

ESPEZIEN BANAKETA IZAN DIREN ALDAKETEN MAPAK

MAPAS DE CAMBIO EN EL ÁREA DE DISTRIBUCIÓN

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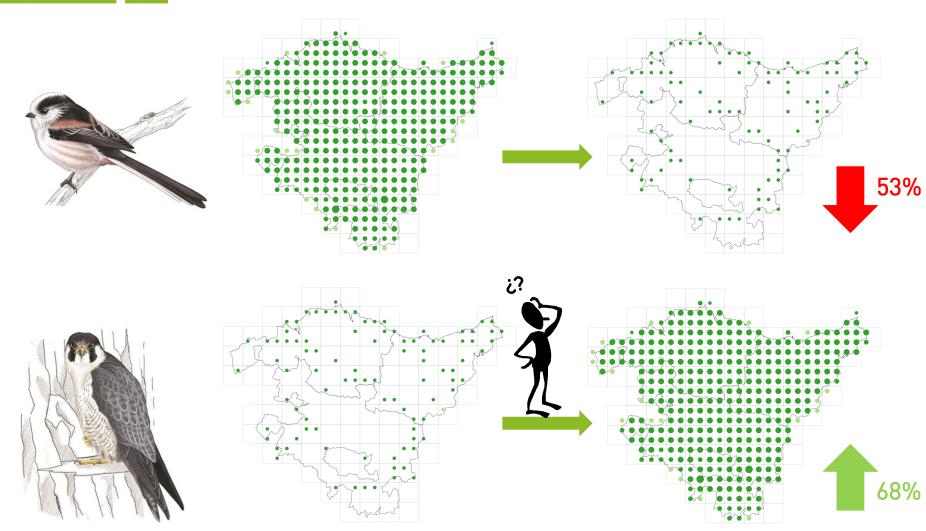
SOCIEDAD DE CIENCIAS SCIENCE SOCIETY SOCIÉTÉ DE SCIENCES





