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**FAA**  
Office of Airports

# Proposed Initiatives to ICAO - 2020

- 1) *Update the ICAO Birdstrike Information System (IBIS) Manual Doc 9332 (3rd edition published 1989) Q4 2023*
- 2) *Permit International Data Access and Data Sharing Q4 2024*

**ADOP.015.03 Job Card formalized 2 February 2021**

***“Enhance global aviation safety by improving international reporting of wildlife/aircraft strike incidents as well as international data access and data sharing.”***

# Update the IBIS Manual – Why?

- ✓ ALL existing sections of Manual require updating; new sections needed
- ✓ ECCAIRS - aka: the European Coordination Centre for Accident and Incident Reporting System has recently been updated
- ✓ New software systems (e.g., Microsoft Excel) routinely used for recording / submitting strike data
- ✓ Doc 9137 (2020) defined wildlife / aircraft strike but there is no standardized definition of WHAT should be reported as a strike
- ✓ No universal minimum standards for strike report forms

# Update the IBIS Manual – Why?

- ✓ No guidance re: strike data collection or documentation procedures for member States (who, what, when, where, why, how)
- ✓ No guidance on strike data validation (QC/QA)
- ✓ No guidance on basic data analyses (why? how? Metrics, KPI's)
- ✓ No guidance standardizing key word usage (e.g., strike=bird strike=birdstrike=wildlife strike?, report vs document, snarge vs remains, etc.)

## 2<sup>ND</sup> ICAO Initiative:

# *International Data Access / Sharing*

CHALLENGES: Re: Strike Data From ICAO Member States

- ✓ IBIS DATA UNAVAILABLE / INACCESSIBLE
- ✓ STRIKE DATA INCOMPLETE / INACCURATE FOR MOST STATES
- ✓ MUST USE ECCAIR SYSTEM TO ACCESS INDIVIDUAL NATION'S DATA IF THEY USED ECCAIRS

CONSEQUENCES: Of Incomplete Data Within Member States

- ✓ RISK MANAGEMENT NEGATIVELY IMPACTED
- ✓ FINANCIAL & RESOURCE MISMANAGEMENT
- ✓ PROGRAM EVALUATION NEGATIVELY IMPACTED
- ✓ MAY RESULT IN AERODROMES BEING OUT OF COMPLIANCE

