

Supplementary data

Fig 1

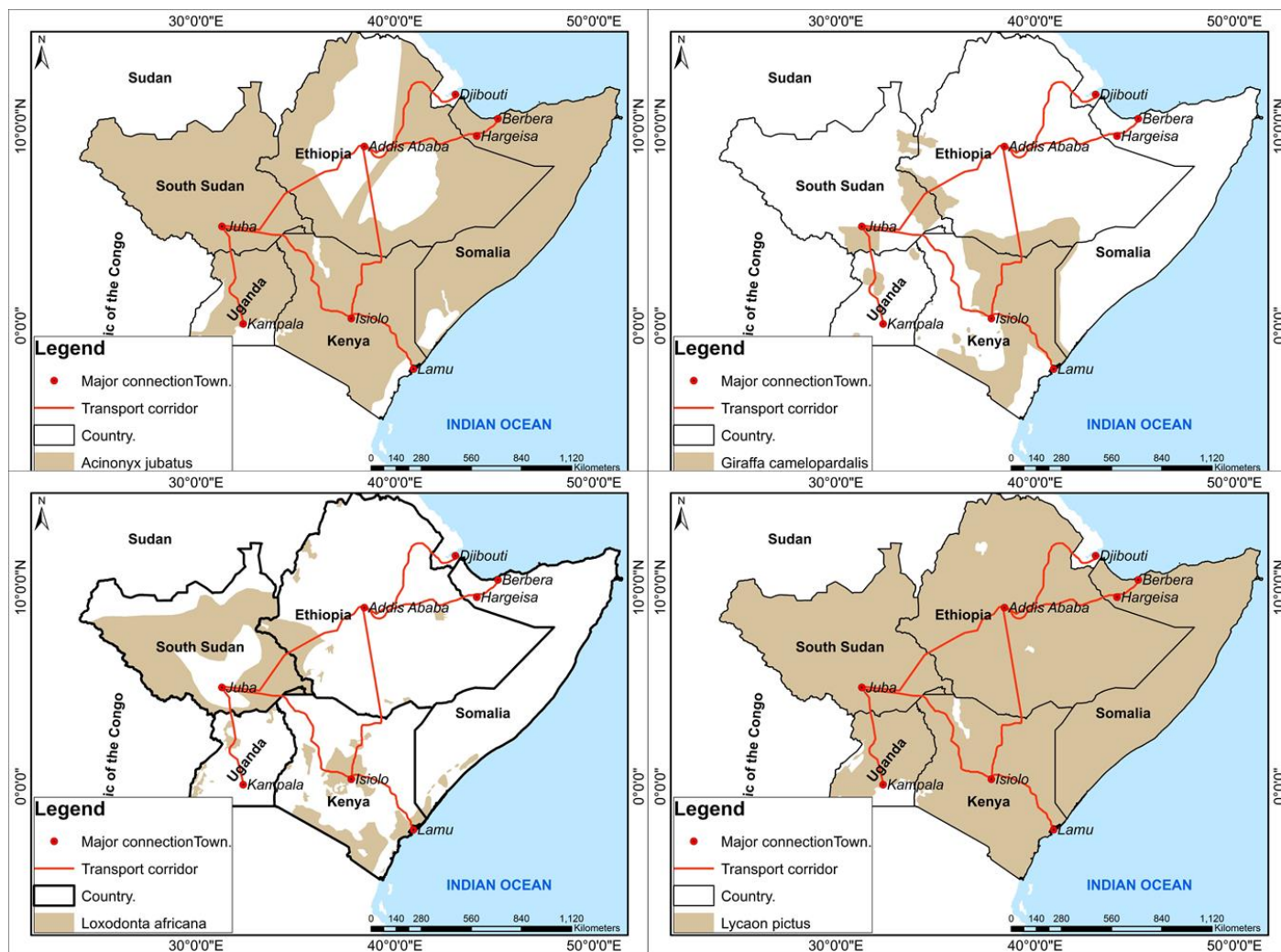


