OSCARS
Open Science Clusters' Action for Research & Society

Funded Project

RISKY - wildlife mortality from energy and transport infrastructure

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Implemented by

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- **Energy and transport infrastructure** are widespread across landscapes and are expanding globally;

- **Millions of terrestrial vertebrates** are killed by collisions or electrocutions caused by energy and transport infrastructure;

- **The vast majority of scientific publications** do not share the locations of collisions and electrocutions;

- **Urgent** need to consolidate and maximize available information to support wildlife-friendly infrastructure development.
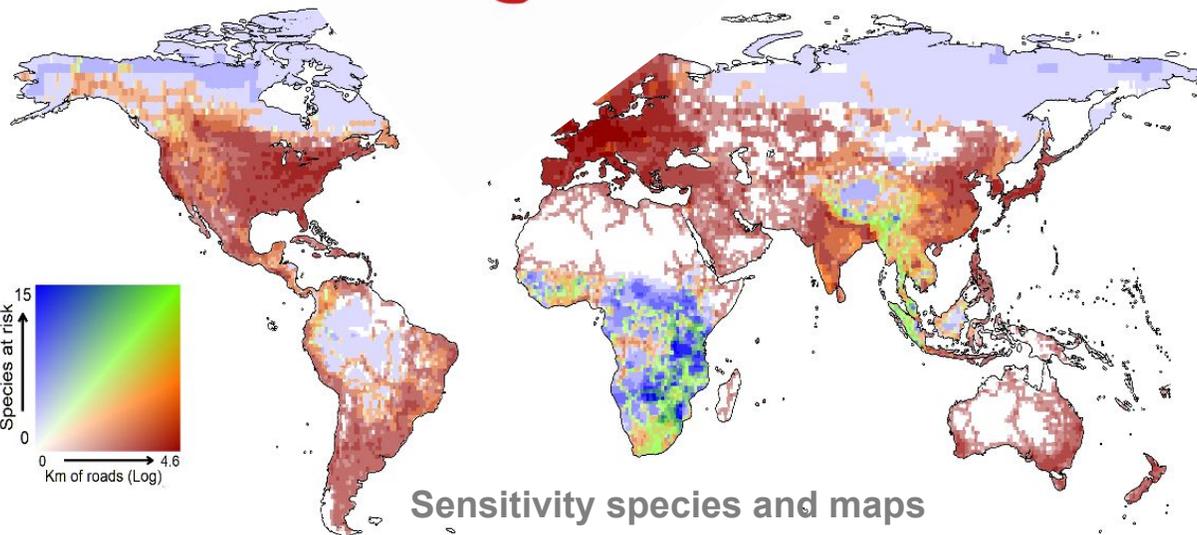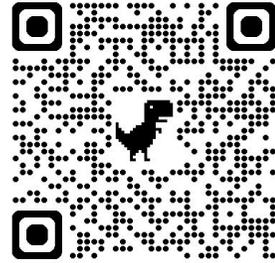
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RISKY

Web-platform

Open-access Mortality Data

User-friendly Analytical tools

Species at risk 0–15

Km of roads (Log) 0 – 4.6

Sensitivity species and maps

RISKY

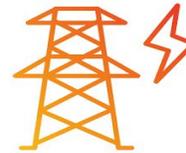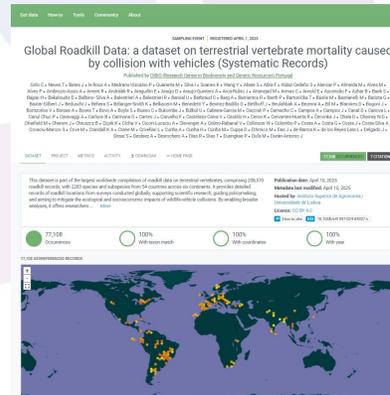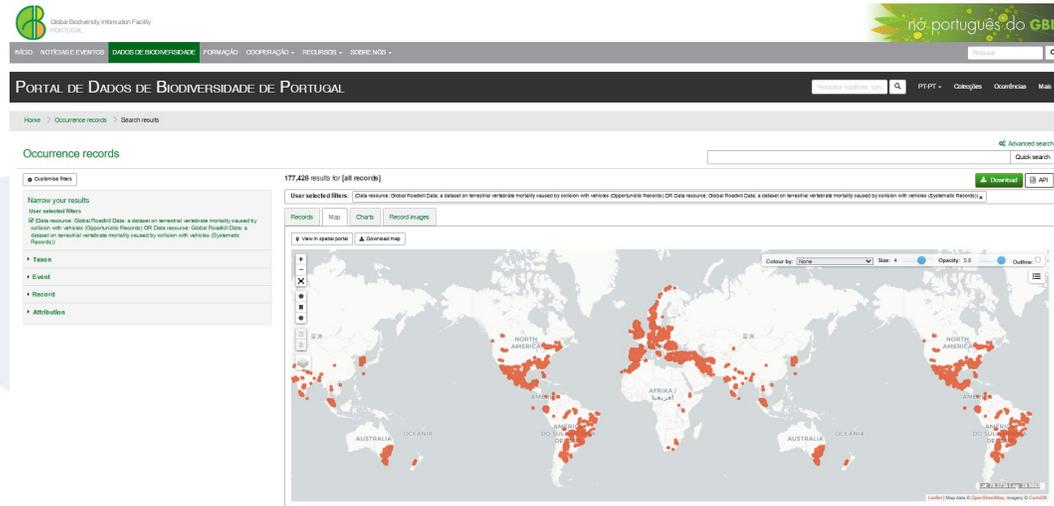## Scientific outcomes