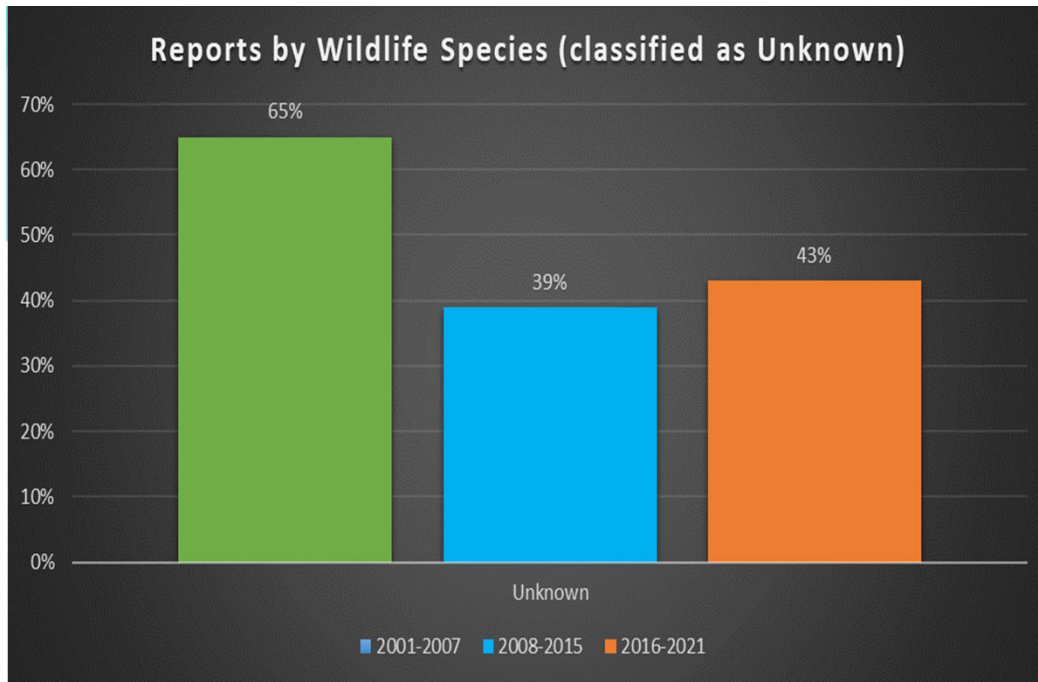


# IBIS STATISTICAL ANALYSIS FOR THE YEARS 2016-2021

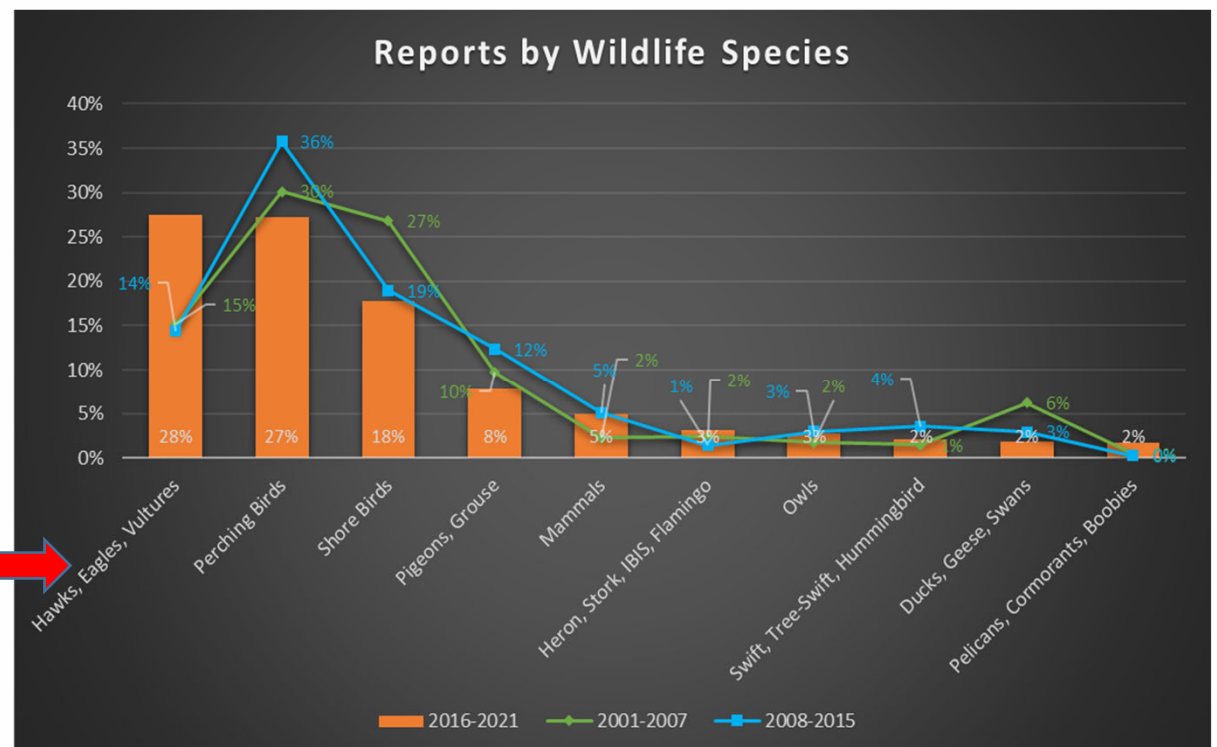
## WILDLIFE STRIKE SUMMARY

<i>Data</i>	2001-2007	2008-2015	2016-2021
<i>States reporting</i>	51	91	139
<i>States/territories of occurrence</i>	145	105	195
<i>Strikes reported</i>	42 508	97 751	273 362
<i>Day time strikes</i>	63%	68%	68%
<i>Night time strikes</i>	24%	25%	19%
<i>Peak month activity</i>	12% (August)	14% (August)	12% (July and August)
<i>Strikes during takeoff</i>	39%	31%	24%
<i>Strikes during approach</i>	37%	33%	23%
<i>Strikes during landing</i>	17%	25%	23%
<i>Wildlife specie most frequent</i>	Perching birds	Perching birds	Hawks, eagles and vultures
<i>Part struck most frequent</i>	Engines and Radome	Engines and Radome	Engines and Radome
<i>Part damage most frequent</i>	Engines and Wing/Rotor	Engines and Wing/Rotor	Engines and Wing/Rotor

# UNKNOWN IBIS WILDLIFE STRIKES 2016-2021



## SPECIES GROUPS



WHAT IS GOING ON HERE?

