

BIODIVERSITY HOTSPOTS IN URUGUAY: REAL OR FABRICATED?



UNIVERSITY OF
LINCOLN

A N I I

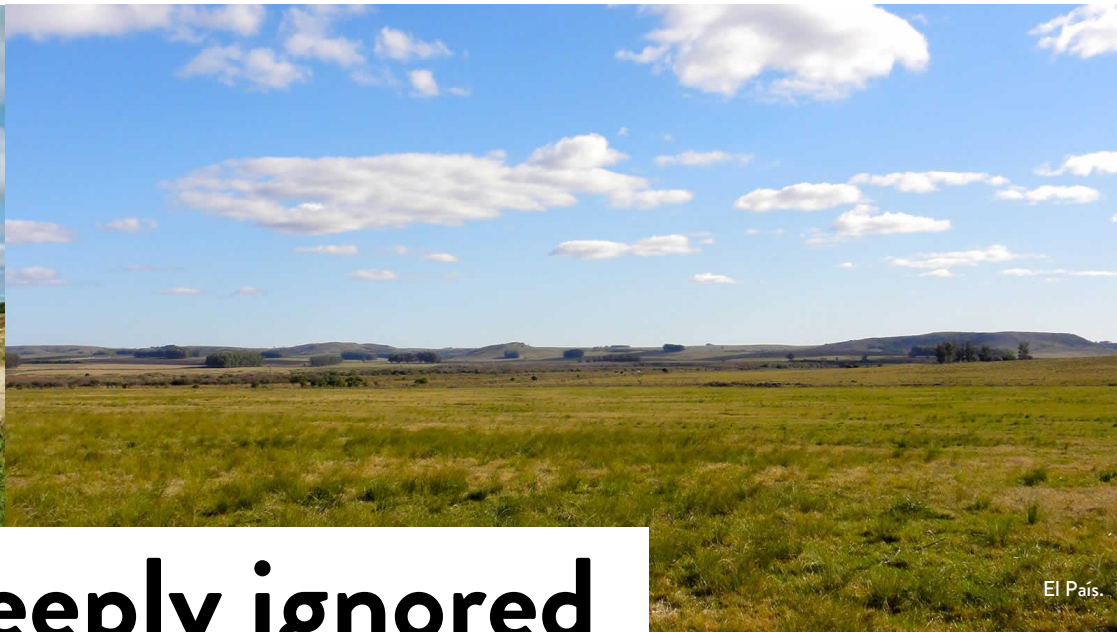
Florencia Grattarola & Daniel Pincheira-Donoso
School of Life Sciences - University of Lincoln

flograttarola.com | [@flograttarola](https://twitter.com/flograttarola) | github.com/bienflores

URUGUAY



#EmojiDelMate

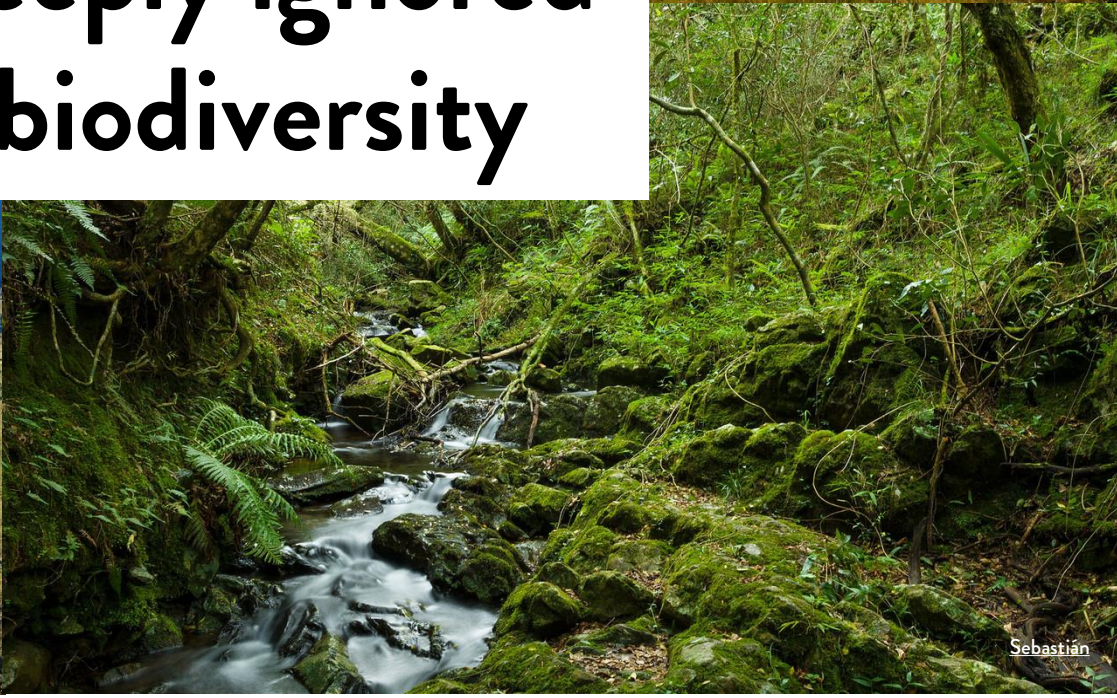


El País.

