



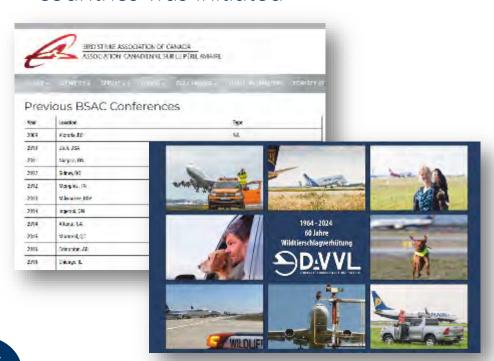


The National Aviation and Wildlife Forum

Carla Gatell Ruiz

The beginnings

- Until 2014, the issue of wildlife and aviation was mainly dealt through oversight inspection (wildlife control procedures - Airport Manual)
- In 2014 AESA started to recruit biologists → there was an increase in the number and scope of inspections related to wildlife hazard management
- A search for information on other wildlife committees held in other countries was initiated







- The call for action from the aeronautical sector and the fatal accidents due to vulture strikes **led** to the creation of the **first wildlife committee/forum in Spain**.
- The first National Aviation and Wildlife Forum was held at the Ministry of Transports on 8th June 2017





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Participation:

- Ministry of Environment
- Ministry of transport
- Local and regional administrations
- Spanish Air Force
- Aerodrome Operators
- Air Navigation Service Providers
- Airlines
- Pilot Associations
- General Aviation Associations
- Aviation Industry
- Academic Experts



ASOCIACIONES

ORGANISMOS OFICIALES Organizador AESA DE SEGUINDAD AEREA XUNTA DE GALICIA CIAIAC CONTROL PARTICION GOBIERNO DE ARAGON Castilla-La Mancha DFB Redshire **** Generalitat de les Illes Balears de Catalunya GENERALIIAI VALENCIANA Gobierno Gobierno de Cantabria

Alectacion Escalica a po Generalia Lucia

COPAC

FAE







1st National Aviation and Wildlife Forum

- Promote **liaison**, **awareness** and **coordination** with stakeholders involved and interested in aviation and wildlife risk, and serve as an expert body.













SIG-GD-ITR01-F09 Ed. 02

- As a result of the 1st edition of the National Aviation and Wildlife Forum → a GENERAL PLAN FOR AVIATION AND WILDLIFE was published.
- Strategic guidelines for wildlife hazard management
- Possible actions to be taken → working groups
- Map of Wildlife of Interest for Aviation



2nd National Aviation and Wildlife Forum

- The 2nd National Aviation and Wildlife Forum was held at the Ministry of Transports on 29th January 2020







2nd National Aviation and Wildlife Forum



2nd National Aviation and Wildlife Forum

- The pattern followed in the committees is:
 - 1st: Authorities' presentations
 - 2nd: Technical issues presentations



Secretaria General de Transportes y Movilidad

CERTIFICACIÓN DE TURBINAS DE AVIACIÓN Capacidades de ITP Aero

En 2015 ITP Aero decidió tener capacidad de ensayo de impactos de pájaro. La instalación estaba lista para los ensayos en 2016.







GPS, aves planeadoras y aviación civil



- The III National Forum on Aviation and Wildlife was held over 2 days: March 22 and 23, 2023



III FORO NACIONAL DE AVIACIÓN Y FAUNA 22 y 23 de MARZO 2023

AGENDA

08H45 Registro de entrada de participantes. 09H30 Bienvenida al Foro Carlos Garda - APSA - DASAC 09H40 Lineas de trabajo de AESA (2020-2023) Carla Gatell - AESA - DASAC Mapa de Aviación y Fauna 2.0 Alfonso Herrera - Senasa / AESA - DASAC Nuevas competencias de AESA en materia de Ruida y Medio Ambiente Carlos Garda, Ricardo Viejo - AESA - DASAC Control de avifauna en el Ejércita del Aire y del Espacio Coronel Carlos Pérez - Eleruito del Aire y del Especio. 11H30 Influencia del entorno sobre la seguridad operacional del Aeropuerto A.S. Madrid Barajas Cristina González - Aena - MAD Visión operacional con Helicópteros Alejandro Suárez - AESA - OSA Riesgos de la avifauna en operación con Helicóptero David Canovaca - regapus Aere Group Estadisticas de sucesos de colisión con aves Pedro Tortosa AESA DISSPV 13H10 Wildlife Strikes - An Overlooked Element in the Urban Mobility Concept? Isabel Metz - Cerman Aerospace Center, Cerian Henshaw - Arlane, Lisa Harmon - Mead&Hunt Wildlife hazards mitigations and risk analysis on and near airports John Weller + Federal Aviation Administration IFAA) 13H50 Ronda de Preguntas / Mesa de Debate

Caracterización de las natificaciones de las aerolíneas sobre colisiones con fauna en el



Aeropuerto J.T. Barcelona-El Prat.