# ICAO: REPORTING WILDLIFE STRIKES INTO IBIS 2016-2021

Wildlife strikes reporting States distributed by ICAO Region  
(6 year totals and % of Strikes Submitted to IBIS)



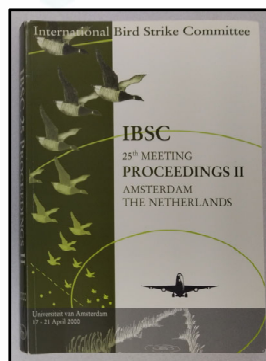
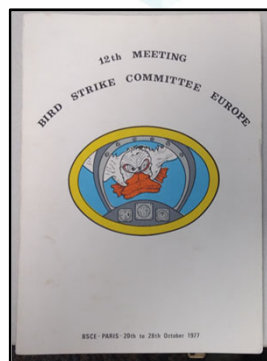


# IBIS STATISTICAL ANALYSIS (2016-2021)

## SUMMARY OF CHALLENGES

- Not all States submit strike data into IBIS as required per Annex 14 (9.4)
- Lack of data quality (insufficient oversight and validation, differing priorities, language challenges, differing file format, etc.)
- Lack of contact point/responsible person = No dedicated wildlife strike data person
- COVID-19 pandemic period (2019-2021)
- Data from ECCAIRS provides only 14% of total data
- ECCAIRS's insufficient capabilities require ICAO to transfer ECCAIRS strike data into ICAO Excel files
- Majority of data is gathered by ICAO direct request from State's POC = Inefficient and labor intensive

# How Can a Global BSC be Beneficial?




1. **DISSEMINATE INFORMATION** – be the global clearinghouse of information
2. **FACILITATE SUPPORT & GUIDANCE** – assist existing and new BSCs with ICAO and BMP guidance, training
3. **FOCUS ON INTERNATIONAL COLLABORATION OVER FORMAL PARTNERSHIPS** – create buy-in from national and regional BSCs through information sharing & cooperation; continue collaboration with global aviation community, pilots, airlines, aerodromes, ATC, biologists, researchers, insurance companies, etc...
4. **ASSIST GLOBAL COMMUNITY WITH WILDLIFE STRIKE COLLECTION, ANALYSIS, SUBMISSION TO IBIS AND DATA SHARING**

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**World Birdstrike Association**  
The **WBA**... Aviation Safety Around the World

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### WBA Webinar 13-14th June 2023

WBA is happy to announce a webinar virtually on 13-14th June 2023.

Click for [Agenda](#)

Join Us: Meeting Links

13 June 2023 [Day 1](#)

14 June 2023 [Day 2](#)

Click [Here](#) to Register for the 13/14th June 2023 Webinar

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### WBA Conference 29th Nov- 1st Dec 2022

**WBA Conference 29th Nov- 1st Dec 2022**

WBA wishes to thank all physical and virtual participants. The speaker and sponsor presentations have been uploaded below along with some photo captures.

[Presentations](#)

[Photographs](#)

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### World Birdstrike Association Europe Conference at British Irish EXPO June 2022

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## HOW CAN THE WBA HELP?

1. **Web Site**
2. **Conferences**
3. **Webinars**
4. **Training**
5. **Surveys**
6. **Information Sheets, Packets, Outreach Materials**
7. **Collaboration & Facilitation for BSC's, Airports, Airlines, CAA's and Industry**

# FAA Outreach

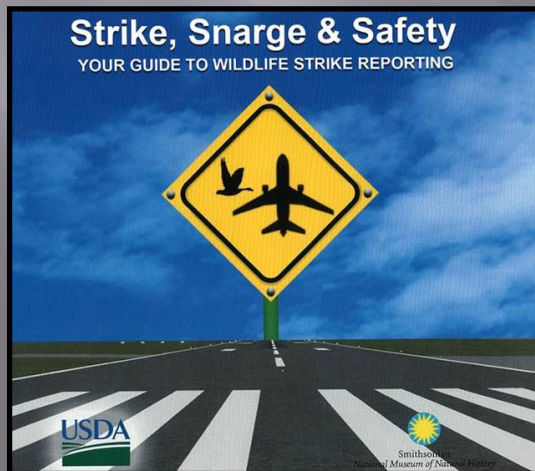


FAA Safety Video Series: Wildlife Hazard Management and Strike Reporting 2015 and 2022