Uruguay is deeply ignored in terms of biodiversity

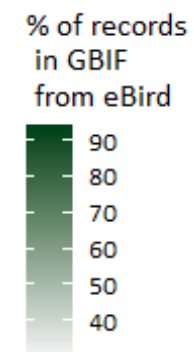
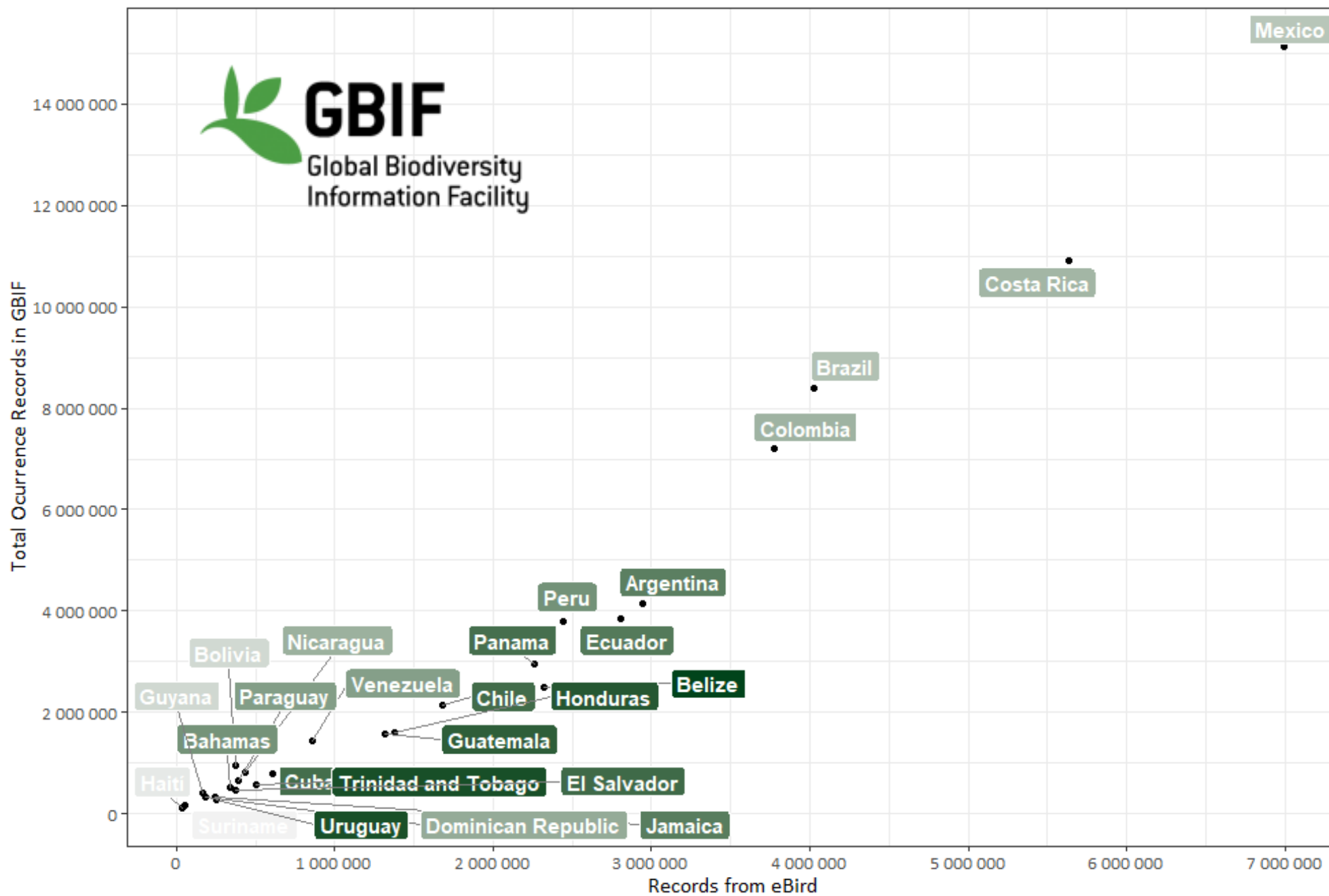


Marcelo Campi



Sebastián





eBird



First open-access
biodiversity
database for
Uruguay!



