



Funded by the
European Union



European Union Network for the
Implementation and Enforcement
of Environmental Law

Implementation of the Birds and Habitats Directives at European Aerodromes

BIRDS @ AERODROMES

An IMPEL project

MEET THE TEAM

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IMPEL



- The European Union Network for the **IM**plementation and Enforcement of Environmental **L**aw (IMPEL)
- An international non-profit organisation of **environmental authorities**
- Founded in **1992**. Legal seat in Brussels; <https://www.impel.eu>
- **55 members authorities** from **36 European countries**
- **>850 involved experts**





- The European Union Network for the **IMP**lementation and Enforcement of **E**nvironmental **L**aw (IMPEL)



INDUSTRY AND AIR

Industry and Air



WATER AND LAND

Water and Land



WASTE AND TFS

Waste



NATURE PROTECTION

Nature Protection



IMPEL Nature Protection

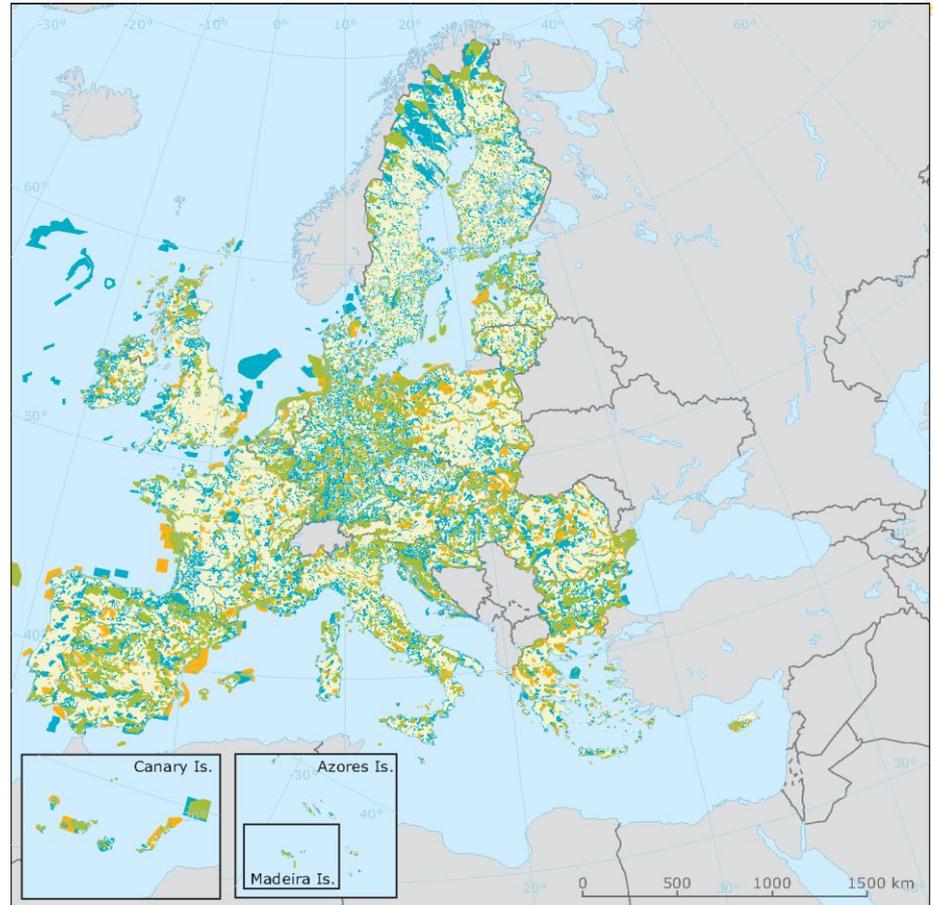


Focus on practical implementation and enforcement of European Union Nature legislation:

Birds Directive (1979)

Habitats Directive (1992)





