



OSCARS

Open Science Clusters' Action
for Research & Society

Funded Project

RISKY - wildlife mortality from energy and transport infrastructure

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Implemented by



Funded by
the European Union

- **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.



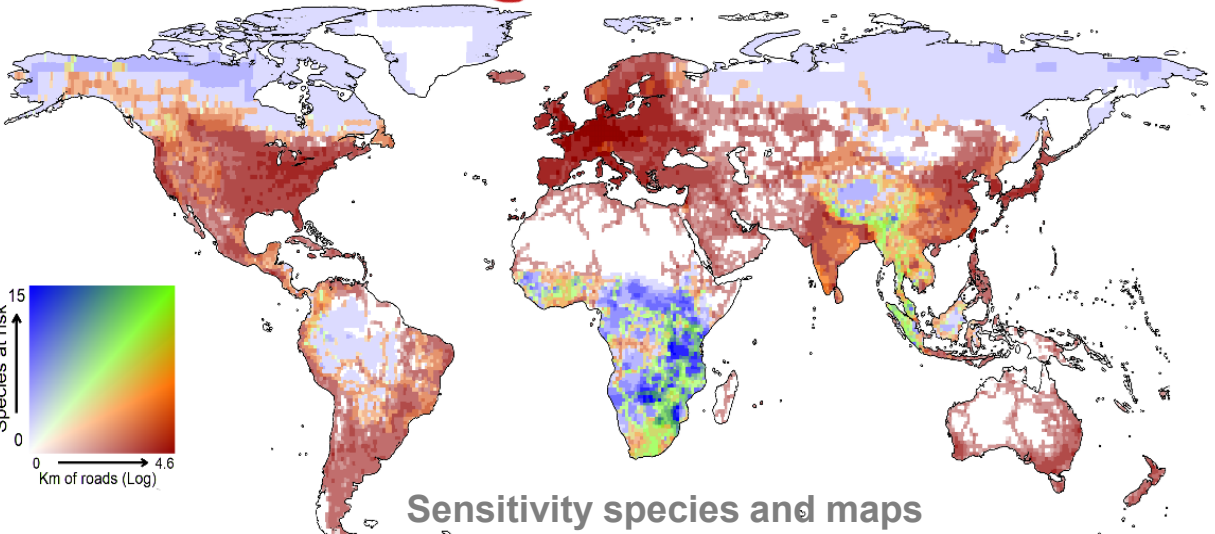
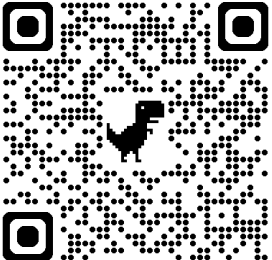
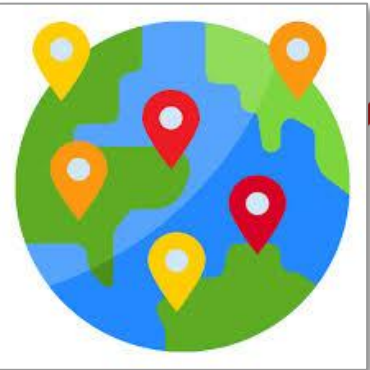
RISKY



