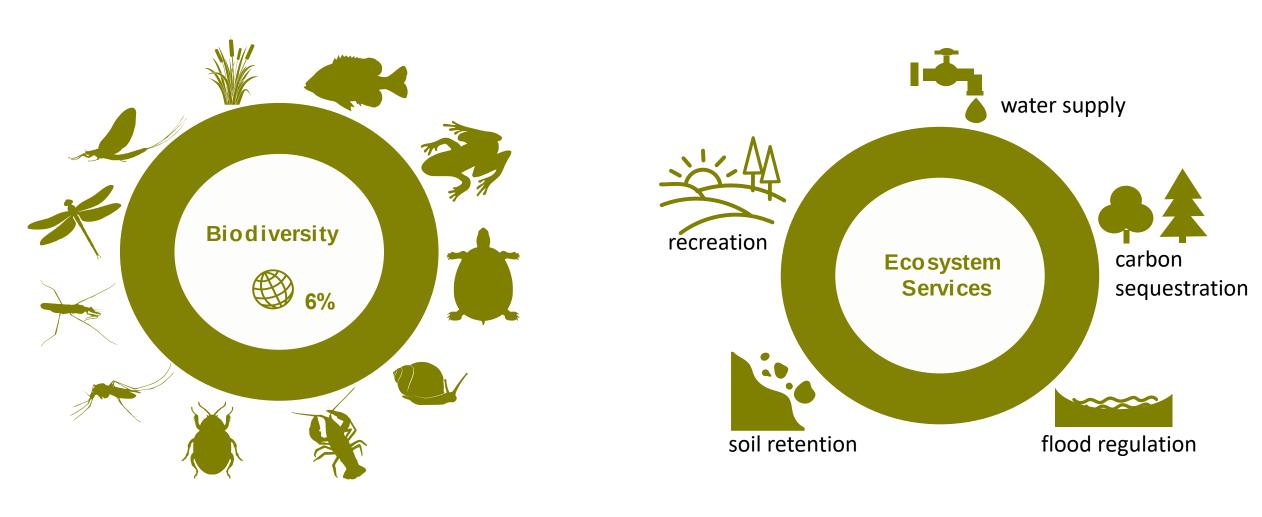
Distribution of freshwater biodiversity across Cuba



Importance of freshwater ecosystems







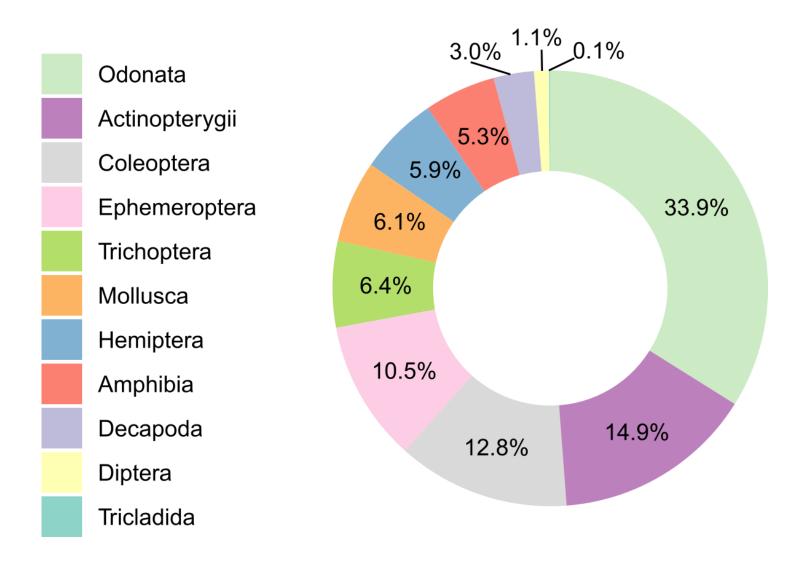
The "Wallacean shortfall" in biodiversity conservation



https://commons.wikimedia.org/wiki/File:Alfred_Russel_Wallace_engraving.jpg

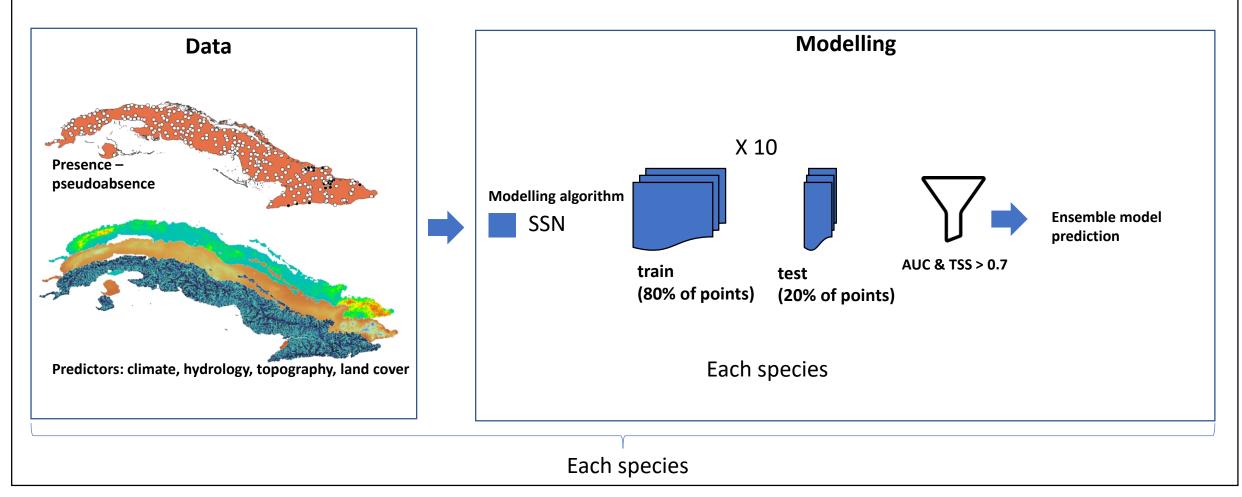
Alfred Russel Wallace (1823 - 1913)