Webplatform

Temporarility available at
https://registos.gbif.pt/occurrence/search?q=*%3A*&qc=-_nest_parent_%3A*&fq=(data_resource_uid%3A%22dr0%22%20OR%20data_resource_uid%3A%22dr12%22)#tab_mapView

Roadkill datasets

Available at the webplatform and GBIF

https://www.gbif.org/dataset/65908f95-5ab6-48d9-bf6d-6da274ed730e

+ 90 authors
+ 60 countries
+ 36 000 records

+ 76 authors
+ 23 countries
+ 33 000 records

+ 30 authors
+ 11 countries
+ 39 600 records

https://www.gbif.org/dataset/d3b6cb30-0a64-4f82-91ea-0bb14637ee17

RISKY

Analytical tools

Mortality RISK [code will be available in GitHub]
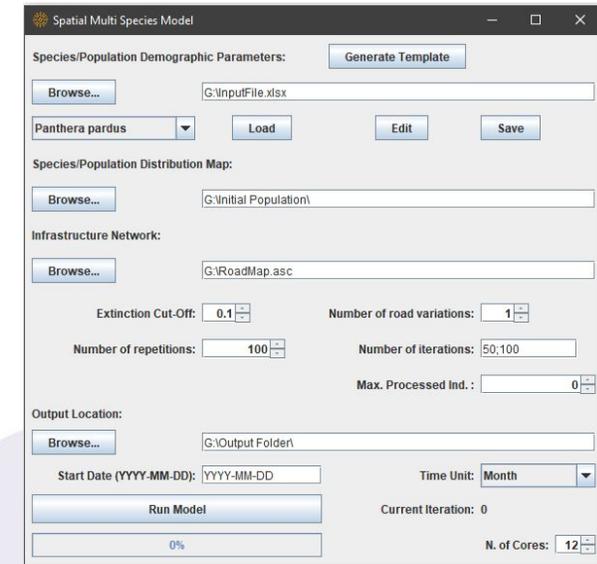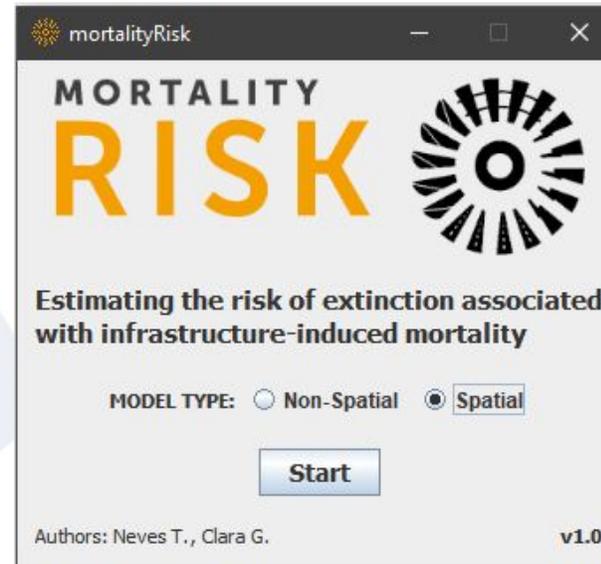
Publications

Grilo, C., Neves, T., Bates, J. et al. (2025) Global Roadkill Data: a dataset on terrestrial vertebrate mortality caused by collision with vehicles. Sci   Data 12, 505 https://doi.org/10.1038/s41597-024-04207-x

Neves T. & Grilo C. (in review). mortalityRISK: a tool for estimating wildlife extinction   risk associated with mortality caused by infrastructures. Methods in   Ecology and Evolution.
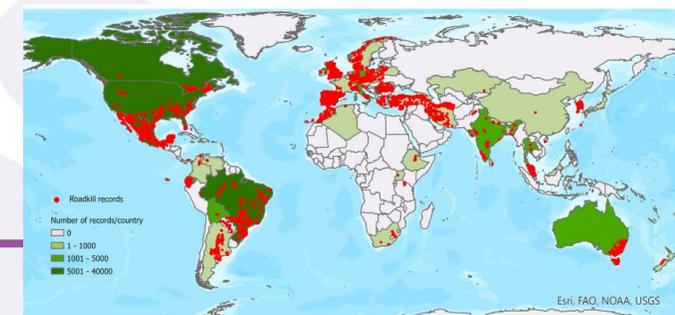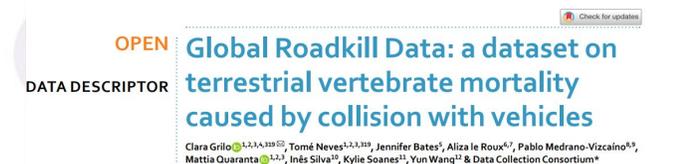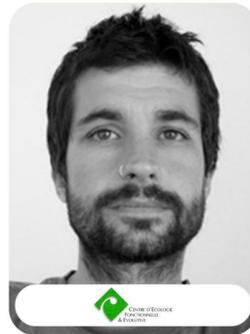
RISKY

Project team members

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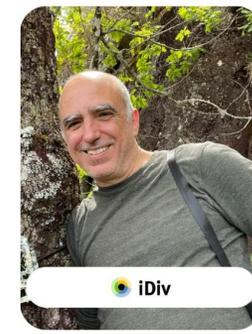
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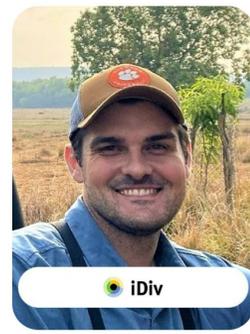
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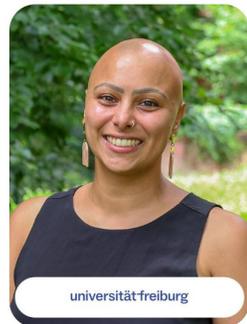
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