ESPEZIEN BANAKETA – ÁREA DE DISTRIBUCIÓN DE

ESPECIES



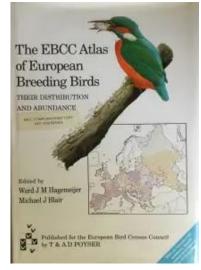


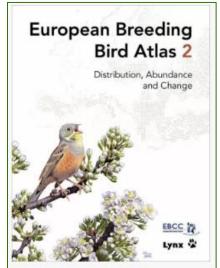




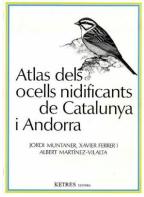


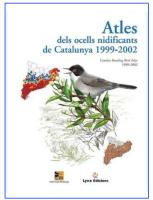


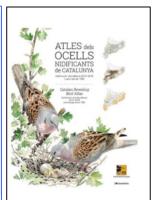




1997 2020





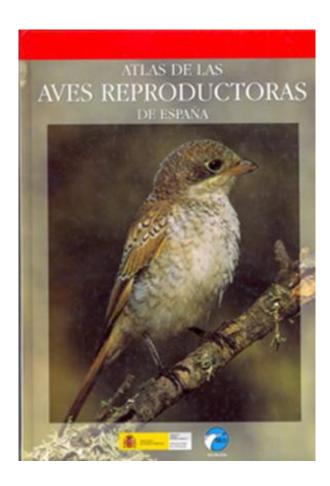


2021

1984 2004

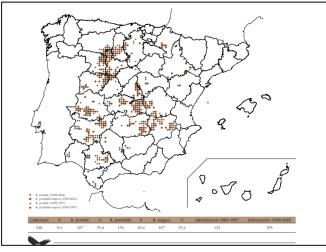
2





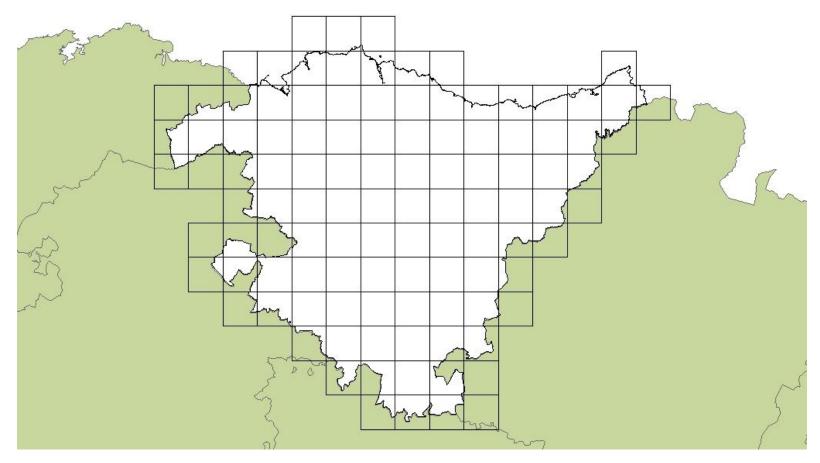
- Atlas de aves reproductoras de España
 - Trabajo de campo realizado 1998 2002
 - UTM 10x10 km



