

Supplementary Information

Table S1: Descriptions of response variables modelled in the study. The column variable, list variables, description describes the variables as used in the study, Variable Type: lists variables as discrete or continuous. Sources; lists data sources of each variable.

Variable	Description	Variable Types	Sources
Elevation	Height above sea level, recorded at every netting site of this study using a handheld GPS (eTrex 30x, Garmin)	continuous	Measured in the study
Season	Dry: sampled during the dry season before rainfalls stated Wet: sampled during the wet season after rainfalls begun	discrete	Measured in the study
Bird size	Body size measured as body mass (g)	continuous	Measured in the study
Hand-Wing Index	$100 * DK / Lw$ - where DK is Kipp's distance and Lw is wing length (i.e., Kipp's distance corrected for wing size)	continuous	AVONET database set (Tobias et al., 2022)
Migration	Sedentary – Migration data was obtained from BirdLife with 'full migrants' scored here as migratory and all others (partial migrants, altitudinal migrants, non-migrants, and nomads). Migratory – Majority of population undertakes long-distance migration	categorical	AVONET database set (Tobias et al., 2022)

<p>Primary lifestyle</p>	<p>Aerial - species spends much of the time in flight, and hunts or forages predominantly on the wing;</p> <p>Terrestrial - species spends majority of its time on the ground, where it obtains food while either walking</p> <p>Perching - species spends much of the time perching above the ground, either in branches of trees and other vegetation (i.e. arboreal), or on other raised substrates including rocks, buildings, posts, and wires;</p> <p>Generalist - species has no primary lifestyle because it spends time in different lifestyle classes</p>	<p>categorical</p>	<p>AVONET database set (Tobias et al., 2022)</p>
<p>Territoriality</p>	<p>Non-territorial - species lack any form of territorial behaviour</p> <p>Weakly territorial - species only defend seasonal territories such as nesting sites and mating display sites</p> <p>Strongly territorial- species defended territories all year round</p>	<p>categorical</p>	<p>Sheard et al., 2020</p>