"Lack of knowledge about the geographical distribution of species" (Lomolino 2004)

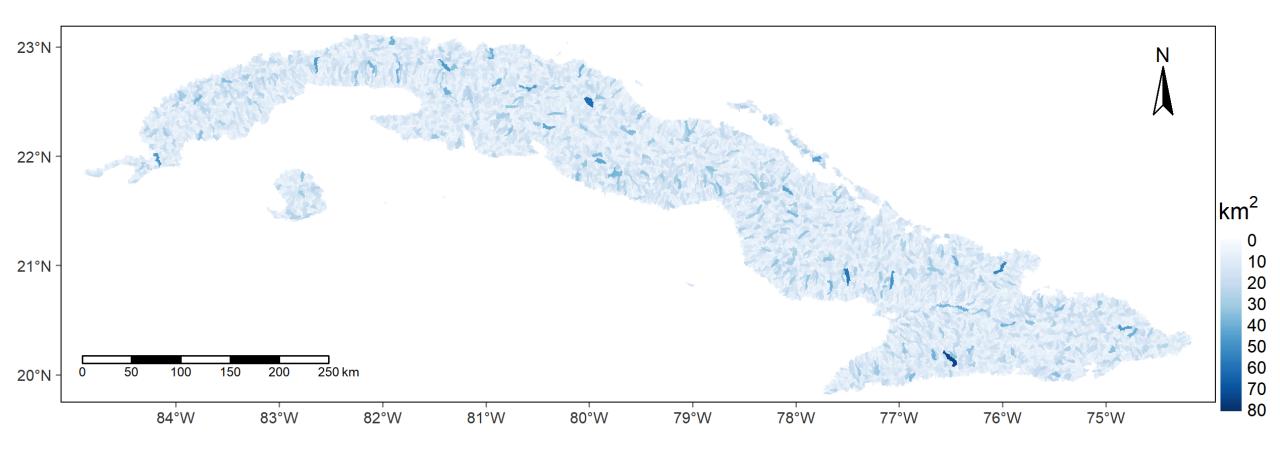


Dataset of freshwater macroinvertebrate and vertebrate species occurrences. Source: scientific literature, unpublished field records, museum collections, online databases.

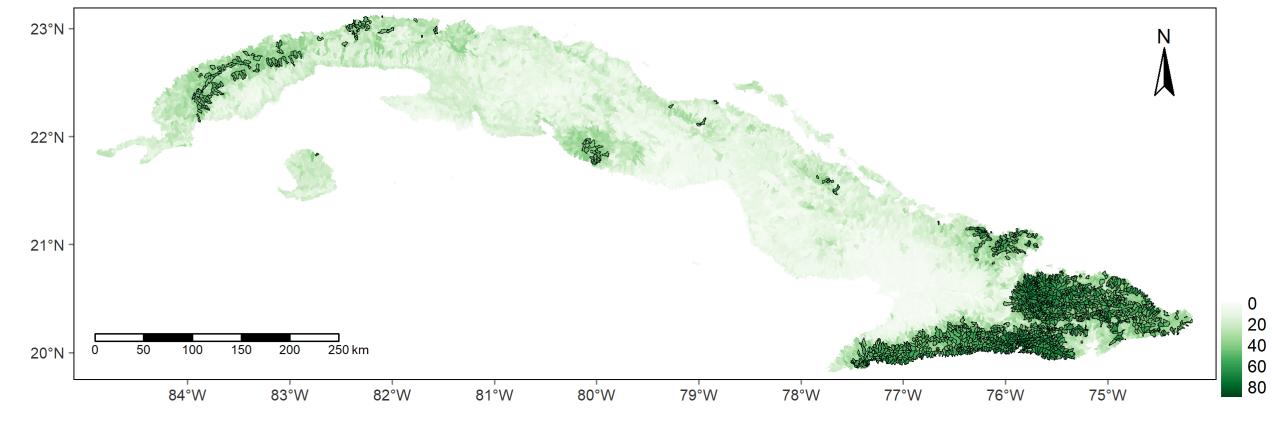
Species distribution modelling



Species distribution modelling workflow. SSN: Spatial Linear Stream Networks. Number of species: 131 (Ephemeroptera: 15, Odonata: 42, Hemiptera: 7, Trichoptera: 10, Coleoptera: 21, Decapoda: 4, Mollusca: 9, Actinopterygii: 18, Amphibia: 5).



Sub-basins (n = 15242) extracted with GRASS GIS and used as spatial units in all analysis



Richness of freshwater species across Cuba predicted with a Spatial Linear Stream Networks Model. Top 10 species richness sub-basins are outlined.