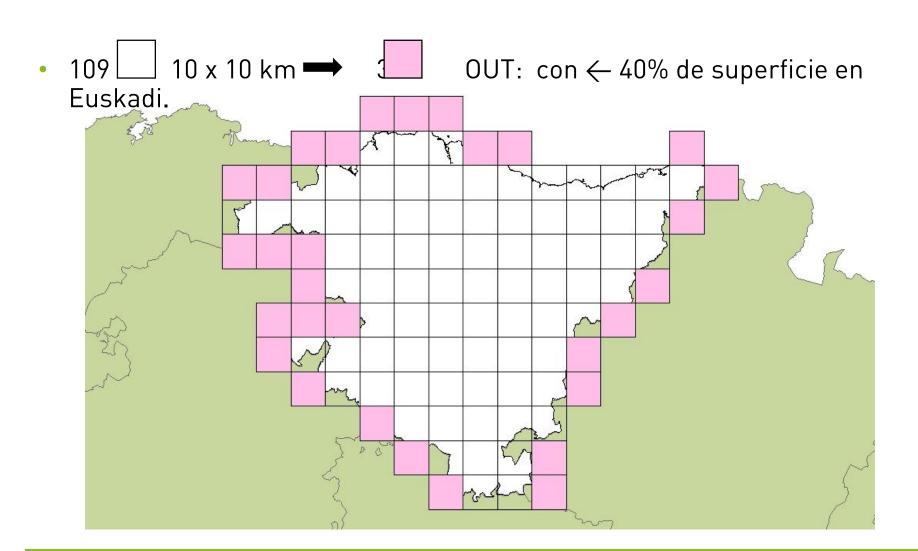




• 109 10 x 10 km







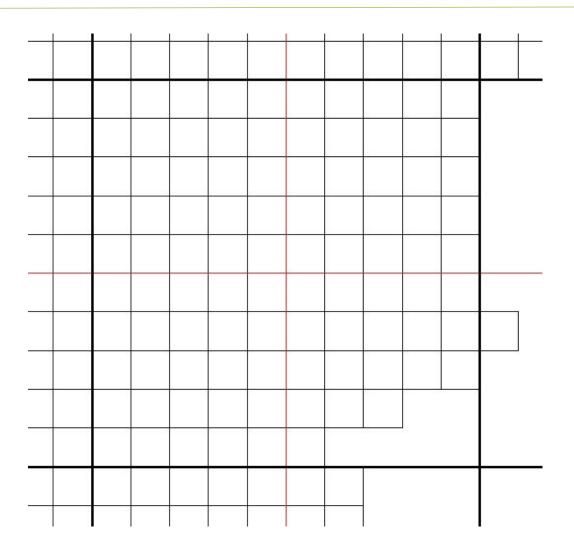


Esfuerzo de muestreo

10 x 10 km

5 x 5 km

1 x 1 km



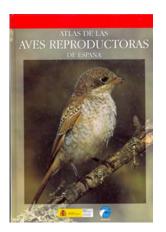


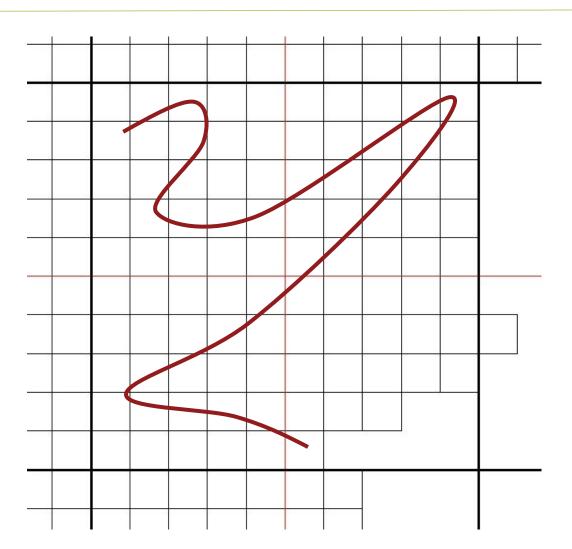
Esfuerzo de muestreo

10 x 10 km

5 x 5 km

1 x 1 km







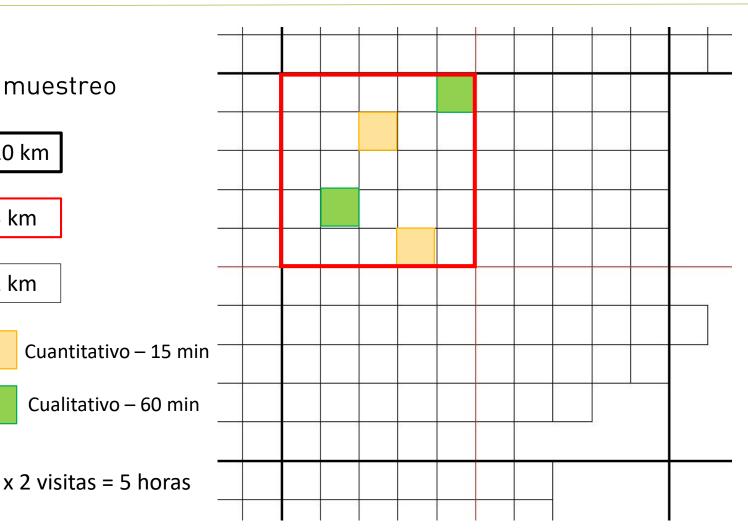


10 x 10 km

5 x 5 km

1 x 1 km

Cuantitativo – 15 min Cualitativo – 60 min ANE





Esfuerzo de muestreo

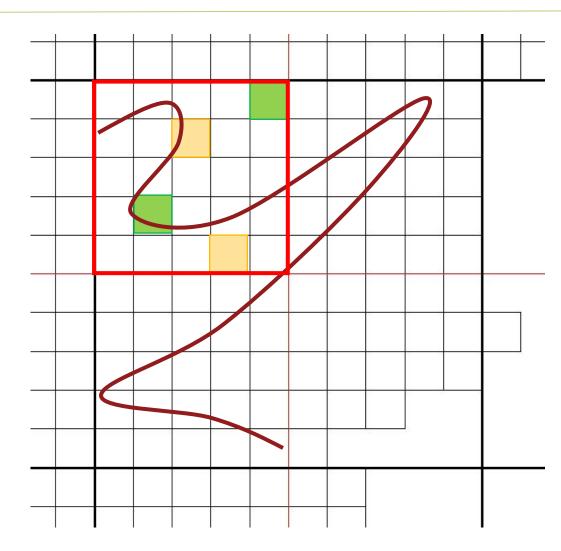
10 x 10 km

5 x 5 km

1 x 1 km

 Representativo del esfuerzo de muestro:

RIQUEZA DE ESPECIES

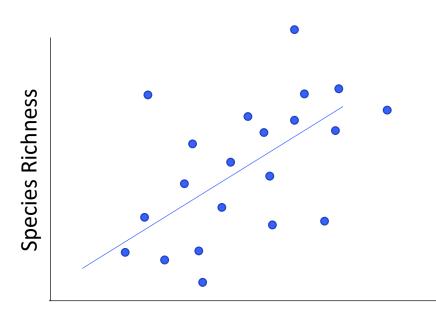




European Breeding Bird Atlas 2

PROXY ESFUERZO: SPECIES RICHNESS

 Esfuerzo de muestreo puede ser estimado de la desviación entre el número de especies observado y la riqueza de especies estimado para cada cuadrícula (Dennis et al. 2002, Verena et al. 2020).



Environmental variables



Atlas

ocells de

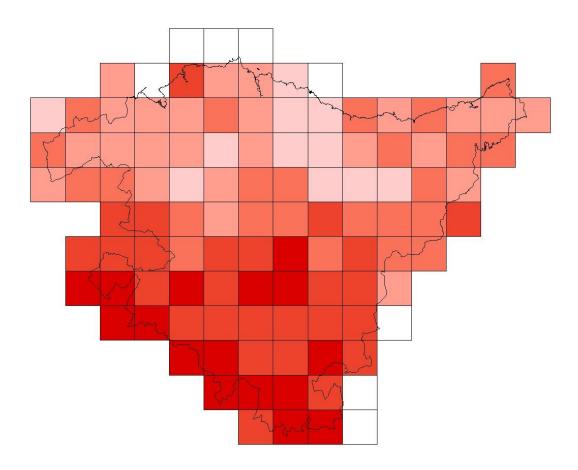
i Ando

of European Breeding Birds

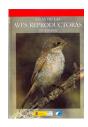




2003



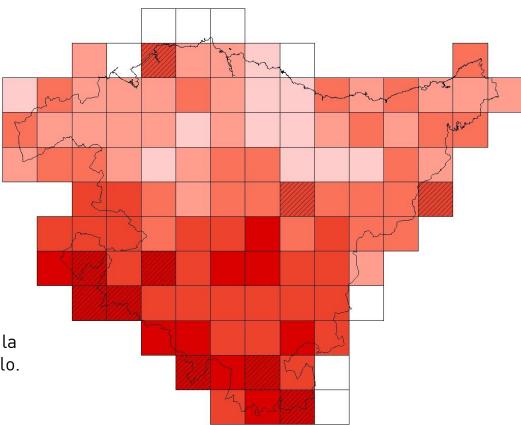




2003



Sobre-muestreadas: riqueza de especies observada mayor que la estimada por el modelo.







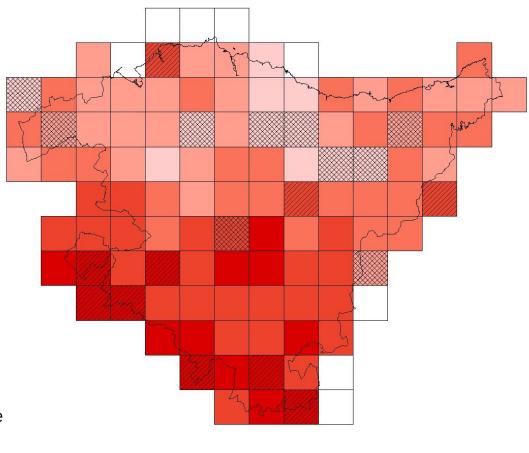
2003



Sobre-muestreadas

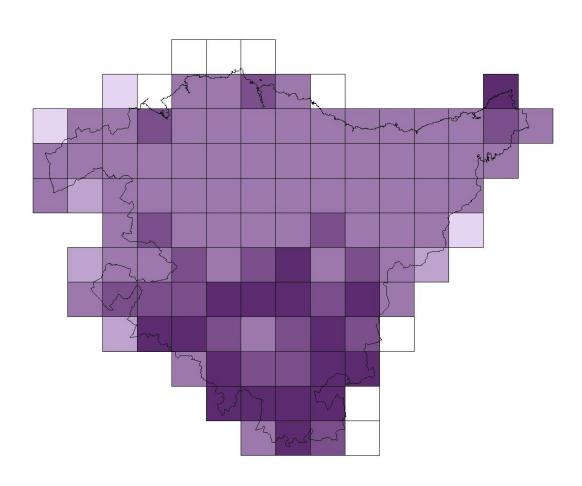


Sub-muestreadas: riqueza de especies observada menor que la estimada por el modelo.