NATURA 2000

- Sites—or parts of sites—belonging to both Directives
- Habitats Directive sites, pSCI, SCI, SAC
- Birds directive sites (SPA)
- Outside coverage

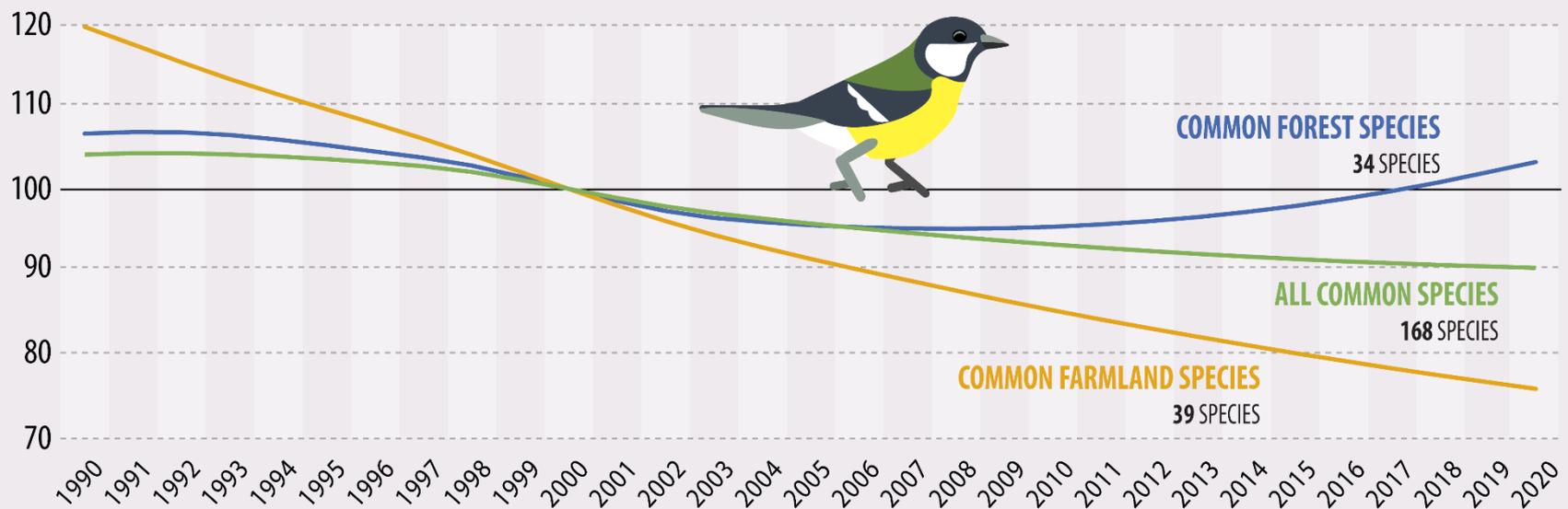
European Environment Agency



What is the result of all efforts?

EU common bird indices, 1990 – 2020

(index 2000 = 100)