BIO
CONSORCIO DE DATOS
DIVERSI
DE BIODIVERSIDAD
DATA
DEL URUGUAY

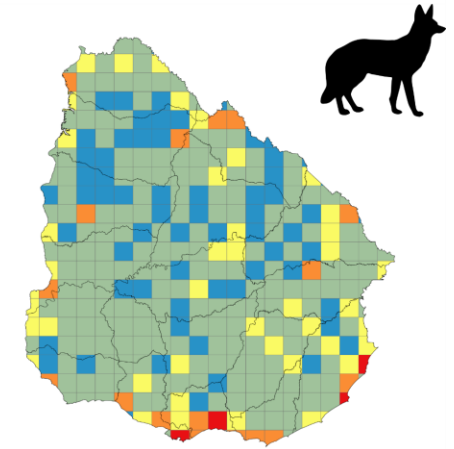
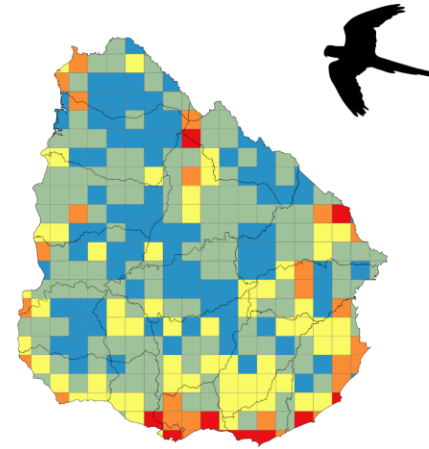
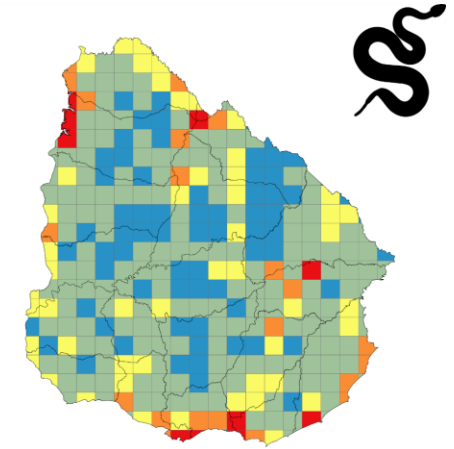
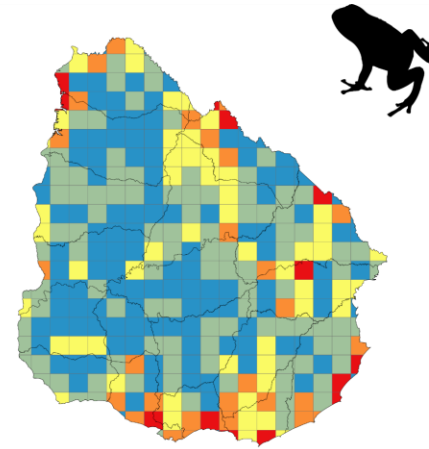
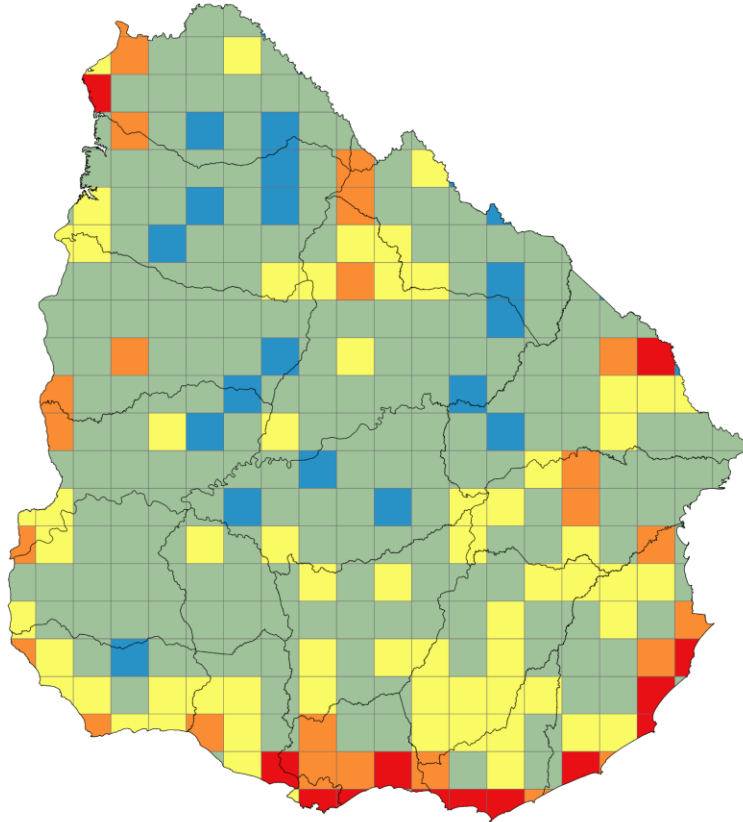
CIENCIA ABIERTA
Y COLABORATIVA

 biodiversidata.org  [@biodiversidata](https://twitter.com/biodiversidata)

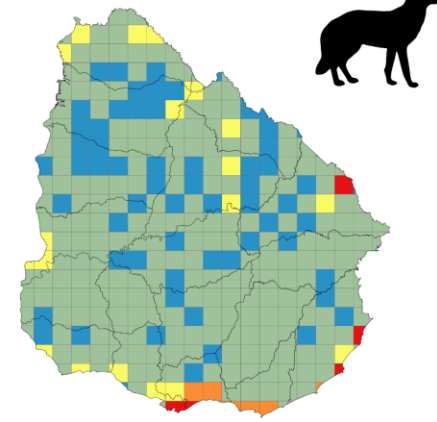
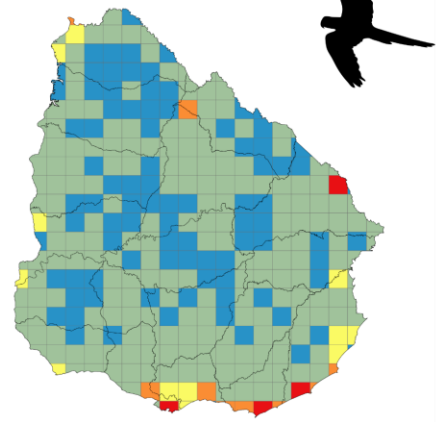
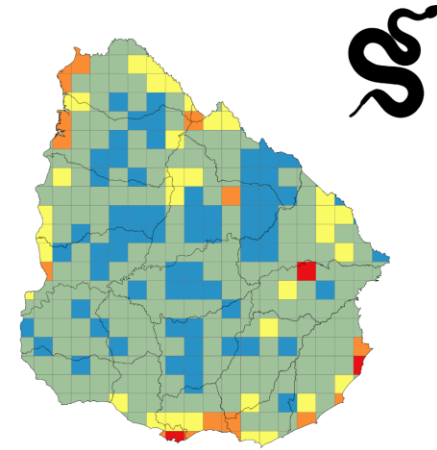
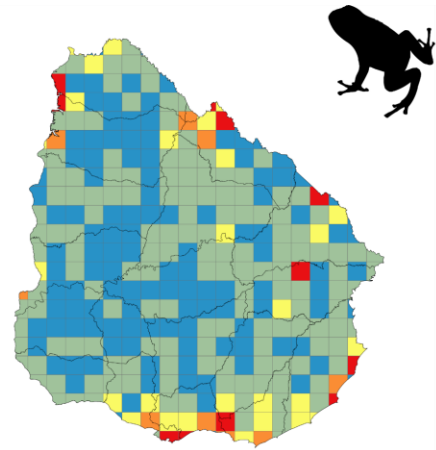
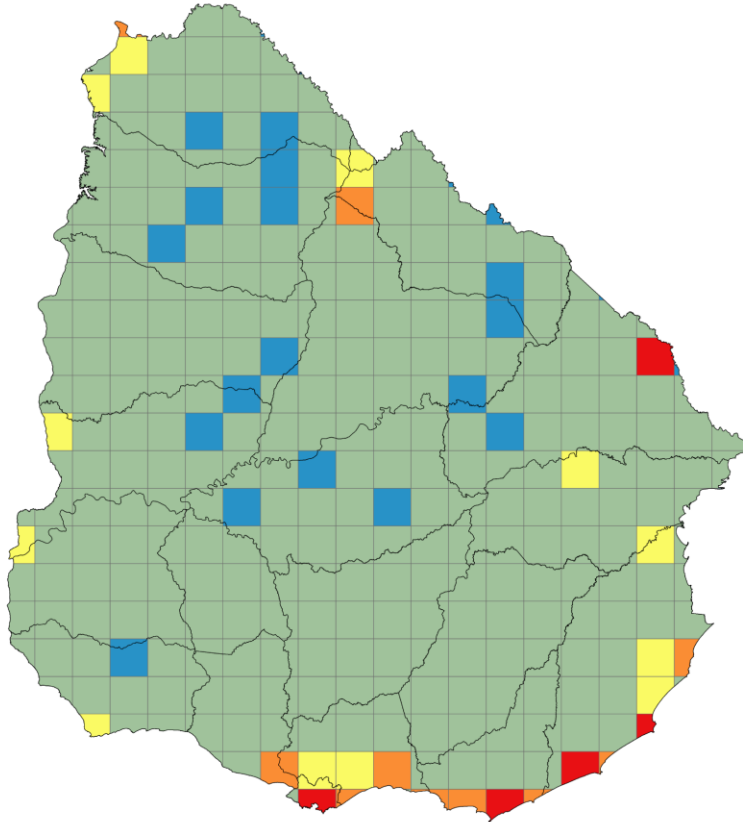
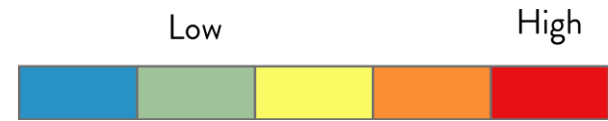
**Where are Biodiversity
Hotspots located?**

