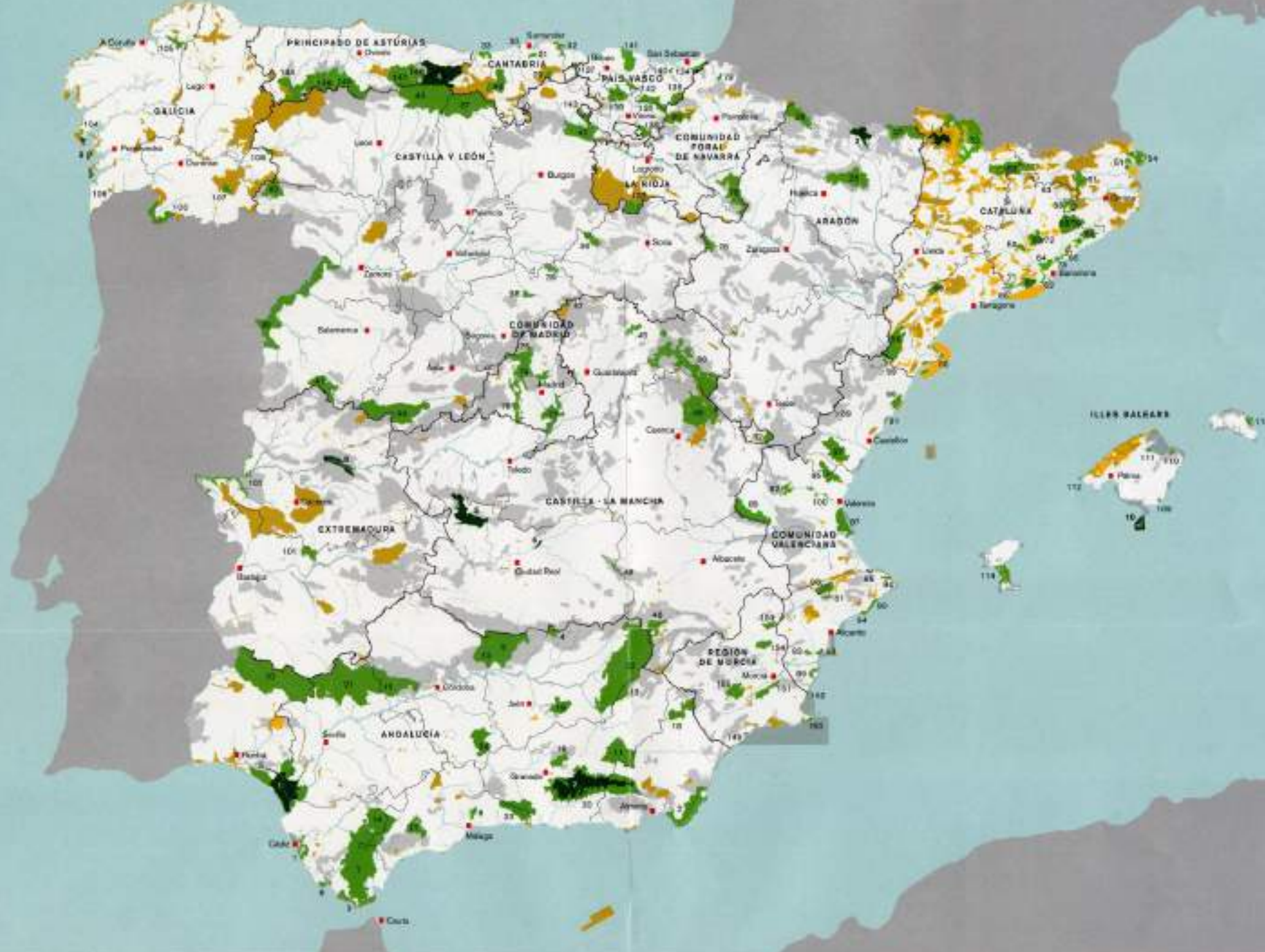
