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国际民航组织

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**SECOND MEETING OF  
THE CAR/SAM REGIONAL BIRD  
HAZARD PREVENTION COMMITTEE**

**“WHY IS BIRD STRIKE  
REPORT A KEY ISSUE FOR BIRD  
HAZARD PREVENTION?”**

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AGA Regional Officer – ICAO/LIMA*

*Lima, Peru, 02 December 2004*



# WHY IS BIRD STRIKE REPORT A KEY ISSUE FOR BIRD HAZARD PREVENTION?

 **INTRODUCTION**

 **BEYOND THE MATERIAL AND HUMAN LOSSES**

 **OVERVIEW ON BIRD STRIKE REPORT**

 **SITUATION IN THE CAR/SAM REGIONS IN APRIL 2001**

 **ICAO ACTIVITIES IN THE CAR/SAM REGIONS**

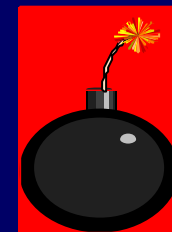
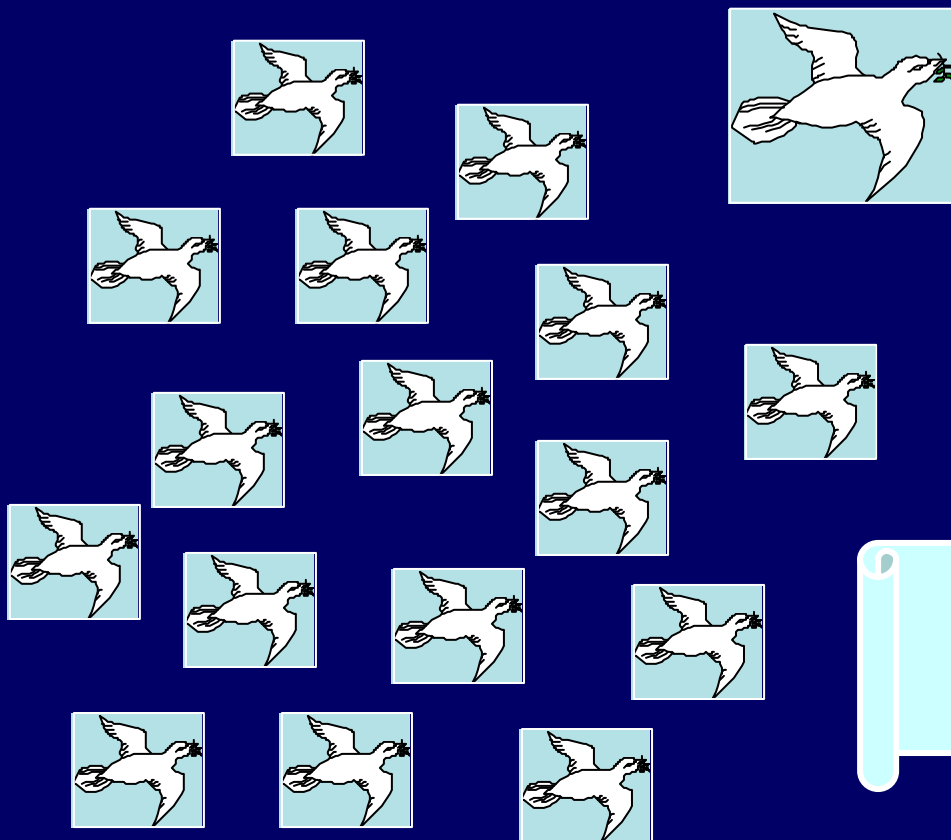
 **SITUATION IN THE CAR/SAM REGIONS IN DECEMBER 2004**

 **CONCLUSIONES**



# WHY IS BIRD STRIKE REPORT A KEY ISSUE FOR BIRD HAZARD PREVENTION?

## INTRODUCTION



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# WHY IS BIRD STRIKE REPORT A KEY ISSUE FOR BIRD HAZARD PREVENTION?

