



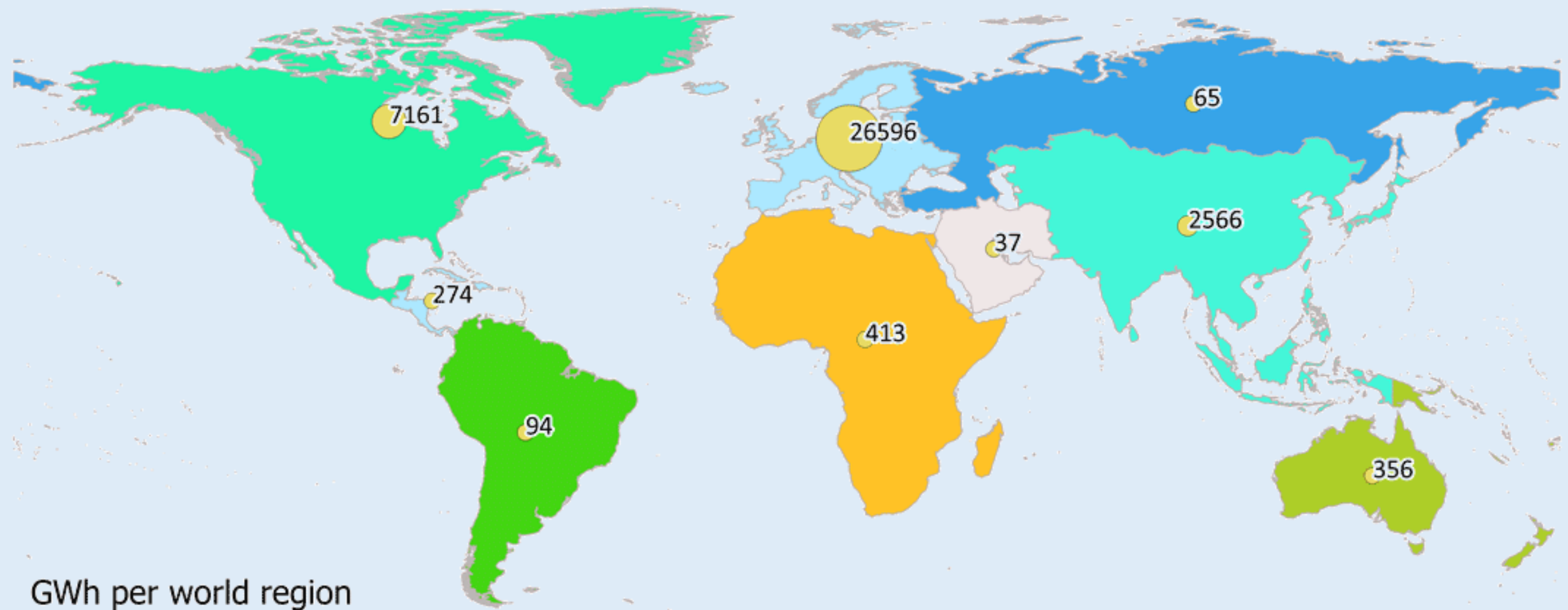
SECEMU

BRECHAS DE CONOCIMIENTO DEL IMPACTO SOBRE LA FAUNA EN EL DESPLIEGUE MUNDIAL DE LA ENERGÍA EÓLICA

Marina Perceval¹, Xavier Puig-Montserrat¹

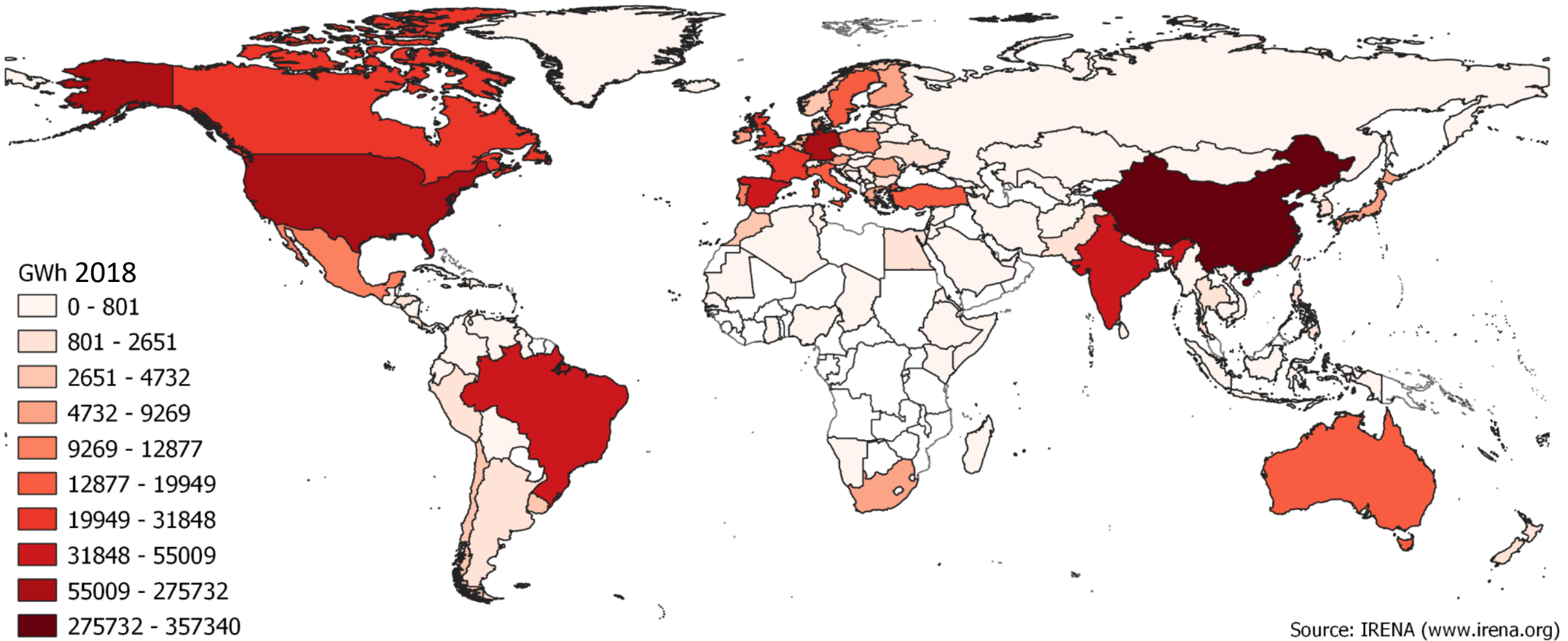
¹Museu de Ciències Naturals de Granollers. Email: mperceval@mcng.cat



