



Wildlife Studies

Hazard mitigation modules

New techniques on the go

Via Life Sciences offers scientific and holistic wildlife management at your airport by using custom made algorithms and robust statistical techniques. For example we use PERT to conduct studies up to 25km from ARP of your airport. We have a thorough understanding of ICAO rules and ATC, and aircraft operations apart from applied ornithology and Software to bring you the best.

Technical edge

We use following techniques in wildlife studies at your airport

1. Perch Risk Evaluation
2. Airport Risk Index
3. Attraction Factor Analysis
4. GeoSpace
5. Risk Analysis Table and Evaluation
6. Time series bird data
7. Diel bird studies
8. Nocturnal bird studies

Perch Risk Evaluation

Know your airport's perch risk ratings and prevent bird ingestion into aircraft engines!

We have custom built algorithms to analyze and reduce birds perching on runway installations and our modules conform to ICAO standards.

Airport Risk Index

Indicator of how much 'flying safe' an airport is. Get the analysis done on the problematic birds/wildlife, your effort to reduce collisions with them, and efficiency of current practices that you do.

Risk Index helps you to rate your airport among others in the country or world and closely monitor your own progress in achieving greater safety at airport.

Attraction Factor Studies

Have you wondered why some of the birds are difficult to manage? In our attraction factor studies, we have found out birds cannot simply be dispersed by targeting garbage dumps or maintaining grass on runway shoulders. One needs to understand the reasons for attraction of birds to airports. We have found nine reasons! and target specific reasons in our modules, for each bird.

GeoSpace

Risk posed by wildlife in operating area of your airport is analysed using our custom built software. Airport authorities now can optimize the utilization of wildlife management resources effectively, judiciously and efficiently based on the outcomes of GeoSpace analysis.

Risk Analysis

We do risk factor evaluation and build risk analysis table to classify problematic birds at your airport into different risk categories. This enables in minimizing waste of resources on non-target species and effectively use scarce resources. It is also possible to evaluate the effect of earlier wildlife management techniques.

Diel and Nocturnal birds

No one offers better coverage on Diel (Lunar cycle feeding habit) and nocturnal birds like we do. We have custom built techniques for capturing data at your airport on these birds. Our modules will help in reducing nocturnal bird strikes at your airport.

Our offer

Via Life Sciences offers to study wildlife hazard problems at your airport and provide solutions to manage them scientifically:

- three seasonal wildlife studies
- modules specific to airport, season, attraction factor, and species
- nocturnal bird/wildlife studies
- study of bird activity up to 25km of ARP
- High quality wildlife management activities

- perch management modules
- 12 month calendar for wildlife management activities
- checklist of wildlife
- risk index of your airport
- multi-seasonal risk analysis table and risk factor evaluation
- asset management suggestions based on risk index
- attraction factor studies
- risk involved for operations due to wildlife at any region in the airport

Our expertise

- more than 20 years experience in ornithology and wildlife research
- 11 years of experience in airport operation environment
- empaneled experts in National Bird Control Committee of DGCA
- copyrighted, customized statistical softwares for complex analysis
- publications on airport management in peer reviewed journals by our scientists
- we are the lead institute in prestigious ICAR project on bird acoustics under 11th five-year plan

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