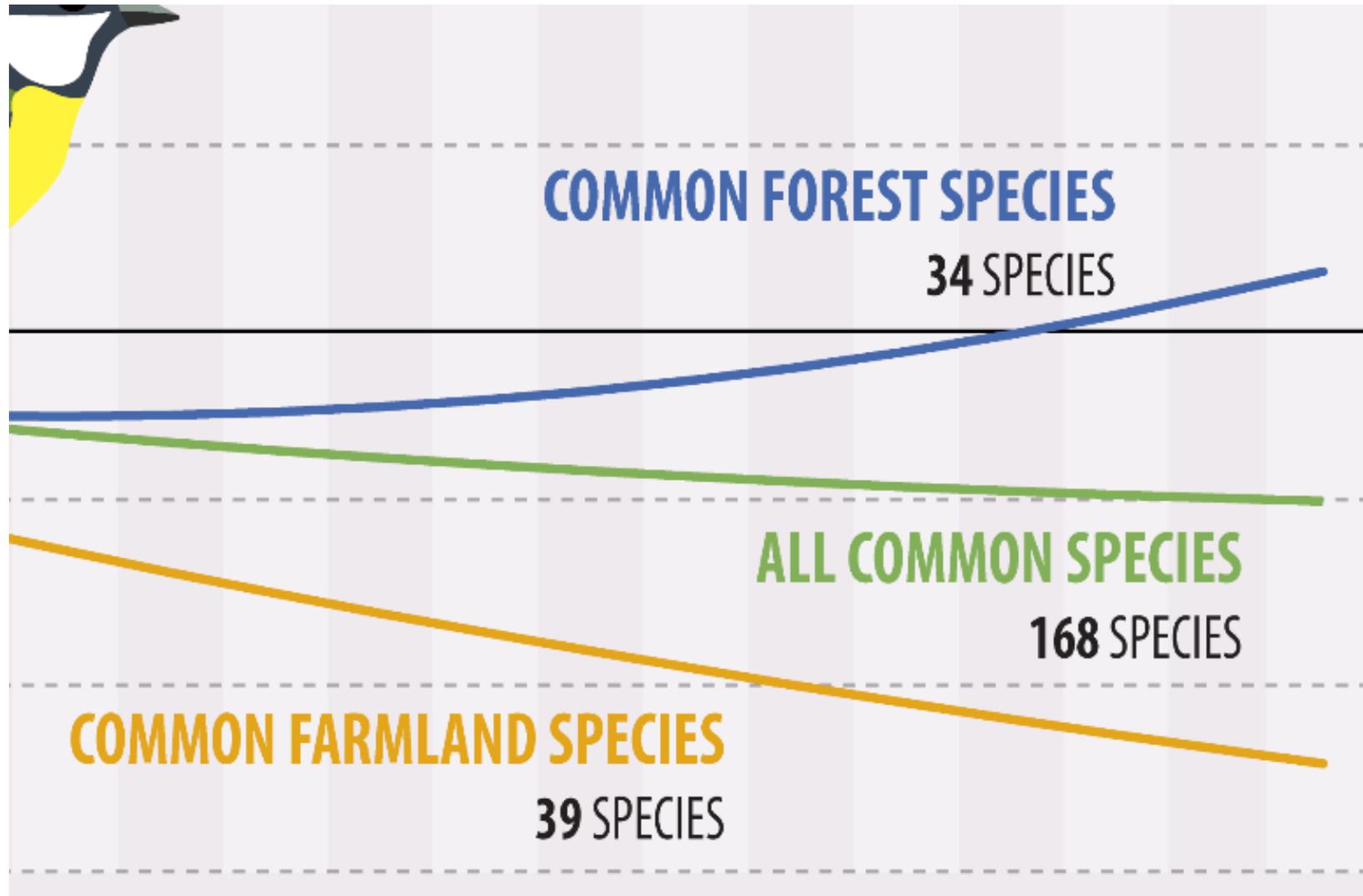


2020: data are estimated.

Malta: data not available. As a result, the EU indices are based on 26 EU Member States.

Sources: European Bird Census Council (EBCC); national BirdLife organisations; Royal Society for the Protection of Birds (RSPB); Czech Society for Ornithology (CSO)

What is the result of all efforts?





EU Biodiversity Strategy for 2030

Bringing nature back into our lives

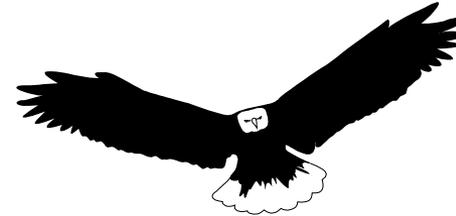


Key pillar of the
EU Green Deal

flight safety



nature protection



Dr. Michał Skakuj

Regulations ~ flight safety



UNITED NATIONS



International Civil Aviation Organisation





EASA
European Aviation Safety Agency



*Easy Access Rules for Aerodromes (Regulation (EU)
No 139/2014)*

*Annex IV — Part-ADR.OPS
SUBPART B — AERODROME
OPERATIONAL SERVICES,
EQUIPMENT AND INSTALLATIONS
(ADR.OPS.B)*

ADR.OPS.B.020 Wildlife strike hazard reduction

Regulation (EU) No 139/2014

The aerodrome operator shall:

- (a) assess the wildlife hazard on, and in the surrounding, of the aerodrome;
- (b) establish means and procedures to minimise the risk of collisions between wildlife and aircraft, at the aerodrome; and
- (c) notify the appropriate authority if a wildlife assessment indicates conditions in the surroundings of the aerodrome are conducive to a wildlife hazard problem.

Regulations ~ nature conservation



UNITED NATIONS



UNEP
United Nations
Environment Programme

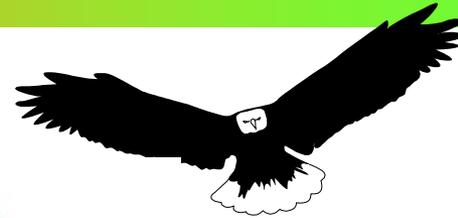
The image shows the cover of a brochure titled "The EU Birds and Habitats Directives". At the top, there is a logo for the European Commission, which includes the European Union flag and the text "European Commission". Below the logo is a photograph of several puffins standing on a rocky outcrop. The background of the photograph is a clear blue sky. At the bottom of the brochure, there is a teal-colored banner with the text "The EU Birds and Habitats Directives" in white. Below this banner, there is a smaller teal banner with the text "For nature and people in Europe" in white, followed by the Natura 2000 logo.



flight safety



nature protection



UNEP
United Nations
Environment Programme



Derogation: Not possible
→ Flight safety is nr 1 priority

Derogation: yes, but!

flight safety



nature protection



EU BIRDS DIRECTIVE – Article 9



1. Member States **may derogate** from the provisions of Articles 5 to 8, where there is **no other satisfactory solution** for the following reasons:

- (a) – in the interest of public health and safety.
– **in the interests of air safety,**

WHM Strategies



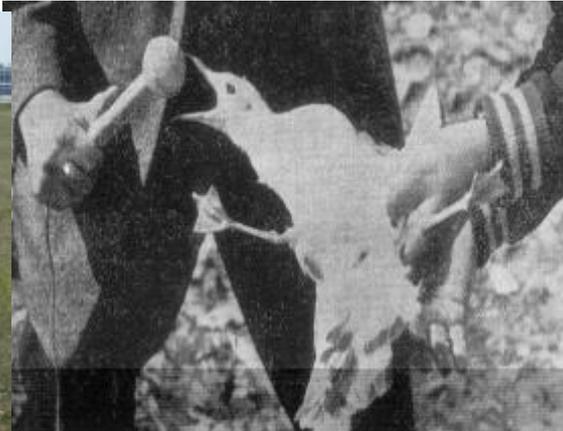
KILL

RELOCATE

EXPEL / HARASS

HABITAT MANAGEMENT (fence -
vegetation - water - infrastructure)