Species Richness

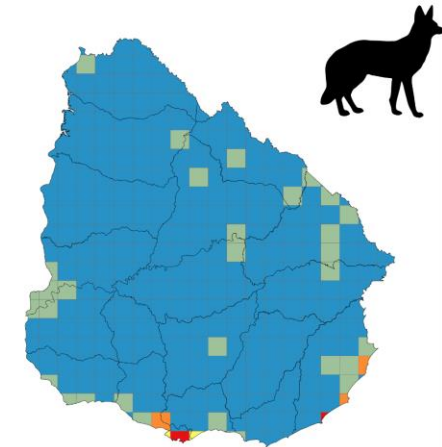
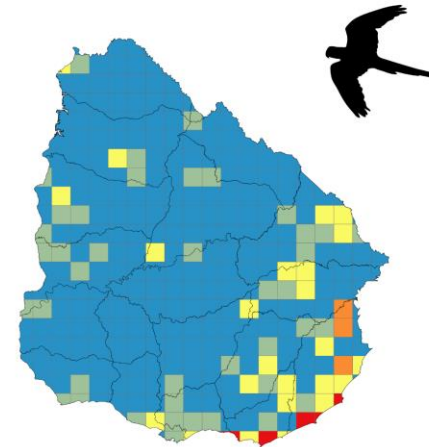
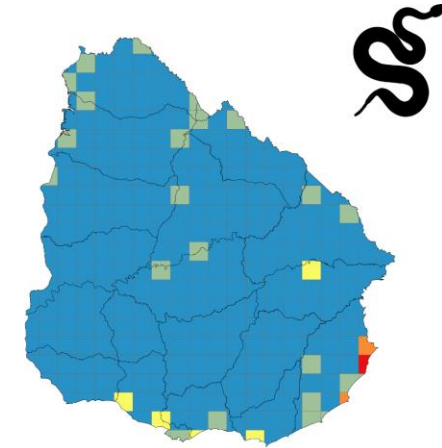
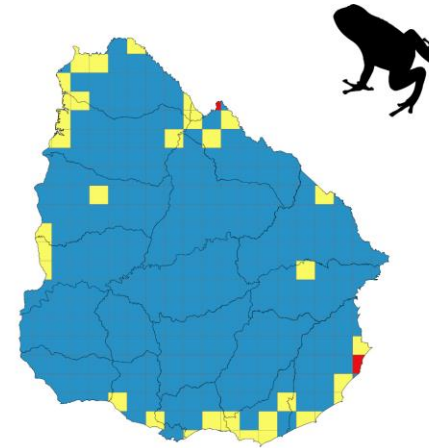
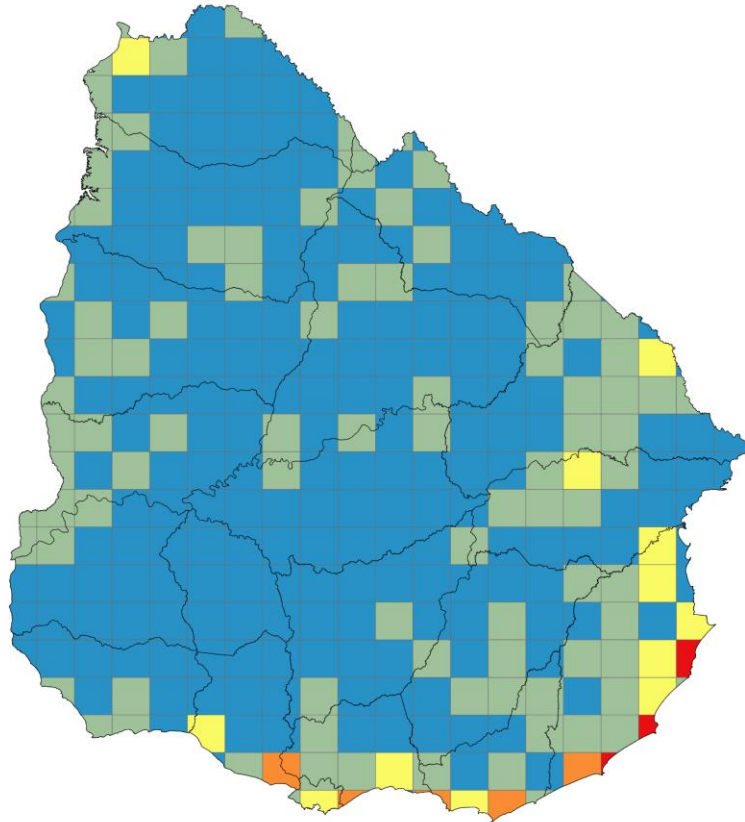
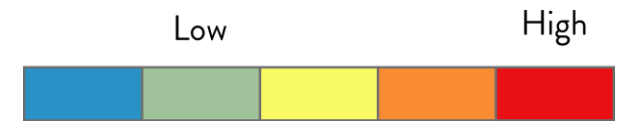
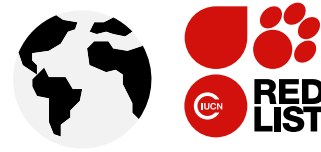
Low High



