

The impact of power lines on Great Bustard in Slovakia - history and current knowledge on mitigation measures



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Scientific Symposium “PROGRESS IN THE RESEARCH AND CONSERVATION OF THE GREAT BUSTARD IN EUROPE”, 18-19 September 2023

18.09.2023, Marek Gális, Raptor Protection of Slovakia

35 000 km



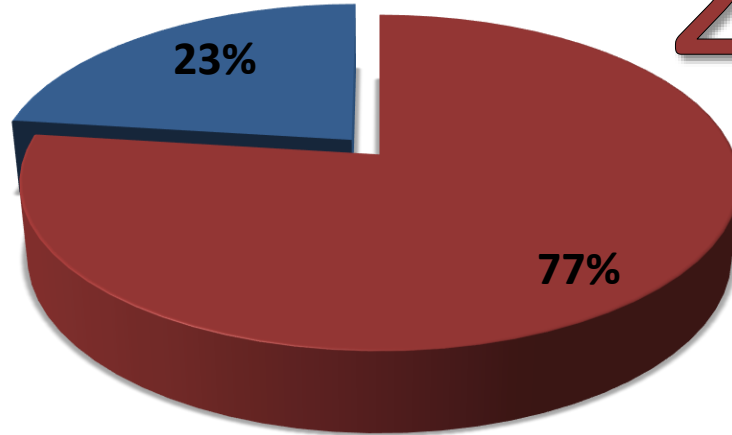
22 kV - 110 kV - 220 kV - 400 kV





908

2992

