

# Mammal browsing management in a changing landscape

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Supervisors: Julianne O'Reilly-Wapstra, Geoff White and Dean Williams



# A global analysis of non-lethal mammal browsing control

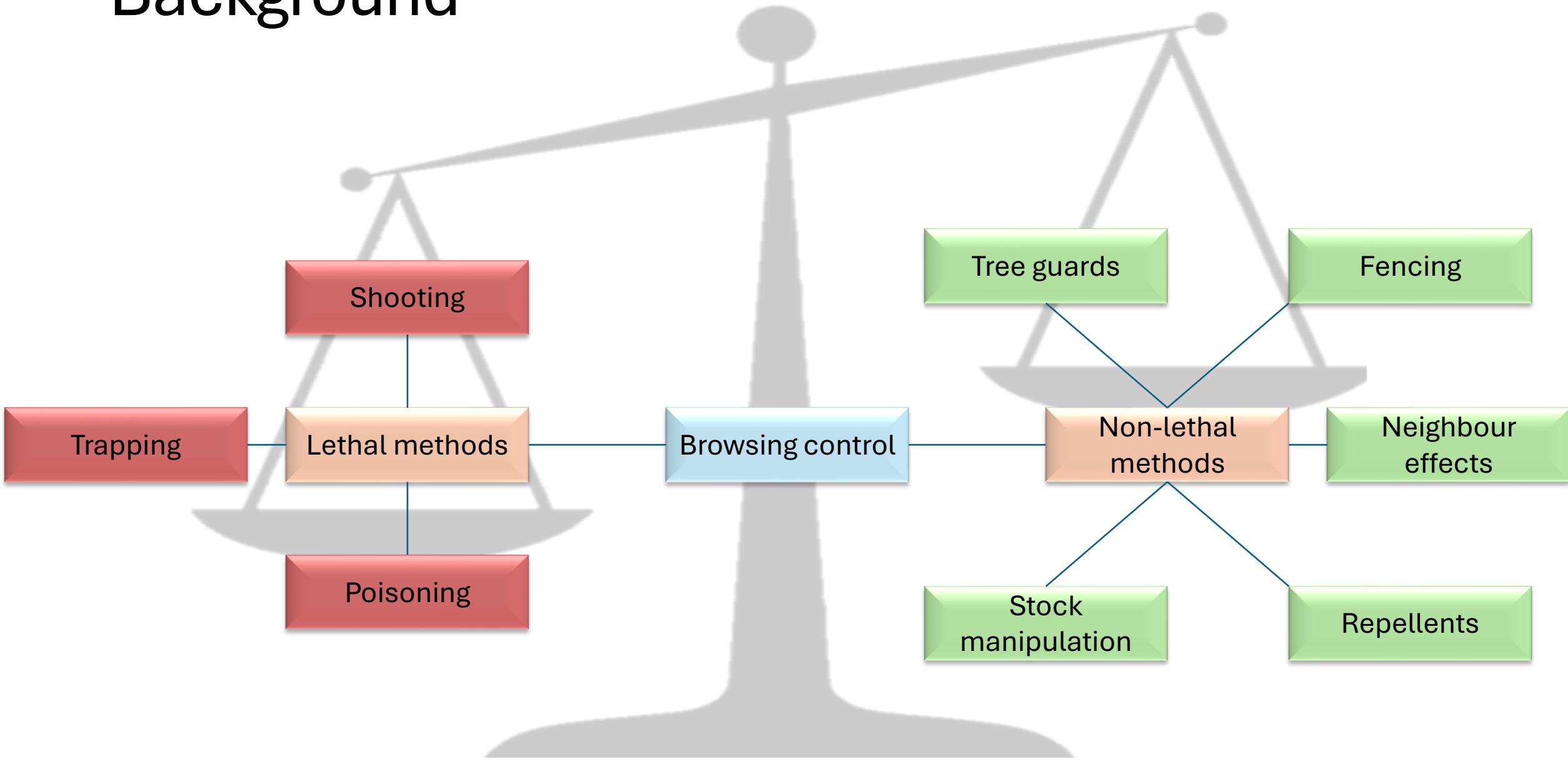