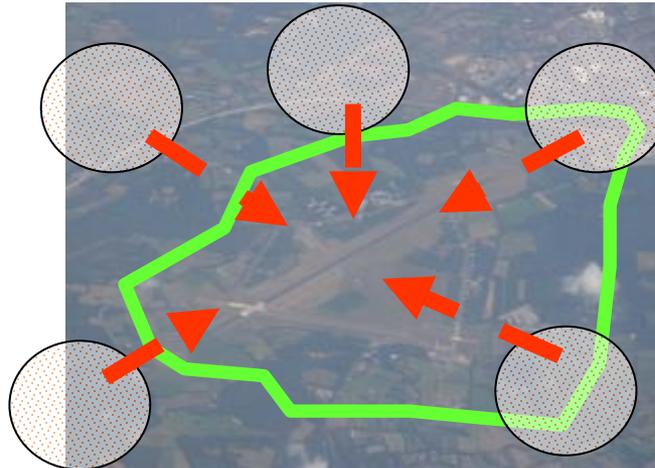
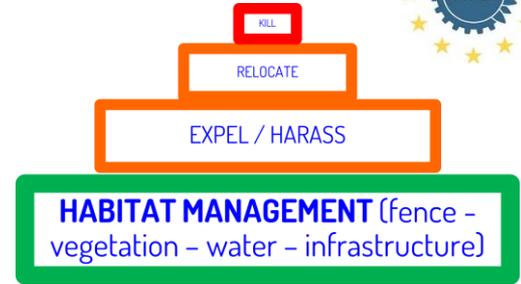
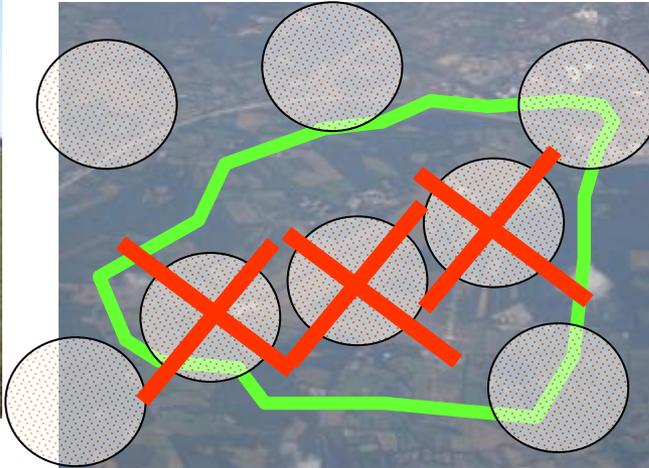
Harassment techniques



