Shared Airspace: Innovative approaches for a bird-friendly electricity grid

Liam Innis Manager – Energy Ecosystems Renewables Grid Initiative



29/07/2022

1



RGI – a unique cooperation between industry and civil society

RGI is a unique collaboration of NGOs and TSOs from across Europe engaging in an 'energy transition ecosystem-of-actors'. We promote fair, transparent, sustainable grid development to enable the growth of renewables to achieve full decarbonisation in line with the Paris Agreement.



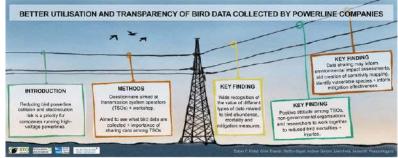


RGI & Bird Protection





Renewables Grid Initiative



Better utilisation and transparency of bird data collected by TSOs



19 | Environmental Protecti

Mainstreaming soaring bird conservation in the energy sector in Jordan

ecological requirements and bird conservation.

by Royal Society for the Conservation of Nature (RSCN)



 Developed national safeguards for wind farms to protect 37 soaring bird species (of which 16 primary, highly-vulnerable species), which were adopted by the government

Jordan's Royal Society for the Conservation of Nature (RSCN) established a na-

tional online database and implemented several other measures to monitor

and mitigate migratory bird collisions and electrocution around energy infra-

structure. This platform encourages wind energy project planning that supports

- were adopted by the government

 Created online monitoring database with a mobile application for "on
- the spot" data collection
- Developing similar partnerships and protections for birds around powerlines in Jordan

About the Practice:

Jordan's energy strategy has prioritised solar and wind power. The new wind

Objective Osprey

ear Organisation

25 65556

Description

Launched in 2016 during the Réseau de Transport of Electricité's (RTE) Nature Festival, the 'Objective Osprey' project brings together ONF (National Forestry Office), the environmental association Loiret Nature Environment (LNE), RTE and the City of Orleans around a common goal: the preservation and improvement of knowledge of the Osprey (balbuzzard), an emblematic bird of prey in the Centre Val de Loir eregion.

To do this, cameras have been set up to observe Osprey nests. This process has proven to be effective in observing the species in its nest without generating disturbance (historical camera set up in 2000 by LNE on the site of the Ravoir pond, camera installed in 2016 by RTE on pylons in Sologne where ospreys have built their nests). The images collected are a valuable source of information to deepen knowledge about the species (behaviour, diet, sources of predation etc.) and allow also to communicate about the Osprey, a species that remains rare and vulnerable on a national scale.

This project is based on three pillars:

Year 2017

Description

Italian TSO Terna monitors migratory birdlife between the region of Calabria and the island of Sicily in order to assess the impact of a new overhead line (OHL). Two radars were used to collect Scientific and measured evidence of the number of birds passing the corridor line, their migratory routes and their flying height.

Radar monitoring on the Strait of Messina

Organisation

Highlights:

No measurable impact on bird traffic caused by the overhead line
 Proved the importance of the Strait of Messina as a birds' migratory corridor as
evidenced by the large amounts of registered passages

Scoper

Although the practice was applied across the Sorgente-Rizziconi OHL, it can be replicated in other similar settings. However, as the practice is expensive and requires the involvement of highly specialised and numerous researchers, it is suitable only for OHLs crossing important habitats.









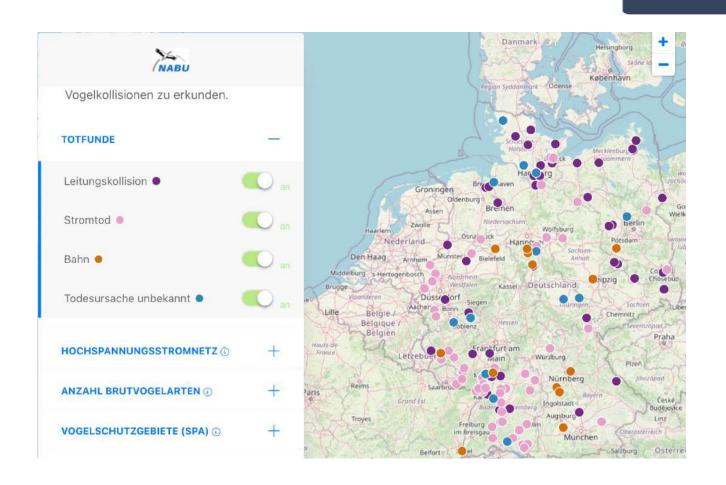
Agenda

| 11:30 – 11:40 | Welcome and Introduction Liam Innis - RGI |
|---------------|--|
| 11:40 – 12:00 | Electrocutions & Collisions in the EU – NABU / RPS Eric Neuling, Deputy Head & Bird Conservation Officer - NABU |
| 12:00 – 12:20 | Nationwide risk mapping for bird protection in Belgium Dominique Verbelen, Scientific Officer - Natuurpunt |
| 12:20 – 12:35 | Collaborative 'Bird Portal' in Germany <i>Liam Innis, Manager – Energy Ecosystems - RGI</i> |
| 12:35 – 13:00 | Open discussion |



Bird Portal

Vogelfundportal









KONTAKT

Catherina Schlüter

Referentin für Vogelschutz



Bird Portal

Key figures

- Launched in 2017
 - 3rd phase in 2023



- 'IRD' Project
 - Implementing RGI Declarations



For now!