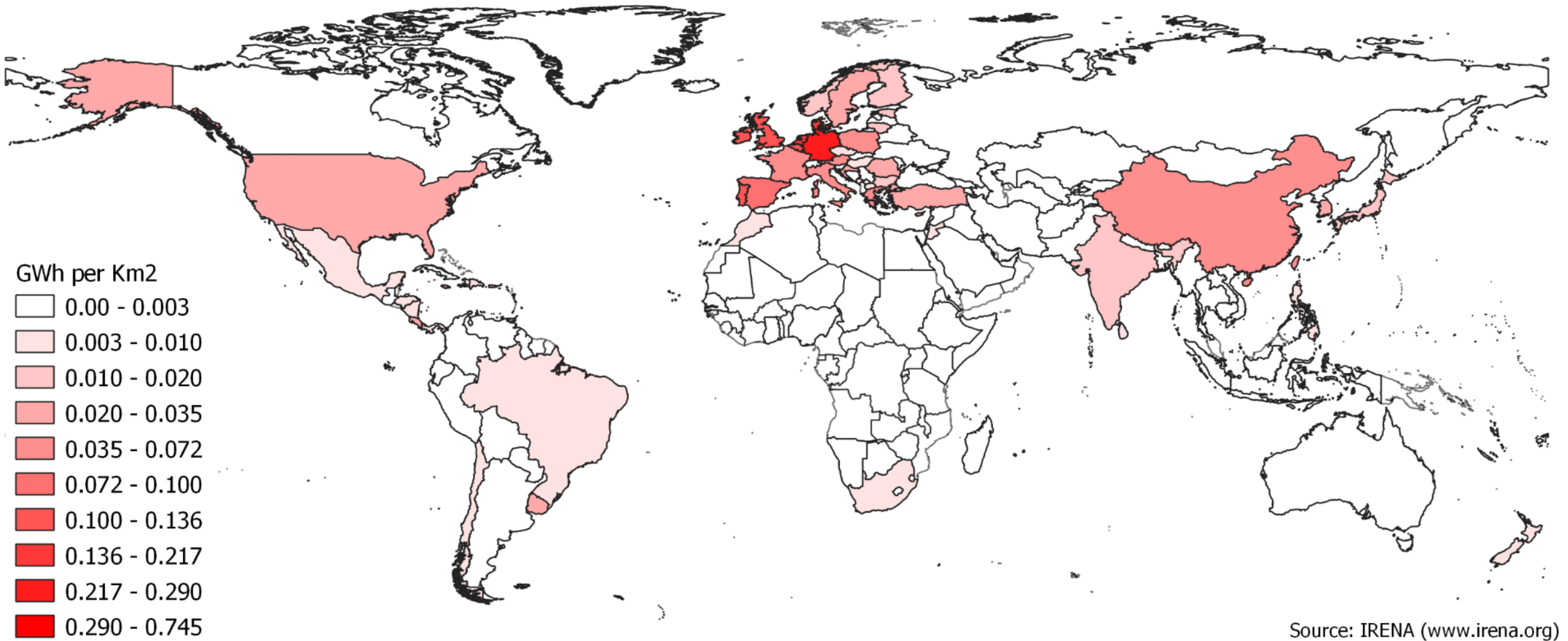


GWh per world region
2001

Source: IRENA (www.irena.org)



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423 W.O.S.

