

# Airport Wildlife Management

## Course Agenda

### Day 1

0900 – 0915 Registration & introduction by students and lecturer  
0915 – 0930 Course Overview

### **Module 1: Introduction to Wildlife Problem at Airports**

0930 – 1100 History of wildlife strikes  
Statistics of wildlife strikes at the global level  
Consequences of strikes in terms of birds vs aircraft types  
Overview of the ICAO and FAA standards  
Liability between airport operators, airlines  
Discussion Activity: Historical Wildlife Strikes at your Airport

1100 – 1115 Break

### **Module 2: Holistic Approach to Wildlife Management**

1115 – 1200 Introduction to the Aerodrome Wildlife 360  
Define the current situation at the airport  
Designing a solution  
Deploying mitigation and training  
Determining effectiveness (Key Performance Indicators)

1200 – 1300 Lunch

### **Module 3: Roles & Responsibilities of Stakeholders**

1300 – 1400 Role and responsibilities of different WHM team members  
Regulatory and training requirements required to support WHMP  
Role of stakeholders outside the airport  
Responsibilities of Civil Aviation Authority  
Stakeholder Management Plan  
Discussion: Stakeholder Problems

### **Module 4: Birds and Wildlife Identification**

1400 – 1445 Significance of species identification  
General behavioural patterns of local birds  
Species-specific behavioural pattern of both local and migratory birds

1445 – 1500 Break

## **Module 5: Aerodrome Environment, Resource Prioritization, and Risk Management**

1500 – 1600 Habitats within the aerodrome  
Wildlife attractants in aerodrome  
Risk management: Real threat VS Perceived threat  
Components of the risk matrix  
Prioritizing resources for greater efficiency

1600 – 1630 Summary of Day 1

### **Day 2**

0900 – 0930 Review of Day 1

## **Module 6: Strike Reporting**

0930 – 1015 Define bird strikes  
Strike reporting procedures  
Carcass recovery and species identification procedures  
Sampling technique for DNA/feather analysis

1015 – 1030 Break

## **Module 7: Data Collection**

1030 – 1200 Methodologies adopted for data collection  
Utilize collected data to:

- identify associated risks
- prepare appropriate preventive plans

Which data collection system is best for your airport?  
Activity: Case study on the Avian Radar

1200 – 1300 Lunch

## **Module 8: Wildlife Hazard Assessment**

1300 – 1345 Components of the Wildlife Hazard Assessment  
Discussion Activity: Case study of an airport's ecosystem and the potential wildlife hazards present within and around the aerodrome

## **Module 9: Wildlife Hazard Management**

1345 – 1430 Major components of wildlife hazard management  
Significance of Wildlife Hazard Management Plan (WHMP)  
Key Performance Indicators and components required to evaluate WHMP  
Evaluate WHMP

1430 – 1445 Break

1445 – 1600 Group Activity: Conduct a WHMP for an airport in groups of 4 base on scenarios provided

1600 – 1630 Summary of Day 2

## **Day 3**

0900 – 0930 Review of Day 2

## **Module 10: Wildlife Hazard Management Techniques**

0930 – 1045 Tools used to control wildlife at airports  
Intervention techniques adopted to reduce the risk related wildlife hazard

1045 – 1100 Break

1100 – 1300 Activity: Traps, barriers and passive mitigation

1300 – 1400 Lunch

## **Module 11: Global perspective of WHMP and its future**

1400 – 1430 Best practices adopted regarding aerodrome wildlife hazard management  
Future of wildlife management

1430 – 1500 Summary of course

1500 – 1530 Assessment

1530 – 1600 Presentation of Certificates