 INTRODUCTION

COUNSCIOUSNESS OF THE PROBLEM

SEMINARS/  
WORKSHOPS

TECHNICAL  
PUBLICATIONS

ICAO'S CONCERN  
SINCE THE 60'S

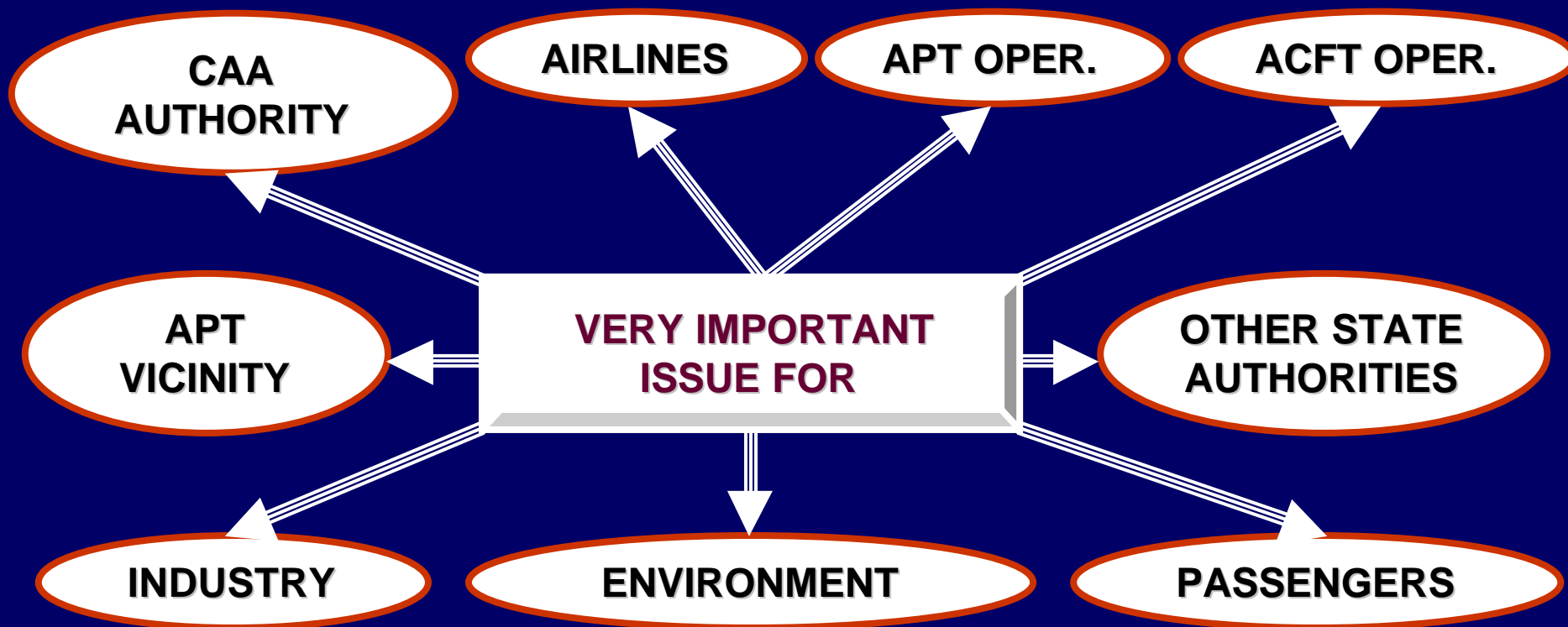
IBIS SYSTEM



# WHY IS BIRD STRIKE REPORT A KEY ISSUE FOR BIRD HAZARD PREVENTION?



## INTRODUCTION

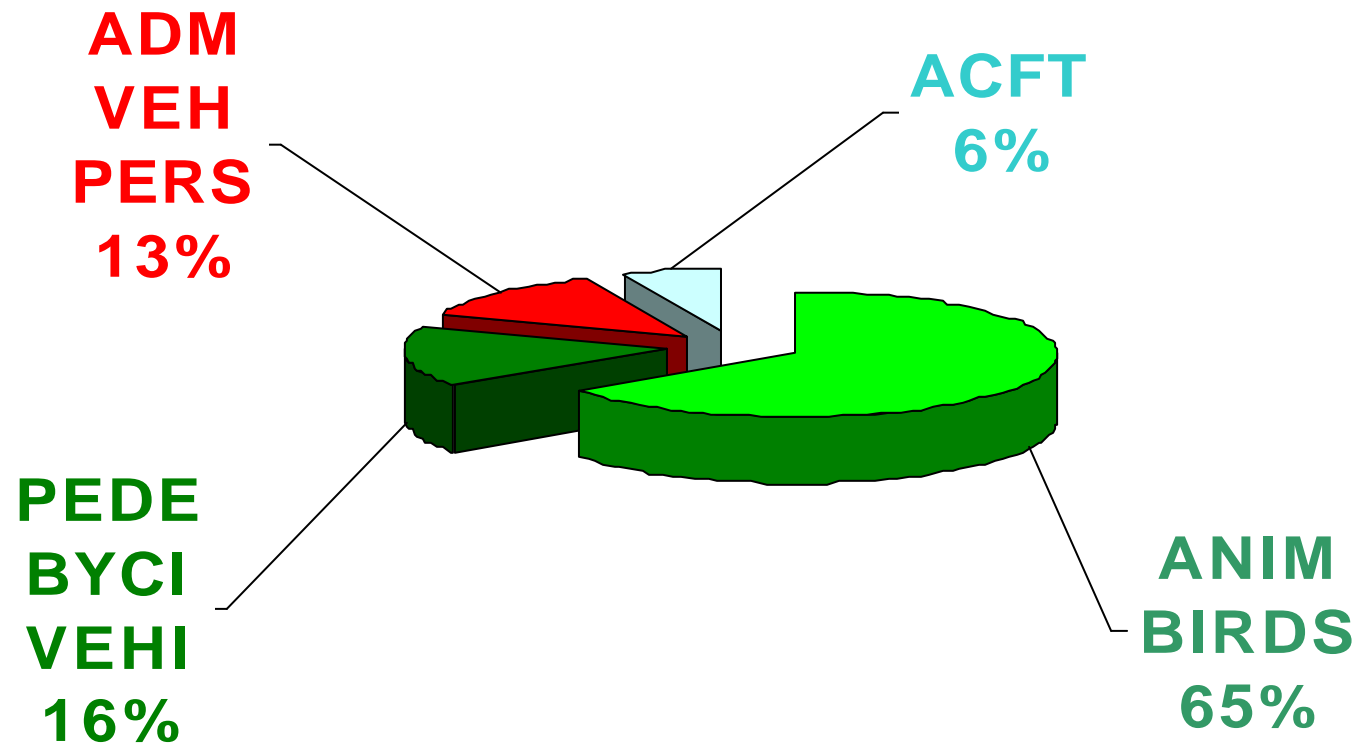


# WHY IS BIRD STRIKE REPORT A KEY ISSUE FOR BIRD HAZARD PREVENTION?