Endemism

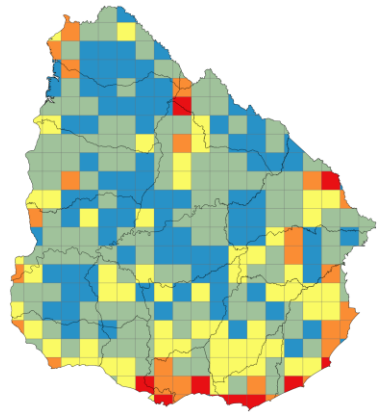


Threatened Species Number

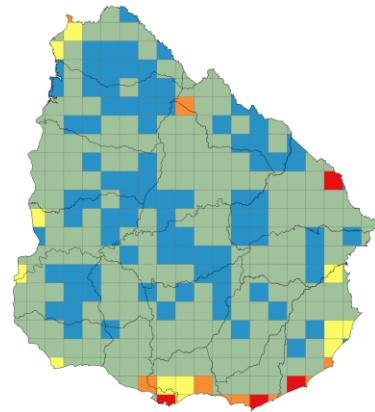


Are Biodiversity
Hotspots spatially
congruent?

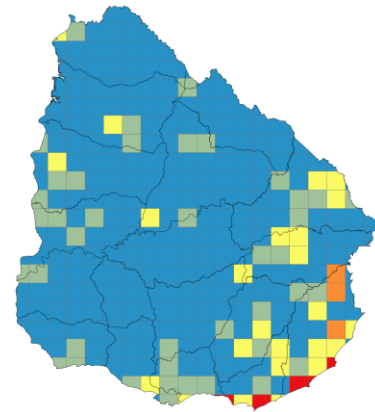
Birds



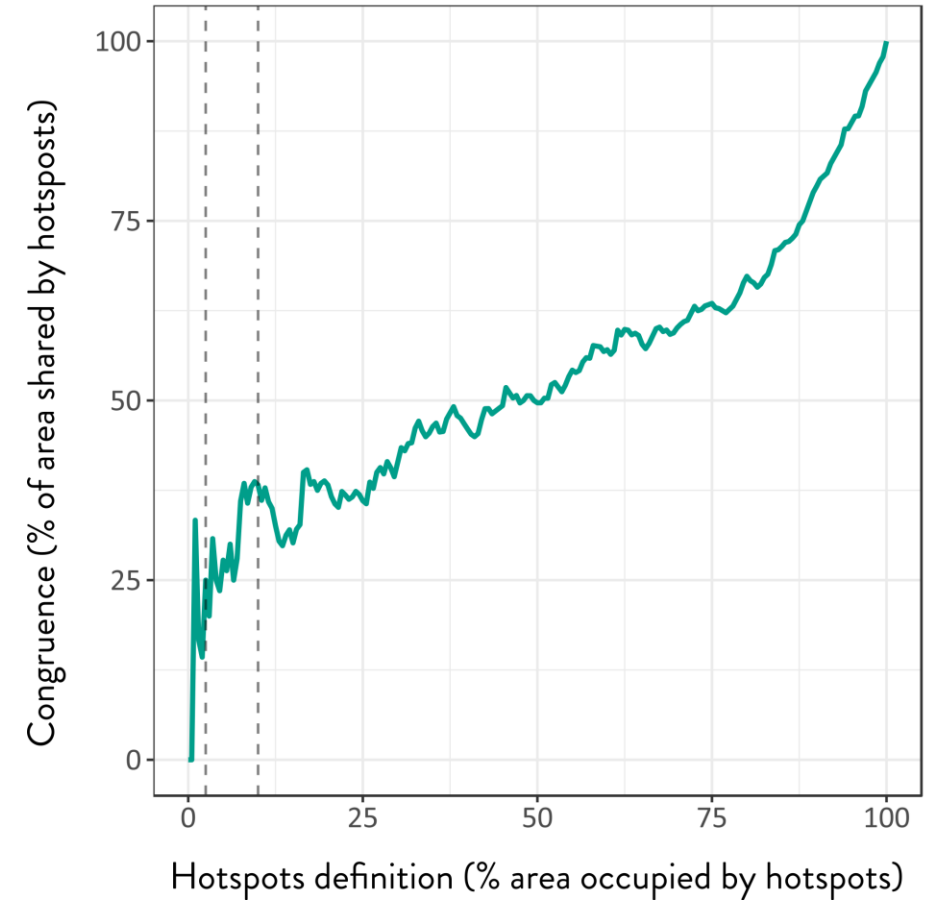
Species Richness



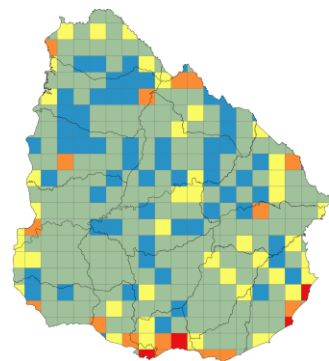
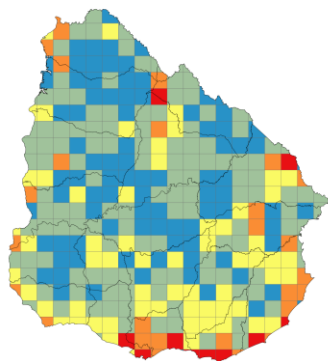
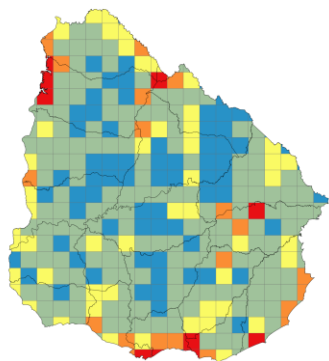
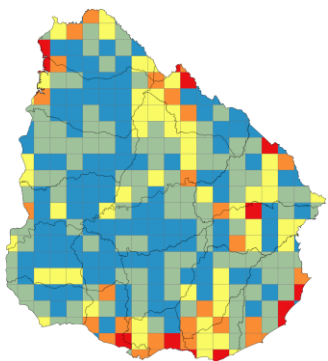
Endemism