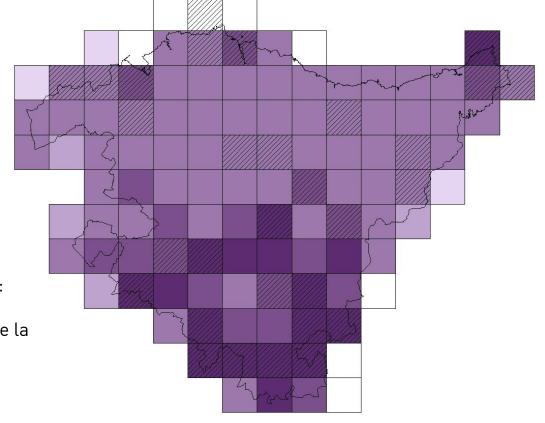




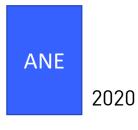


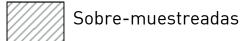
Sobre-muestreadas: riqueza de especies observada mayor que la estimada por el

modelo.

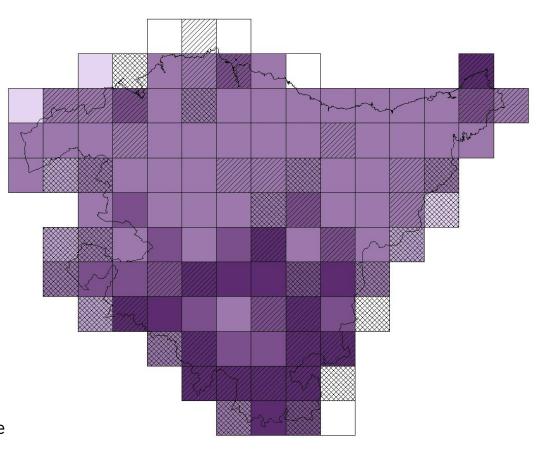






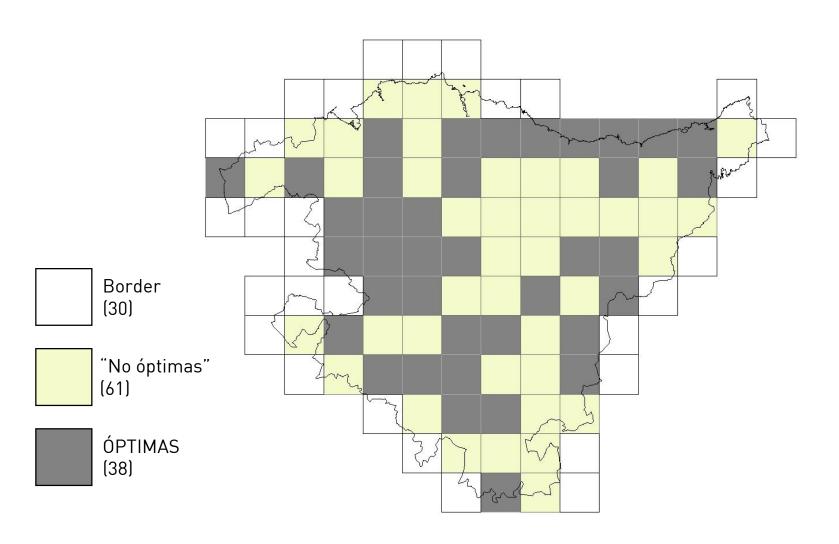


Sub-muestreadas:
riqueza de especies
observada menor que
la estimada por el
modelo.





