

# BIRD HAZARD MANAGEMENT IN NIGERIAN AIRPORTS



# INTRODUCTION



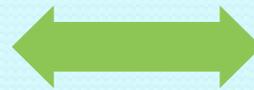
- Nigeria has 22 Airports
- 6 International Airports
- 18 Smaller Aerodromes (Airstrips)



PRESENTLY



OUR  
CHALLENGES



THE FUTURE



# PRESENTLY

- REGULATION -
  - NIG.CAR PART 12, 2012
  - **ADVISORY CIRCULAR NCAA-AC-ARD012:**  
**WILDLIFE STRIKE HAZARD MANAGEMENT**
  - CONTINUOUS SURVEILLANCE OF THE AERODROMES



# NIG. CAR PART 12

- 12.6.23.1.—( B/WHM shall be part of the certification process of an Aerodrome
- a waste disposal facility within 15km of the geometric centre of the aerodrome
- 12.6.23.2.—(a) *The aerodrome operator shall keep records of all wildlife strikes at the aerodrome, including those reported by :*
  - (1) pilots ;
  - (2) ground personnel ; and
  - (3) aircraft maintenance personnel when they identify damage to an aircraft as having been caused by a wildlife strike.



# Cont

- The aerodrome operator shall submit a written and dated report to the Authority using the ICAO IBIS form :
  - (1) for each wildlife strike, within 30 days of its occurrence ;
  - (2) for all wildlife strikes that occur in a calendar year

# Identification/risk assessment of wildlife



- The Regulation *encourages the aerodrome operator to carry out risk assessment based on the level of threat posed by the wildlife hazard in the following descending order of priority:*
  - (1) Black kites ;
  - (2) egrets ;
  - (3) hawks ;
  - (4) swallows ;
  - (5) goats ;
  - (6) dogs.
- NOTE : The above list of wildlife are not exhaustive and varies from aerodromes



# Aerodrome Operator Responsibilities

- Employment of wildlife biologist
- Conduct risk assessment of their aerodrome
- Ensure regular grass cutting/management
- Continuous identification of new species of birds at the aerodrome
- Conduct regular meetings with the local communities
- Form bird/wildlife committee at the aerodrome
- Provide training/retraining of personnel responsible for wildlife management



# How far?

- Implementation has worked in most of the airports
- Lack of funding have affected some others
- Beaucracy of Government
- Introduction of new technology



# challenges

- Reporting system - paper vs online system
- Encroachment through urbanization
- Good data management system
- Motivation of Wildlife personnel
- Research into B/WHM by the Universities in Nigeria



# The future

- Continuous human capacity development
- Government intervention fund - carrot & stick approach
- Introduction of new technology

- Regulation 12.6.23.6(a) *include, in the following descending order of priority*
- with respect to risk, the following hazards :
- (1) Black kites ;
- (2) egrets ;
- (3) hawks ;
- (4) swallows ;
- (5) goats ;
- (6) dogs.
- (b) *The list of wildlife hazards referred to paragraph (a) is not intended to*
- be exhaustive.
- NOTE : The above list ranks wildlife hazards