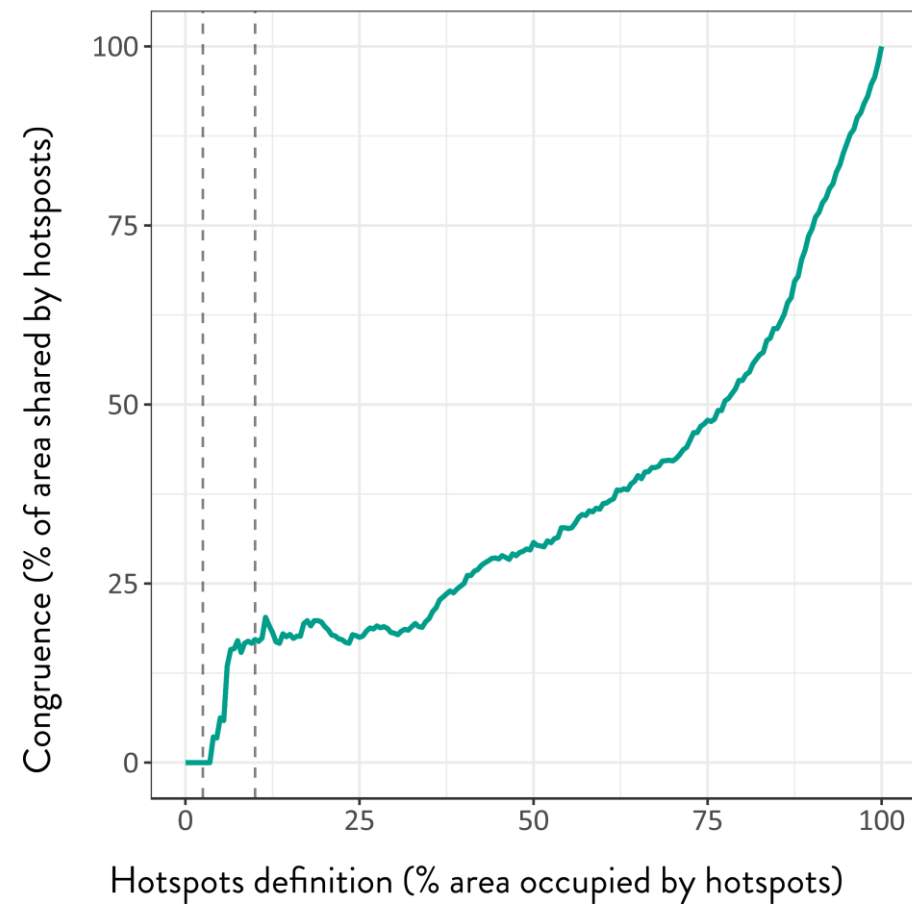
Threatened Species Number



Tetrapods



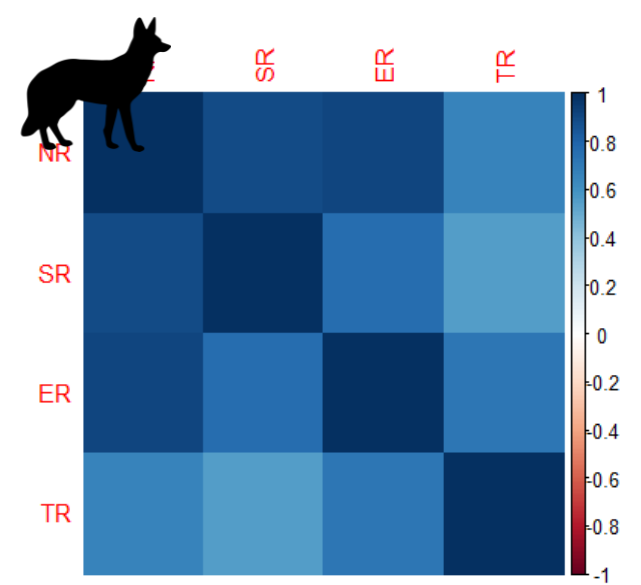
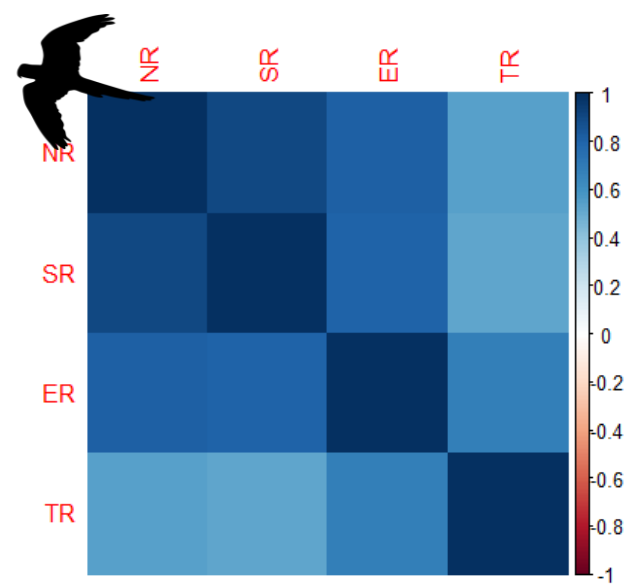