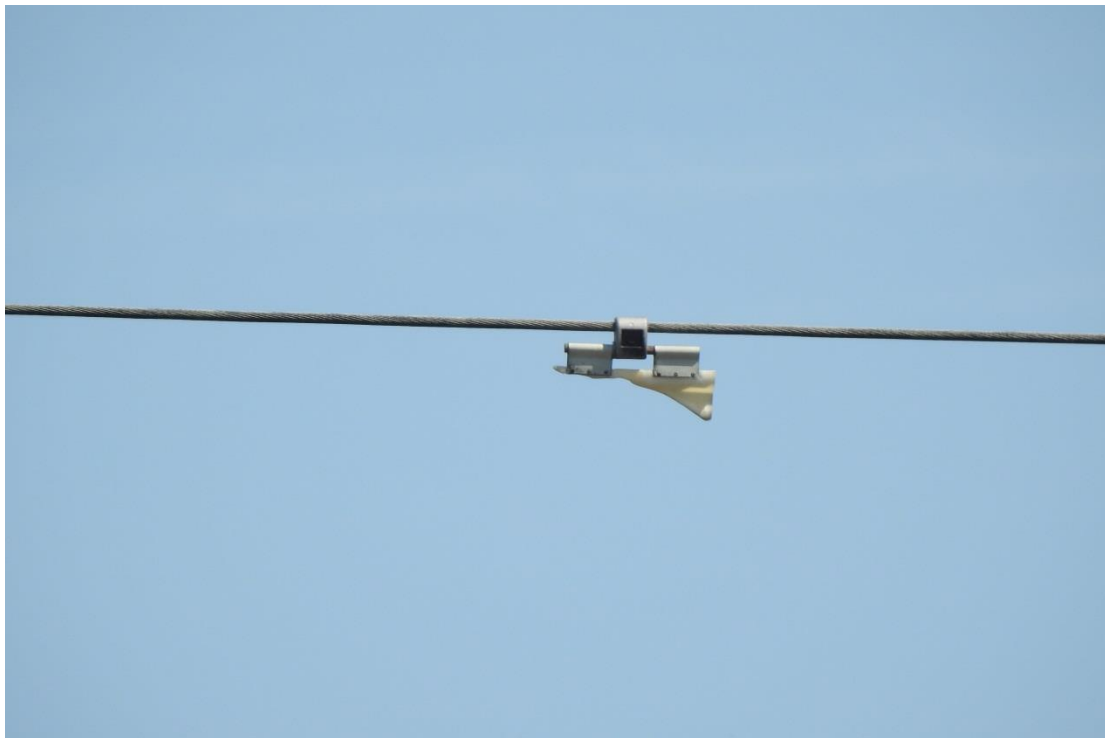


-  electrocution
-  collision



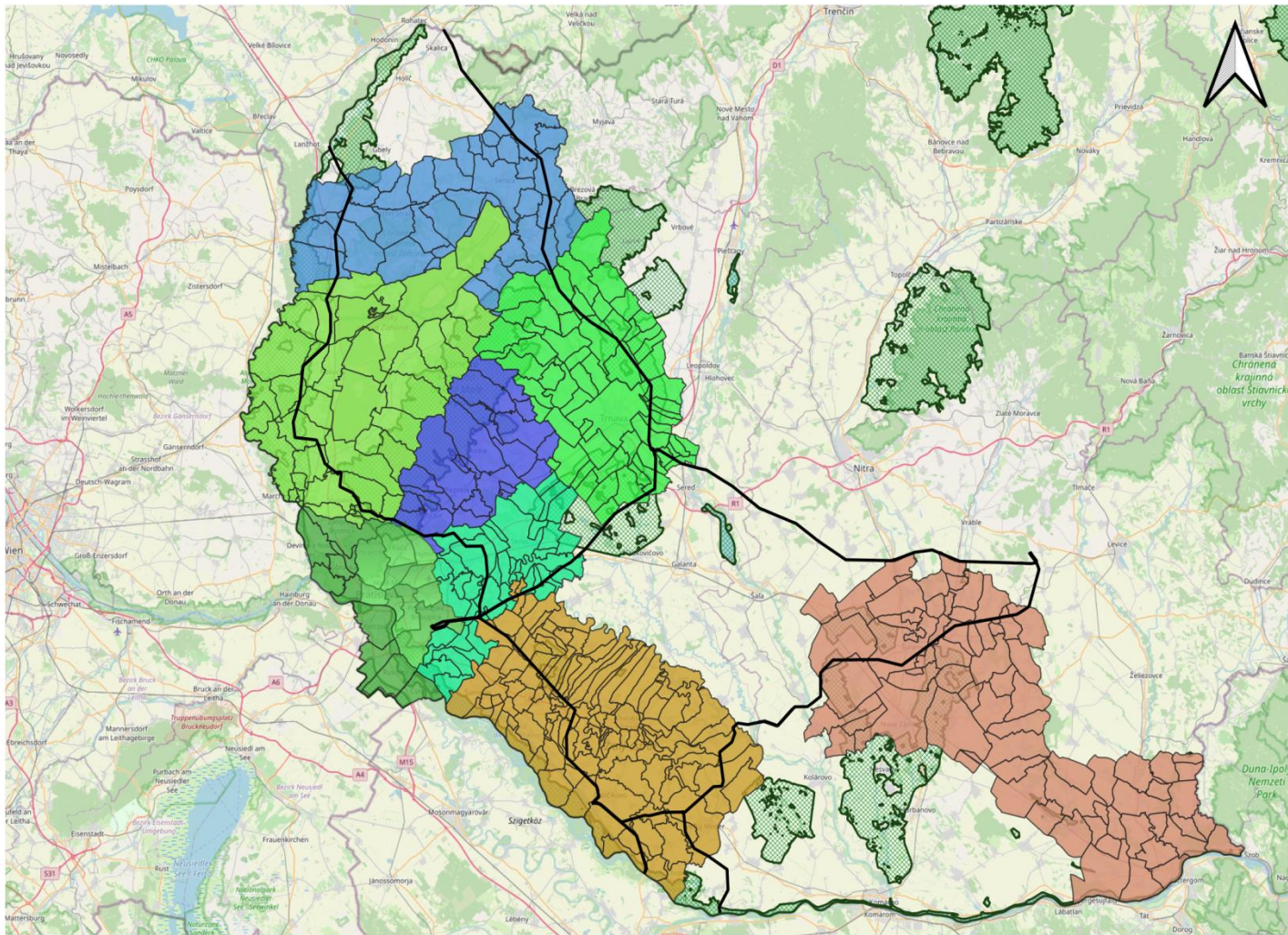
SPA Lehnice

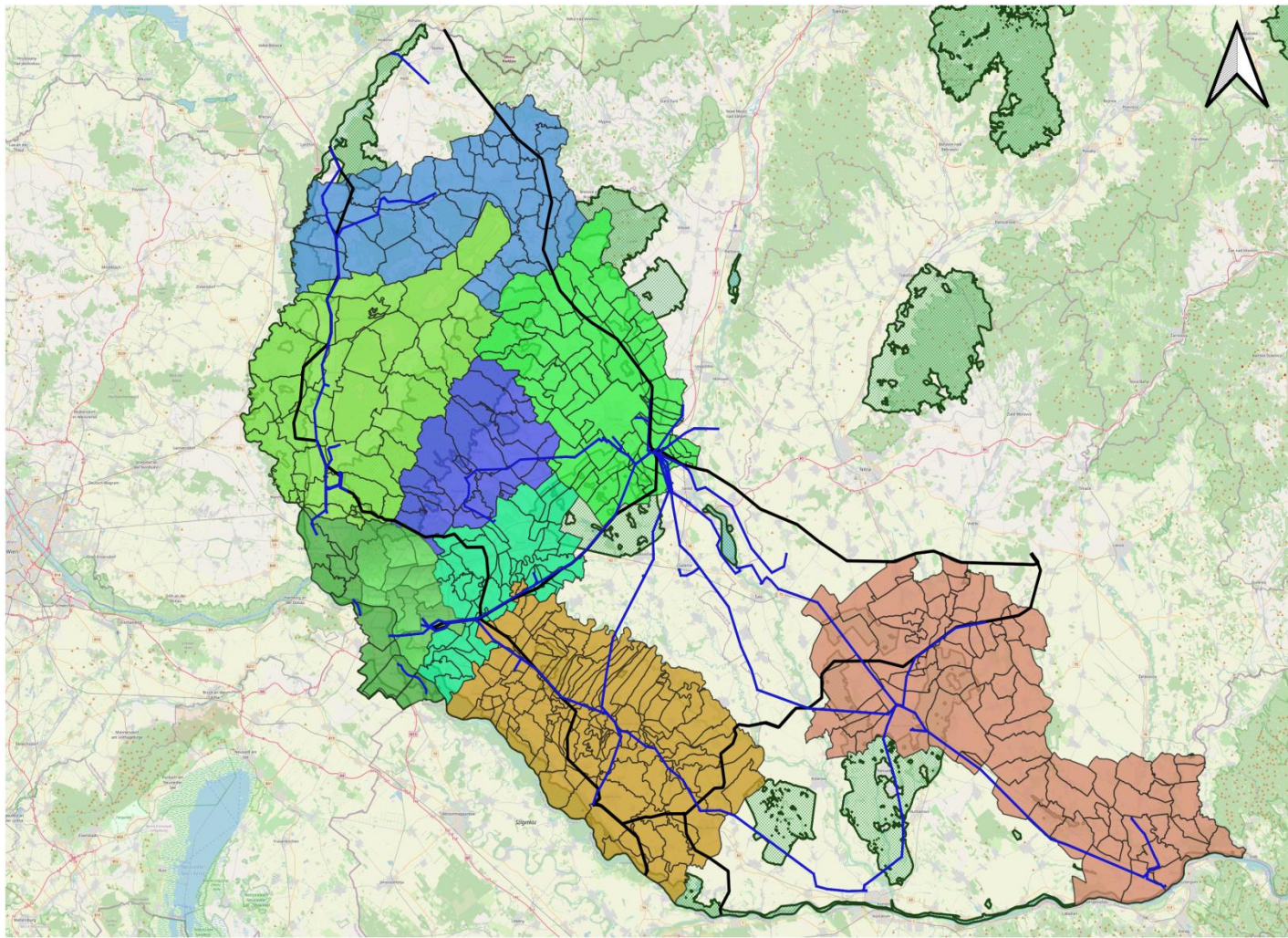
110 kV

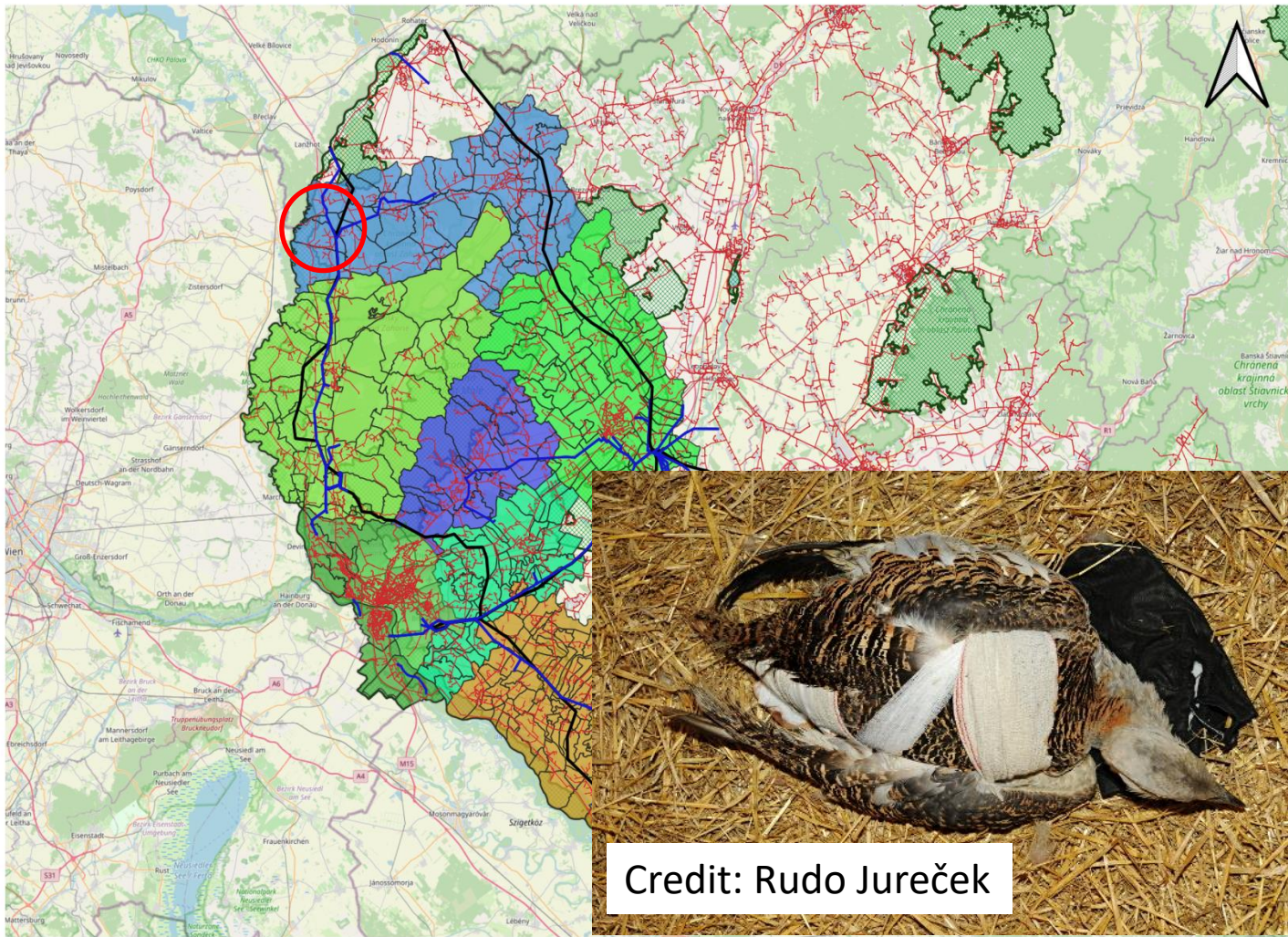


SPA Ostrovné lúky



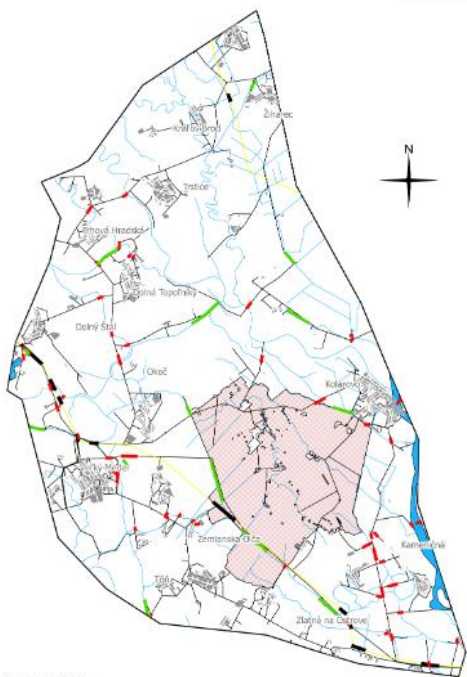






Credit: Rudo Jureček





LEGEND:

- SPA SKCHVU019 Ostrovné lúky
- Area of baseline survey - Action C1
- 22 kV power lines/ línia 22 kV el. vedenia
