



Review of outcomes for biodiversity

Diana Bowler, Interdisciplinary Ecologist UK Centre for Ecology & Hydrology

UK Centre for Ecology & Hydrology











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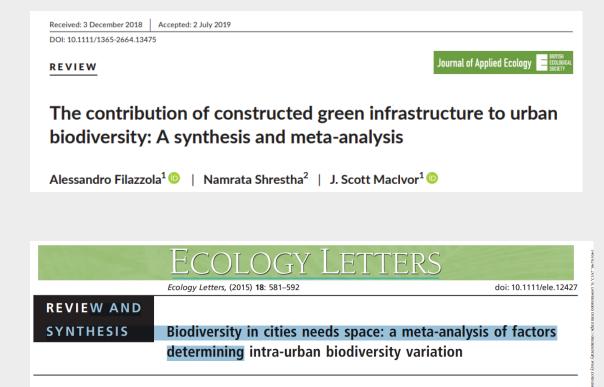
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Project Aims



» Focus on insects as our component of biodiversity





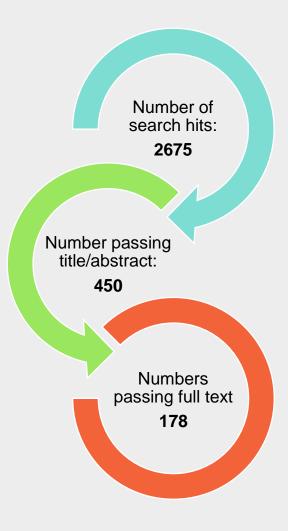
Abstract

Joscha Beninde,¹* Michael Veith¹ and Axel Hochkirch¹ Understanding varying levels of biodiversity within cities is pivotal to protect it in the face of global urbanisation. In the early stages of urban ecology studies on intra-urban biodiversity focused

Search Inclusion criteria



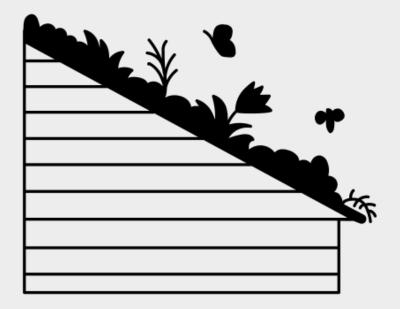
- » Searched for studies that measured:
 - insect richness, abundance or biomass
 - within an urban area following the typology of infrastructure of Jones et al.
 - within at least two types of locations within the urban area



Importance of the comparator



How do we measure the benefits to insects?



- Number of insects counted will depend on many factors including:
 - focal taxon group
 - sampling method
 - sampling effort
 - weather on day of sampling
 - geographic location of study site
 - landscape context

To assess the benefits, we need some reference level or comparator to control for these factors.

Study types: types of comparator

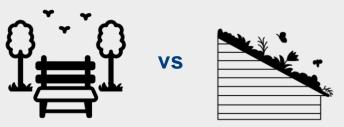


Urban green vs Urban non-green





Urban green type 1 vs Urban green type 2



Urban green type with feature A vs

Urban green type with feature B





Urban vs rural (or other non-urban land uses)





Study types: levels of evidence



Urban green vs Urban non-green



Urban green type 1 vs Urban green type 2



Urban green type with feature A vs

Urban green type with feature B



Urban vs rural (or other non-urban land uses)







Thanks for listening Comments to: diabow@ceh.ac.uk Diana Bowler, Interdisciplinary Ecologist UK Centre for Ecology & Hydrology

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