

Amsterdam Airport Schiphol Birdcontrol



Birdcontrol Amsterdam Airport Schiphol

Ton Mens
manager birdcontrol of AAS

The purpose of my presentation today is to inform you about the equipment, tools and trends in use by AAS for birdcontrol

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brief outline

- Layout AAS
- Common species of birds
- Birdstrike definite
- The people behind birdcontrol
- The equipment
- New types of grass
- Bordercollies handler
- green laser beam, other future trends
- Trend
- Summary
- Questions

Layout Airport

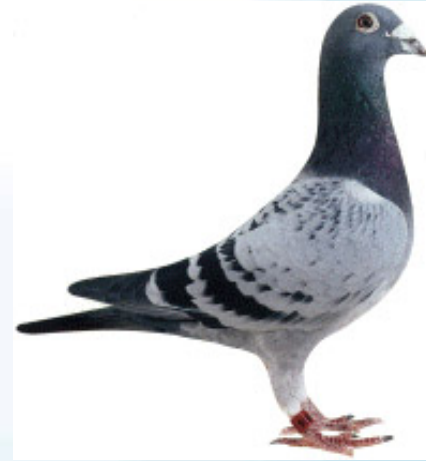


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common birds



Grey Heron



Homing pigeon



Stock dove



Jackdaw

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common birds

Lapwing



Great-Blackbacked gull



Blackhaeded gull

Hering gull



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common birds

Kestrel



Starling



Dic. Species
Of ducks



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birdstrike definition

Definition Bird strike

- Aircraft incident with birds, reported by pilot report and;
 - Visible damage and/or bird remains on aircraft or dead bird found on the runway and;
 - Altitude of aircraft during incident within perimeter of Schiphol airport (landing <200ft, take off <500ft)

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The people behind Birdcontrol

- Advisor, flora and fauna in the surrounding area of Schiphol Airport
- 5 teams birdcontrol
- 3 BC a team
- minimal two in a shift
- 24 / 7

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The people behind Birdcontrol



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Equipment

- 3 Toyota's landcruiser full option. Why? Birdcontroller sit 8 hours a shift in the car.
- Each car 10.000 Km a month!
- They check runways all day, for birds and FOD.
- Communication sets for contact with ATC and apron-control. BC have to anticipate on trafficcontrol.
- Zero tolerance, first attention is to chase away flock of birds, before solitaire birds.

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Equipment

- 4 types of cartridge (fyr by Heinkelman& Slegg)
 - 1 inch Loud bang in use by flock of birds (FOD problem)
 - long range softer bang then the 1 inch
 - Short range same as long range
 - Screech makes a screech sound







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Equipment

- Distress calls digital (by aproms)
- 40 watt power. Distress sound for:
 - Starling
 - Lapwing
 - Grey Heron
 - Gulls
 - Birds of pray