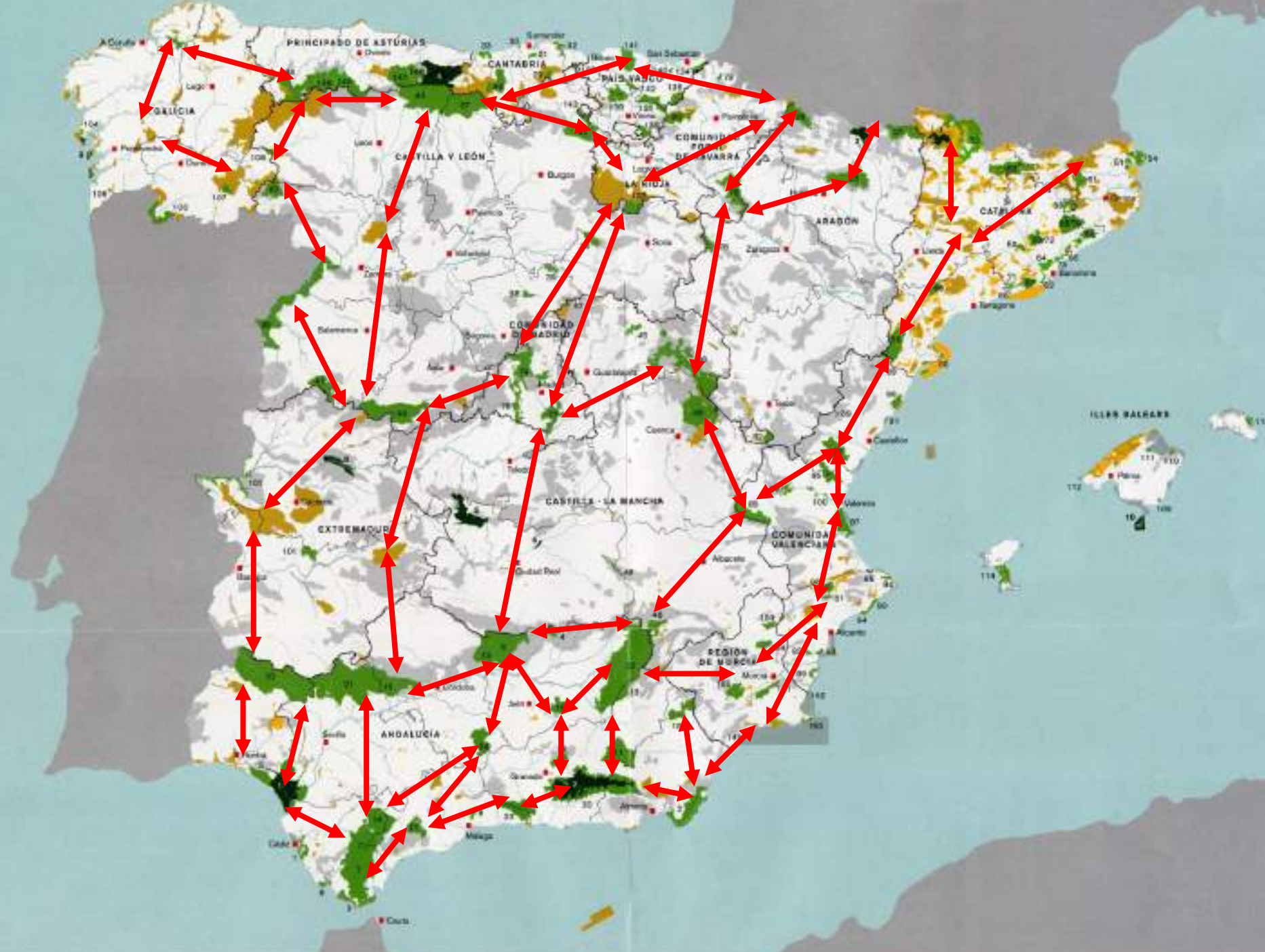


