

Taking the elephant out of the room and into the corridor: can urban corridors work?

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PLATE S1 Gaps in a fence facilitate the passage of elephants *Loxodonta africana* through the Seboba Recreational Centre in the Kasane community in Chobe District, north-eastern Botswana (Fig. 1).



PLATE S2 A fence damaged by elephants in the A1 corridor through the Kasane community in Chobe District, north-eastern Botswana (Fig. 1). The fence was blocking the elephants from using the corridor and accessing the Chobe River.

TABLE S1 Outputs of the top model of daily usage of urban corridors by elephants *Loxodonta africana* in the Chobe district of north-eastern Botswana (Fig. 1).

Fixed effects				
	Mean estimate \pm SE	z	Pr ($> z $)	Significance
(Intercept)	-2.34 \pm 0.39	-6.06	1.38e-09	***
Hot dry	0.96	0.1464	6.528	6.68e-11
Post wet	1.44	0.1750	8.241	<2e-16
Wet	0.22	0.1332	1.669	0.95e-2

***, $P < 0.05$

Random effects			
Groups	Name	Variance	Standard deviation
Rainfall	(Intercept)	1.471	1.2713
Corridor	(Intercept)	0.573	0.757

TABLE S2 Outputs of the top model of hourly usage of urban corridors by elephants in the Chobe district of north-eastern Botswana (Fig. 1).

Fixed effects				
	Mean estimate \pm SE	z	Pr ($> z $)	Significance
(Intercept)	0.87 \pm 0.71	1.23	0.22	
02.00–04.00	–0.49 \pm 0.31	–1.55	0.12	
04.00–06.00	–1.30 \pm 0.31	–4.15	3.38e–05	***
06.00–08.00	–2.52 \pm 0.34	–7.35	1.99e–13	***
08.00–10.00	–3.39 \pm 0.40	–8.50	$<2e-16$	***
10.00–12.00	–3.39 \pm 0.40	–8.50	$<2e-16$	***
12.00–14.00	–2.71 \pm 0.35	–7.66	1.82e–14	***
14.00–16.00	–2.29 \pm 0.35	–6.84	7.76e–12	***
16.00–18.00	–1.30 \pm 0.31	–4.15	3.37e–05	***
18.00–20.00	–0.49 \pm 0.31	–1.55	0.12	
20.00–22.00	–0.16 \pm 0.32	–0.48	0.63	
22.00–24.00	0.16 \pm 0.32	0.49	0.63	
Industrial	–1.05 \pm 0.86	–1.23	0.22	
Open space	0.23 \pm 0.93	0.25	0.81	
Hot dry	1.33 \pm 0.23	5.80	6.70e–09	***
Post wet	1.00 \pm 0.26	3.88	0.10e–04	***
Wet	–0.13 \pm 0.19	–0.68	0.50	

***, $P < 0.05$

Random effects			
Groups	Name	Variance	Standard deviation
Corridor	(Intercept)	0.84	0.92