



Bird protection around the grid – for nature protection and system security

Liam Innis, Manager – Energy Ecosystems

06. December 2023

Agenda




Time (CET)	Content
10:00 – 10:15	Welcome & Introductions
10:15 – 10:20	RGI Introduction Liam Innis
10:20 – 10:27	Bird mortality in Greece HOS
10:27 – 10:32	Live input from DSO Tihomir Topalov - ERM Zapad
10:32 – 10:35	Video statement from DSO Michael Wahl - Westnetz
10:35 – 10:42	Statement from TSO Lars Haarhof - Amprion
10:42 – 10:45	Video statement from TSO Frédéric Dunon - Elia
10:45 – 10:55	Solutions & implementation issues Liam Innis - RGI
10:55 – 11:25	First Q&A
11:25 – 11:35	COFFEE BREAK

Agenda

11:35 – 11:50	Practical solutions & policy in EU Marek Galis
11:50 – 12:00	Protected areas in Greece and the legal framework Sylvia Zakkak - NECCA
12:00 – 12:30	Second Q&A
12:30 – 12:45	Belgium case Dominique Verleben - Natuurpunt
12:45 – 12:55	Guidance to developing national avifauna-powerline guidelines Nikos Tsiopelas - HOS
12:55 – 13:00	SafeLines4Birds Manon Quetstroey - RGI
13:00 – 13:05	Bird Portal Liam Innis - RGI
13:05 – 13:30	Third Q&A
13:30 – 13:40	Final words

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.



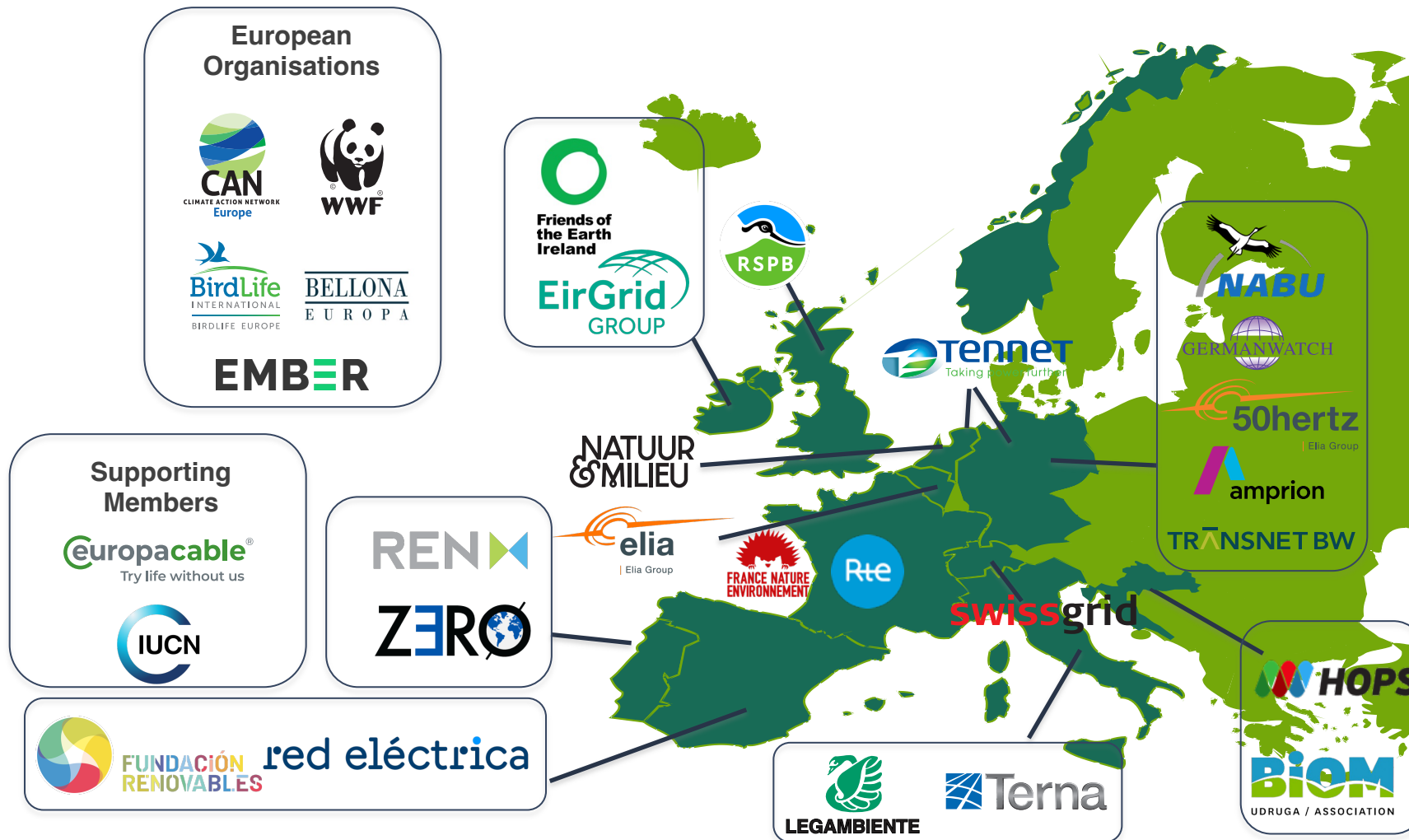
Renewables Grid Initiative

Supporting Member: **europacable**[®] Try life without us **IUCN**

amprion **REN** **elia** | Elia Group
EirGrid GROUP **Rte** **HOPS**
Terna **tennet** Taking power further
TRANSNET BW **50hertz** | Elia Group
Statnett **swissgrid**
red eléctrica