## INTRODUCTION

### CAR/SAM REGIONS



# WHY IS BIRD STRIKE REPORT A KEY ISSUE FOR BIRD HAZARD PREVENTION?



**BEYOND THE MATERIAL AND HUMAN LOSSES**

**ECONOMICAL & SOCIAL ISSUE!!!**

**NORTH AMERICAN AIRLINES**

**(US\$ 500 MILLION TO US\$ 1 BILLION PER YEAR)**

**INCLUDING DIRECT & INDIRECT COSTS (ENTIRE WORLD)**

**(LOSSES AS HIGH AS US\$ 2 BILLION PER YEAR)**



# WHY IS BIRD STRIKE REPORT A KEY ISSUE FOR BIRD HAZARD PREVENTION?



**BEYOND THE MATERIAL AND HUMAN LOSSES**

**COST OF PERUVIAN MEAL (“MENU”) » US\$ 1.15**

**2,000,000,000.00 , US\$ 1.15 = 1,739,130,435 MEALS**

**1,739,130,435 , 365 X 2 = 2,832,370 PERSONS**

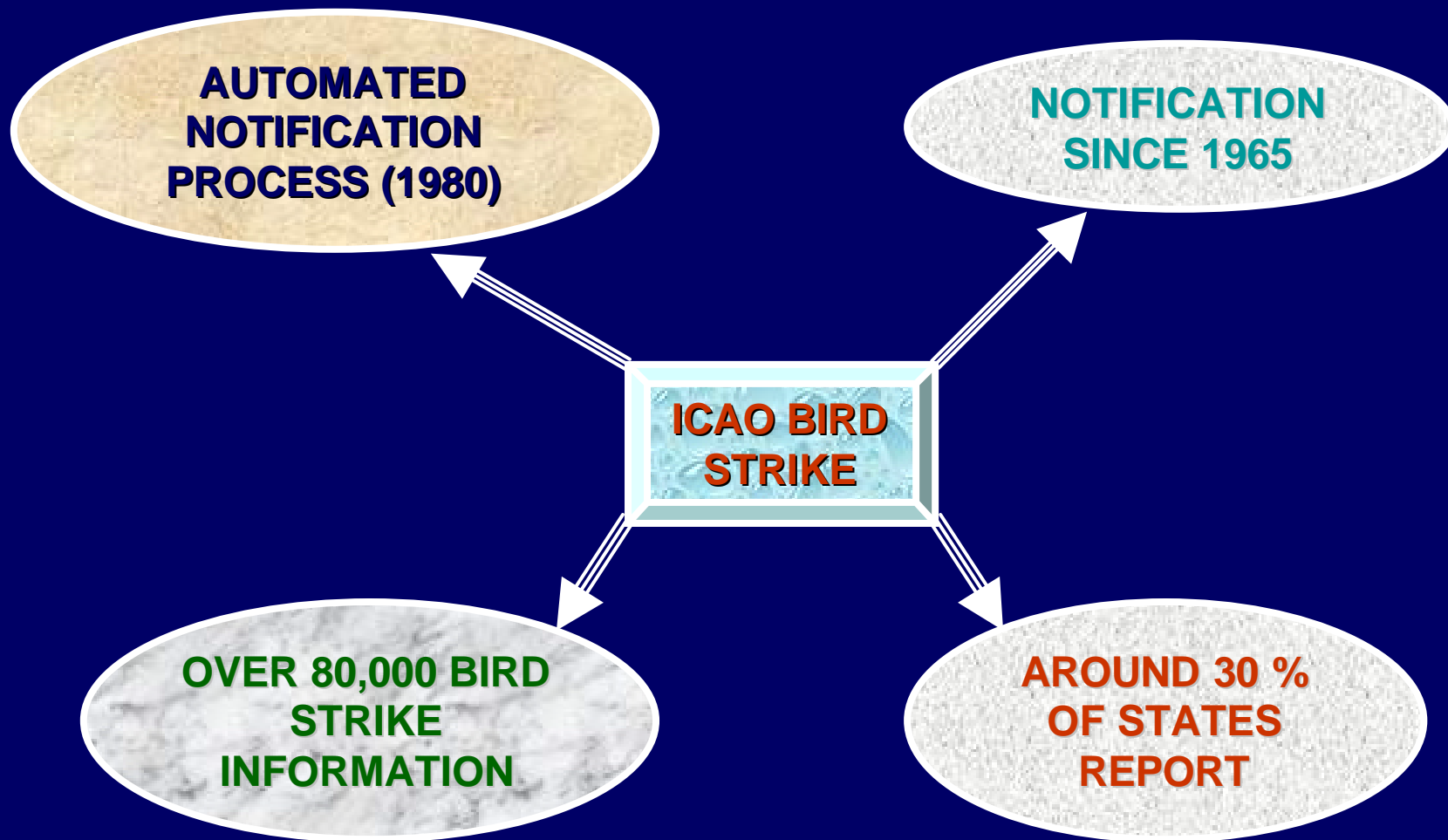
**ENOUGH TO FEED 10 % OF THE PERUVIAN POPULATION**