Nana Yaw Sarpong

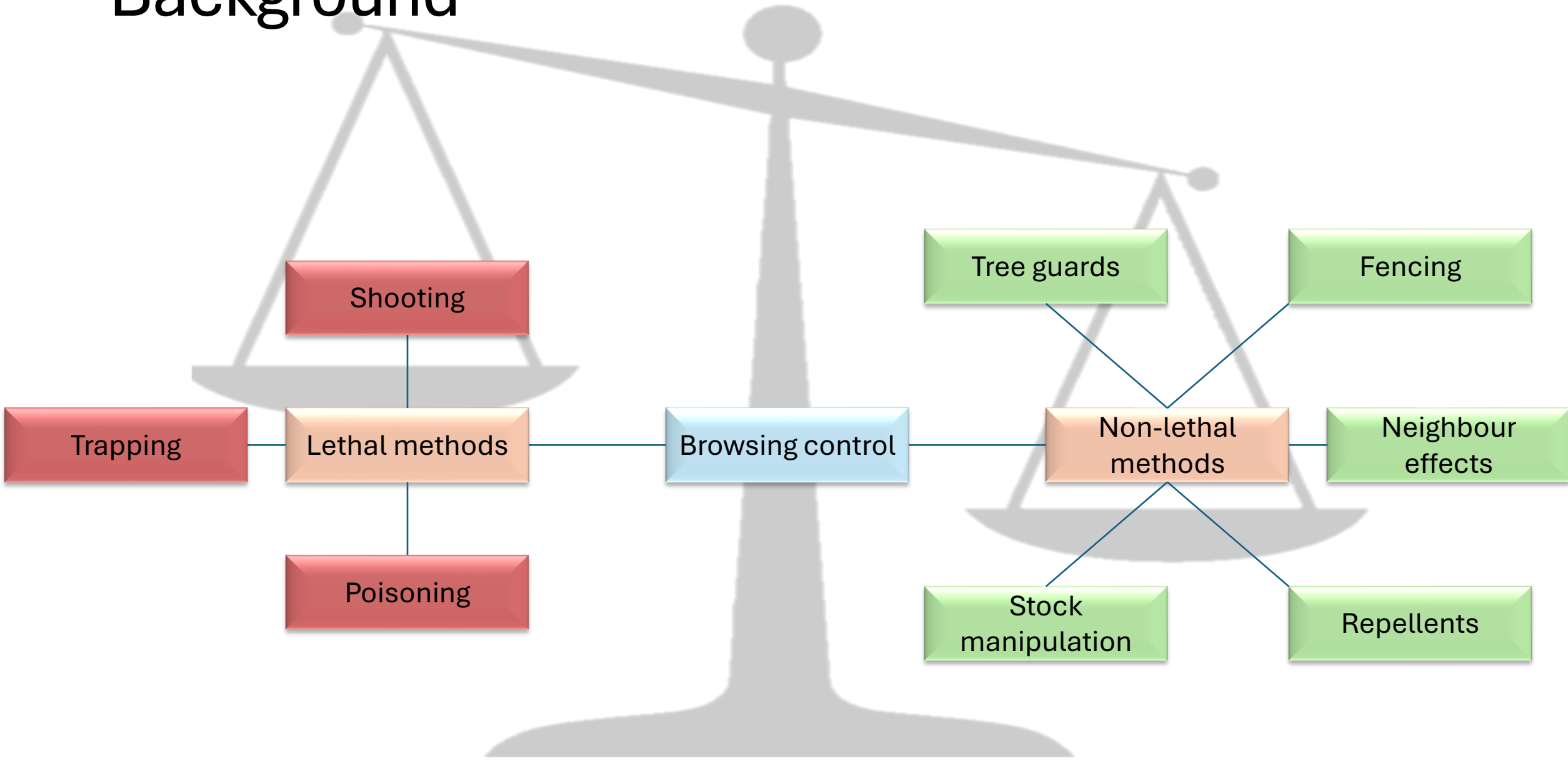


Meritt Herald

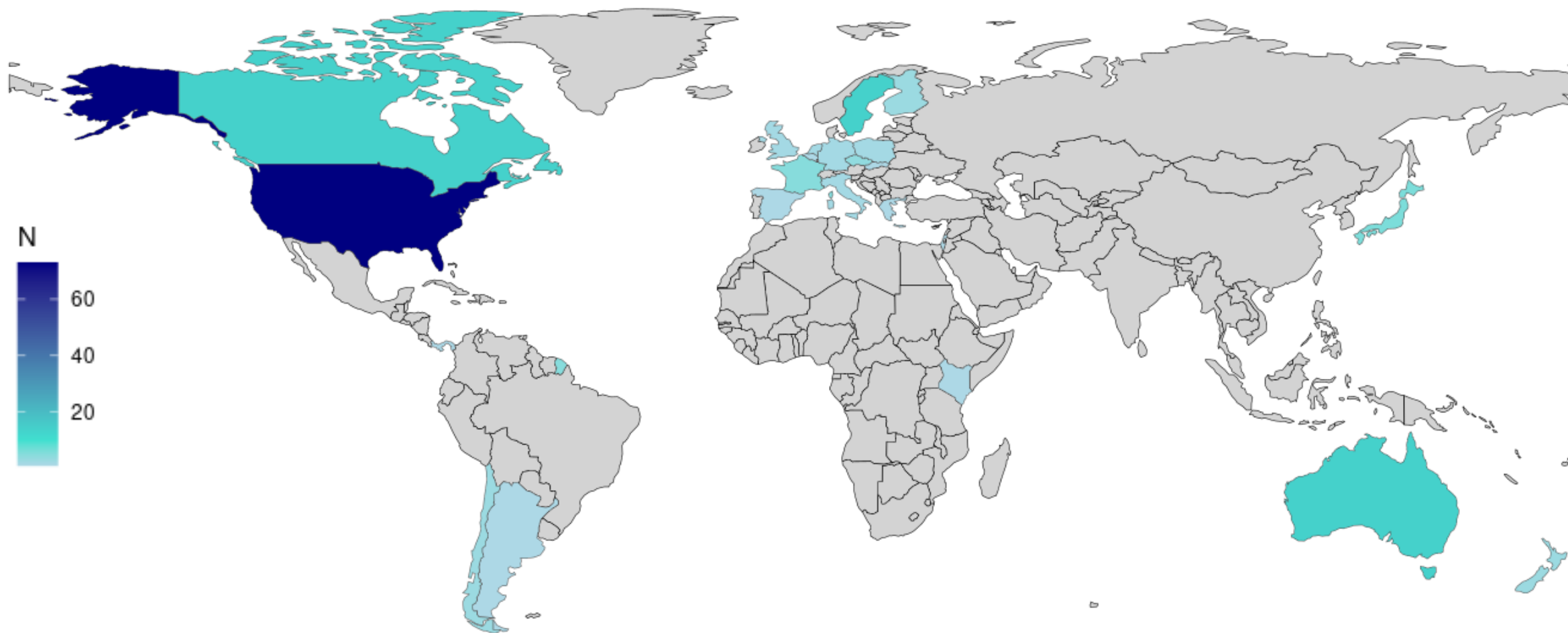
# Background



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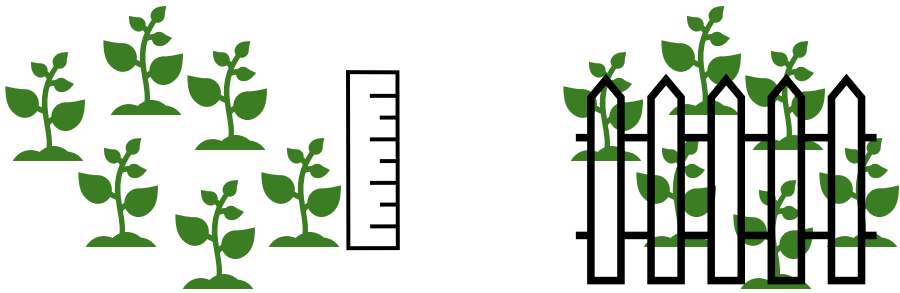