Open-access Mortality Data

Web-platform

User-friendly Analytical tools



Sensitivity species and maps

RISKY



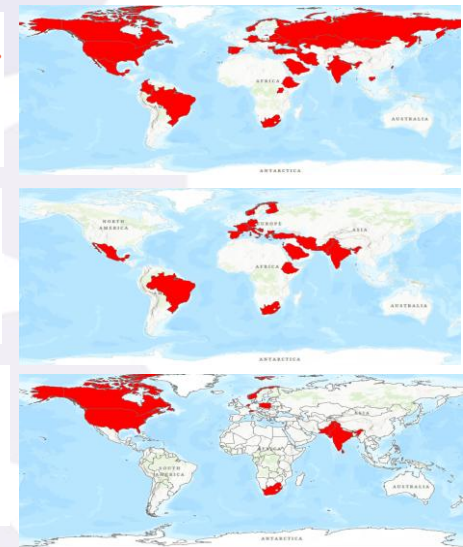
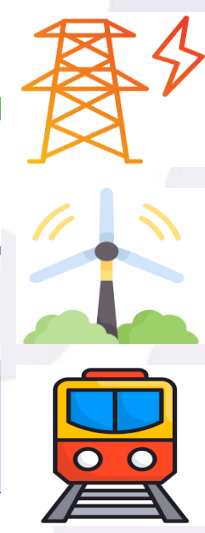
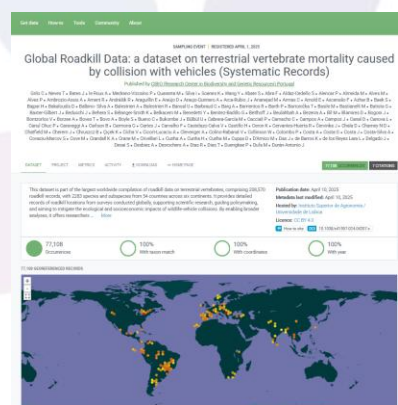
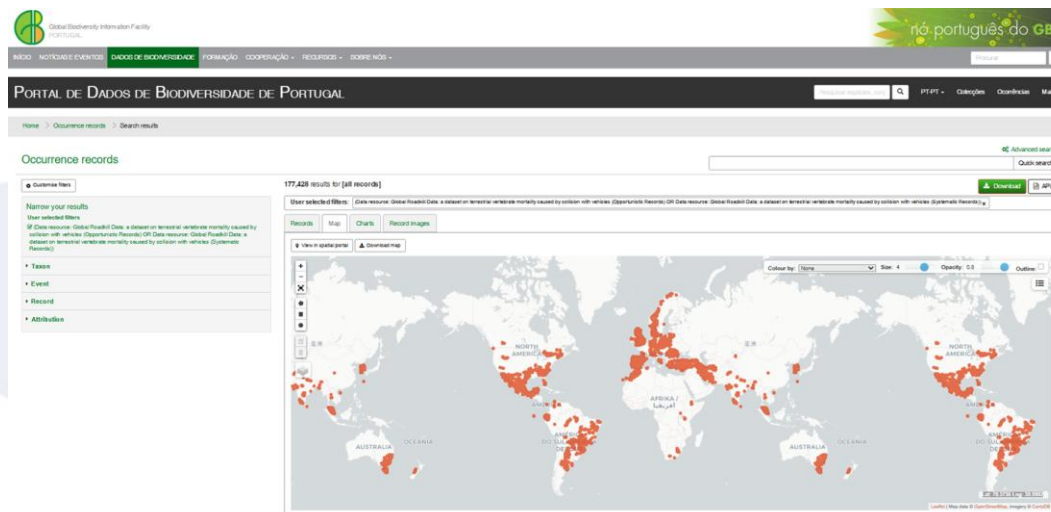
Scientific outcomes

Webplatform

Temporarily 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](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>
<https://www.gbif.org/dataset/d3b6cb30-0a64-4f82-91ea-0bb14637ee17>