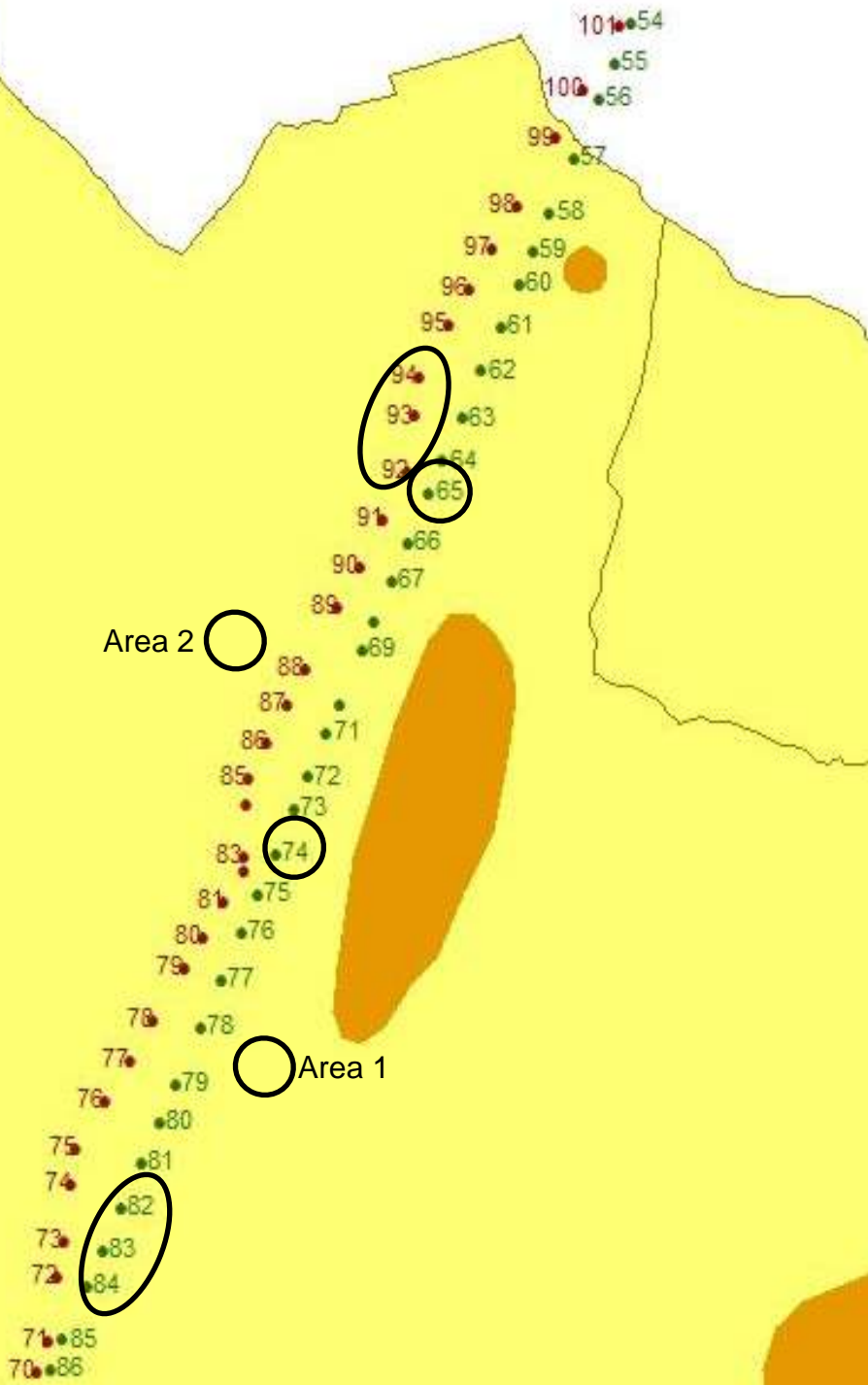
Potential Use of Transmission Power Lines as Stepping Stones