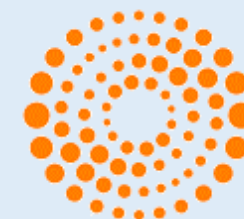
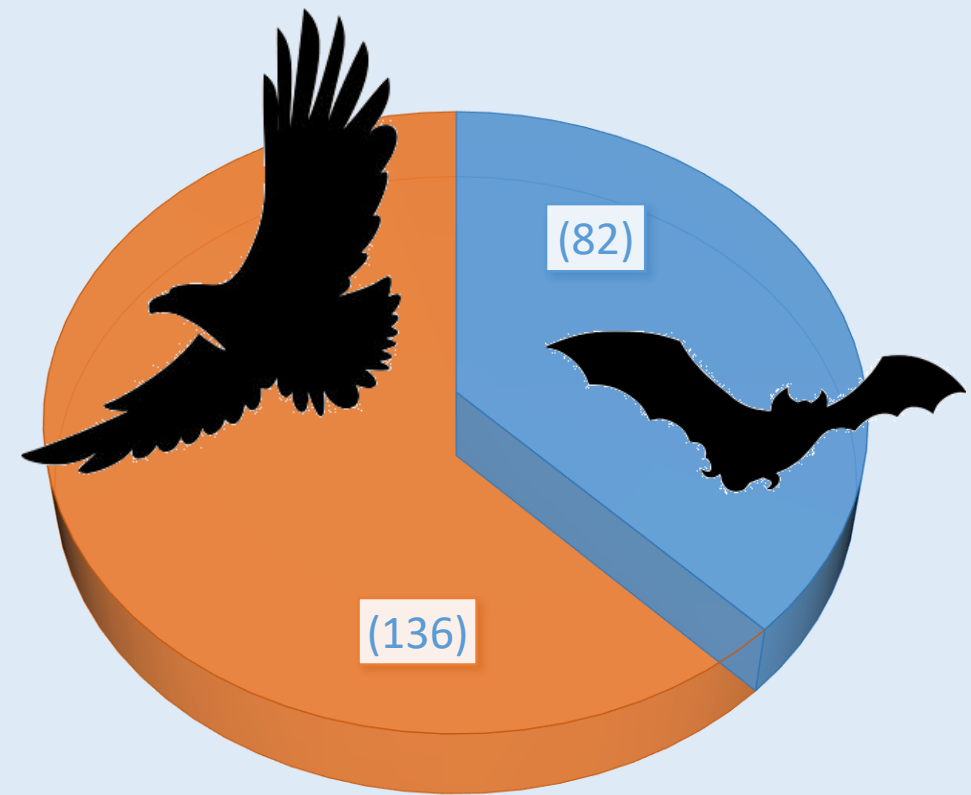
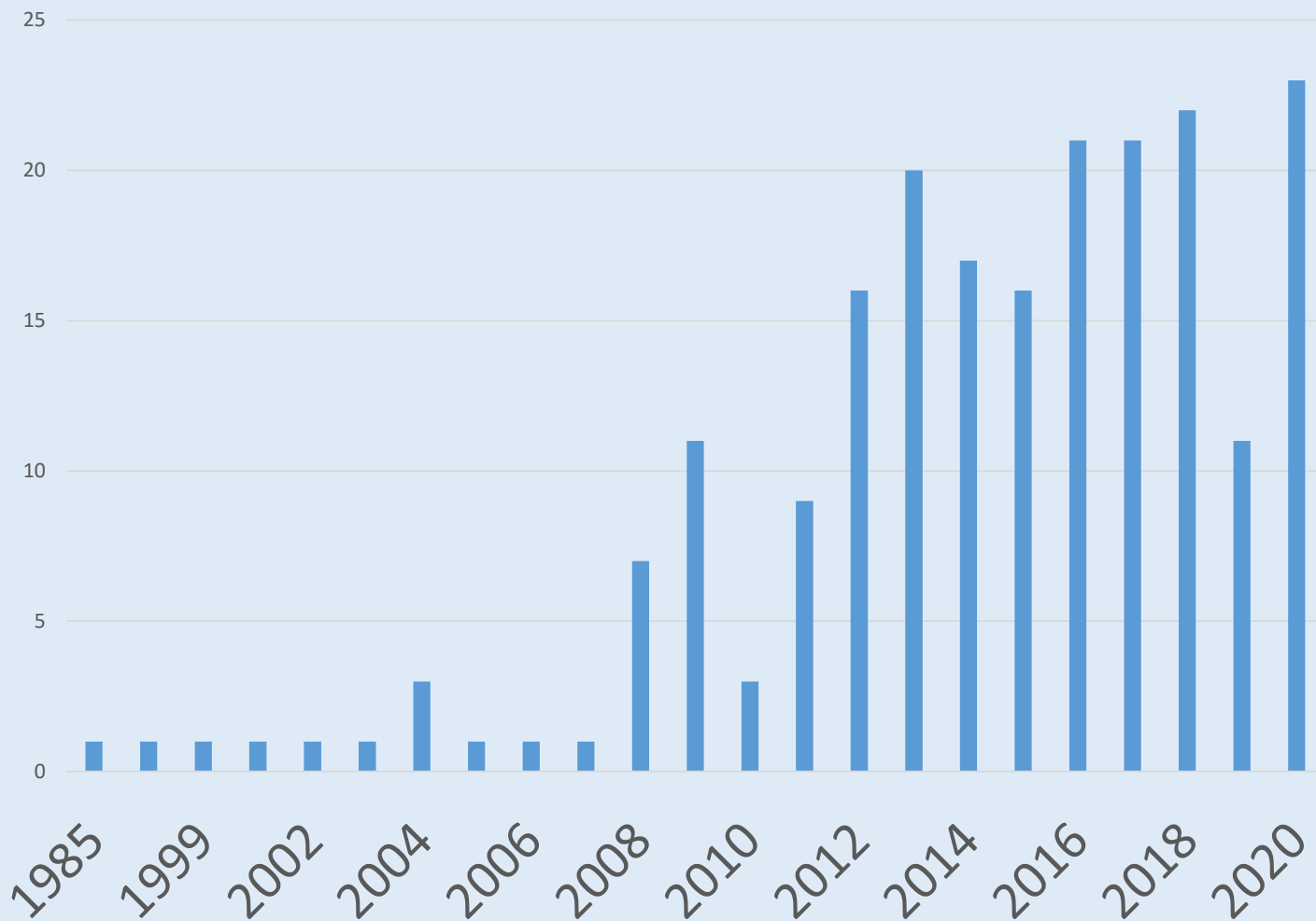
Search:

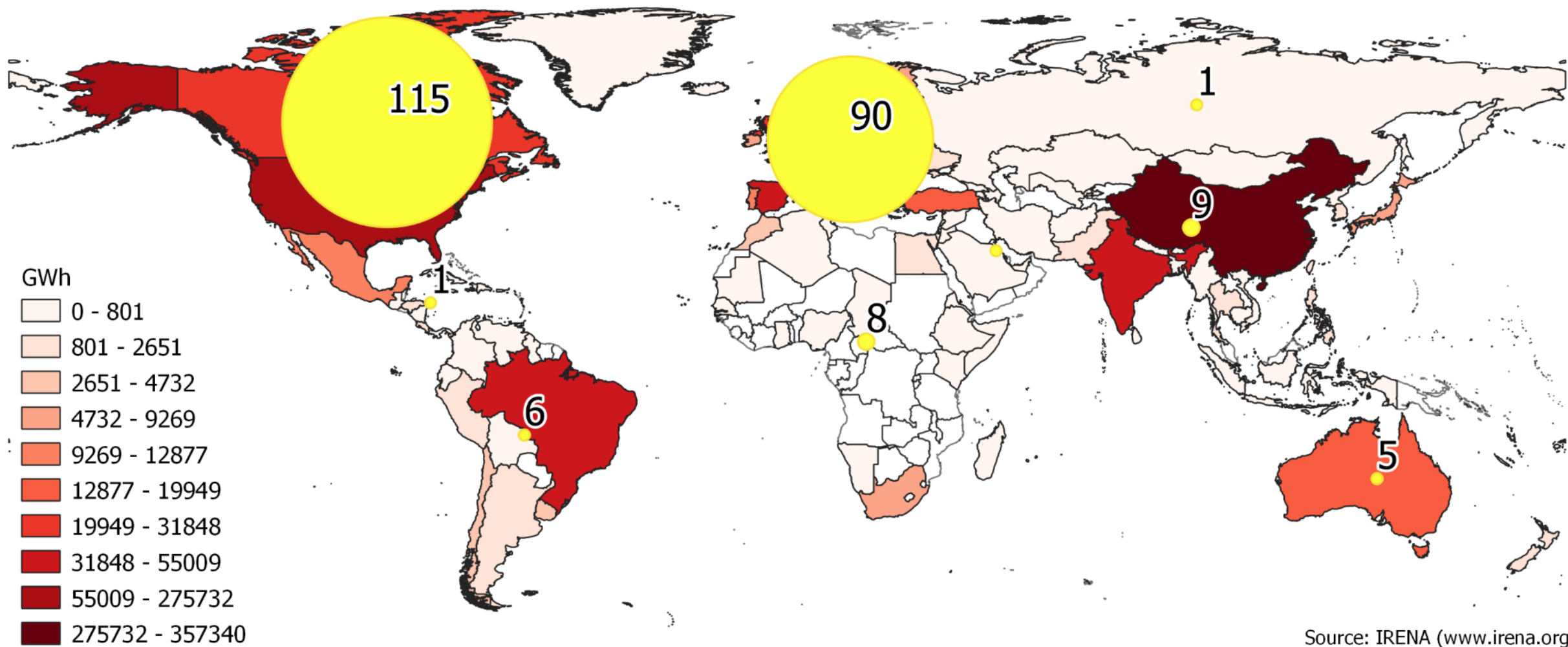
(Bird or Bat) & (Wind farm/facility/turbines)



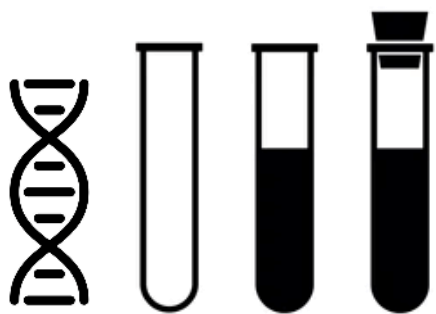
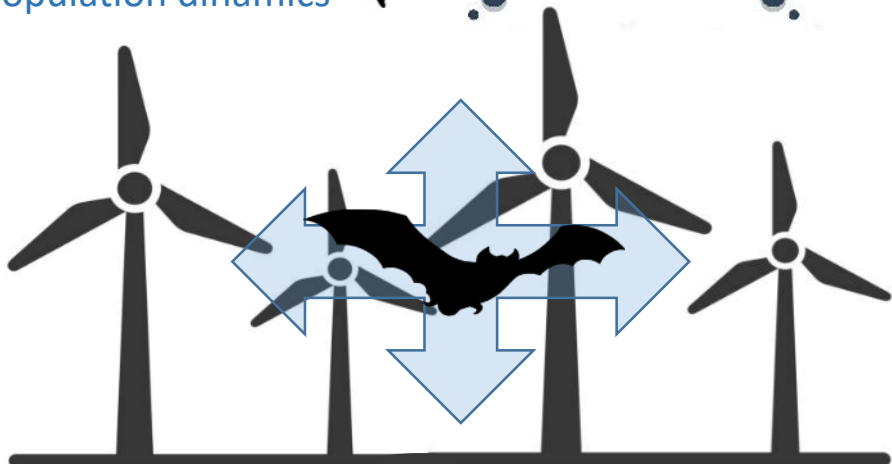
WEB OF SCIENCE™

Number of bat and bird studies (218)