# Literature Synthesis





# Methodology



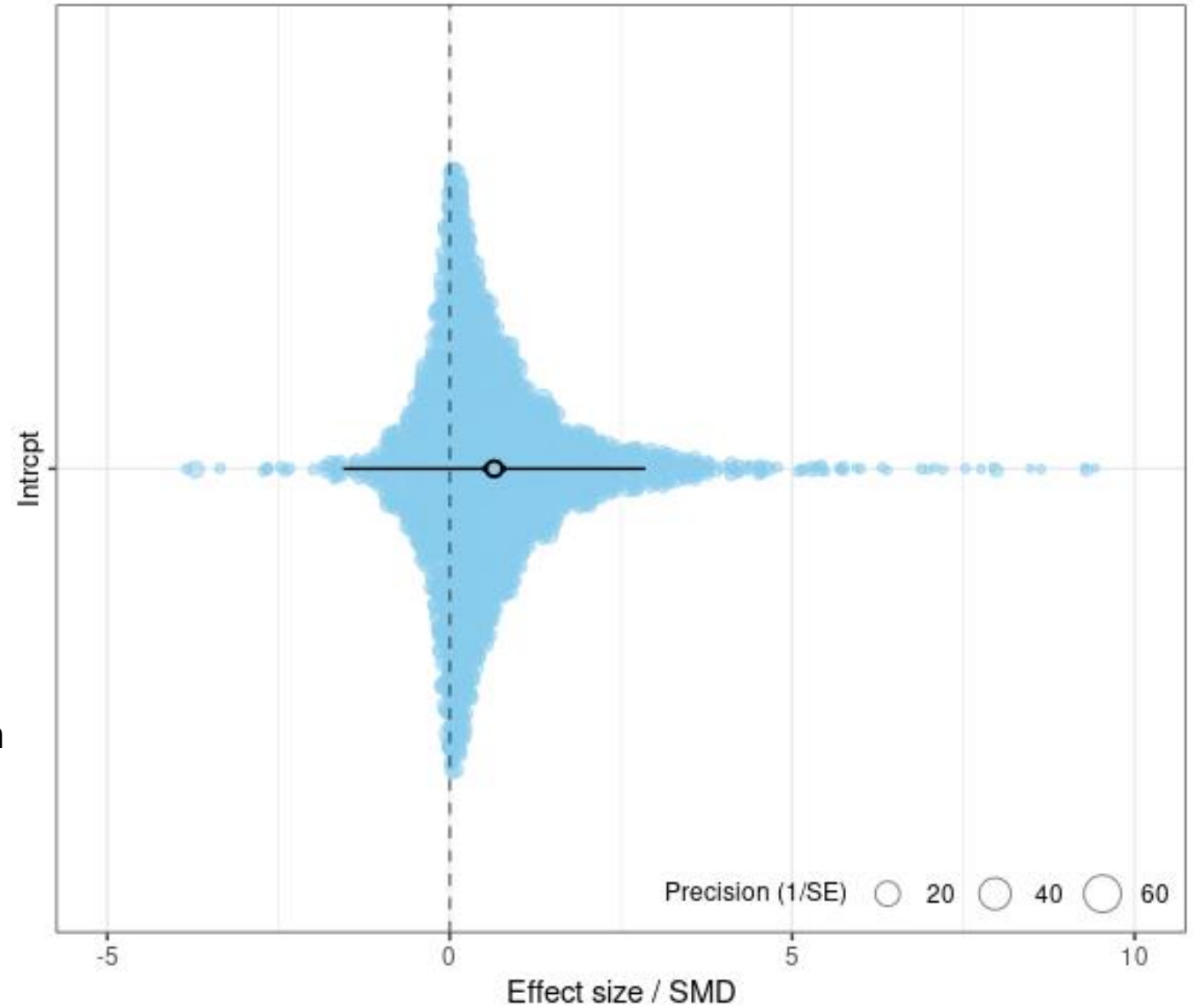
Control N + Control mean + Control SD

Vs

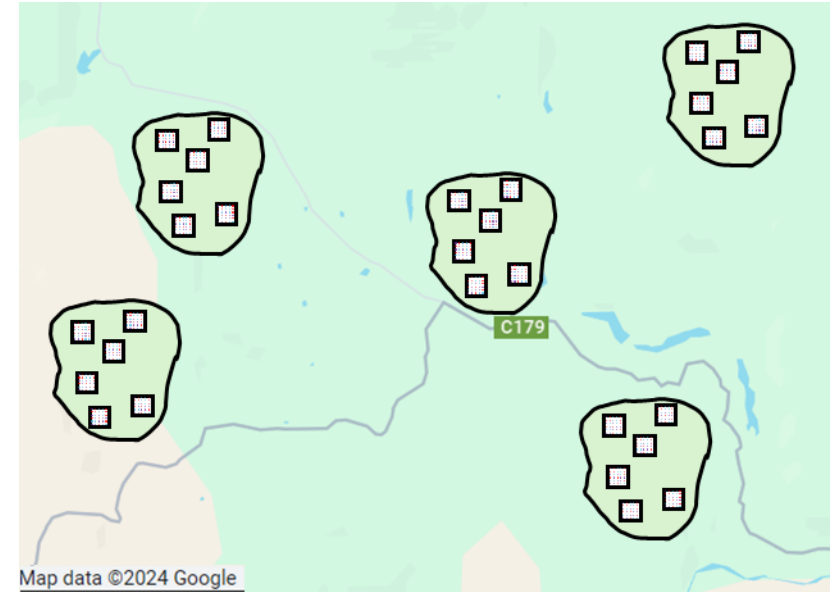
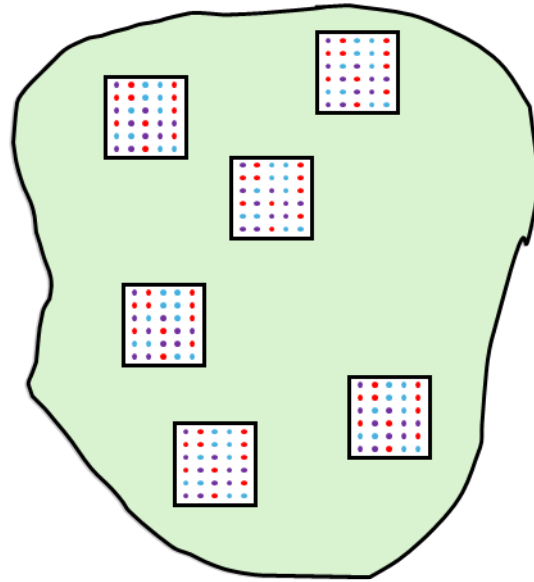
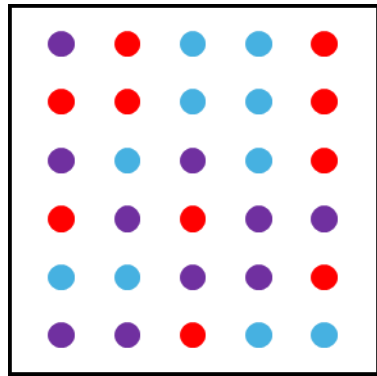
Treatment N + Treatment mean + Treatment SD