ROBUST COMPARISON SQUARES





ALDAKETA-INDIZEA - ÍNDICE DE CAMBIO





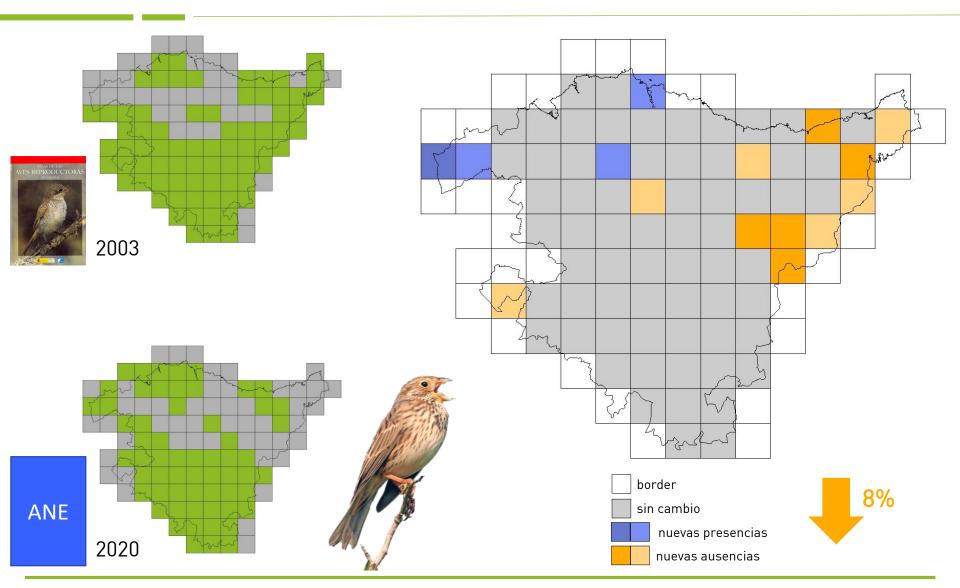
ANE

N2

Número de cuadrículas ocupadas para cada especie.