- + 90 authors
- + 60 countries
- + 36 000 records

- + 76 authors
- + 23 countries
- + 33 000 records

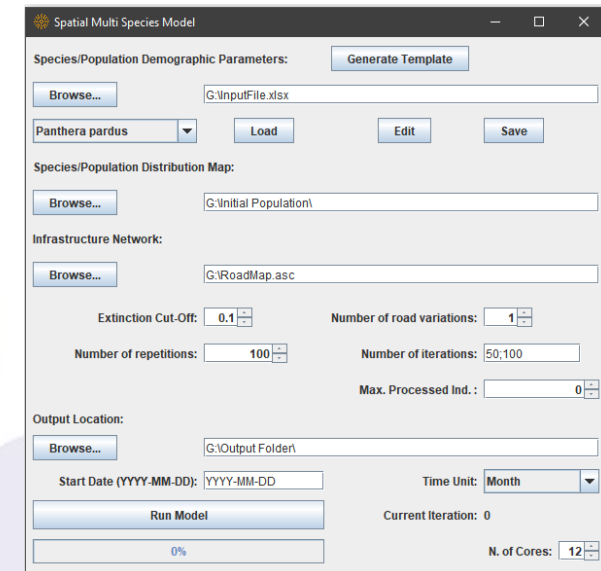
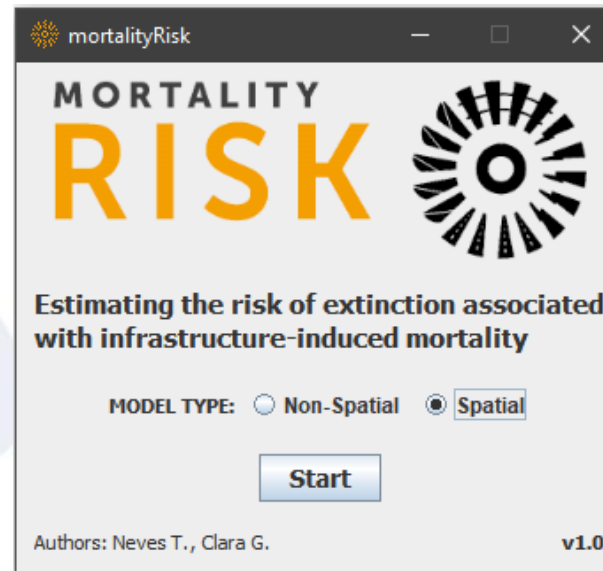
- + 30 authors
- + 11 countries
- + 39 600 records

RISKY



Analytical tools

Mortality RISK [code will be available in GitHub]

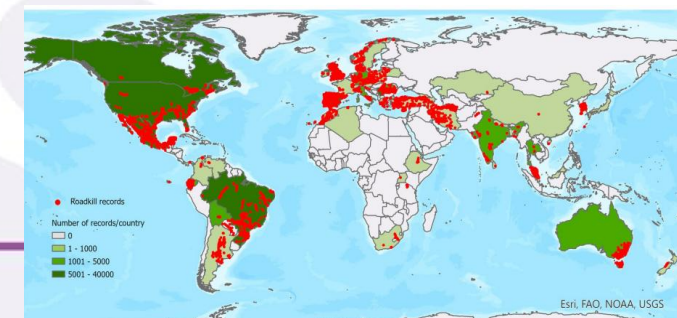
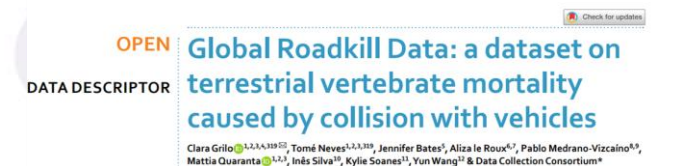


Publications

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*.

scientific data



RISKY

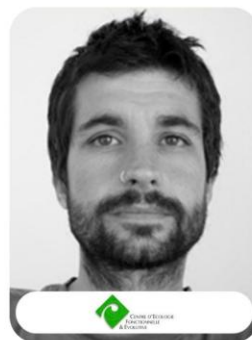
Project team members



Clara Grilo



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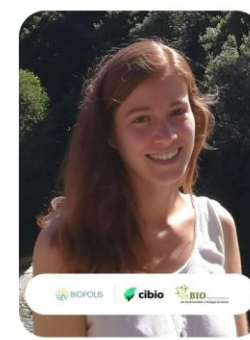
Aurélien Besnard



Akanksha Saxena



Eric Guinard



Filipa Coutinho Soares



Henrique Miguel Pereira



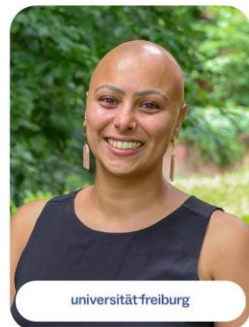
Jeremy Dertien



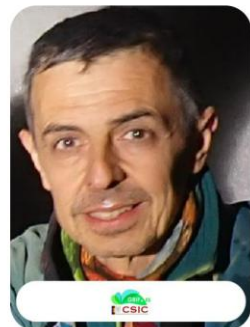
Joana Bernardino



Liam Innis



Manisha Bhardwaj



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Rui Figueira



Thierry Chambert



Tomé Neves