Effect size + Precision



# Different spatial scales



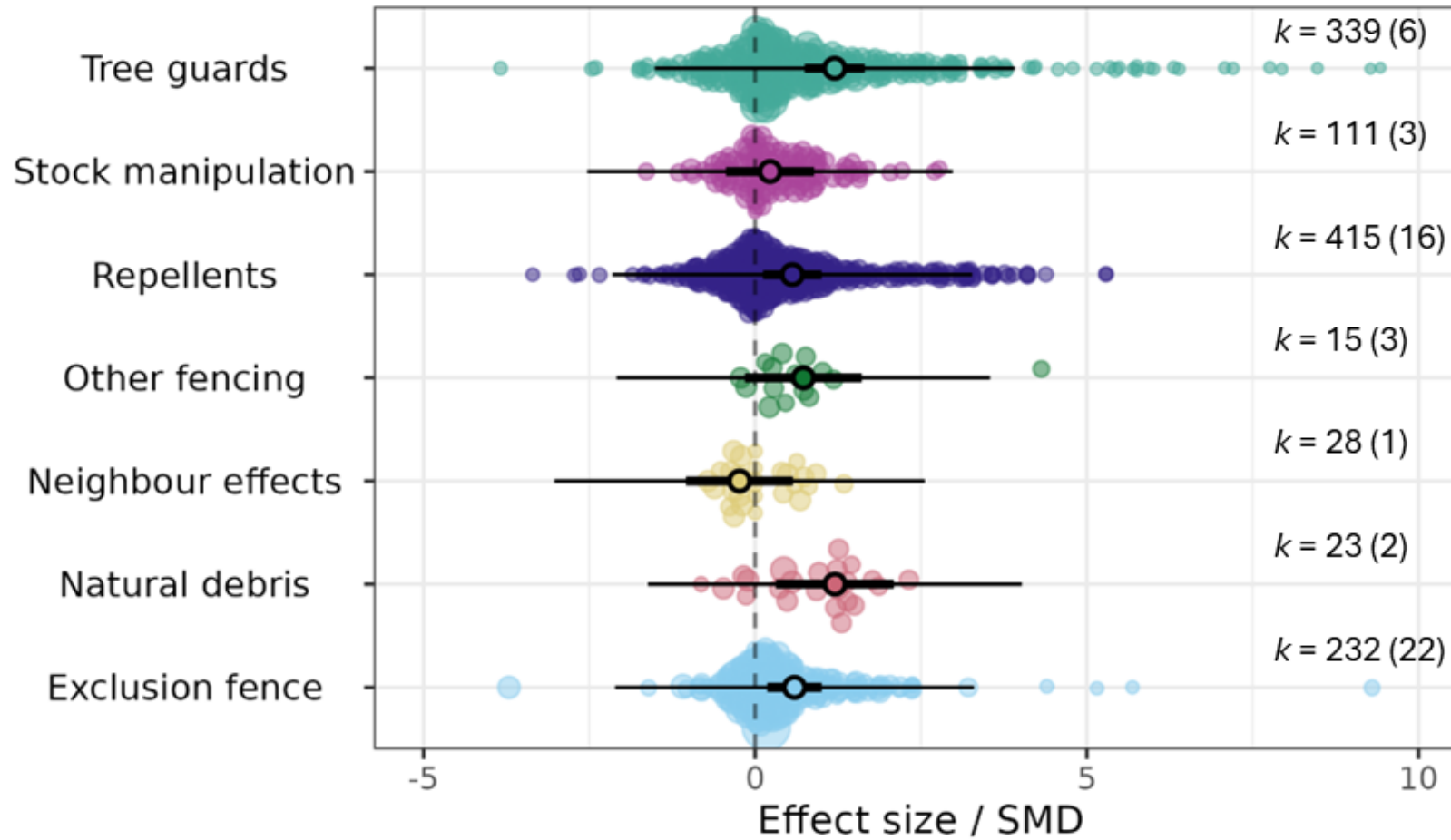
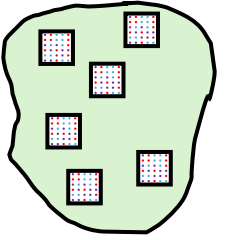
Plant

Coupe

Landscape

Increasing spatial Scale

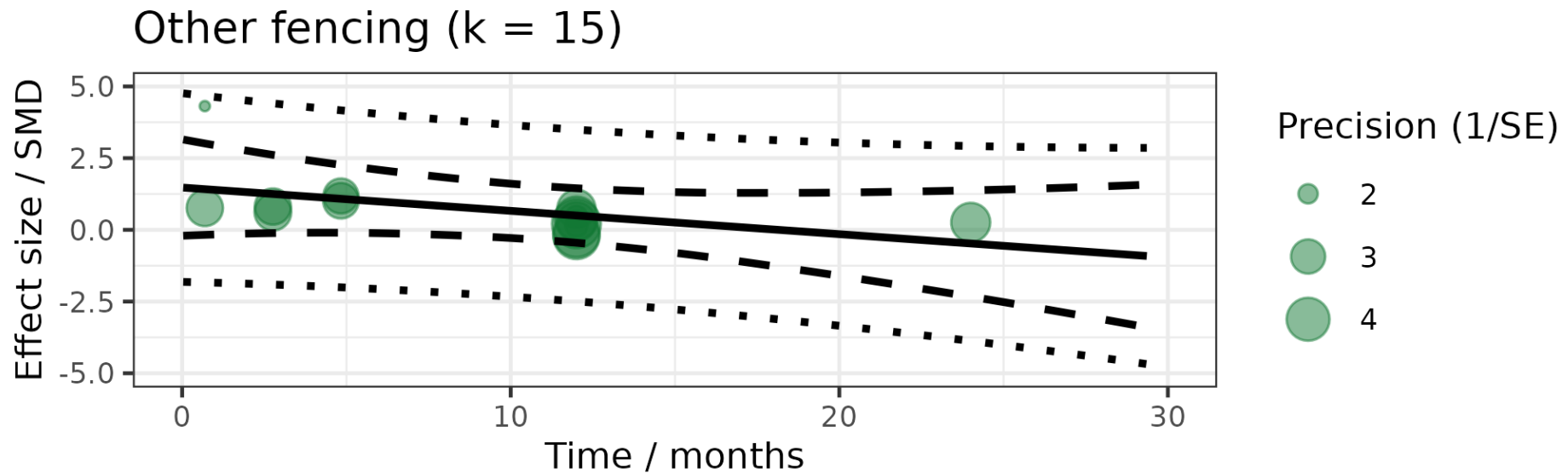
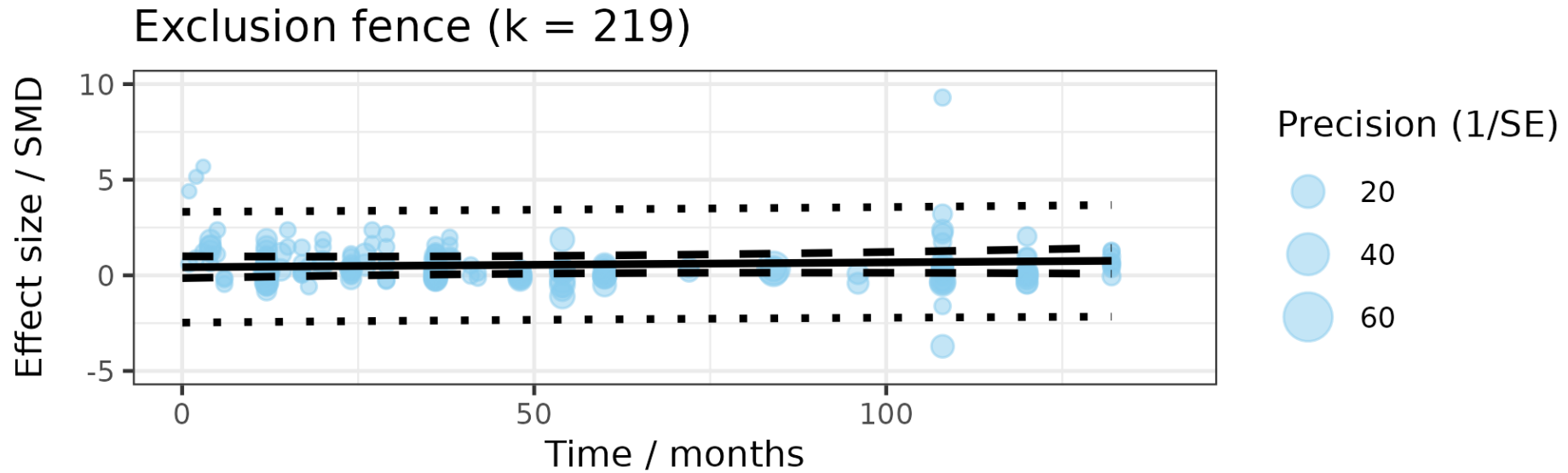
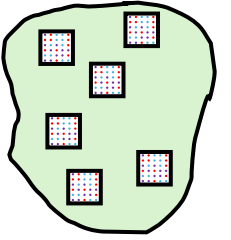
# Results – coupe scale