Other studies



168

Carcass persistence studies



12

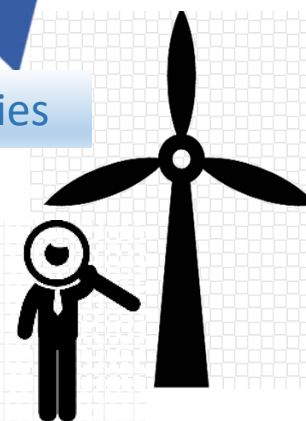
14%

13%

73%

17

Search efficiency studies



MORTALITY ESTIMATION

Smallwood, K. S. & Bell, D. A. 2020 -> ∞ %

Paula, J. et al. 2011 -> 1066,6%

Arnett, E. B. 2006 -> 578,5%

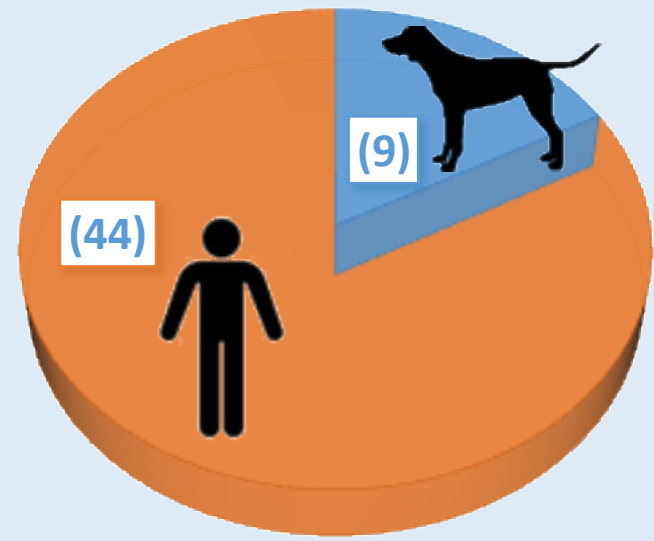
Smallwood, K. S. & Bell, D. A. 2020 -> 572,7%

Mathews, F. et al. 2013 -> 383,3%

Reyes, G. A. et al. 2016 -> 373,9%

Del Valle, J. D. et al, 2020 -> 366,6%

Arnett, E. B. 2006 -> 169%



Search efficiency

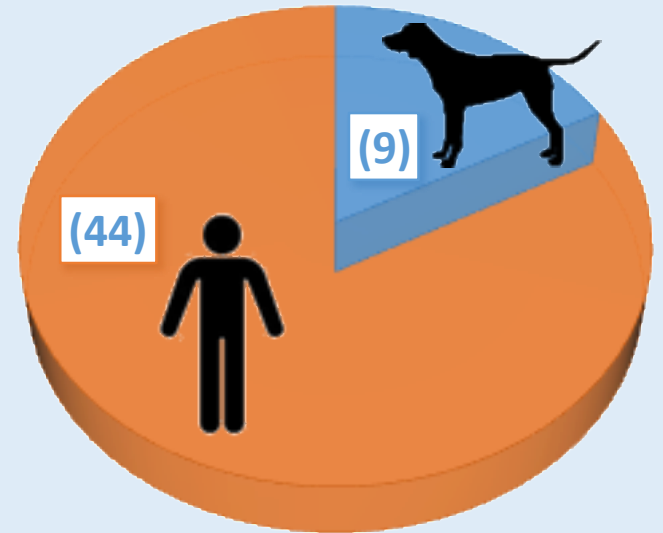
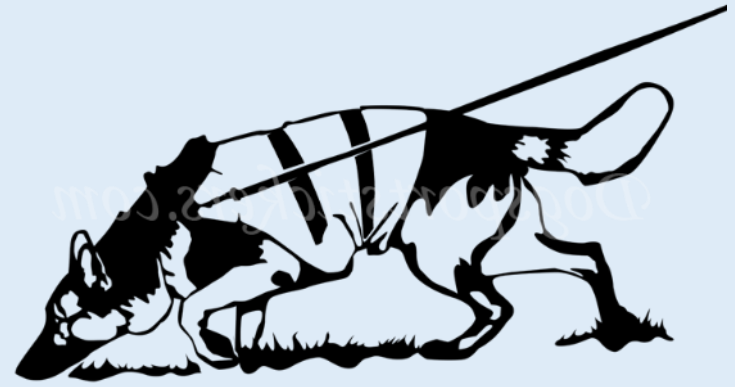
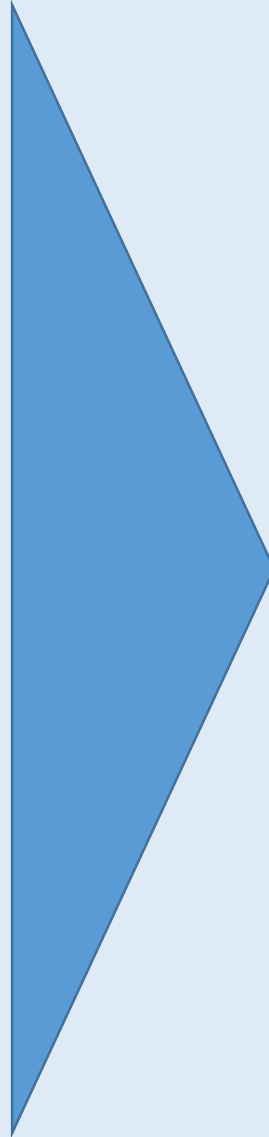
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Search efficiency

