B) Satisfied (C) Not too bad (D) Unsatisfied

(7) Access to energy: are you satisfied with your current home energy supply, and why?

(A) Very satisfied (B) Satisfied (C) Not too bad (D) Unsatisfied

(8) Social equity: are you satisfied with social equality, and why?

(A) Very satisfied (B) Satisfied (C) Not too bad (D) Unsatisfied

Herder's perceptions and understandings of herder-grassland relationships (Closed-ended + Openended)

5. What benefits do you think grasslands can provide for you? (Closed-ended)

(A) Economic benefits (B) Food provisioning (C) Sandstorm prevention (D) Air purification (E) Eco-tourism (F) Visual aesthetic

6. What do you think are the main causes of grassland degradation? (Open-ended)

7. Do you think grassland degradation is related to overgrazing? to what extent? (Closed-ended)

(A) Very relevant (B) Relevant (C) Weak relevant (D) Irrelevant

8. Why do herders overgraze despite knowing its negative effects on grasslands? (Open-ended)

Herder's livestock management strategies and views on grassland environmental policies (Closedended + Open-ended)

12. How do you decide the livestock numbers to be sold and reserved each year? (Open-ended)

13. To prevent grassland degradation, the government has implemented several grassland environmental policies, such as the Fencing Program, Forage-Livestock Balance policy, and Forbidden Grazing and Rotational Grazing programs. (Closed-ended + Open-ended)

(1) Do you think the Fencing Program is reasonable or unreasonable, Why?

(2) Do you think the Forage-Livestock Balance policy is reasonable or unreasonable, Why?

(3) Do you think the Forbidden Grazing and Rotational Grazing programs are reasonable or unreasonable, Why?