# WHY IS BIRD STRIKE REPORT A KEY ISSUE FOR BIRD HAZARD PREVENTION?



## OVERVIEW ON BIRD STRIKE REPORT



# WHY IS BIRD STRIKE REPORT A KEY ISSUE FOR BIRD HAZARD PREVENTION?



## OVERVIEW ON BIRD STRIKE REPORT

**ONLY ABOUT 20 % OF BIRD STRIKES REPORTED TO FAA**



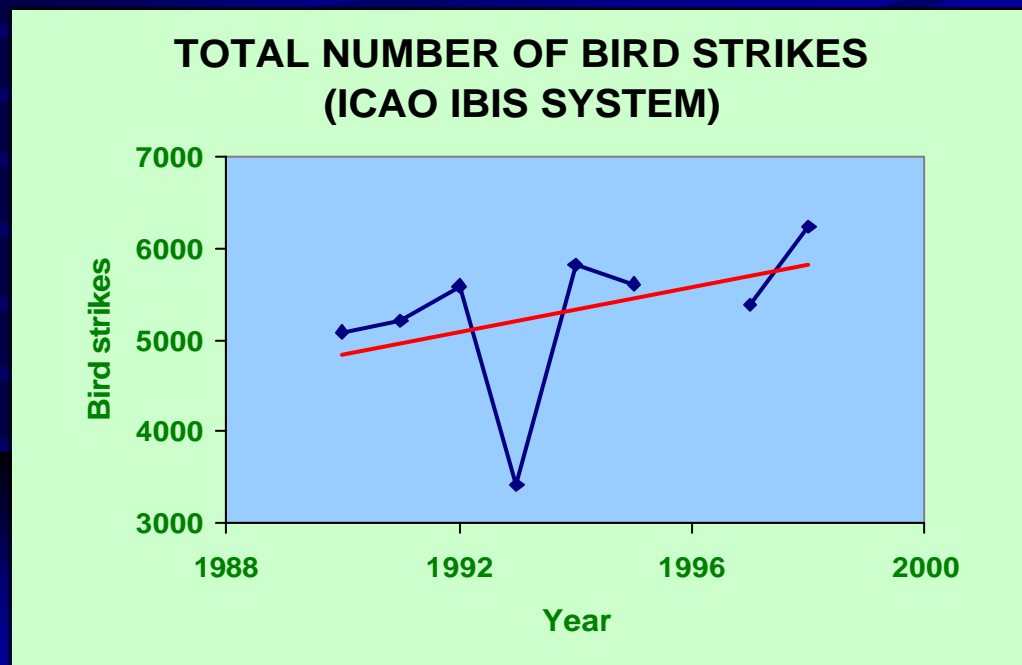
**THIS IS WORTH IN THE OTHER ICAO CONTRACTING STATES**



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## OVERVIEW ON BIRD STRIKE REPORT