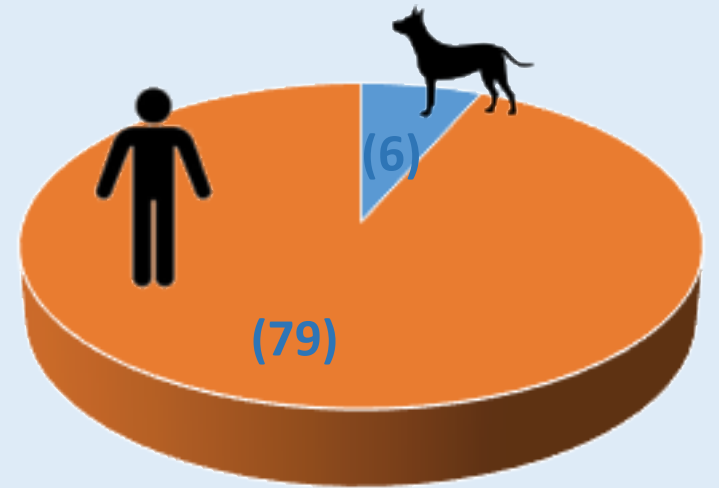
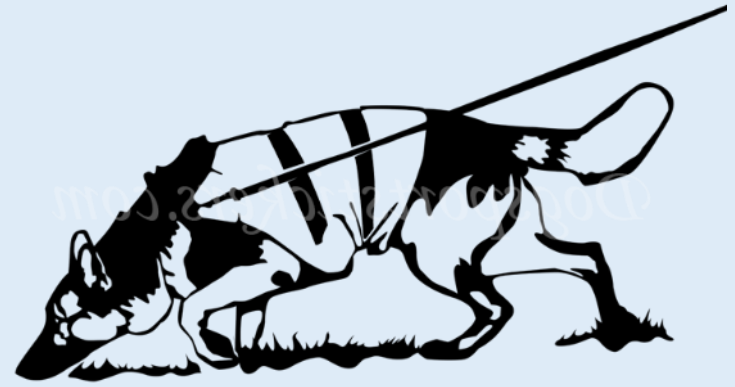
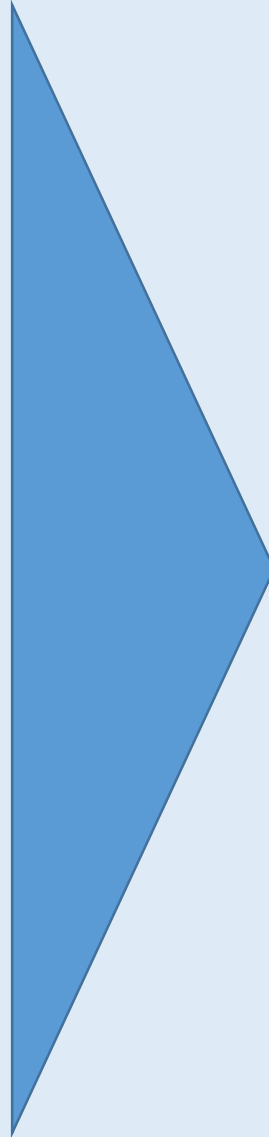
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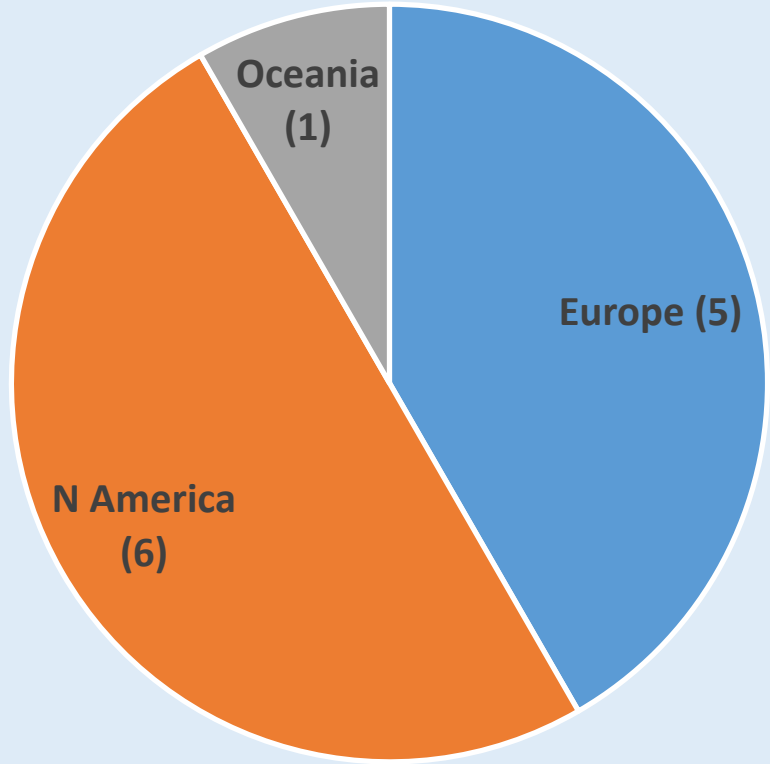