Fig 2

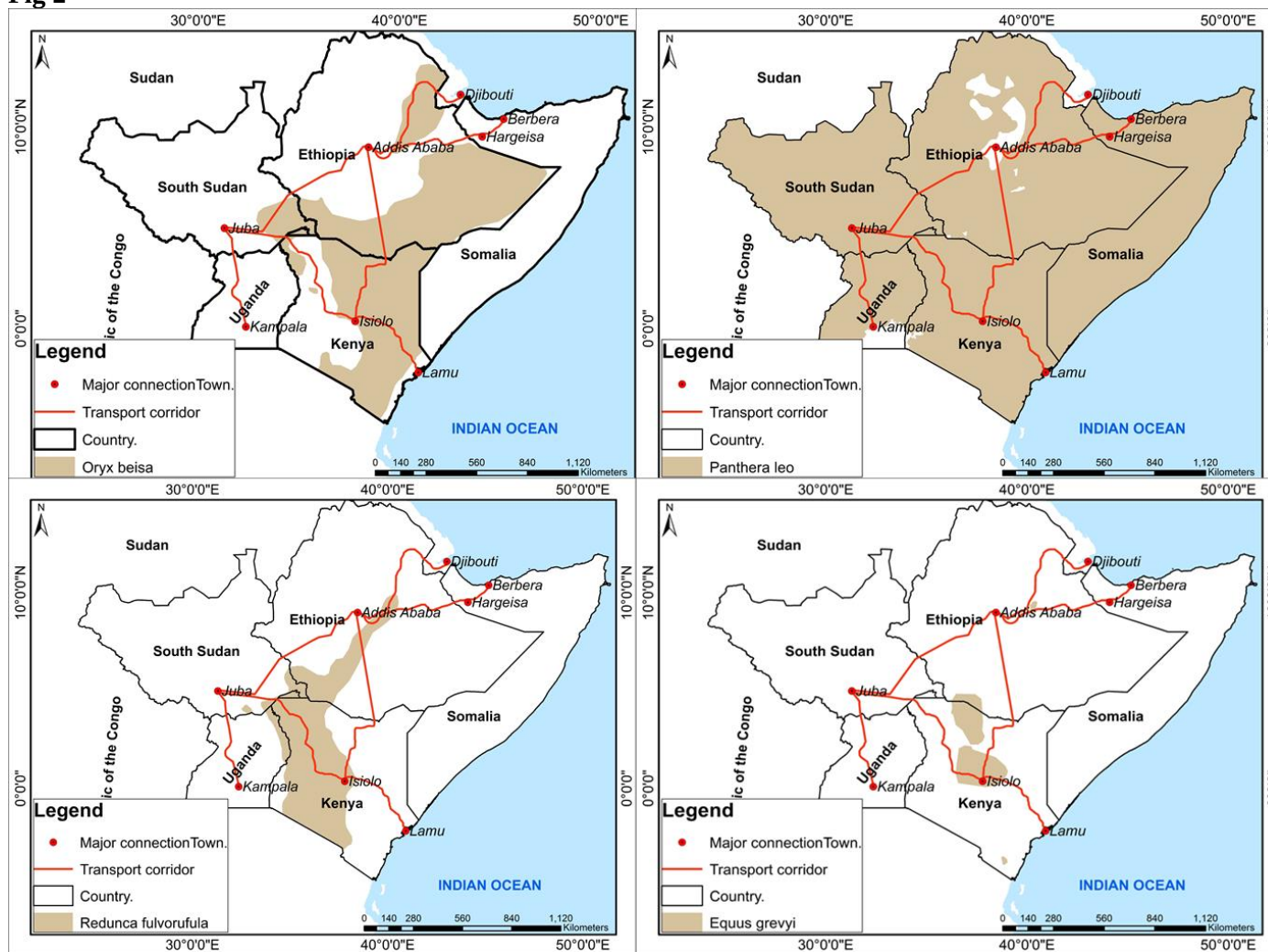


Fig 3