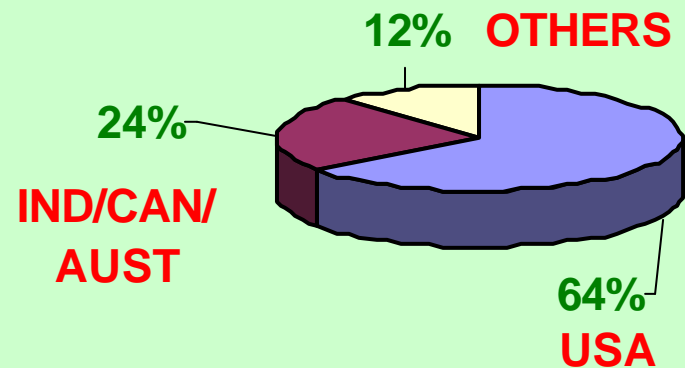


# WHY IS BIRD STRIKE REPORT A KEY ISSUE FOR BIRD HAZARD PREVENTION?



## OVERVIEW ON BIRD STRIKE REPORT

### BIRD STRIKE NOTIFICATION (% PER COUNTRIES)

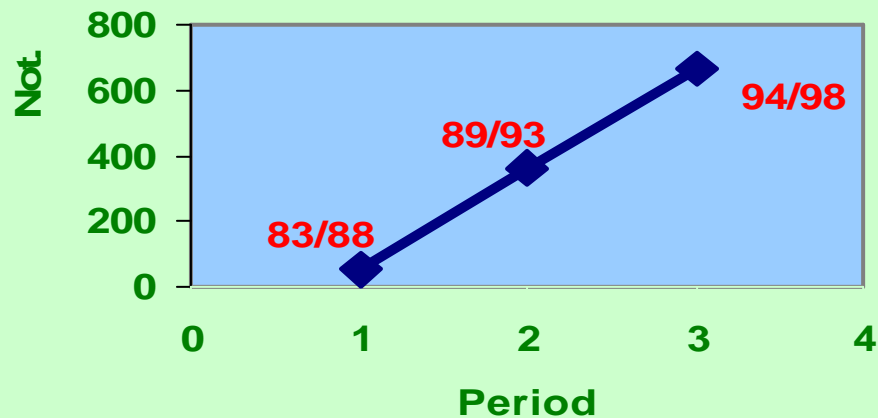


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## OVERVIEW ON BIRD STRIKE REPORT

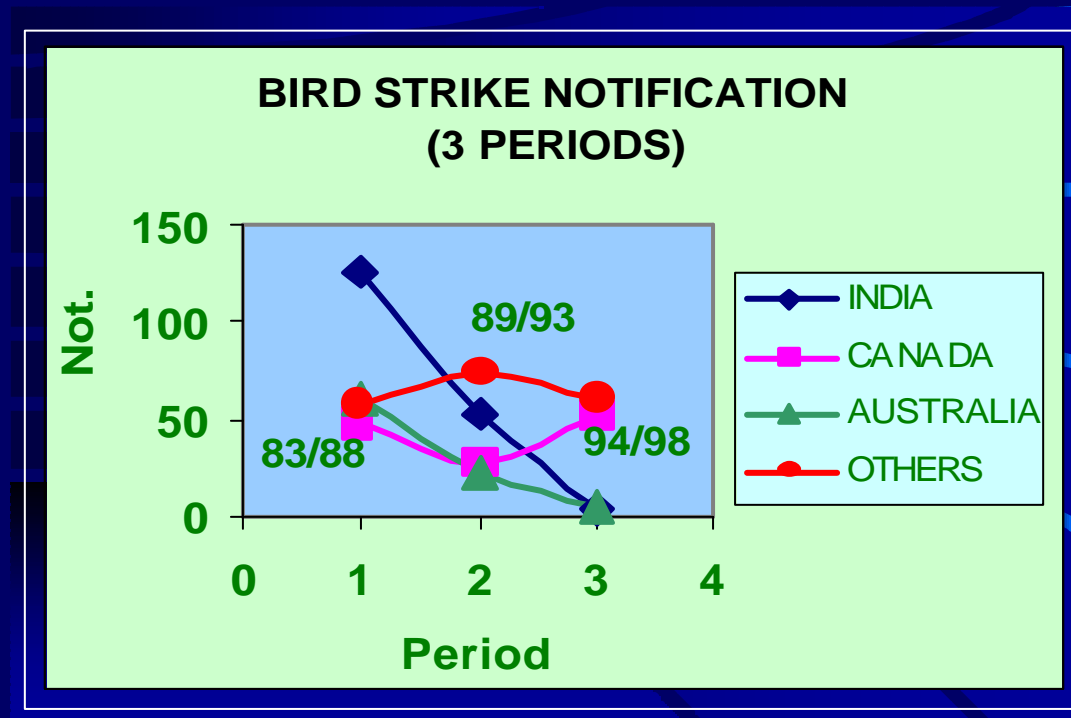
BIRD STRIKES IN THE USA  
(NOTIFICATION/3 PERIODS)