The background image shows a hillside covered in rows of olive trees, with high-voltage power lines and towers visible in the distance under a clear blue sky. The text is overlaid on the top half of the image.

Green infrastructures?







Two power lines in parallel:

- Green dots: Old Power Line
- Red dots: New Power Line

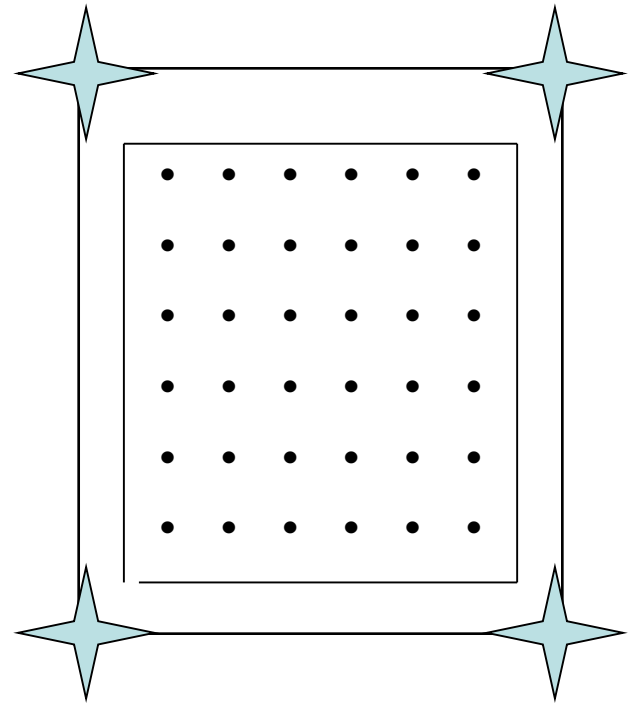
Selected pylons:

- Old power line: 82, 83 and 84
- New power line: 92, 93 and 94
- Control old power line: 65 and 74
- Control outside: Area 1 and Area 2



Plant with native species in selected pylons:

- *Crataegus monigyna*
- *Rosa* s.p.
- *Rhamnus alaternus*
- *Myrtus communis*
- *Phyllirea angustifolia*
- *Retama sphaerocarpa*



- Specific shelter for small mammals with stones.
- Surround with fences to avoid plant predation.





- Eight Sherman live traps inside each pylons.
- Checked once per day during five days in each season.
- Several variables are taken to captured small mammals.



Bird observation surveys in each selected pylons during one day per month.





- Traps for insects in each selected pylons.
- Checked once per day during five days in each season.
- Collected all in laboratory.

