



Environmental

Athens International Airport

The Art of Bird Control

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Head Wildlife and
Landscaping

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Why are we here today?



To avoid pictures like this...



... like this ...



... like this ...



... or like this worldwide.



How can we avoid these? What do we need?

- Ecology,
- Aircraft engineering,
- Avionics,
- Air traffic management,
- Aeronautics,
- Resource management,
- Safety management, and
- Business management.

We got a lot of science in this ...



... in this ...



... in this ...



... in this ...



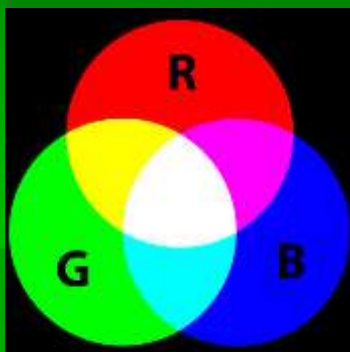
... in this too ...

The image displays a page of musical notation for the 'Ode to Joy' movement from Beethoven's Ninth Symphony. The score is written for piano and includes the title 'Ode to Joy' and the subtitle 'Beethoven's Ninth'. It features four staves of music, with the first two staves representing the vocal line and the last two representing the piano accompaniment. The notation includes various musical symbols such as notes, rests, and dynamic markings. The score is centered on a green background with a faint grid pattern.

... or even in this.



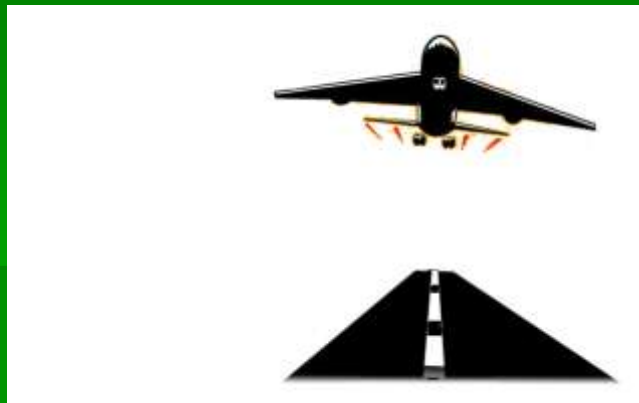
**There is a lot of science in
Art**



Aviation

There is a lot of science involve at the operation of an airport also, mainly expressed in rules.

Is this a right airport?



Is this a right airport?



Is this a right airport?

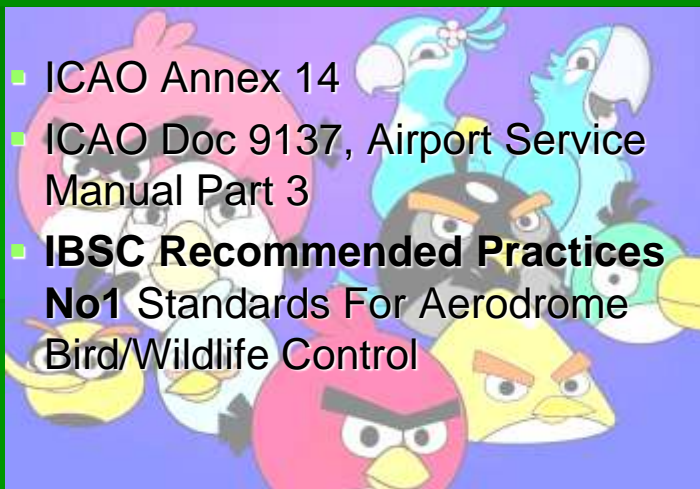


This a right airport



Wildlife Management Rules

- ICAO Annex 14
- ICAO Doc 9137, Airport Service Manual Part 3
- **IBSC Recommended Practices No1 Standards For Aerodrome Bird/Wildlife Control**



Is this a safe airport?



Is this a safe airport?



Is this a safe airport?



Is this a safe airport?



Why do we still experience pictures like this...



... or like this?



What is wrong?

Do we apply the rules or we just only react or response to some problem(s) and situations?

When we get this...



... do we only see these?



Or when we get this ...



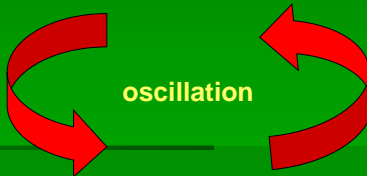
... do we only see this?



