Diagnosing the causes of territory abandonment by the Endangered Egyptian vulture *Neophron percnopterus*: the importance of traditional pastoralism and regional conservation

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Appendix 1 The best scale-specific generalized linear models ($\Sigma\omega_i = 0.95$) obtained for the probability of territory abandonment by the Egyptian vulture *Neophron percnopterus* at three scales (nest, cliff and landscape) and three landscape resolutions (1-, 2.5- and 5-km radii; see text for details). The models are ranked using the corrected Akaike's Information Criterion (AICc) and the Akaike weight (ω_m). k is the number of parameters in the model. ΔAICc of a model is the difference between its AICc and that of the model with the minimum AICc value. Null model corresponds to a model with the intercept only.

Model	k	AICc	ΔAICc	ω_m	Ranking
Nest					
Null model	2	69.44	0.00	0.228	1
Cliff					
Length + Elevation	4	66.43	0.00	0.195	1
Length	3	67.08	0.65	0.141	2
Landscape					
Core area (1-km radius)					
Classes + Cliffs + Livestock	5	61.24	0.00	0.249	1
Classes + Livestock	4	63.98	2.74	0.063	2
Cliffs + Livestock	4	64.18	2.94	0.057	3
Livestock	3	65.82	4.58	0.025	4
Classes + Cliffs	4	67.02	5.78	0.014	5
Classes	3	67.55	6.30	0.011	6
Home range (2.5-km radius)					
Cows + Slope + Cliffs + Sheep	6	33.77	0.00	0.785	1
Cows + Slope + Cliffs	5	36.40	2.63	0.211	2
Home range (5-km radius)					
Livestock + Sheep	4	60.50	0.00	0.350	1
Livestock	3	61.38	0.89	0.225	2
Rocky + Sheep	4	66.01	5.51	0.022	3

Appendix 2 The best combined generalized linear models ($\Sigma\omega_i = 0.95$) obtained for the probability of territory abandonment by Egyptian vulture after combining the nest-site models with those obtained from each one of the three landscape resolutions (1-, 2.5- and 5-km radii). The models are ranked using the corrected Akaike's Information Criterion (AICc) and the Akaike weight (ω_m). k is the number of parameters in the model. ΔAICc of a model is the difference between its AICc and that of the model with the minimum AICc value.

Model	k	AICc	ΔAICc	ω_m	Ranking
Core area (1-km radius)					
Classes + Length + Livestock	5	59.22	0.00	0.400	1
Livestock + Length + Elevation	5	59.49	0.27	0.349	2
Length + Livestock	4	60.62	1.40	0.198	3
Classes + Livestock	4	63.98	4.76	0.037	4
Classes + Length	4	65.71	6.49	0.016	5
Home range (2.5-km radius)					
Cliffs + Cows + Slope + Sheep + Elevation	7	24.78	0.00	0.851	1
Cliffs + Cows + Slope + Sheep + Length	7	29.18	4.41	0.094	2
Cliffs + Cows + Slope + Length + Elevation	7	30.25	5.48	0.055	3

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Appendix 2 (Continued)

Model	k	AICc	ΔAICc	ω_m	Ranking
Home range (5-km radius)					
Rocky + Livestock + Sheep + Length + Elevation	7	57.07	0.00	0.273	1
Elevation + Livestock + Sheep + Length	6	57.08	0.01	0.271	2
Sheep + Livestock + Length	5	57.63	0.56	0.206	3
Livestock + Length	4	58.17	1.11	0.157	4
Livestock + Sheep	4	60.50	3.43	0.049	5
Rocky + Sheep + Length + Elevation	6	60.72	3.65	0.044	6