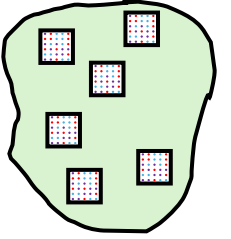
Precision (1/SE) ○ 20 ○ 40 ○ 60



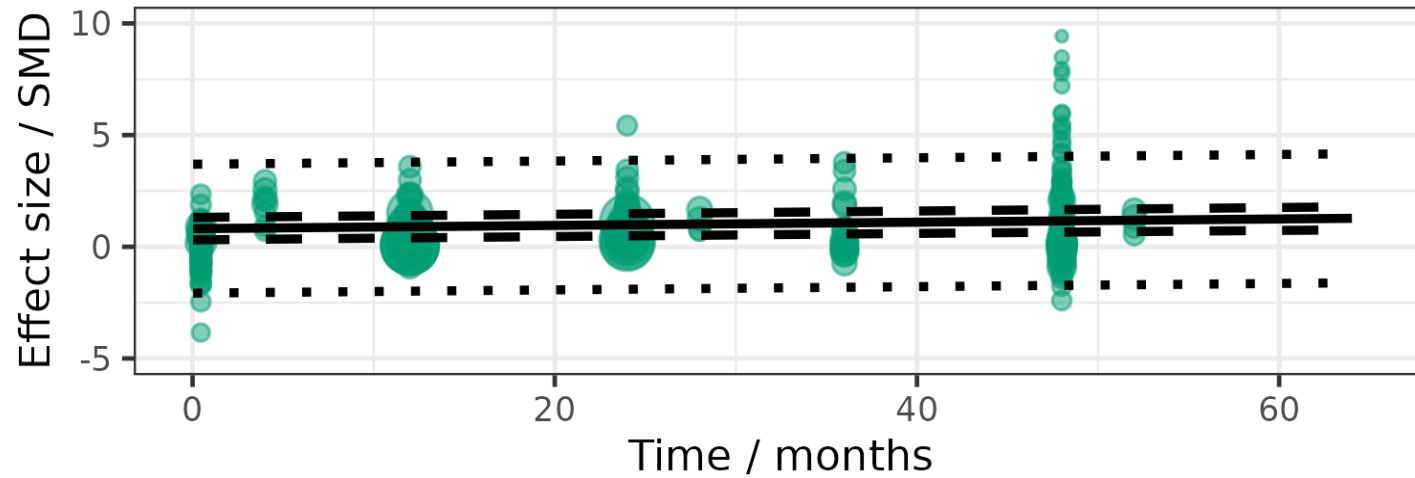
# Results – coupe scale



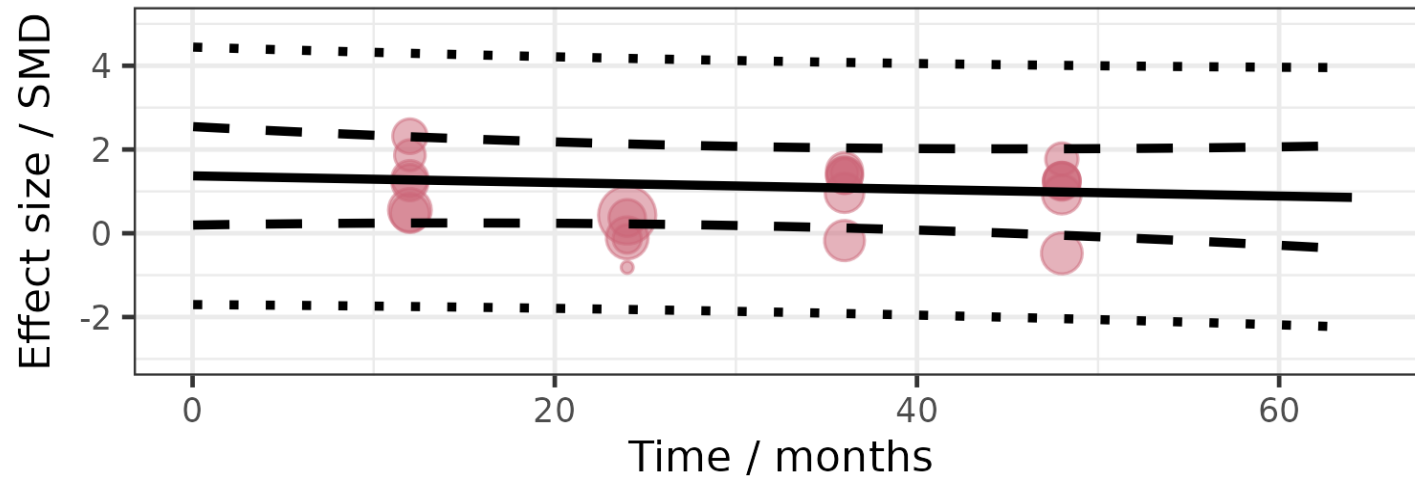
# Results – coupe scale



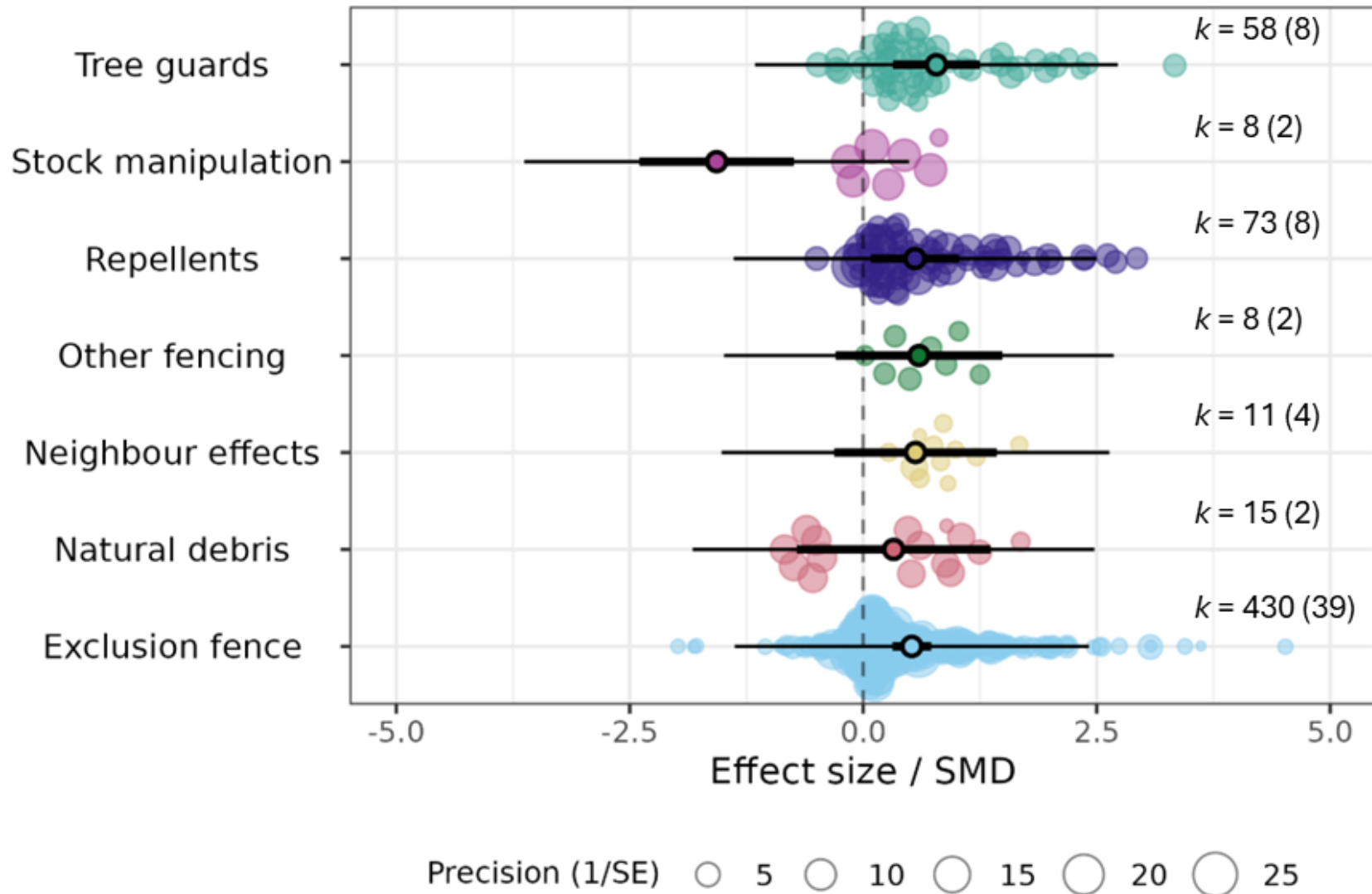
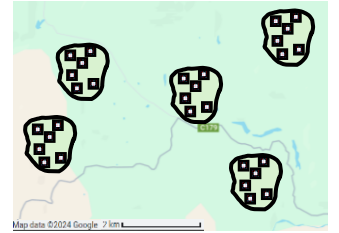