FAA and BSC USA Strike Awareness Posters



FAA Wildlife web site  
[https://www.faa.gov/airports/airport\\_safety/wildlife/](https://www.faa.gov/airports/airport_safety/wildlife/)  
And Strike Reporting page  
<https://wildlife.faa.gov/>



USDA & Smithsonian Institution video: Guide to Reporting Strikes 2012



“Sandy Wright / Richard Dolbeer Excellence in Strike Reporting” Award 2014







# Outreach

## Strike Posters 2011, 2012, 2014

12,000 posters each year

- **Airports**
- **Flight Schools**
- **Airlines**
- **Pilots Association**
- **Engine Manufacturers**
- **Aviation Industry**



**WAKE UP AND SMELL THE COFFEE**

**REPORT ALL WILDLIFE STRIKES**

U.S. Department of Transportation  
Federal Aviation Administration

<http://wildlife.faa.gov> <http://www.faa.gov/mobile>

**WANTED!**

**STRIKE REPORTS!**

KNOW THE SPECIES + IDENTIFY THE ATTRACTANTS + MITIGATE THE HAZARDS

**REPORT ALL WILDLIFE STRIKES**

<http://wildlife.faa.gov> <http://www.faa.gov/mobile>

Informe todas las huelgas Rapport toutes les grèves  
すべてのストライクを報告してください  
Relazione tutti gli scioperi Bericht alle Streiks  
Relatório todos os botes Доклад все удары  
Notificar totes les vagues Zprávy všechny úderý  
報告所有罢工 Alle rammer A sztrájkok  
Ἐκθεση ὅλες οἱ ἀπεργίες תיאור כל עלות  
Verslag alle stakingen 모든 파업 보고서  
Rapporten alle treffer सभी हड़ताली प्रतिवेदन  
Sprawozdania wszystkie strajki ஏராளம் அமைதிகள்  
pranešti apie **REPORT** visus smūgius  
hlásit všetky štrajku **ALL** Rapportera alla strejker  
báo cáo tất cả các **ALL** cuộc đình công  
Tüm Saldırıları **STRIKES** kuripoti migomo  
Raport toate grevele **phia tag nrho cov tsoo**  
Допови всі страйки **referre omnium oppugnationum**  
rapôte tout frape zînot par visiem streikiem  
Rapporteur alle stakings **пријавуваат сите штрајкови**  
رپورٹ میں تمام ہڑتالیں  
melaporkan semua serangan **എന്നാലും എല്ലാ ശക്തികളും**  
gwybod am bob streiciau **అన్ని దశలకు రిపోర్ట్**  
пријавите све штрајкове **tilkynna öll verkfalli**  
tuairiscíu ar gach stailceanna **সমস্ত ধর্মঘট প্রতিবেদন**  
iuliat ang lahat ng strike **tuairiscíu ar gach stailceanna**  
அனைத்து **வேலைநிறுத்தங்கள் அறிக்கை**  
prijaviti sve štrajkove **denunciar as folgas Rahoton da shi**  
esitama kõik streigid **докладват всички стачки**  
паведамляць аб усіх удараў **raportoida kaikki lakot**

NO MATTER HOW YOU SAY IT - IT'S RIGHT  
REPORT ALL WILDLIFE STRIKES WITH AIRCRAFT

<http://wildlife.faa.gov> <http://www.faa.gov/mobile>

**REPORTING WILDLIFE STRIKES IS AS EASY AS FALLING OFF A LOG**

U.S. Department of Transportation  
Federal Aviation Administration

**AND PROBABLY LESS PAINFUL**

<http://wildlife.faa.gov> <http://www.faa.gov/mobile>

**GOT SNARGE? SEND IT.**

AND THE SMITHSONIAN'S FEATHER LAB WILL IDENTIFY THE BIRD STRIKE FOR FREE...