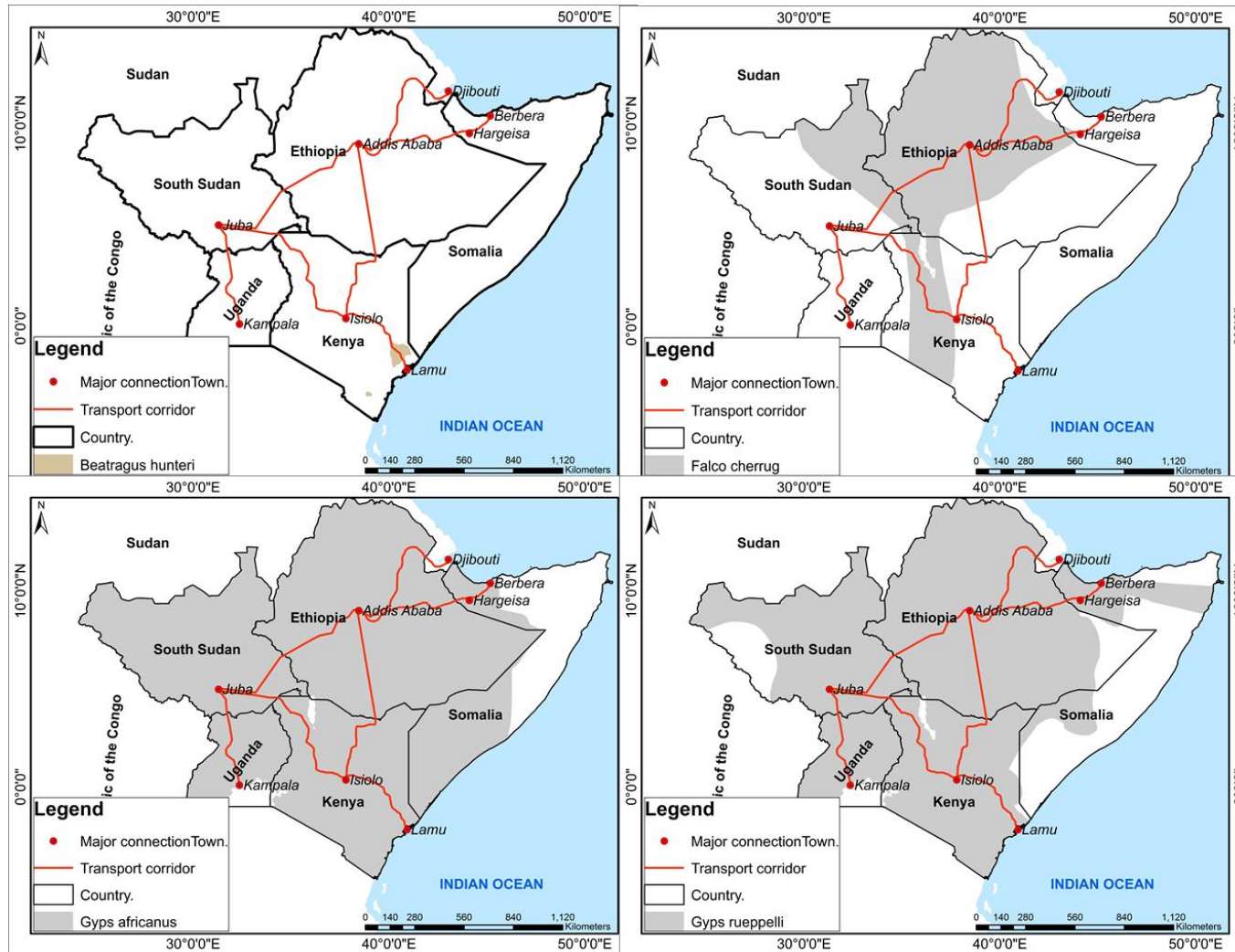


Fig 4

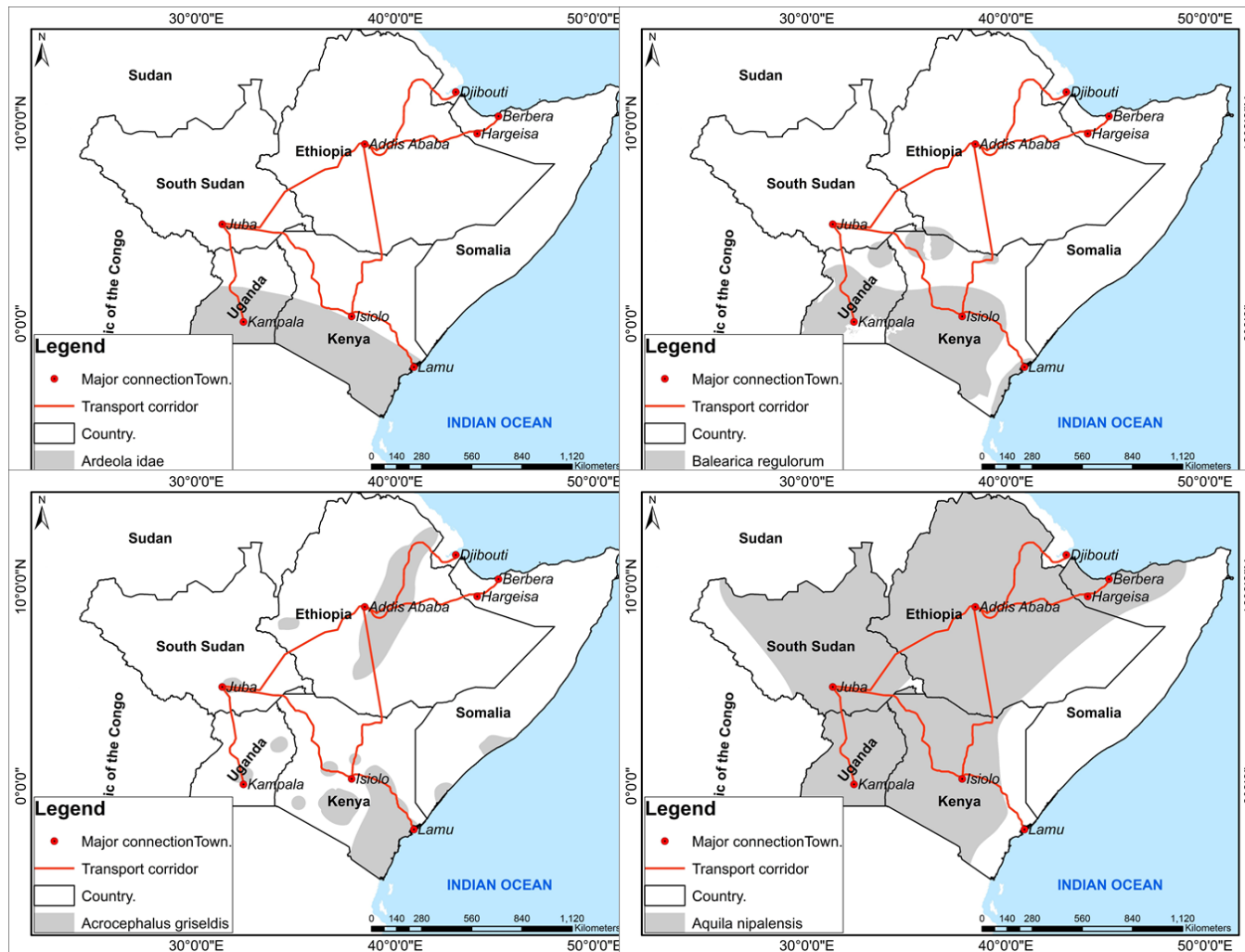