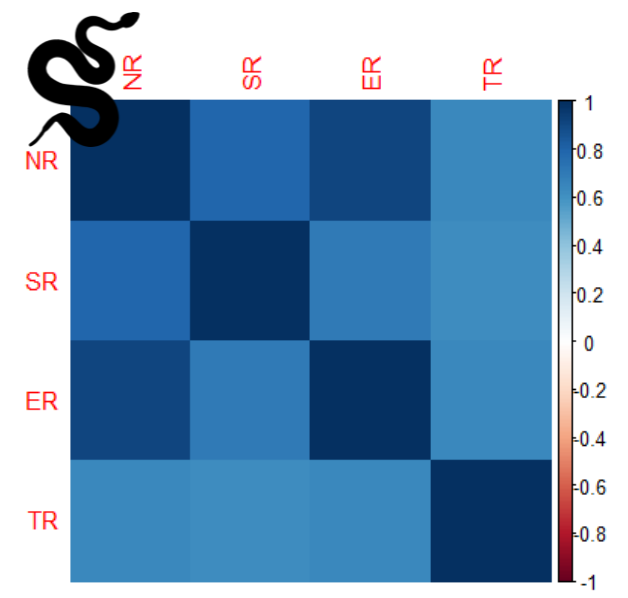
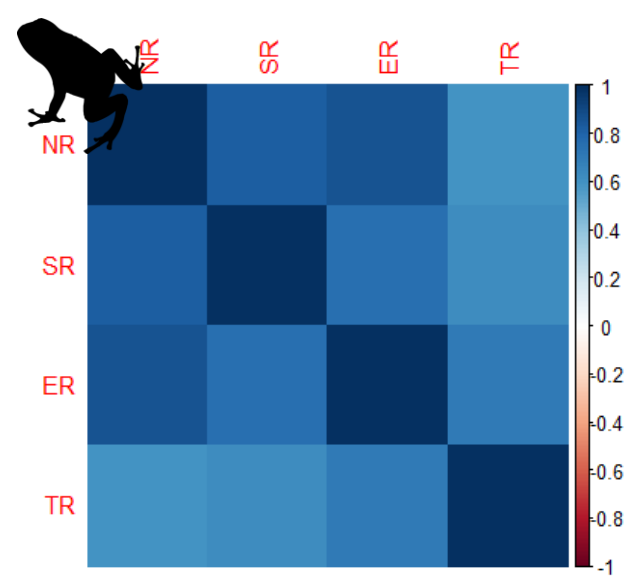
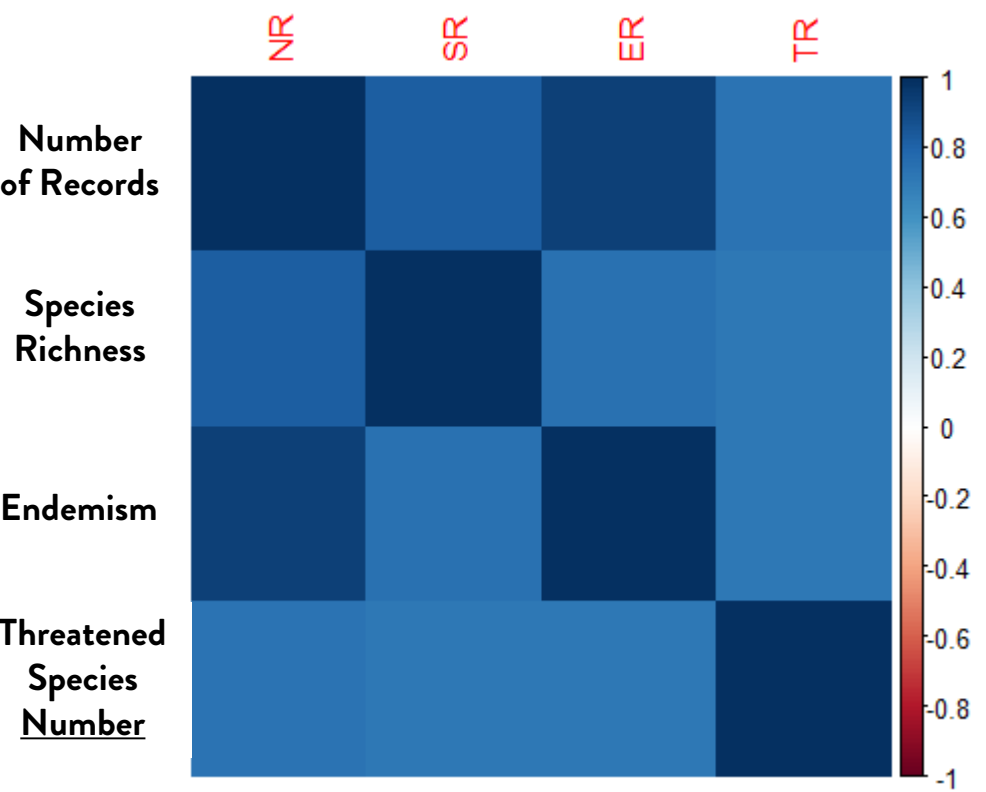
Species Richness