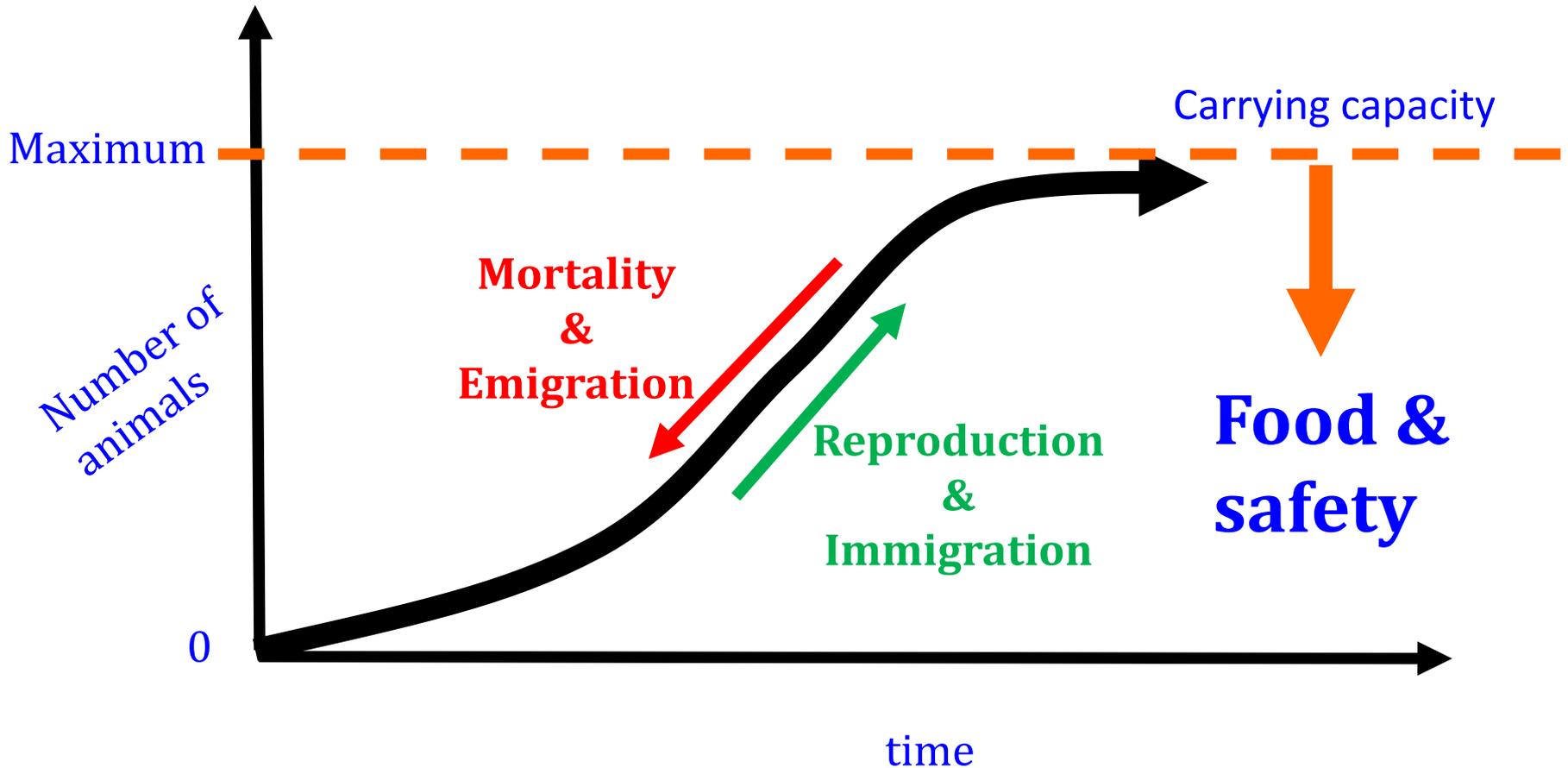
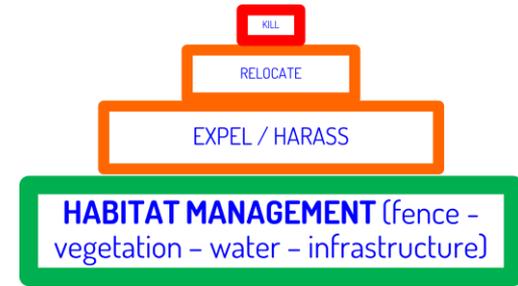
HABITAT MANAGEMENT (fence - vegetation - water - infrastructure)



