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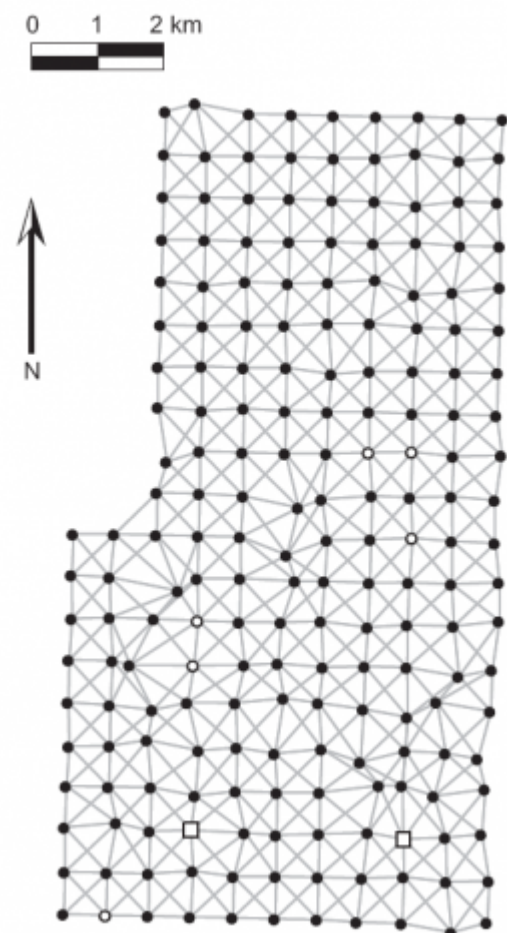
Carabid beetles from Canada

Source of data

Data were collected by Colin Bergeron (Bergeron et al. 2011, 2012). Dataset has been published in [Dryad data repository](#) as supplement to Blanchet et al. (2014), and is also included in the R library `ordiconsensus`.

Description of the dataset

Data about species composition of carabid beetles and surrounding vegetation structure. In the summer of 2002, 194 sites distributed on a near-regular grid were established in an area of 70 km² (Fig. 1). Each site was positioned in never-harvested mature forests, a minimum of 40 m away from any anthropogenic disturbance or major water bodies. On average, sites were 700 m apart, with a minimum distance between any two sites of 260 m. (Description according to Blanchet et al. 2013.)



Locality

EMEND study site located in northwestern Alberta, Canada (56°46'13"N, 118°22'28"W) on the southeast slopes of the Clear Hills formation. The site is dominated by boreal mixedwood forest. (Description according to Blanchet et al. 2013.)

Data for download

- [Carabid beetles in Canada.xlsx](#) - Excel file with all data.

Script for direct import of data to R

```
beetles <- read.delim
('https://raw.githubusercontent.com/zdealveindy/anadat-r/master/data/beetles
.txt', row.names = 1)
beetles.expl <- read.delim
('https://raw.githubusercontent.com/zdealveindy/anadat-r/master/data/beetle_
expl.txt', row.names = 1)
```

Alternatively, install the library `ordiconsensus` from R-Forge.org website, written by F.G.Blanchet. Data can be found in `data (beetle)` and `data (beetle.expl)`.

References

- Bergeron J.A.C., Spence J.R. & Volney W.J.A. (2011): Landscape patterns of species-level associations between ground-beetles (Coleoptera: Carabidae) and overstory trees in boreal forests of western Canada (Coleoptera: Carabidae). In: Erwin, T.L. (Ed.), *Proceedings of a Symposium honoring the careers of Ross and Joyce Bell and their contributions to scientific work, Burlington, VT, 12-15 June 2010*. *ZooKeys* 147: 577-600.
- Bergeron J.A.C., Blanchet F.G., Spence J.R. & Volney W.J.A. (2012): Ecosystem classification and inventory maps as surrogates for ground beetle assemblages in boreal forest. *Journal of Plant Ecology* 5: 97-108.
- Blanchet, F.G., Bergeron J.A.C., Spence J.R. & He F. (2013): Landscape effects of disturbance, habitat heterogeneity and spatial autocorrelation for a ground beetle (Carabidae) assemblage in mature boreal forest. *Ecography* 36: 636-647.
- Blanchet F.G., Legendre P., Bergeron J.A.C., Spence J.R. & He F. (2014): Consensus RDA across dissimilarity coefficients for canonical ordination of community composition data. *Ecological Monographs* 84: 491-511.

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