COLLECT THE EVIDENCE  
**REPORT ALL WILDLIFE STRIKES**

<http://wildlife.faa.gov> <http://www.faa.gov/mobile>

U.S. Department of Transportation  
Federal Aviation Administration

**SAFETY DOESN'T HAPPEN BY ACCIDENT**

**REPORT ALL WILDLIFE STRIKES**

<http://wildlife.faa.gov> <http://www.faa.gov/mobile>

**TOO BUSY TO DOCUMENT A WILDLIFE STRIKE?**

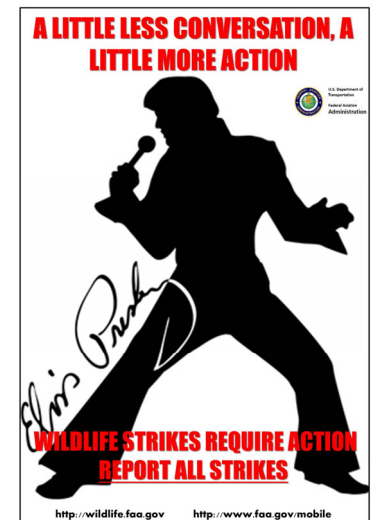
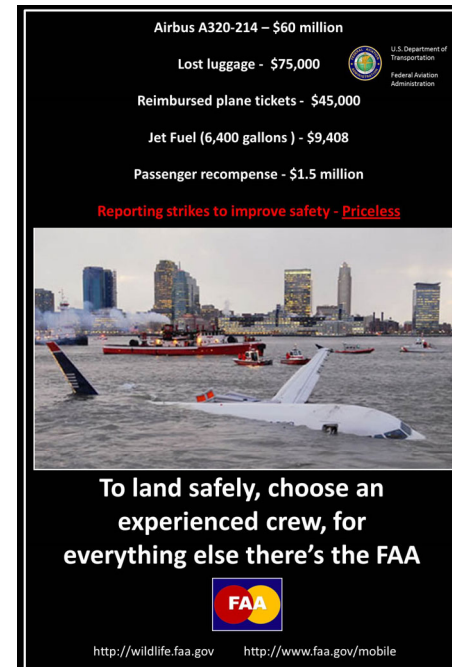
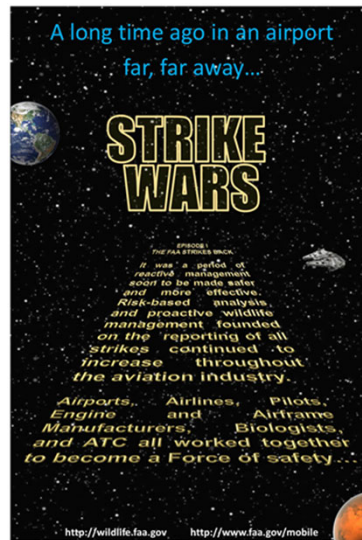
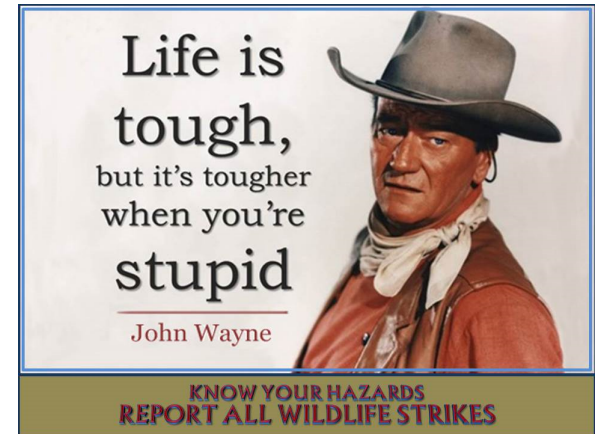
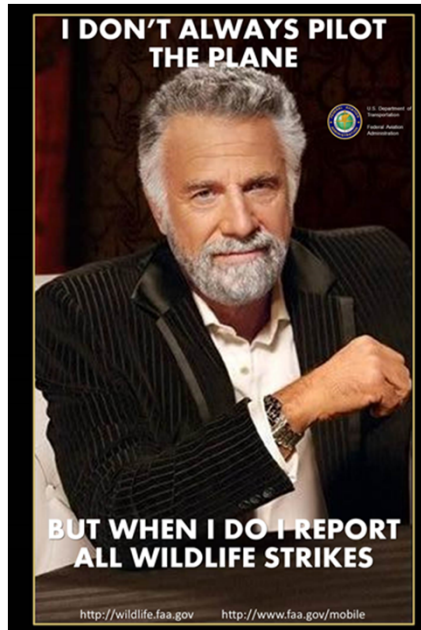
**WE'RE ALL BUSY...**

