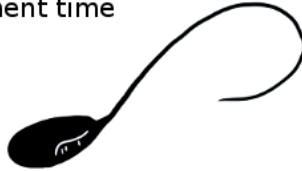


## Key objectives

- Quantify stabilising niche and average fitness differences between 10 species of Sepsidae
- Predict species distributions from multiple dimensions of fly traits
- Predict dung decomposition from fly traits and species composition

### A Egg traits

Length, width, survival, development time

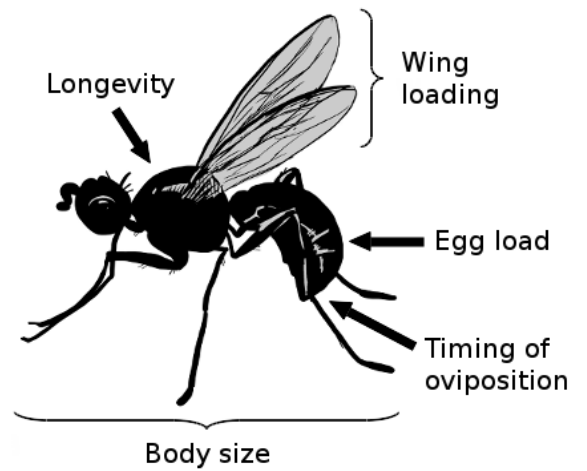


### B Larva traits

Length, width, volume, survival, feeding rate, development time



### C Adult fly traits



### D Invasion experiments estimate: intrinsic growth ( $r_i$ ), intraspecific ( $\alpha_{ij}$ ) & interspecific competition ( $\alpha_{ji}$ )