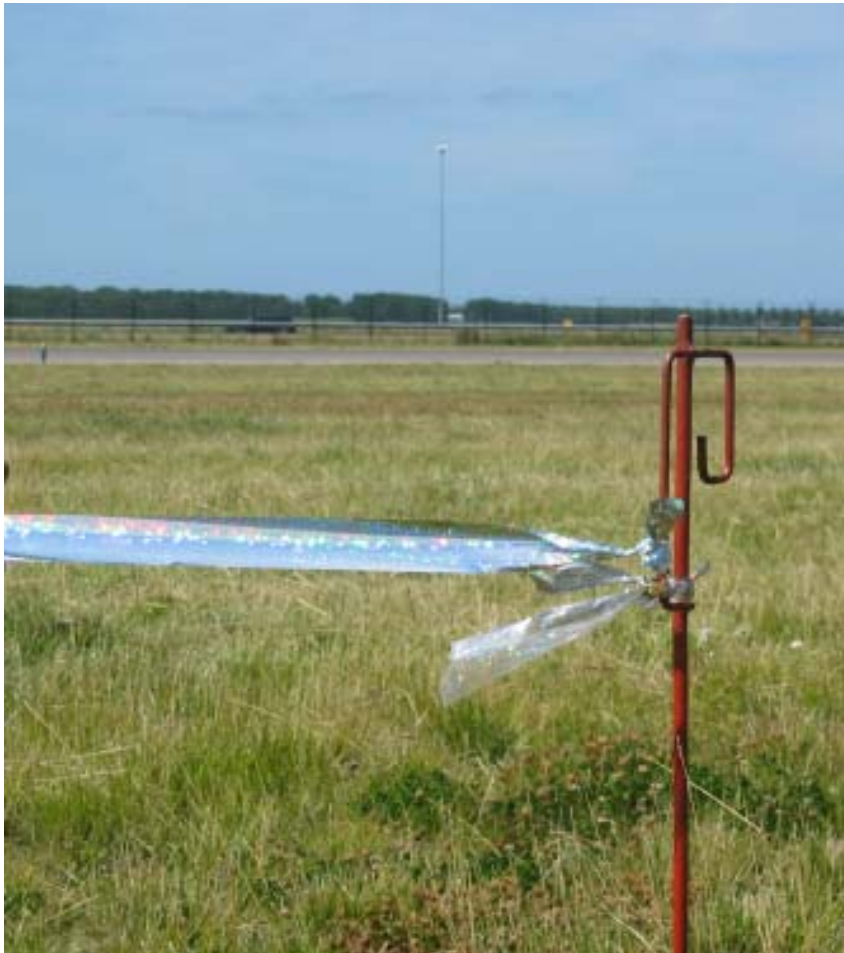


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Stationary Equipment

- Visual stationary instruments
 - irritape (with dots of a hologram, it moves in the wind)
 - flashing harry's
 - different types of windmills (holograms)
- Gas powered canons

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Birdcontrol Amsterdam Airport Schiphol meadows

- New grass types based on scientific research.
 - Tall fescue-Festuca arundinacea
 - Tufted hair grass-Deschampsia cespitosa
 - Red fescue-Festuca rubra
 - Perennial ryegrass-Lolium perenne
- less attractive for mice
- hard and sharp, 17-20 cm high, during the winter.

Birdcontrol Amsterdam Airport Schiphol Meadows





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Shepherd

- **Bordercollies Handler**
 - Vehicle with radio equipment.
 - 5 bordercollies
 - Controls 18R-36L (Polderbaan) runway surrounded by cropland.
 - Operate from service road into the strip
 - Extra eye for birdcontrol.



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Equipment

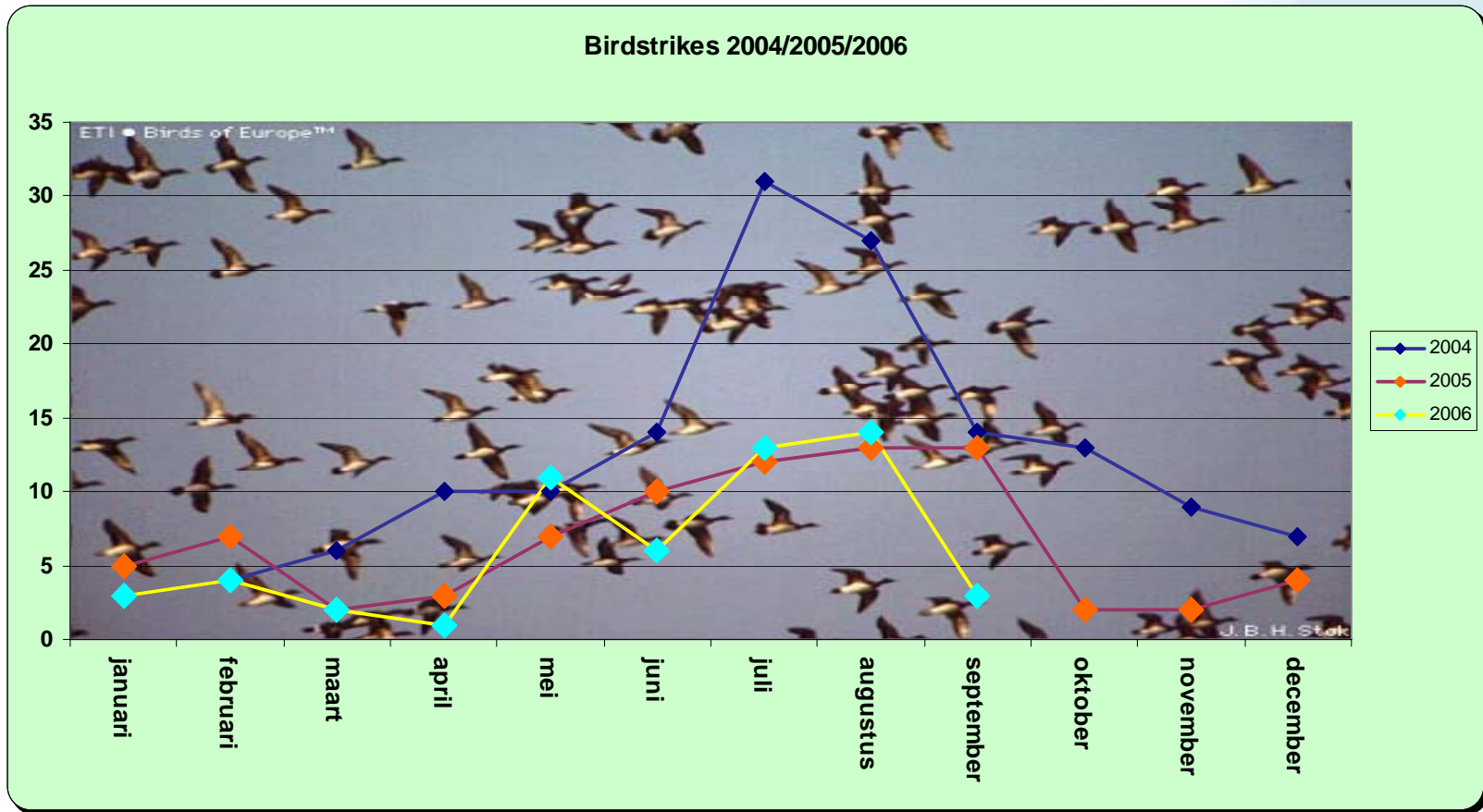
- Green laser beam
 - range up to 1000 meter effective
 - less use of pyrotechnics (less environmental safe's money)
 - good effects on ducks, gulls and Jackdawn on Aprons
 - operate from service road into the strip
 - less effect with sunlight!