Fig 5

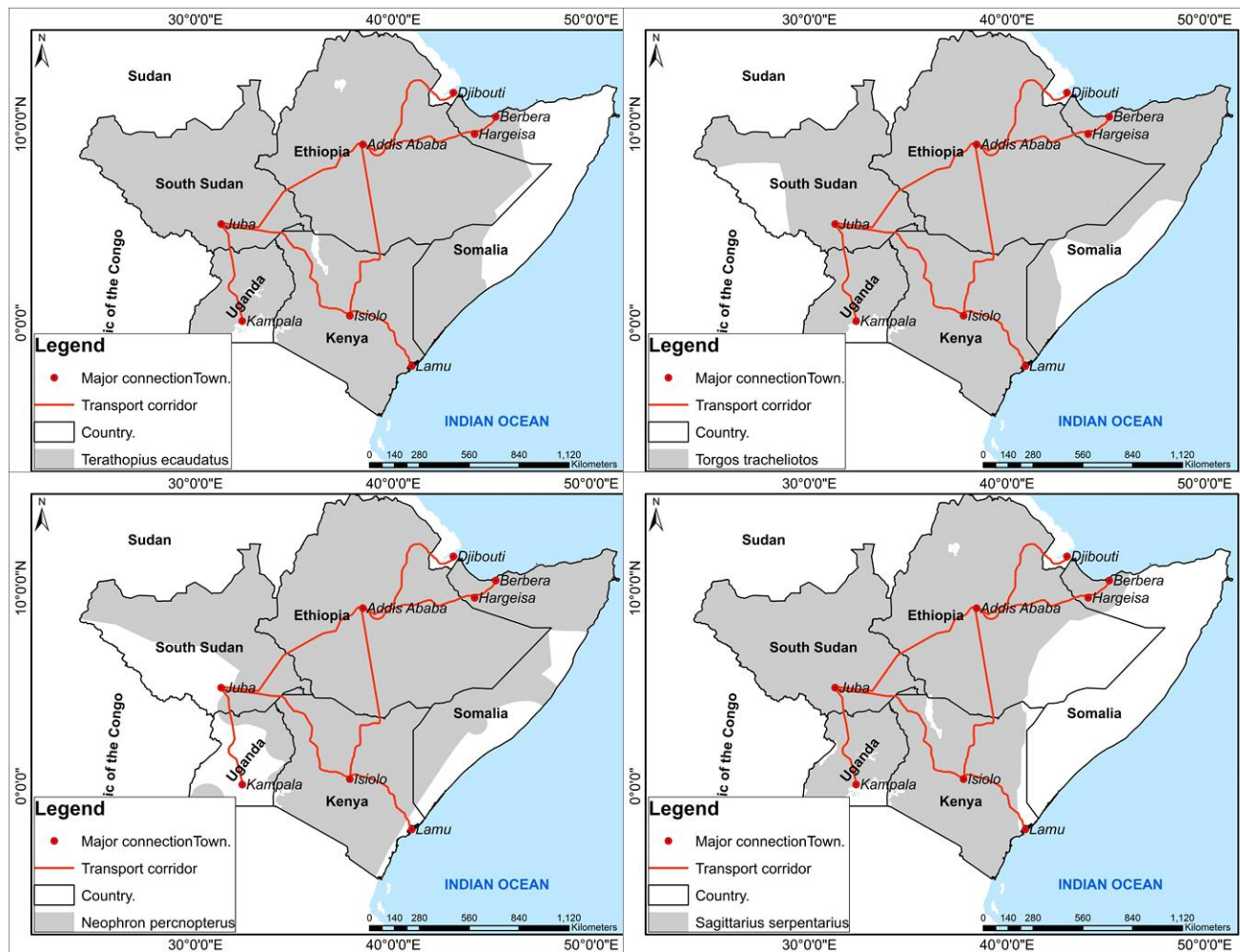


Fig 6