Trap and relocate



Ecological Carrying Capacity



Flight safety $\leftarrow \rightarrow$ Nature Conservation



Flight safety \leftrightarrow Nature Conservation



Flight safety \leftrightarrow Nature Conservation



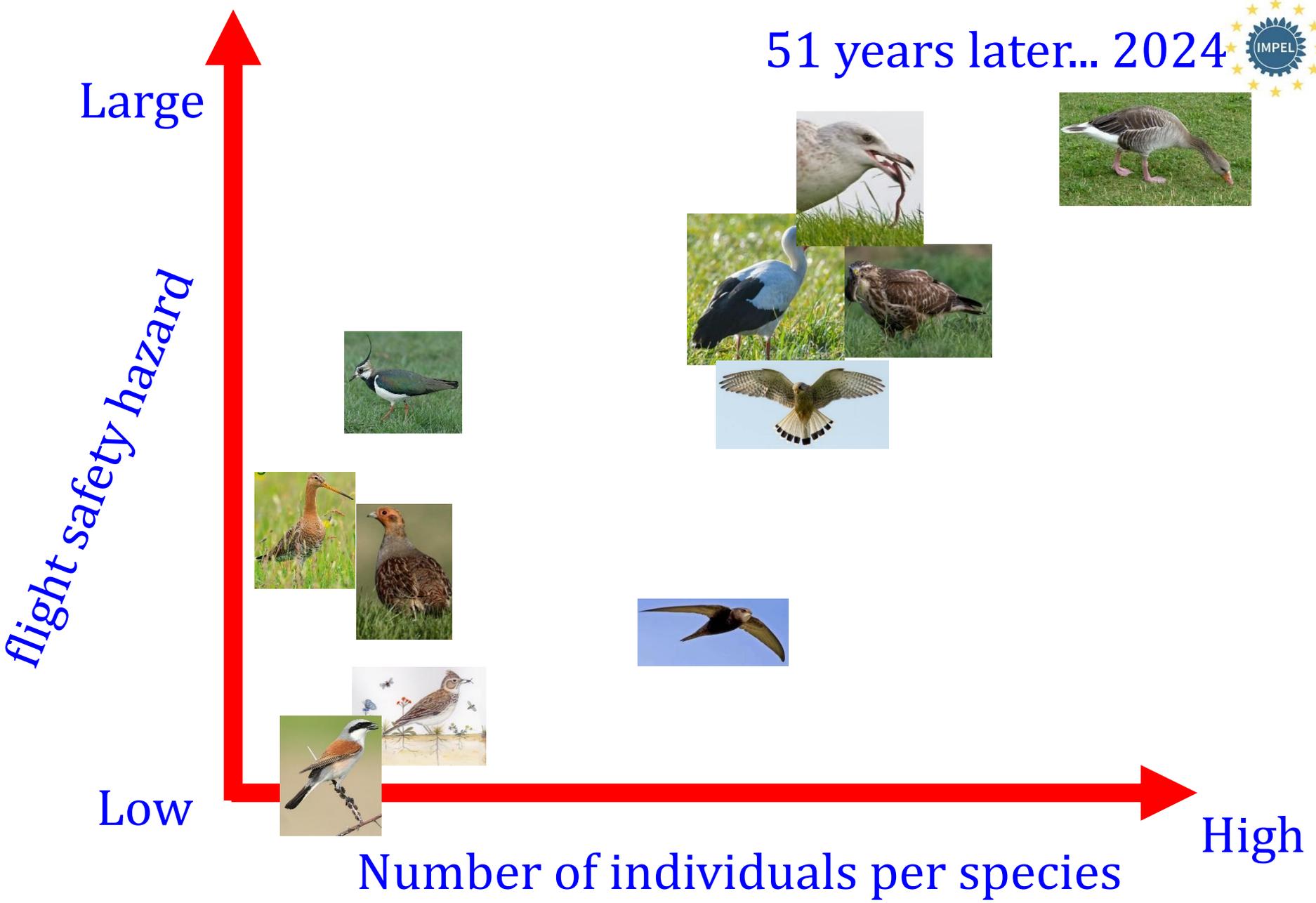
Flight safety \leftrightarrow Nature Conservation