Ferran Navás Minuartia



08H45 Registro de entrada de participantes 09H30 Apertura de la jarnada par la Directora de AESA Montsorrat Mostros, AESA 09H40 El Museo Nacional de Ciencias Naturales: propuesto como laboratorio de referencia para la identificación de especies post-colisión Rafael Zardoya MNCN CSIC Dieta del vencejo común en el ámbito del Aeropuerto J.T. Borcelona-El Prot. Aplicaciones para la prevención de calisiones Kavier Ferrer - Minuartia Pasado, presente y futuro del control de fauna en los aeropuertos españoles Maximiliano Gubérrez - Seriasa / AESA - DASAC Particularidades del Servicio de Control de Fauna en el Aeropuerto A.S. Madrid-Barajas Arige de Pazo - UTE Haltones - MAD 11H00 Pausa v Café 11H30 Seguimiento de la población reproductora de gaviota patiamarilla en El Prat de Llobregat Albert Cama - Minuartia, Montserrat Molina - Aeria - BCN Presencia y gestión de cigüeña blanca (Ciconia ciconia) en el Aeropuerto de Lleida-Alguaire Moisés Moreno - Aeroports de Catalanya, Angel de Pago - SCF - LO Servicio de Control de Founa del Aeropuerto J.T. Barcelona-El Prat Alfonso Ansó, Hugo Framis Centro de Halcones BCN Proyecto de marcaje de rapaces en el Aeropuerto A.S. Madrid-Barajas Ángel de Pazo - UTE Halcones - MAD, Enstina González - Acha - IMAD Marcaje con emisores GPS de corroñeras y grandes águilas en la Comunidad de Madrid. Movimientos en los zonas aledañas al Aeropuerto A.S. Madrid-Barajas Juan José Iglesias, Ernesto Alvarez - GREFA Seguimiento de aves planeadoras: Ciencia ciudadana como apoyo a la aviación Ivan Parrillo - SEO - Grupo cosal de Cordoba 13H45 Gestión de la avifauna tras el sellado del vertedero de Alcalá de Henares: marcaje GSM de cigüeñas blancas para conocer sus desplazamientos Gestión de fauna en el depósito controlado de residuos de Colmenar Viejo. Plan de desarrollo futuro Maria Castillo Mancomunidad del Norpesto

14H15 Ronda de Preguntas / Mesa de Debate

David Nieto - NESA - DASAC

15H00 Clausura del Foro

- For the first time the forum was held with the option to attend remotely.
- First National Aviation and Wildlife Forum held in new AESA headquarters
- We try to have international representation and international presentations





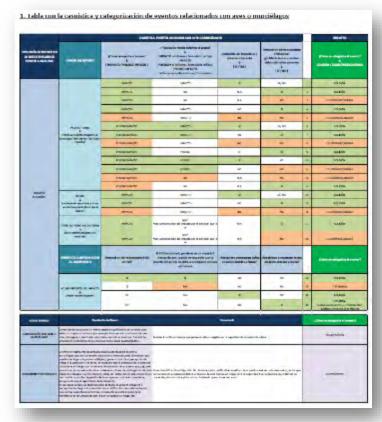


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- The forum is intended to be informative and awareness-raising
- For executive actions → multidisciplinary working groups

Standardization of Wildlife Events working group







Pigeons: Pigeon Racing working group (June, 6th 2019)



- There was concern in the aviation sector
- Not accidents, but multiple incidents → there was a need to take action





Pigeons: Pigeon Racing working group (June, 6th 2019)





Actions (measures):

- Relocation of dovecotes and pigeon releasing points
- Coordination between pigeon racing clubs and federations with airport operators
- Releases calendar