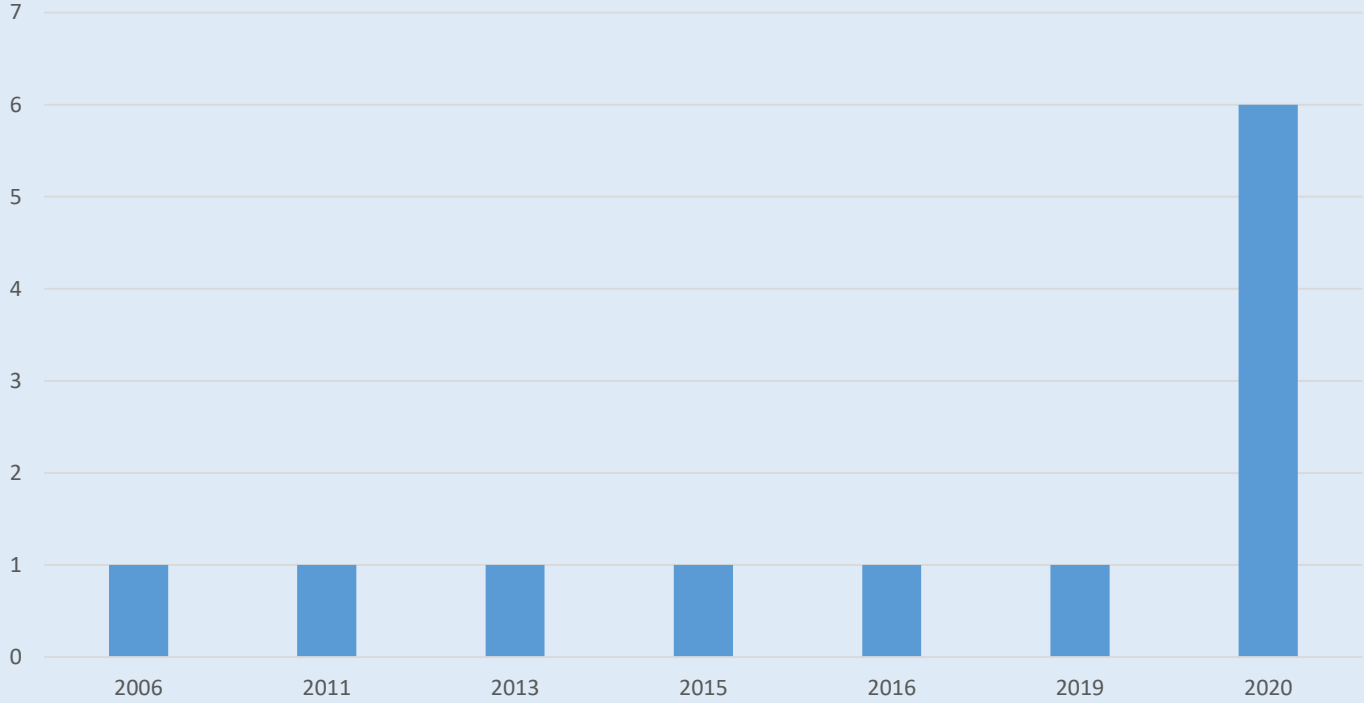
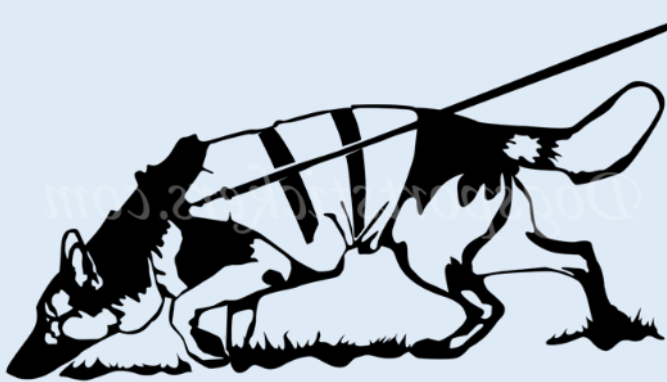
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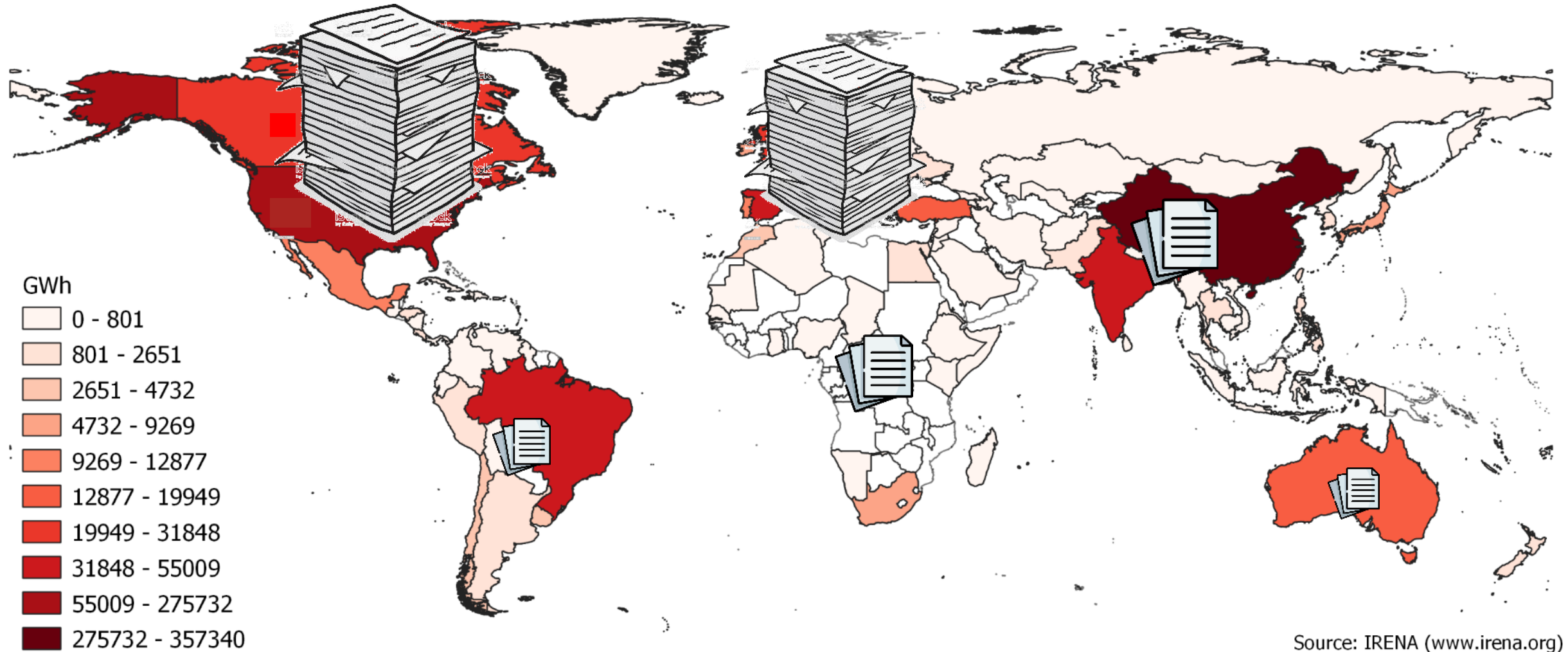


