This letter should include a provisional title and author list and a **short Abstract (150 words max)**: please highlight your main findings and explain how animal functional traits improve mechanistic understanding of ecological patterns and processes in the proposed manuscript.

T1: Bee foraging ranges can be predicted using body mass and level of eusociality

T2: Incorporating eusociality improves allometric predictions of bee foraging ranges

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Bee foraging ranges structure the scale at which bee ~ plant interactions and pollination-related ecosystem functions occur. Previous studies have demonstrated that foraging ranges scale positively with body mass. Yet, how foraging range is related to functional traits, such as eusociality and floral specialisation remains unknown. We conducted a synthesis of bee foraging ranges, compiling 411 estimates and functional traits for 100 species. We then modelled bee foraging ranges within a phylogenetic bayesian mixed-model framework. Body mass and eusociality were most important for predicting bee foraging ranges. Highly eusocial species have greater foraging ranges per unit body mass than primitively eusocial or solitary species. Floral specialisation had no effect on bee foraging ranges. These functional differences among bee species enable greater understanding of ecological processes related to bee foraging behaviour. In particular, communication among workers within highly eusocial colonies may allow these species to forage over wider areas.