- 110 kV power lines/ línia 110 kV el. vedenia
- area for restoration of windbreaks
územie navrhované pre výsadbu vetrolamov
- 22 kV power lines suggested for installation of bird flight diverters
úseky 22 kV vedenia odporúčané na inštaláciu zviditeľňovacích prvkov
- 110 kV power lines suggested for installation of bird flight diverters
úseky 110 kV vedenia odporúčané na inštaláciu zviditeľňovacích prvkov



0 5 10 15 km

1:150000



LIFE19 NAT/SK/001023 LIFE DANUBE FREE SKY



SKCHVU019 Ostrovné lúky



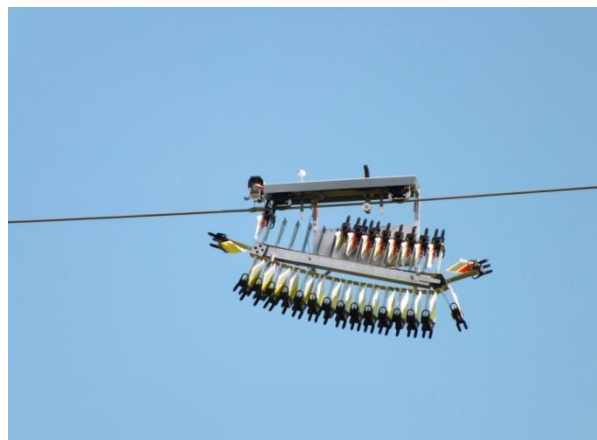
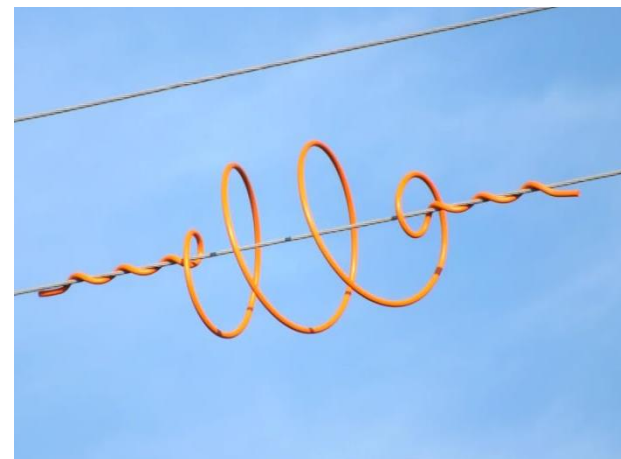
LEGEND:

- SPA SKCHVU019 Ostrovné lúky
- Other project SPA
- Project area - Field survey and measures (C1, C2, D1)
- Power lines 22 kV — Power lines 110 kV — — Power lines 400 kV
- Poles of 22 kV lines suggested for insulation
- Power lines 110 kV suggested for installation of bird flight diverters
- Power lines 400 kV suggested for installation of bird flight diverters
- Notice board
- Improved feeding conditions
- Area with installed nest boxes for european roller (No. 1,2 and 3 on map)









3 760 reactions of more than 34 000
birds (84 bird species)



Almost 100% of efficiency of each type of
diverters



22 03 2022





70 km

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THANK YOU FOR ATTENTION



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