Tree guards (k = 339)



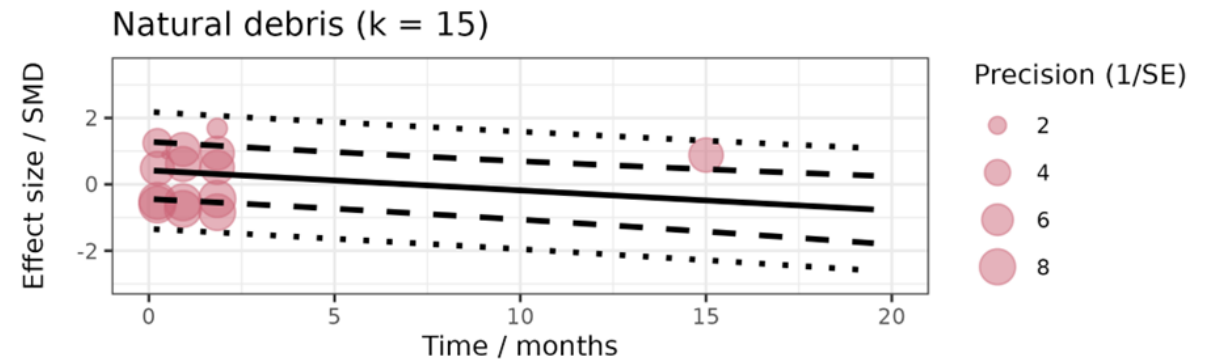
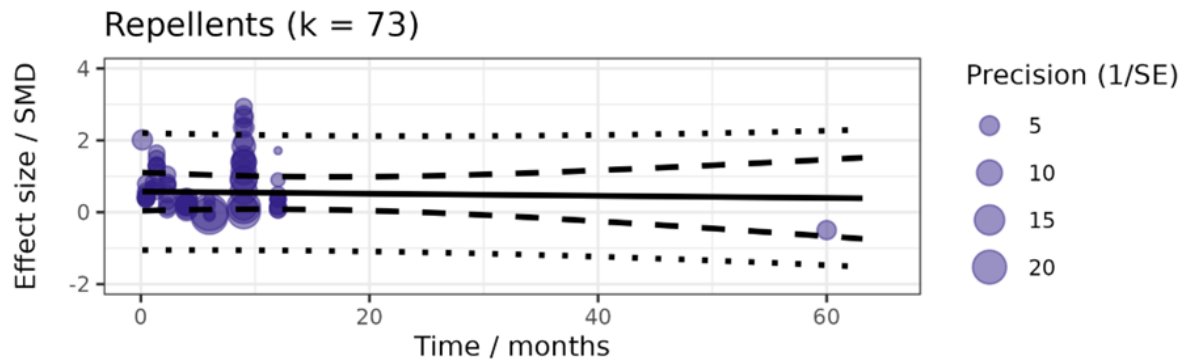
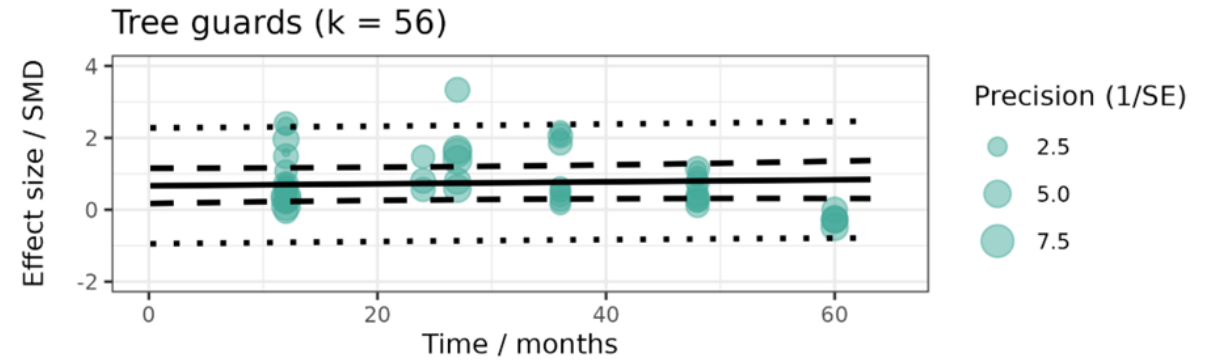
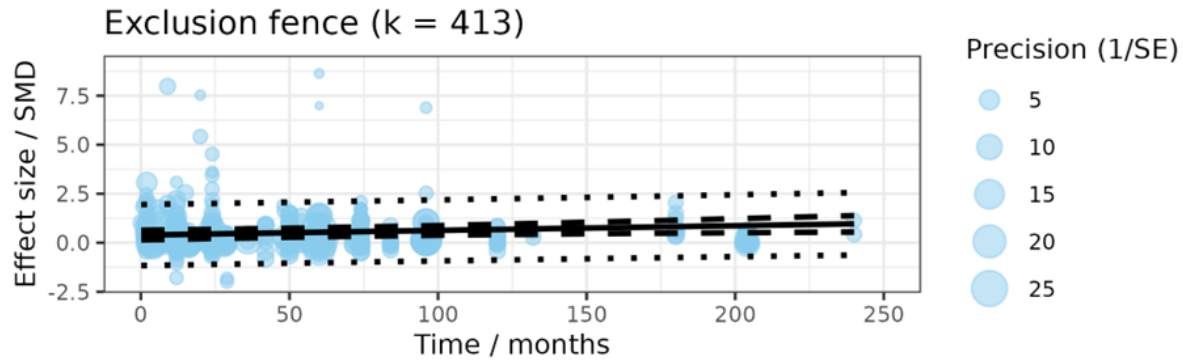
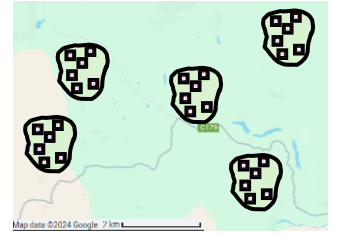
Natural debris (k = 23)