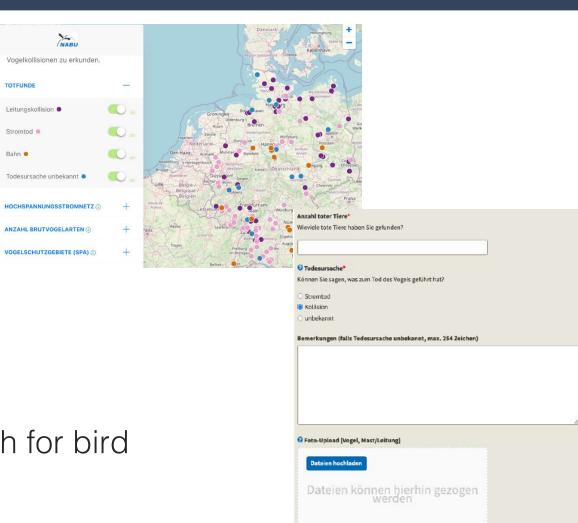






Collaborative, citizen science-based approach

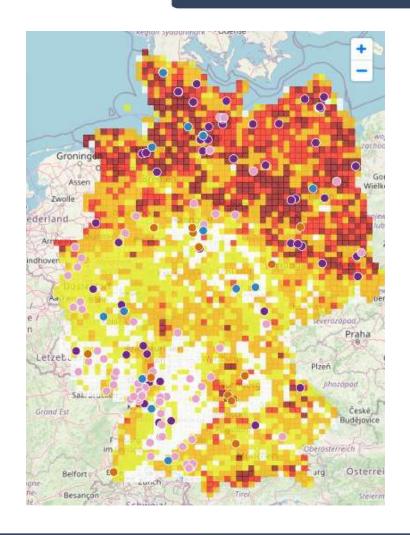
- Online report form & phone-hotline
 - Shown on interactive map
- Citizen science approach
 - 237 reports / 400 birds
 - ≈ 50 records per year
- Joint, systematic data collection
 - To improve knowledge base
 - To identify need to act & right approach for bird protection





Which data is used?



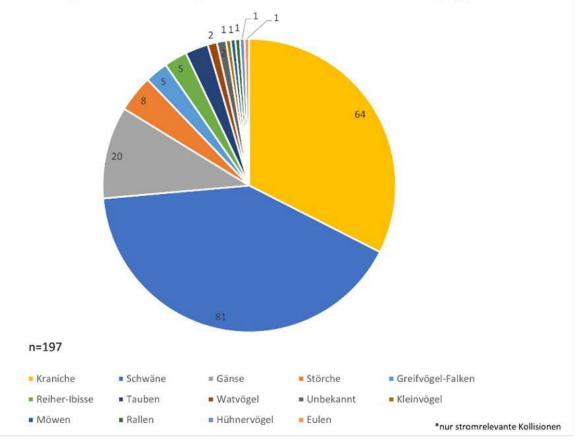




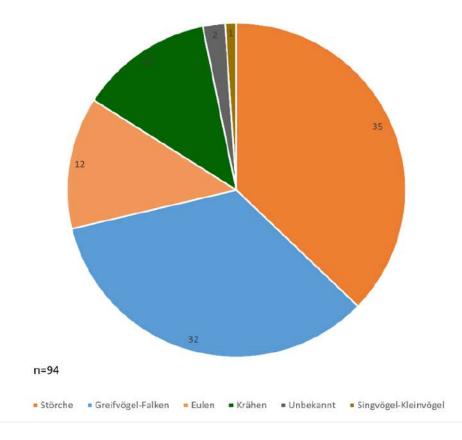


Some findings

Verteilung der Anzahl an Vögeln durch Kollisionen* nach Artengruppen



Verteilung der Anzahl an Vögeln durch Stromtod nach Artgruppe





More than just data!

- Ideal format for knowledge & best practice exchange
- 'AG Vogelmarkierung' Working group on Bird Markers
- Brochure and video material







Joint conference in September



Gemeinsamer Luftraum

Auf dem Weg zu einem vogelfreundlichen Stromnetz

September 28 9:30 - 17:00 MESZ

Dortmunder U Leonie-Reygers-Terrasse 44137 Dortmund