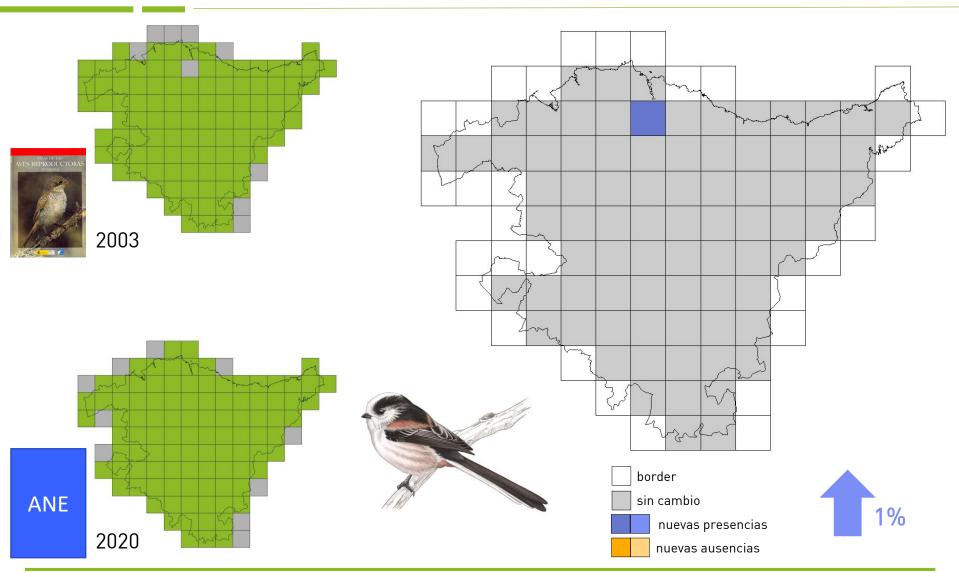


EMBERIZA CALANDRA



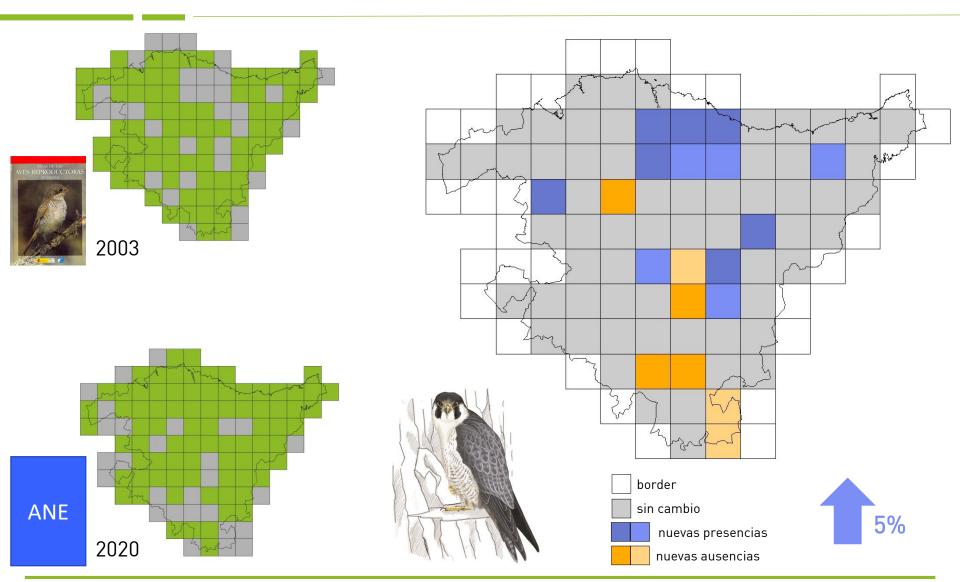


AEGITHALOS CAUDATUS





FALCO PEREGRINUS

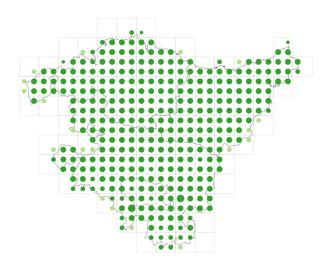


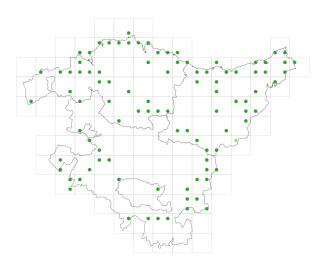


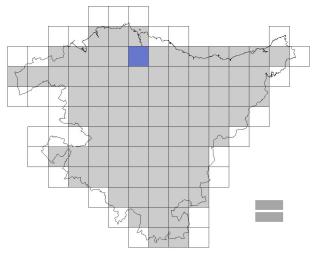
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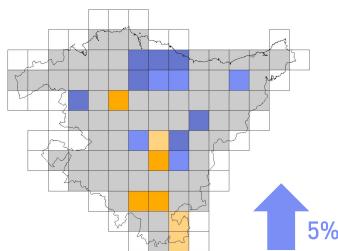


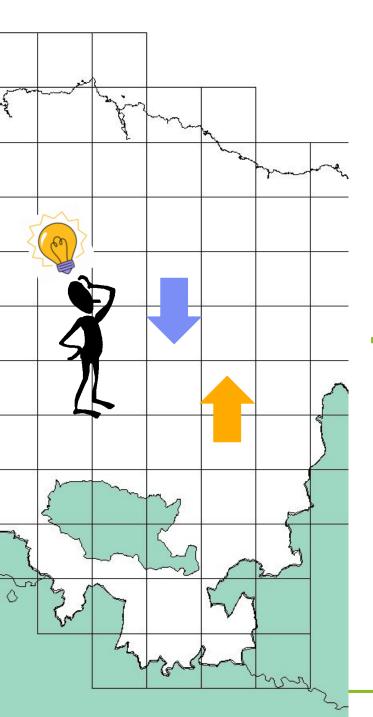














ESKERRIK ASKO!





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