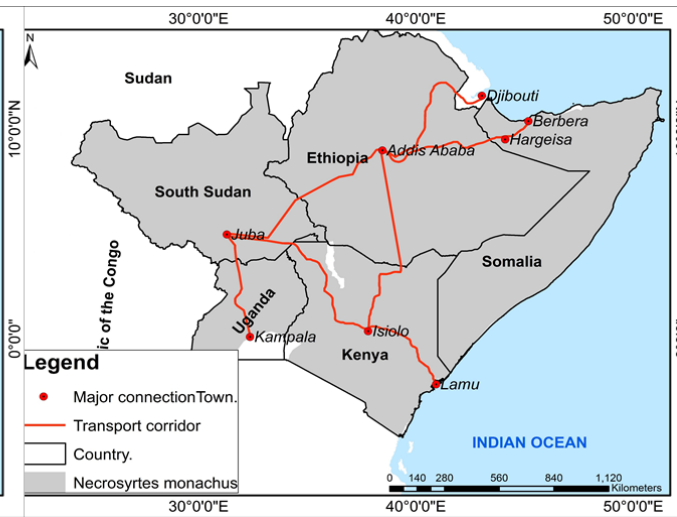
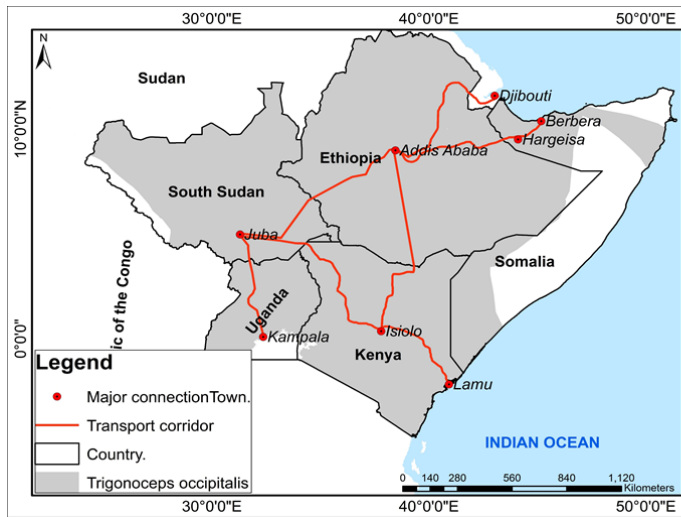