Mortality

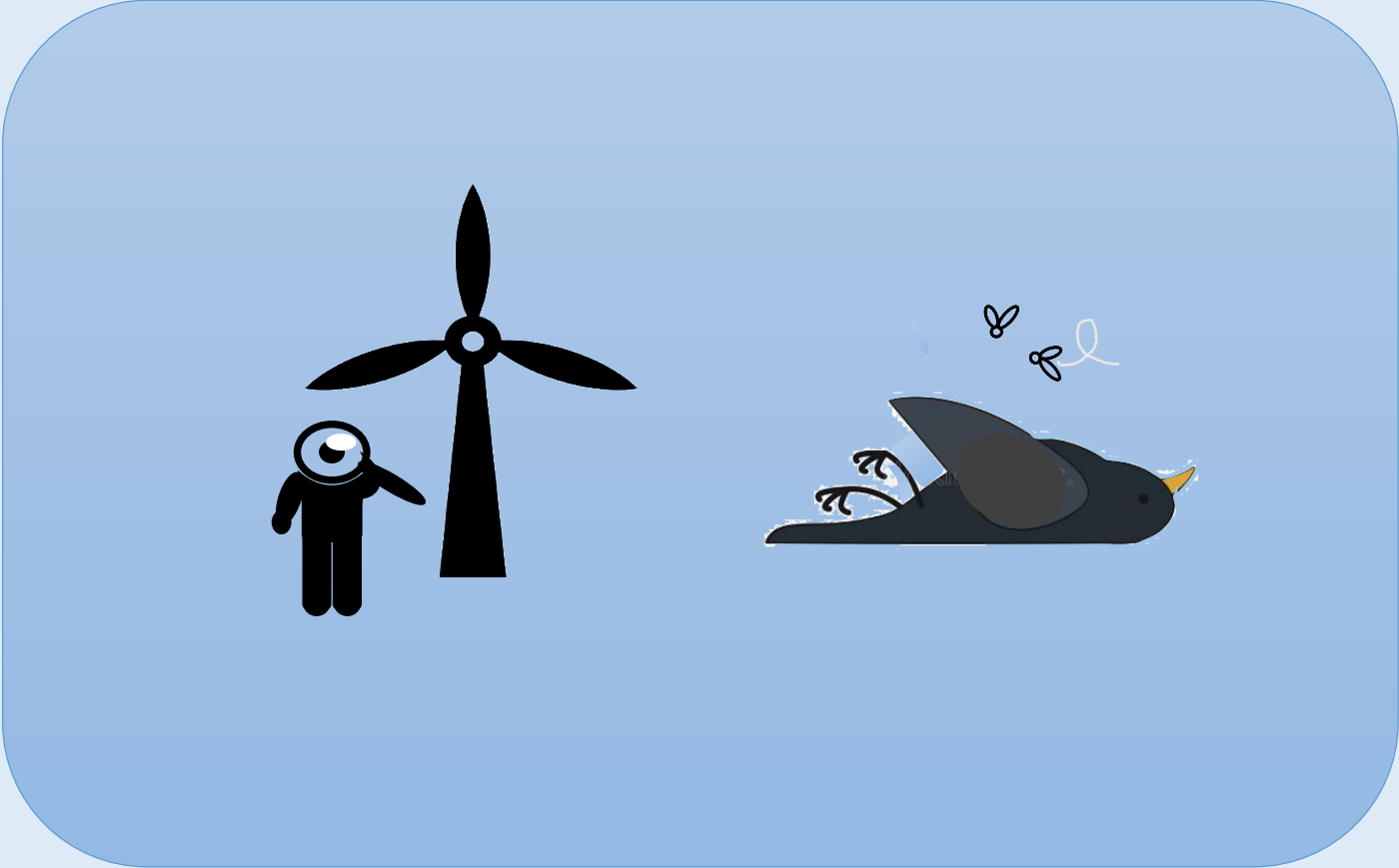
Studies about the use of dogs (all data)



CONCLUSIONS



CONCLUSIONS



CONCLUSIONS



THANK YOU FOR YOUR ATTENTION!



**Generalitat
de Catalunya**



**MUSEU DE
CIÈNCIES NATURALS
DE GRANOLLERS**