# Results – landscape scale



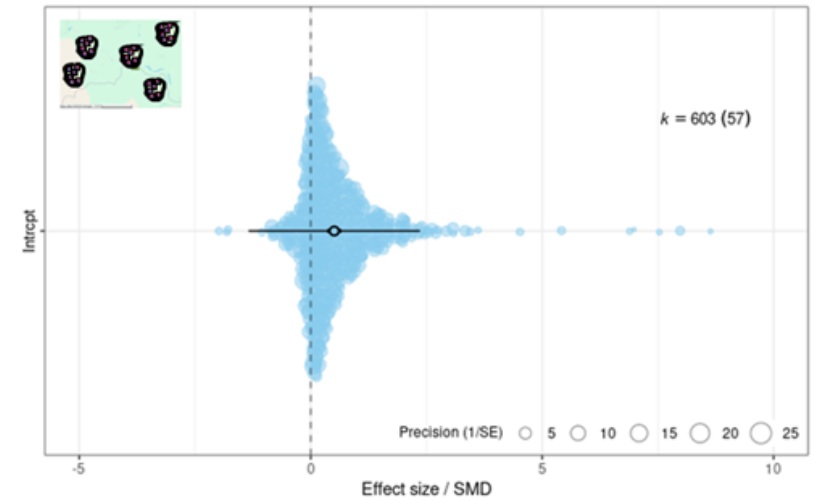
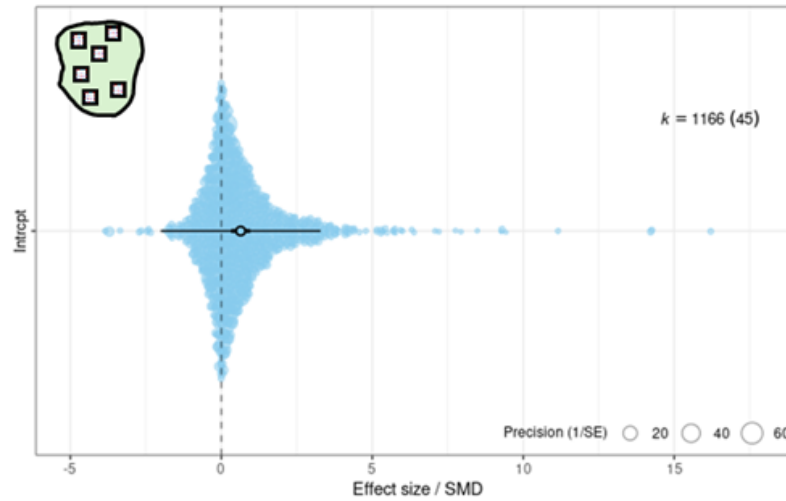
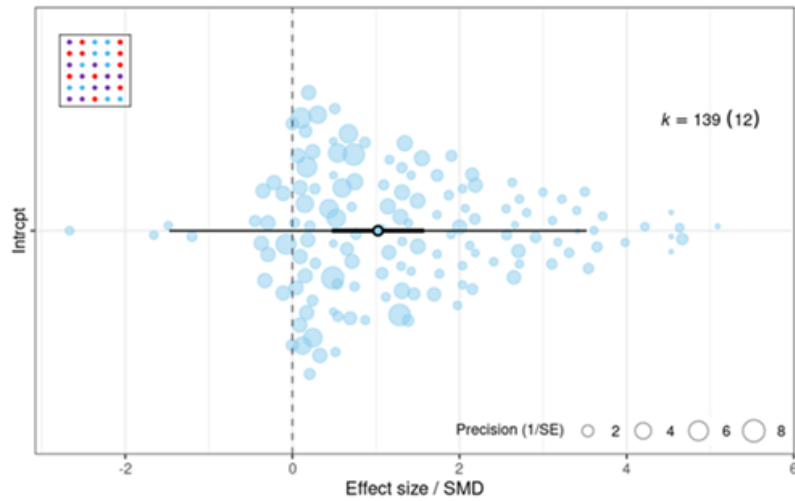
# Results – landscape scale



# Significance

Does non-lethal control work?

What next?




# Acknowledgements

- Gottstein Trust
- Dan Noble @ ANU
- BEER Group @ UTAS
- Rahil Amin @ DEEP Group, UTAS