Plate 1: Reticulated giraffe roadkill along the Modika–Modogashe section of the LAPSET Corridor (photo credit: HCP).

Table S1: Threat-weighted composite exposure risk indices across transport corridor buffers

#	Species	IUCN	Weight	50 m %	$\text{idx}_{50} =$ $(\% \times W)/100$	100 m %	idx_{100}	1000 m %	idx_{1000}	Composite	Normalized (0–1)
1	<i>Beatragus hunteri</i>	CR	4	0.12	0.0048	0.24	0.0096	2.43	0.0972	0.0372	1.0000
2	<i>Acrocephalus griseldis</i>	EN	3	0.06	0.0018	0.12	0.0036	1.17	0.0351	0.0135	0.3629
3	<i>Equus grevyi</i>	EN	3	0.05	0.0015	0.10	0.0030	0.99	0.0297	0.0114	0.3065
4	<i>Redunca fulvorufula</i>	EN	3	0.04	0.0012	0.07	0.0021	0.75	0.0225	0.0086	0.2312
5	<i>Balearica regulorum</i>	EN	3	0.03	0.0009	0.05	0.0015	0.53	0.0159	0.0061	0.1640
6	<i>Falco cherrug</i>	EN	3	0.03	0.0009	0.05	0.0015	0.50	0.0150	0.0058	0.1559
7	<i>Oryx beisa</i>	EN	3	0.02	0.0006	0.05	0.0015	0.50	0.0150	0.0057	0.1532
8	<i>Aquila nipalensis</i>	EN	3	0.02	0.0006	0.05	0.0015	0.48	0.0144	0.0055	0.1479
9	<i>Sagittarius serpentarius</i>	EN	3	0.02	0.0006	0.05	0.0015	0.48	0.0144	0.0055	0.1479
10	<i>Loxodonta africana</i>	EN	3	0.02	0.0006	0.05	0.0015	0.46	0.0138	0.0053	0.1423
11	<i>Gyps rueppelli</i>	CR	4	0.02	0.0008	0.04	0.0016	0.44	0.0176	0.0060	0.1613
12	<i>Gyps africanus</i>	CR	4	0.02	0.0008	0.04	0.0016	0.40	0.0160	0.0061	0.1647
13	<i>Trigonoceps occipitalis</i>	CR	4	0.02	0.0008	0.04	0.0016	0.41	0.0164	0.0063	0.1684
14	<i>Necrosyrtes monachus</i>	CR	4	0.02	0.0008	0.04	0.0016	0.36	0.0144	0.0056	0.1505
15	<i>Torgos tracheliotos</i>	EN	3	0.02	0.0006	0.04	0.0012	0.39	0.0117	0.0045	0.1210
16	<i>Neophron percnopterus</i>	EN	3	0.02	0.0006	0.04	0.0012	0.38	0.0114	0.0044	0.1183
17	<i>Lycaon pictus</i>	EN	3	0.02	0.0006	0.04	0.0012	0.36	0.0108	0.0042	0.1129
18	<i>Terathopius ECAUDATUS</i>	EN	3	0.02	0.0006	0.04	0.0012	0.41	0.0123	0.0047	0.1263
19	<i>Giraffa camelopardalis</i>	VU	2	0.03	0.0006	0.06	0.0012	0.65	0.0130	0.0049	0.1326
20	<i>Panthera pardus</i>	VU	2	0.02	0.0004	0.04	0.0008	0.36	0.0072	0.0028	0.0753
21	<i>Panthera leo</i>	VU	2	0.02	0.0004	0.03	0.0006	0.35	0.0070	0.0027	0.0718
22	<i>Acinonyx jubatus</i>	VU	2	0.02	0.0004	0.03	0.0006	0.35	0.0070	0.0027	0.0718