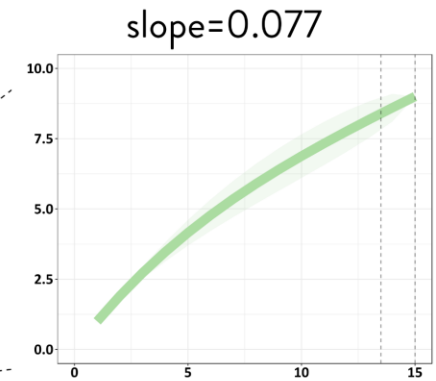
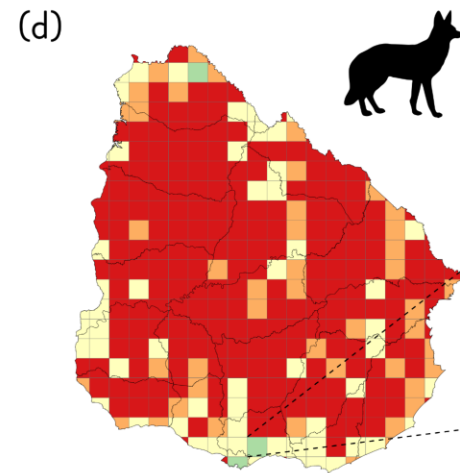
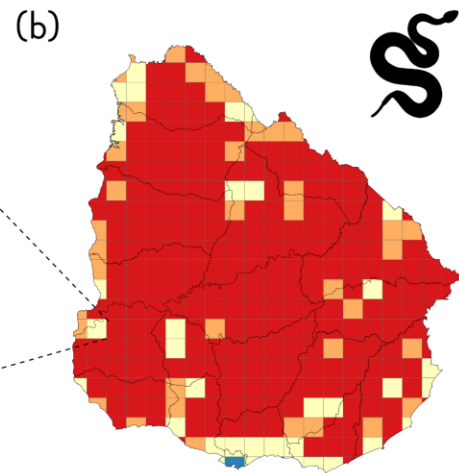
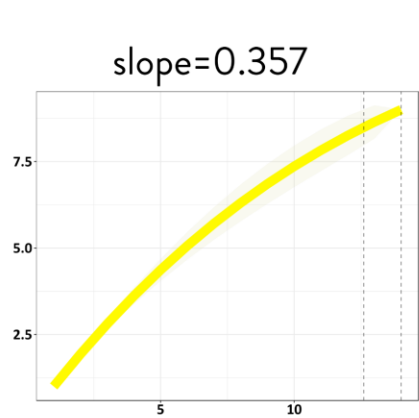
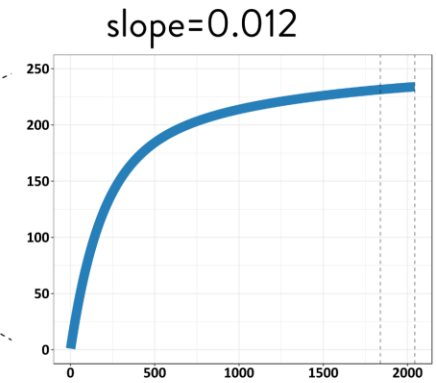
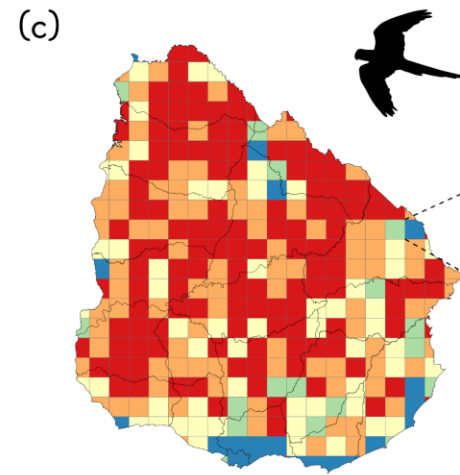
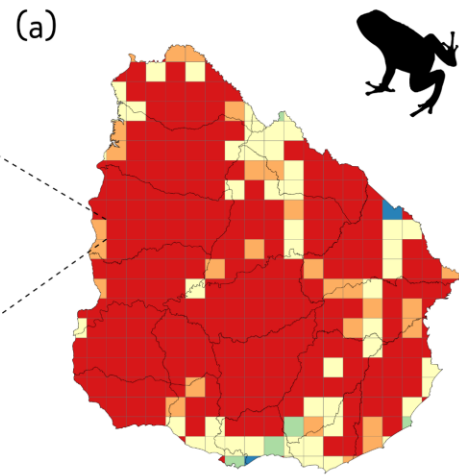
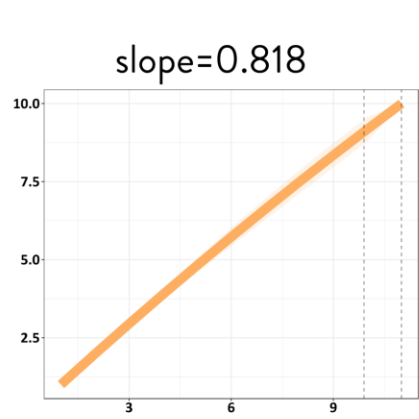
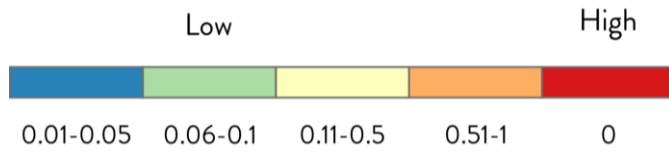


They are not congruent

BUT...

Are they real?





So...

- Hotspots of species richness, threat and endemism are not spatially congruent when analysing tetrapod classes separately or in combination
 - Most of the country's surface remains unsampled
-

- SDMs to get a better picture
- Citizen-science to increase biodiversity data in areas identified as priority for sampling
- Digitisation of herbaria scientific collection (+80,000 specimens)



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