

Supplementary Material

Human presence is positively related to the number of bird calls and songs. Assessment in a national park

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Figure S1. Location of Villarreal de San Carlos, the small town in Monfragüe National Park where most activities develop during the FIO fair. The map also shows the location of the three routes. The start points of the three routes are in Villarreal de San Carlos (29S, 754163.00 m E, 4415023.00 m N).

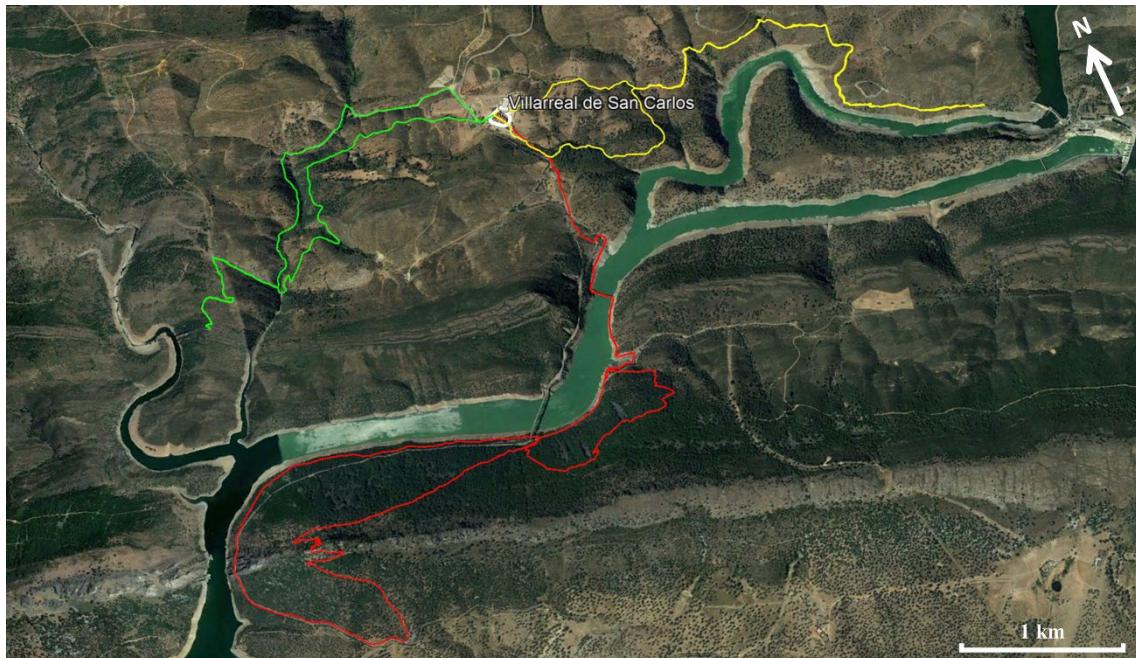


Table S1. Additional information that illustrates the different situation regarding human disturbance in both measurement campaigns. People at lunchtime: people counted inside the restaurant and on the streets of Villarreal de San Carlos at lunchtime. Cars at lunchtime: cars parked in Villarreal de San Carlos and surroundings at lunchtime. Buses at lunchtime: buses around Villarreal de San Carlos at lunchtime.

	Measurement campaign of "no event"	FIO fair
People at lunchtime	20	>1,000
Cars at lunchtime	5	>100
Buses at lunchtime	0	4

Table S2. Random effects for the models assessing the effect of measurement campaigns (Event) and the presence of people on acoustic biodiversity measures (see Table 2). A) Results from the GLMM with species richness as the dependent variable. B) Results from the LMM with the Shannon index as the dependent variable. C) Results from the LMM with the Simpson index as the dependent variable. Std. dev.: Standard deviation.

	Random effects	Variance	Standard deviation	Intercept (Std. dev.)	Residuals (Std. dev.)
A) Species richness (GLMM)	Time within route	0.00354	0.059		
	Sampling point within route	0.00007	0.008		
B) Shannon index (LMM)	Time within route			0.000005	0.454
	Sampling point within route			0.000005	0.454
C) Simpson index (LMM)	Time within route			0.000003	0.215
	Sampling point within route			0.000005	0.215