# WHY IS BIRD STRIKE REPORT A KEY ISSUE FOR BIRD HAZARD PREVENTION?



## OVERVIEW ON BIRD STRIKE REPORT



# WHY IS BIRD STRIKE REPORT A KEY ISSUE FOR BIRD HAZARD PREVENTION?



## OVERVIEW ON BIRD STRIKE REPORT

2<sup>ND</sup> MEETING ON BIRD STRIKES (LIMA, PERU, 01-03 DECEMBER 2004)

FOCUS ON BIRD STRIKES REPORT



# WHY IS BIRD STRIKE REPORT A KEY ISSUE FOR BIRD HAZARD PREVENTION?

 SITUATION IN THE CAR/SAM REGIONS IN APRIL 2001



# WHY IS BIRD STRIKE REPORT A KEY ISSUE FOR BIRD HAZARD PREVENTION?

## ICAO ACTIVITIES IN THE CAR/SAM REGIONS

**CAR/SAM  
REGIONAL BIRD  
STRIKE  
PREVENTION  
COMMITTEE  
(2003)**

**AGA/AOP/SG  
MEETINGS**

**ALACPA -  
LATINO  
AMERICAN &  
CARIBBEAN  
ASSOCIATION OF  
AIRFIELD  
PAVEMENTS  
(2002)**



# WHY IS BIRD STRIKE REPORT A KEY ISSUE FOR BIRD HAZARD PREVENTION?

## ICAO ACTIVITIES IN THE CAR/SAM REGIONS

**WORKSHOP ON BIRD  
HAZ., ENV.  
PROTECTION & LAND  
USE (MIAMI, 2001)**

**WORKSHOP  
REDUCTION OF BIRD  
HAZARD TO AVIATION  
(CHILE, 1993)**

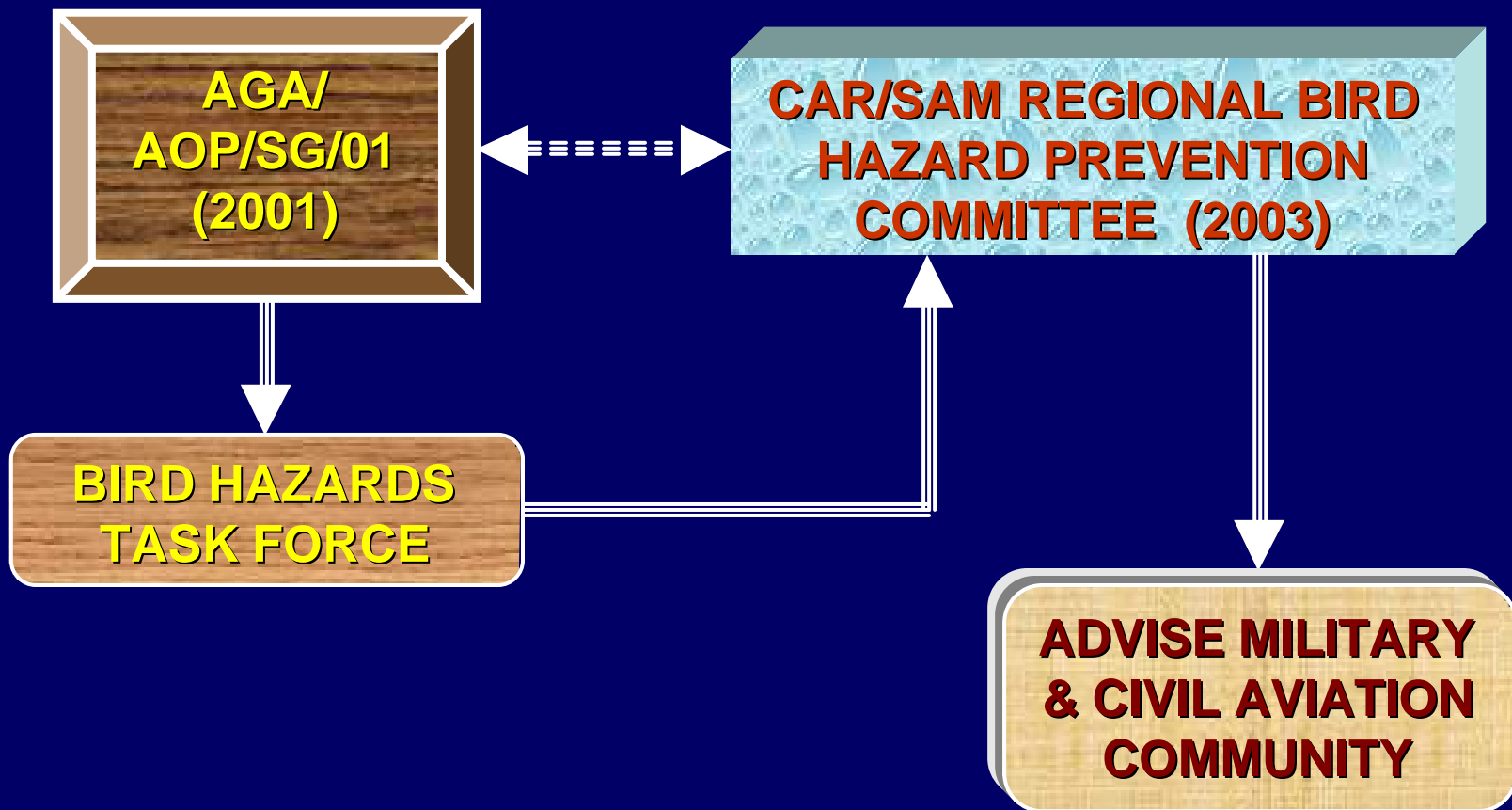
**ICAO**

**AGA/AOP/SG/01 (2001)  
AGA/AOP/SG/02 (2002)  
AGA/AOP/SG/03 (2003)  
AGA/AOP/SG/04 (2004)**