LEGAMBIENTE **RSPB** **EMBER**
GERMANWATCH **CAN** CLIMATE ACTION NETWORK Europe **BirdLife INTERNATIONAL** BIRDLIFE EUROPE **NATUUR & MILIEU**
WWF **Friends of the Earth** **BELLONA EUROPA**
FRANCE NATURE ENVIRONNEMENT **ZERO** **BIOM** UDRUGA / ASSOCIATION
NABU **FUNDACIÓN RENOVABLES**

What does 'European' really mean?



RGI topic areas

Technical and spatial dimension



Environmental dimension



Social dimension



- Understanding of spatial implications (of infrastructure development)
- Planning/ designing/ operating a decarbonised & optimised energy system
- Interactions of climate and energy science
- Reconciling energy and nature protection on land
 - Bird protection
 - Integrated vegetation management
- Offshore grids and wind energy
- European Advocacy
- Stakeholder Engagement
- Knowledge Collection and Good Practice Award

Bird-friendly grids through... communication

- Raising awareness among grid operators and the public

- Brochure, videos, social media campaign
- Reports & guidance materials
 - Data
 - Bird marker effectiveness
- Direct engagement with our Member



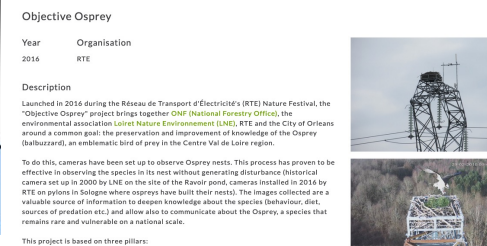
CURRENT INSIGHTS INTO AVAILABLE AVIAN MARKERS: A COMPREHENSIVE OVERVIEW

Criteria	Bird Flappers	Bird Mark Flapper	IBSE - Bird Flight Overlay	Line Pil
Operational Range According to Network & Number of Birds	40.7 km long	57.5 km long	40.7 km long	
Mounting Method	On-site	On-site	On-site	
Cost per unit, \$/€/€	€12 and €18	€18		
Weight per unit, kg	0.07 kg	0.1 kg		
Observation length, m/ft, cm	From 1.5 km to 0.5 km	20 km long x 20 km wide (40 km long x 20 km wide)	48 x 10 km x 48 x 10 km	
Colour	Red, Orange, Yellow, Green, Blue	Red, Orange, Yellow, Green, Blue	Red, Orange, Yellow, Green, Blue	
Transparency	Lowest to High	Lowest to High	Lowest to High	
Spring Monitoring to Research or Storage of Material	Spring & Winter	Spring & Winter	Spring	
Voltage Levels According to Distribution	11 - 110 kV	4.2 - 100 kV	1.2 - 100 kV	
Market Area	Mainly Greece but also France, Cyprus	Mainly Greece but also France, Cyprus	Mainly Greece but also France, Cyprus	
Species Resistant	Great Spotted Woodpecker, Lesser Spotted Woodpecker, Common Nuthatch, Great Crested Newt	Common Nuthatch, Great Crested Newt, Common Nuthatch, Great Crested Newt	Common Nuthatch, Great Crested Newt, Common Nuthatch, Great Crested Newt	
Market introduction and country (availability)	Produced in Greece and USA, global operation	Produced in Greece and USA, global operation	Produced in Greece	



- Disseminating best practices

- ‘Good Practice of the Year’ award
- Good practice database
- Topical ‘Energy & Nature’ webinars



Bird-friendly grids through... advocacy

- Policy positions
 - e.g. Biodiv. strategy & Restoration Law

Nature is our business, our future, our life

Statement for an ambitious EU Nature Restoration Law



- Facilitating alignment between civil society/industry
 - 'Impulses for Action' - German national-level engagement
 - Replication at EU-level
 - Trainings for civil society



GINGR

- To facilitate actors to **demonstrate progress** towards ET & biodiversity
- **Uniform monitoring & reporting** of infra impacts on biodiversity
- Building on IUCN existing tools e.g. STAR & IBAT
- **First step:** Gather feedback & input from industry, NGOs, IFIs & govts.



Thank you!



[+49 30 7677 19455](tel:+4930767719455)

liam@renewables-grid.eu

www.twitter.com/renewablesgrid

www.renewables-grid.eu