Flight safety \leftrightarrow Nature Conservation



51 years later... 2024



Large

flight safety hazard

Low

Number of individuals per species

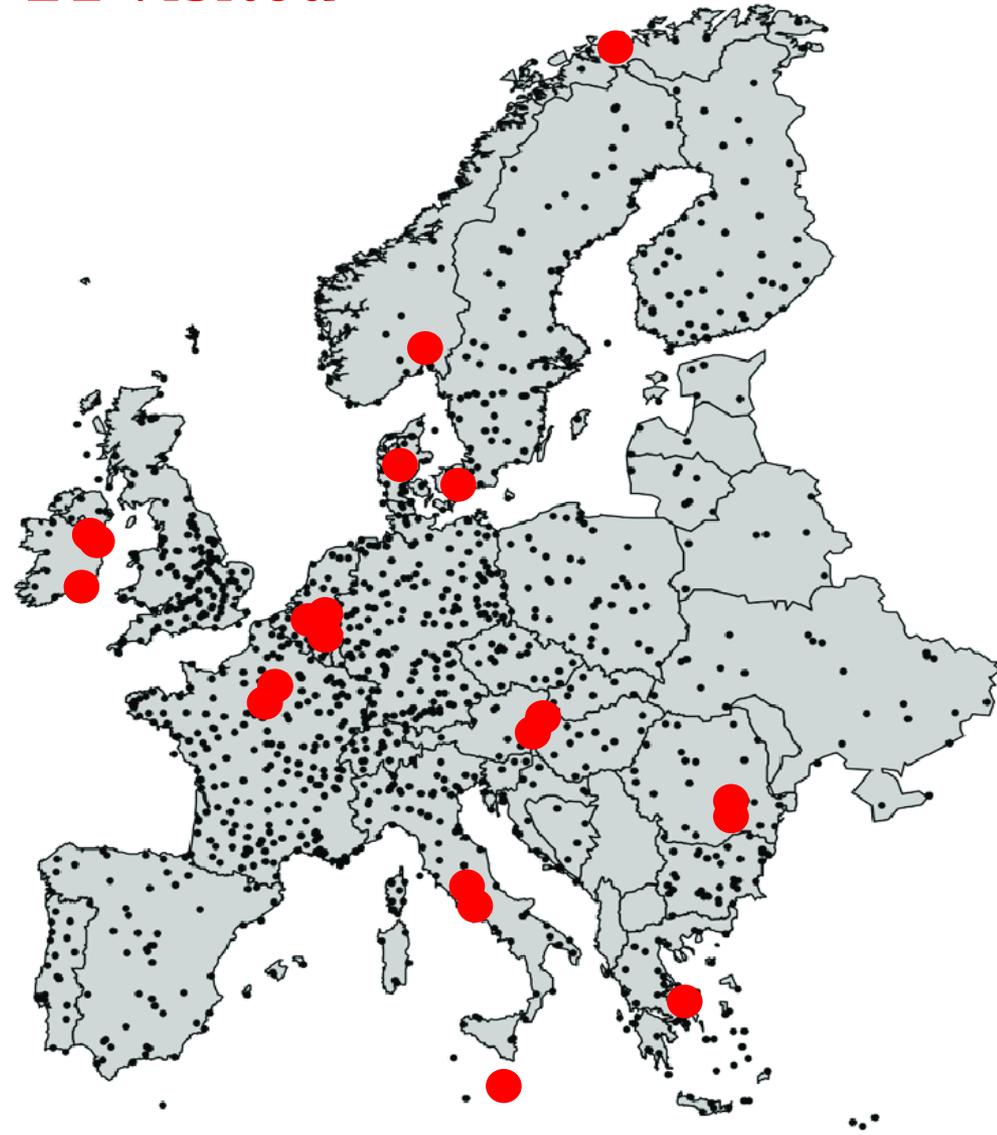
High



Questions to be addressed

1. Which species / numbers are present at the European aerodromes?
2. How many animals are hit by aircraft in Europe?
3. How many are killed / relocated / harassed ~ the derogation?
4. How is the process to issue, execute and oversight ~ the derogation?
5. What are the good / better / best WHM practices at aerodromes?
6. What are good / better / best practices for a win – win situation for both flight safety and nature conservation?

Aerodromes in Europe - 21 visited



20 °C isotherm



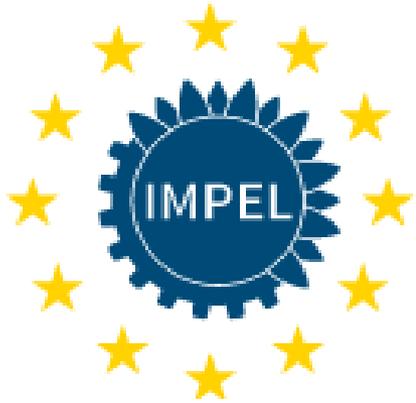


European Union Network for the
Implementation and Enforcement
of Environmental Law



Birds Directive @ Aerodromes Conference

20-21-22 November 2024
Paris Orly Int Airport



European Union Network for the Implementation
and Enforcement of Environmental Law

Thank you!

Website: www.impel.eu