

Table S1: Search terms for additional searches relating to fire impacts on Scarabaeidae and Geotrupidae.

Bibliographic platform	Search terms
Web of Science, general	((<i>*fire* OR burn*</i>) AND (<i>scarab* OR "dung beetle"* OR geotrupidae OR aphodiinae</i>))
Scopus, general	((<i>*fire* OR burn*</i>) AND (<i>scarab* OR "dung beetle"* OR geotrupidae OR aphodiinae</i>))
Web of Science, habitat-specific	<p>((<i>savanna* OR cerrado OR miombo OR grassland OR steppe OR plain OR shrubland OR wetland OR peatland OR tundra OR desert OR prairie OR Mediterranean OR marsh OR swamp OR bog</i>) AND (<i>*fire* OR burn*</i>) AND (<i>scarab* OR "dung beetle"* OR geotrupidae OR aphodiinae OR coleoptera* OR beetle*</i>))</p> <p>Adding (<i>coast*OR sand* OR alpine OR montane OR mountain* OR alpine OR *altitude*</i>) to this search increased the number of results by ~1000. Due to resource limitations, namely time, this was not feasible. However, the following search: ((<i>coast* OR sand* OR mountain* OR montane* OR alpine OR *altitude*</i>) AND (<i>*fire* OR burn*</i>) AND (<i>scarab* OR "dung beetle"* OR geotrupidae OR aphodiinae</i>)) only returned 13 results. These articles were included.</p>
Scopus, habitat-specific	<p>((<i>savanna* OR cerrado OR miombo OR grassland OR steppe OR plain OR shrubland OR wetland OR peatland OR tundra OR desert OR prairie OR mediterranean OR marsh OR swamp OR bog</i>) AND (<i>*fire* OR burn*</i>) AND (<i>scarab* OR "dung beetle"* OR geotrupidae OR aphodiinae OR coleoptera* OR beetle*</i>))</p> <p>Adding (<i>coast*OR sand* OR alpine OR montane OR mountain* OR alpine OR *altitude*</i>) increased the number of results by ~500. However, ((<i>coast* OR sand* OR alpine OR montane OR mountain* OR alpine OR *altitude*</i>) AND (<i>*fire* OR burn*</i>) AND (<i>scarab* OR "dung beetle"* OR geotrupidae OR aphodiinae</i>)) only returned 11 results. These articles were included.</p>
Open Access Theses and Dissertations	(<i>Scarabaeinae, OR Aphodiinae, OR Geotrupidae, OR Scarabaeidae, OR "dung beetle"</i>) AND (<i>fire, OR burn</i>)
EBSCO Open Dissertations	(<i>Scarabaeinae, OR Aphodiinae, OR Geotrupidae, OR Scarabaeidae, OR "dung beetle"</i>) AND (<i>fire, OR burn</i>)
Conservation evidence	(<i>Scarabaeinae, OR Aphodiinae, OR Geotrupidae, OR Scarabaeidae, OR "dung beetle"</i>) AND (<i>fire, OR burn</i>) together with relevant searches using the refine search tool.

ROSES Flow Diagram for Systematic Reviews. Version 1.0 (Haddaway et al., 2017)

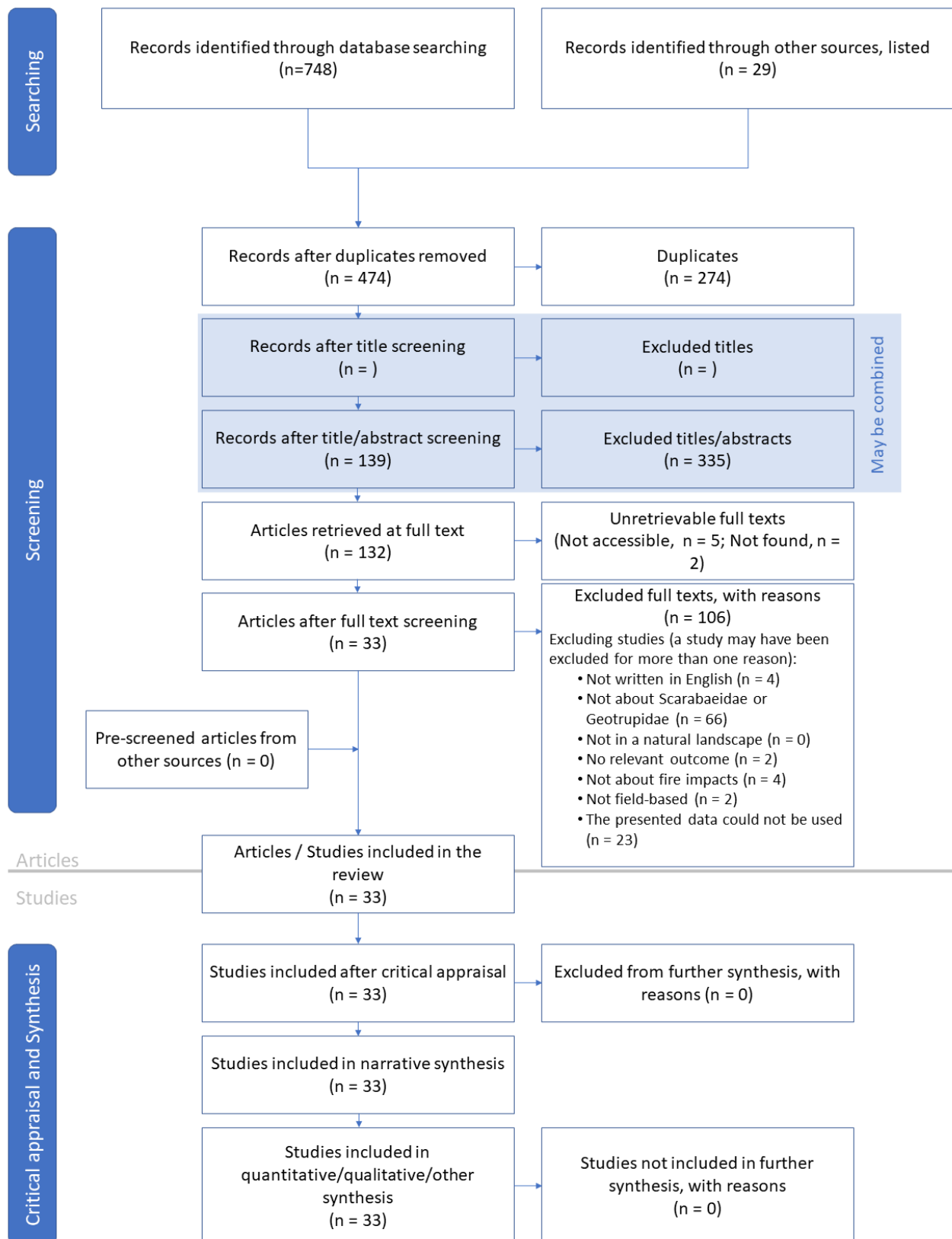


Figure S1: The number of articles included and excluded at each screening stage, critical appraisal and synthesis, with reasons (Haddaway *et al.*, 2017).

References

Haddaway NR, Macura B, Whaley P, and Pullin AS. 2017. ROSES flow diagram for systematic reviews. Version 1.0. DOI: [10.6084/m9.figshare.5897389](https://doi.org/10.6084/m9.figshare.5897389)