**Do we apply the rules or
discuss about the rules...**

**... and adopt a response-reactive
behaviour?**

Problems –
discussions
on what are
the real
problems



Solutions –
discussions on
what are the
real solutions

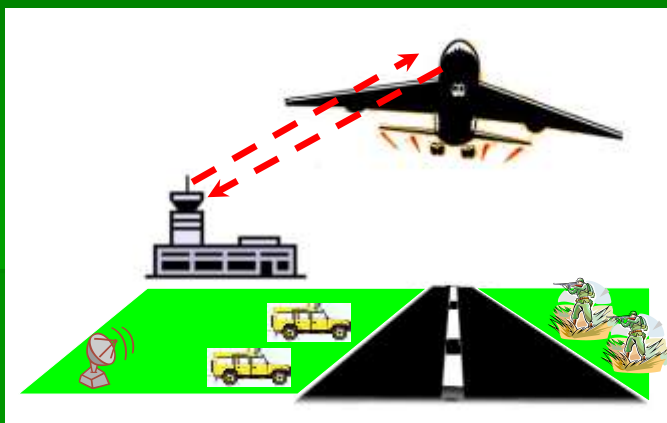
How much of the rules (science) do we need for a wildlife strike free airport?

- Land uses
- Vicinity ecosystems
- Airport habitat management
- Surveillance RADAR
- Communication –Traffic control
- Wildlife control patrols
- Wildlife controllers
- Acoustic devices
- Pyrotechnics
- Trapping
- Culling

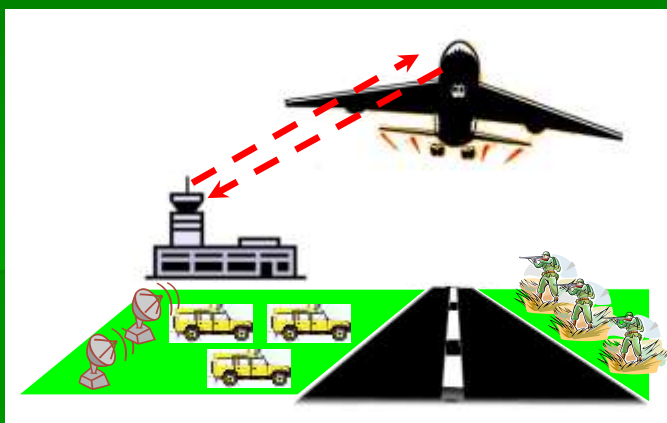
Is this enough?



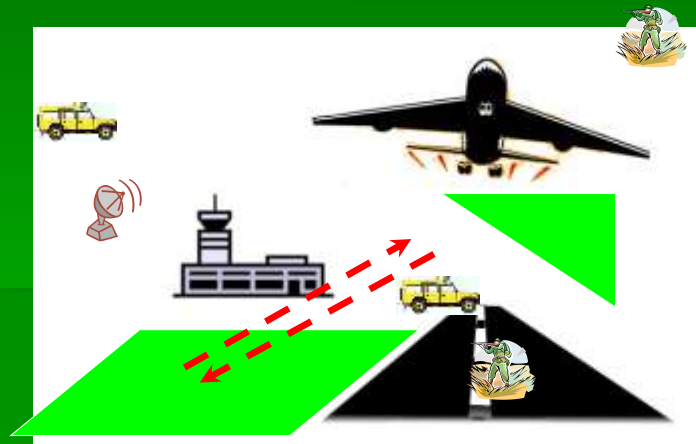
Or we need more?



And more?




**To complete the puzzle we
have first to envision it.**



The Creators envision the final target.

They always have in front of their mind their creation and they work for this.





Ode to Joy
From Symphony no. 9
Ludwig Van Beethoven (1770-1827)

Allegro maestoso

f

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Creative behaviour

They find their way trying hard and failing many times, looking always ahead and adopting a creative behaviour not a response/reactive one.

Our vision is wildlife strike free aviation



Problem solving is not creating – Creating is no problem

(Robert Fritz in “The Path of Least Resistance”)

- Let's move towards our vision using all of the components.
- Don't try first to find the proper way.
- Follow a way ahead. Try, fail, try again.
- The artists make many efforts before they reach their vision. But they keep on trying, they don't try to keep on.
- **ADOPT THE CREATIVE BEHAVIOUR**

The way of Art

Thank you for you attention