# WHY IS BIRD STRIKE REPORT A KEY ISSUE FOR BIRD HAZARD PREVENTION?

## ICAO ACTIVITIES IN THE CAR/SAM REGIONS



# WHY IS BIRD STRIKE REPORT A KEY ISSUE FOR BIRD HAZARD PREVENTION?

 ICAO ACTIVITIES IN THE CAR/SAM REGIONS

**CAR/SAM REGIONAL BIRD  
HAZARD PREVENTION  
COMMITTEE (2003)**

**(1<sup>ST</sup> MEETING, 22-24  
OCT 2003)**

**(2<sup>ND</sup> MEETING, 01-03  
DEC 2004)**



# WHY IS BIRD STRIKE REPORT A KEY ISSUE FOR BIRD HAZARD PREVENTION?



## SITUATION IN THE CAR/SAM REGIONS IN 2004



# WHY IS BIRD STRIKE REPORT A KEY ISSUE FOR BIRD HAZARD PREVENTION?

 SITUATION IN 2001

 SITUATION IN 2004



# WHY IS BIRD STRIKE REPORT A KEY ISSUE FOR BIRD HAZARD PREVENTION?



## CONCLUSIONS

IMPORTANCE/COUNSCIOUSNESS OF THE SUBJECT

HUMAN LOSSES & SOCIAL PROBLEM

LACK OF NOTIFICATION (IBIS)

SITUATION IN THE CAR/SAM REGIONS IN APRIL 2001



# ICAO'S OVERVIEW ON THE CAR/SAM REGIONS



## CONCLUSIONS

ICAO ACTIVITIES IN THE CAR/SAM REGIONS

CAR/SAM REGIONAL BIRD STRIKE PREVENTION COMMITTEE

SITUATION IN THE CAR/SAM REGIONS IN DECEMBER 2004



# ICAO'S OVERVIEW ON THE CAR/SAM REGIONS

**“LA RUTINA, LA PEREZA, LA FOBIA POR LO INÉDITO, LOS CELOS, EL AMOR PROPIO, EL INTERÉS, TODO CONSPIRA PARA OBSTACULIZAR LA MARCHA DE UNA NUEVA IDEA”**

**H.A. VELUT**