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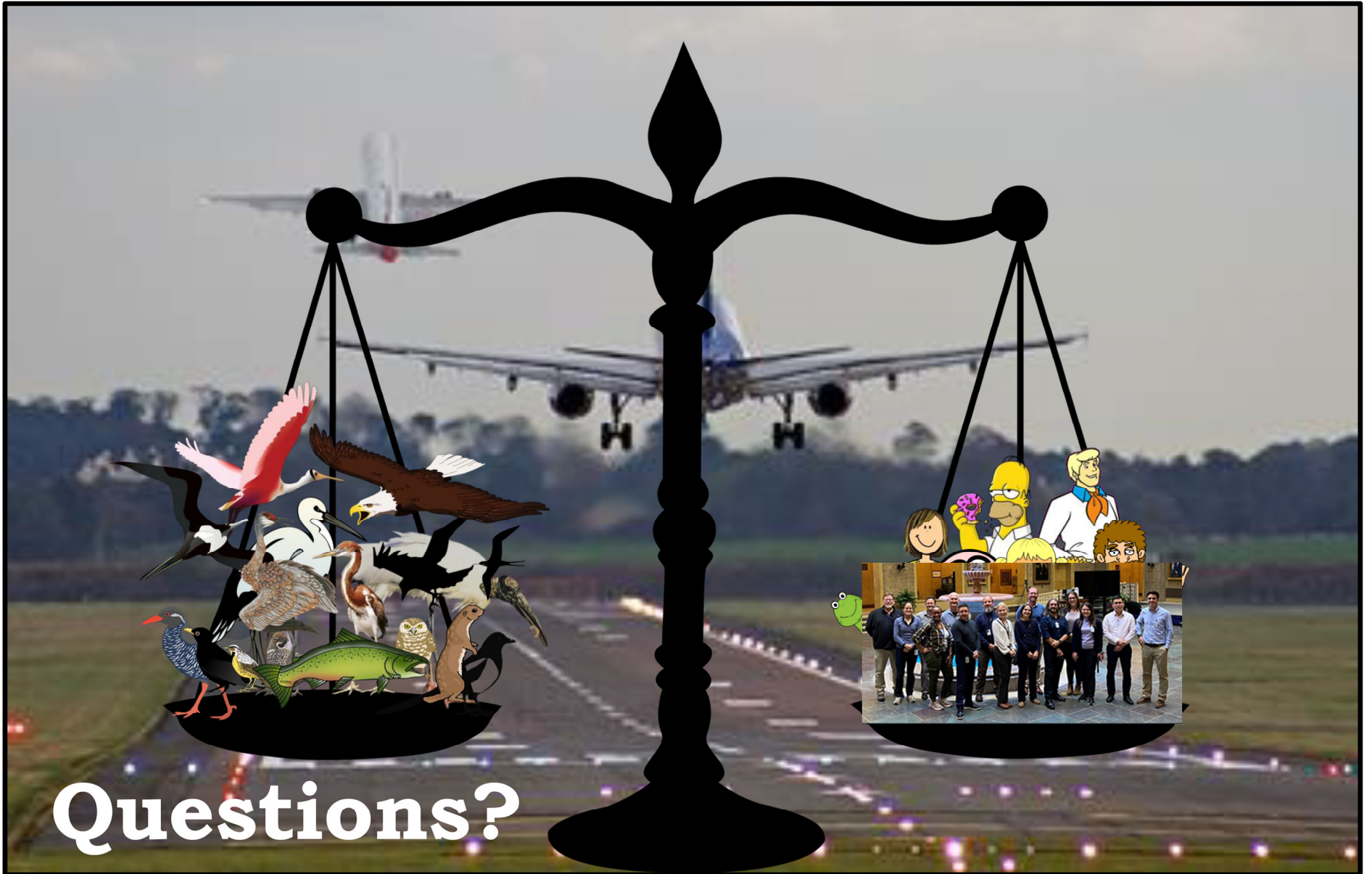
**REPORT WILDLIFE STRIKES**

<http://wildlife.faa.gov> <http://www.faa.gov/mobile>





# Questions? Preguntas?



Questions?