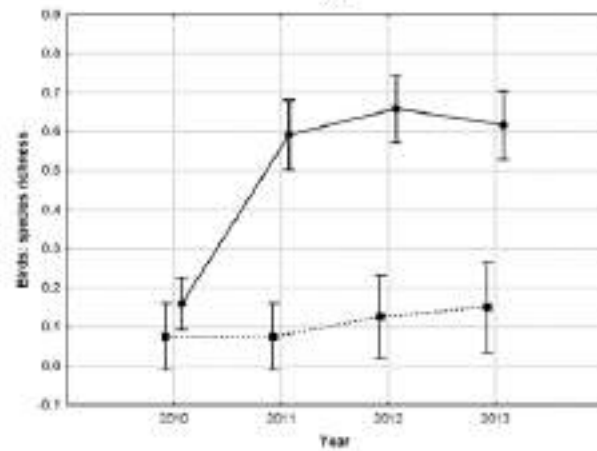
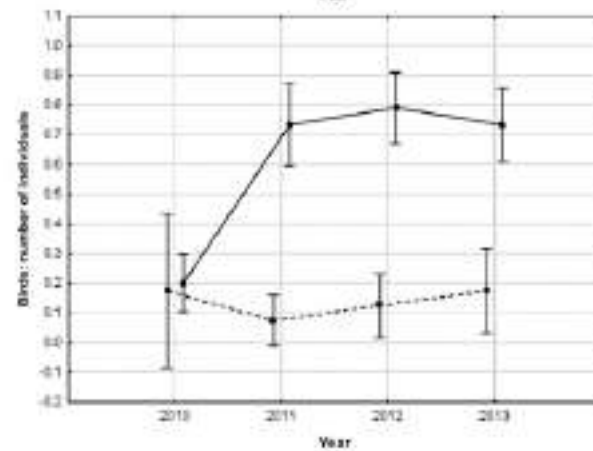
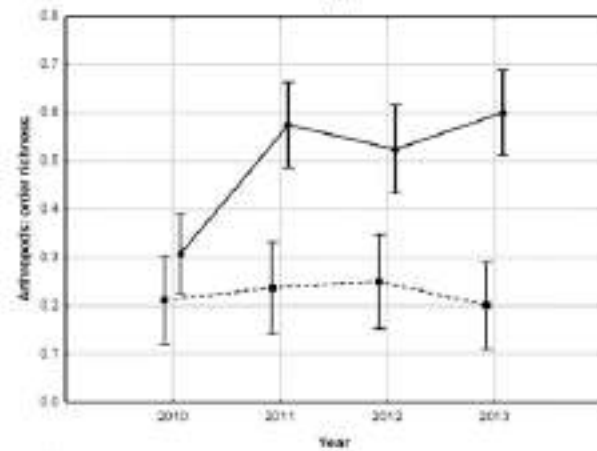
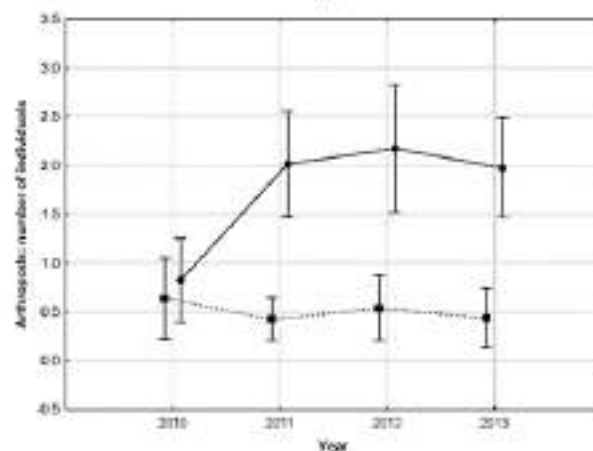
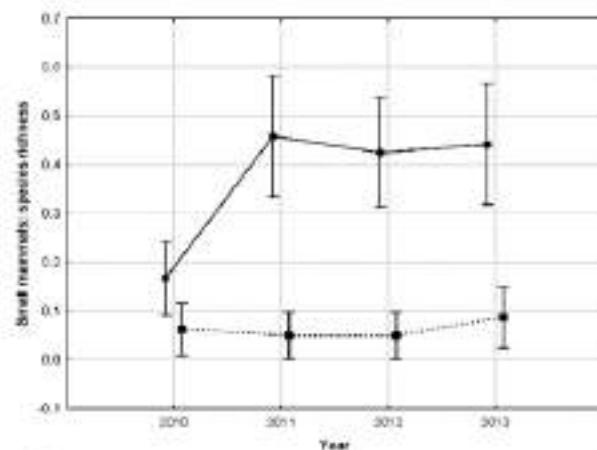
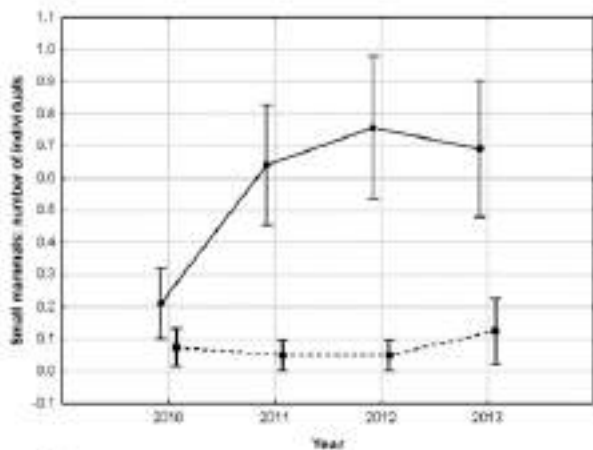


PRELIMINARY RESULTS



Pylon	Type	Small mammals	Bird observations
65	Control	0	21
74	Control	0	7
82	Plant	2	37
83	Plant	4	13
84	Plant	52	9
92	Plant	0	53
93	Plant	3	23
94	Plant	0	27
Area 1	Control	0	
Area 2	Control	0	

- Total number of small mammals and birds detected during the different observations.
- Data from insect traps is not yet analysed.



First record of Blue Kite (*Elanus caeruleus*) breeding in power lines





Increases of local biodiversity

Facilitate dispersal of target species



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