Vultures: Large soaring birds working group

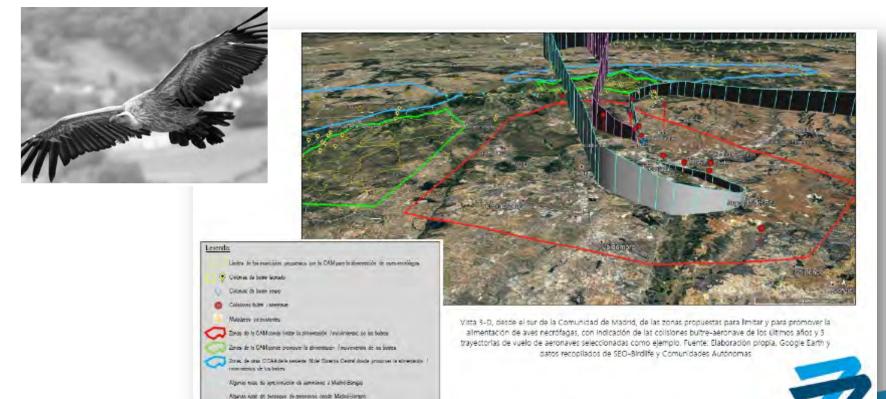
- AESA-Aena-Ministry of Environment coordination to know the behavior and movements of vultures using GPS transmitters → take mitigation measures
 Proyect conducted by Aena



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Vultures: Large soaring birds working group

- Analysis for location of new feeding areas
- Monitoring of the results obtained and analysis of the effectiveness of measures



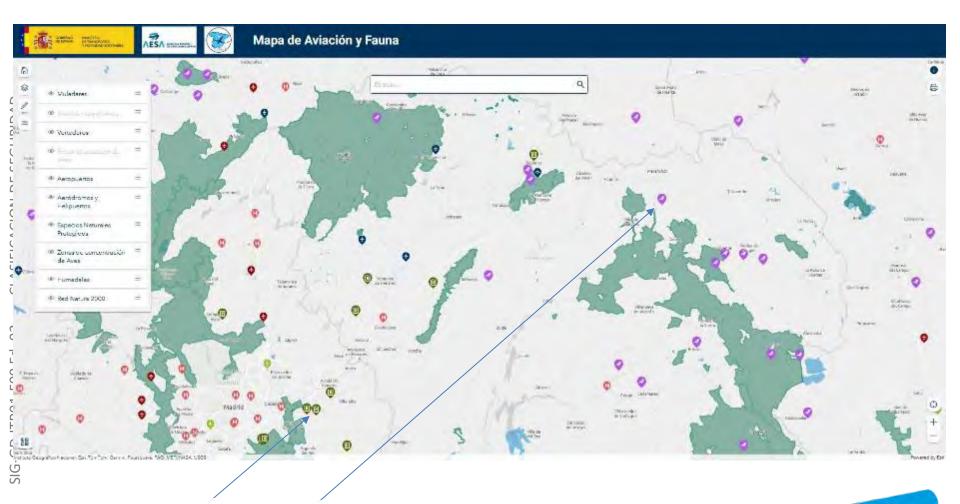








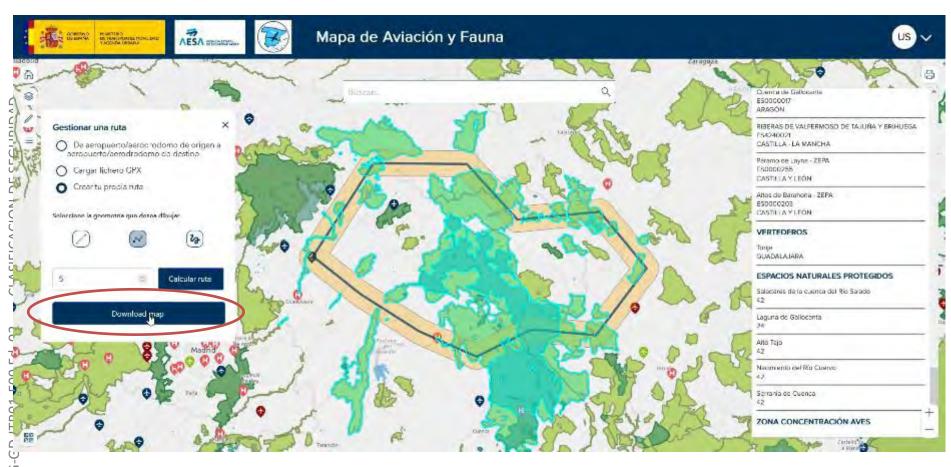
- Layers with relevant information related to wildlife (feeding stations, Wetlands, Protected Natural Areas, Bird Concentration Areas, etc.)



Landfills

Feeding stations





- Flight Path Creation Tool(different options to plan your own route)



Thank you for your time!