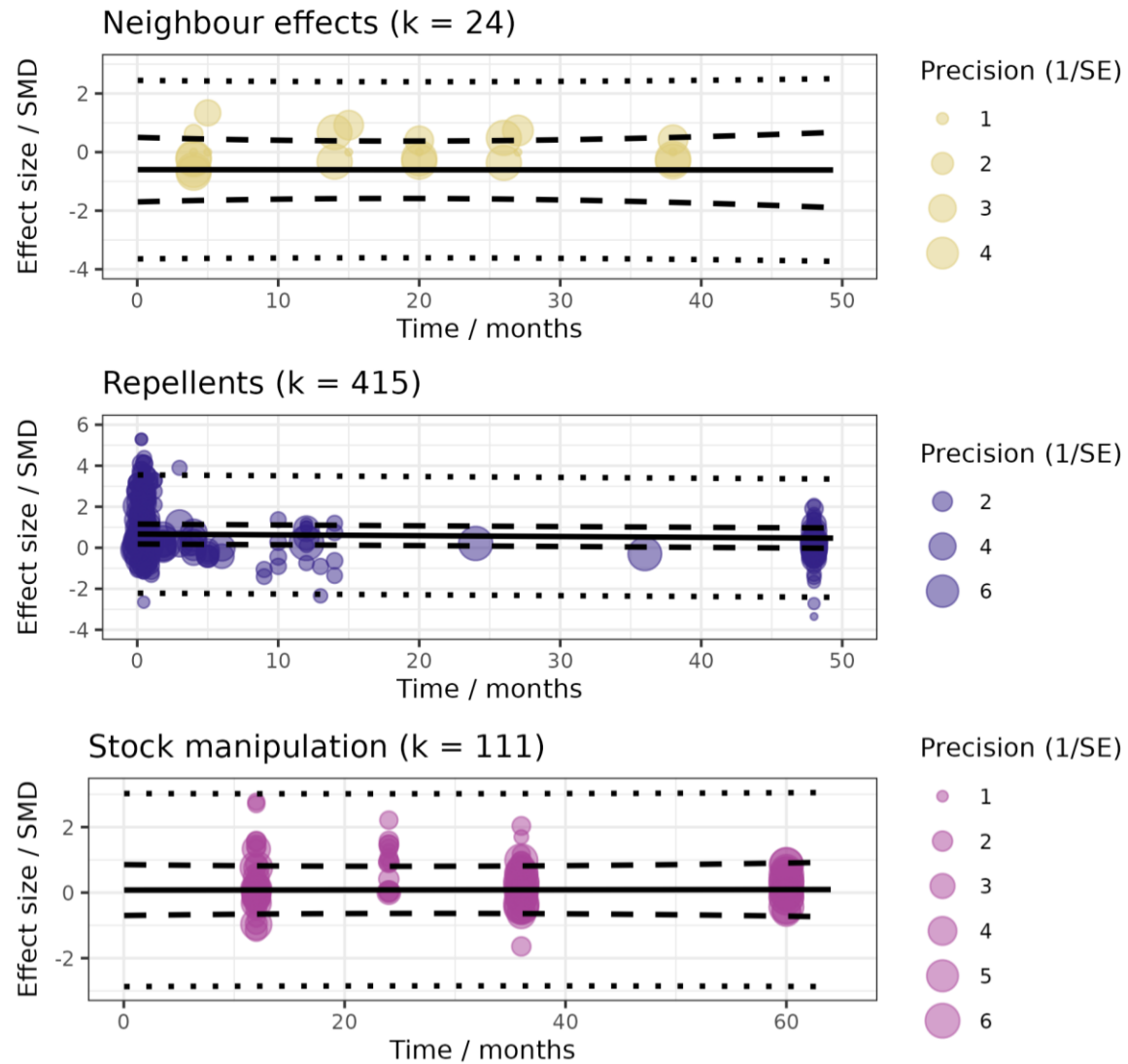
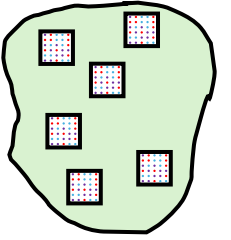




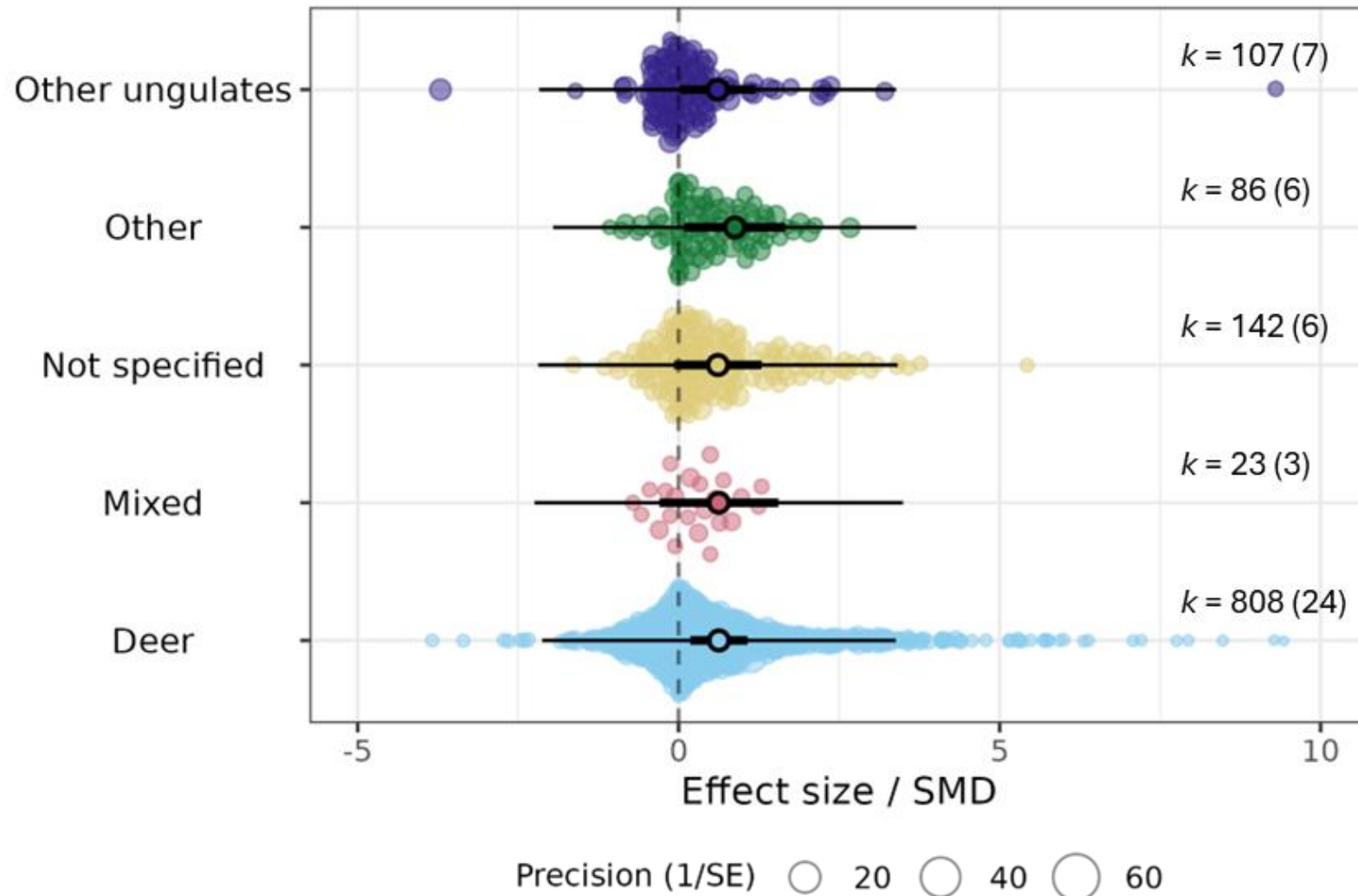
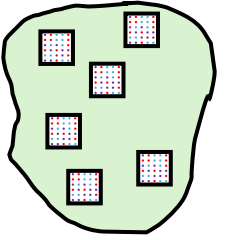
**Thank you, are there any  
questions?**

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# Results – coupe scale



# Results – coupe scale



# Results – landscape scale