Birdcontrol Amsterdam Airport Schiphol Equipment



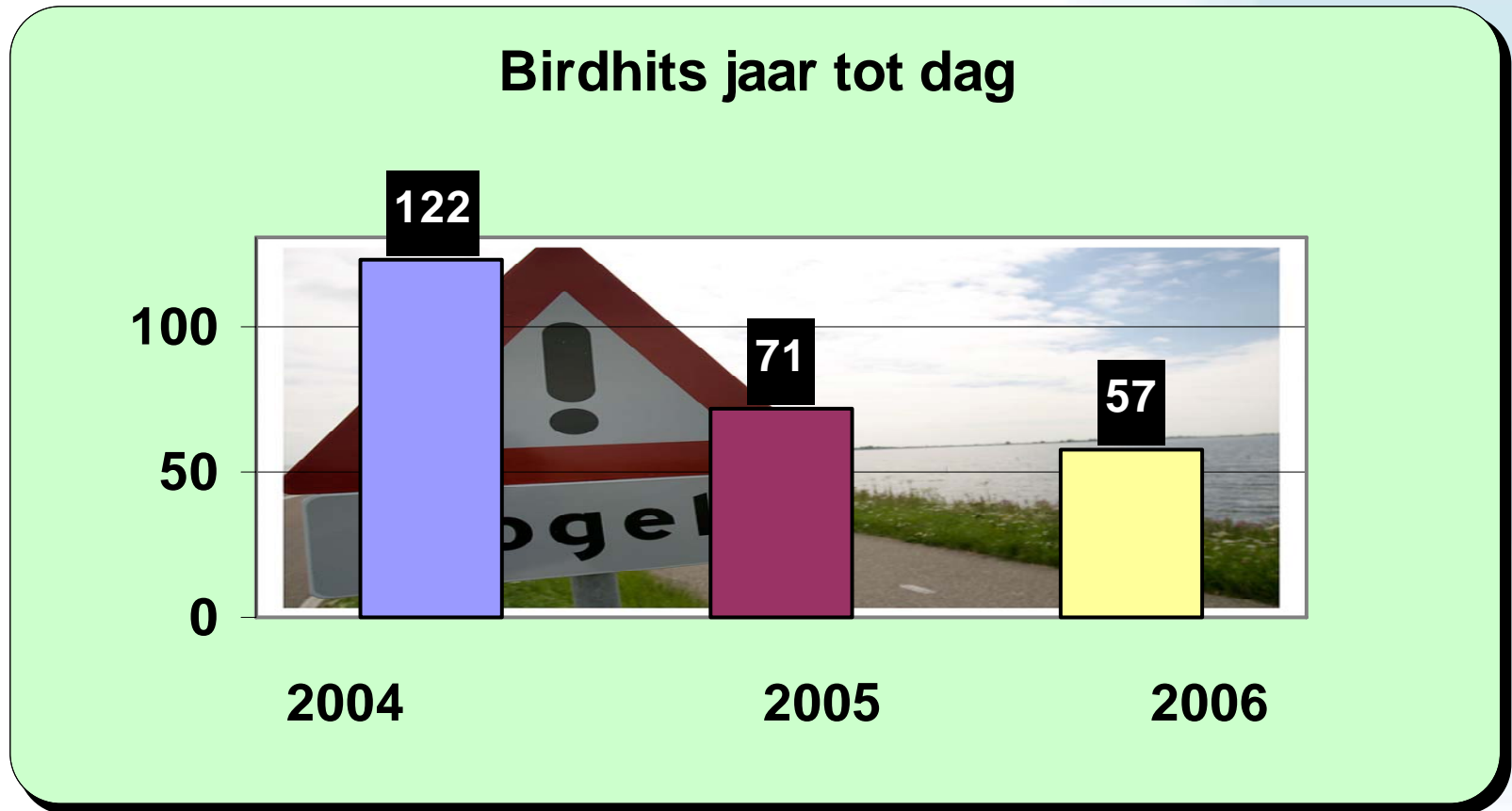
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trend



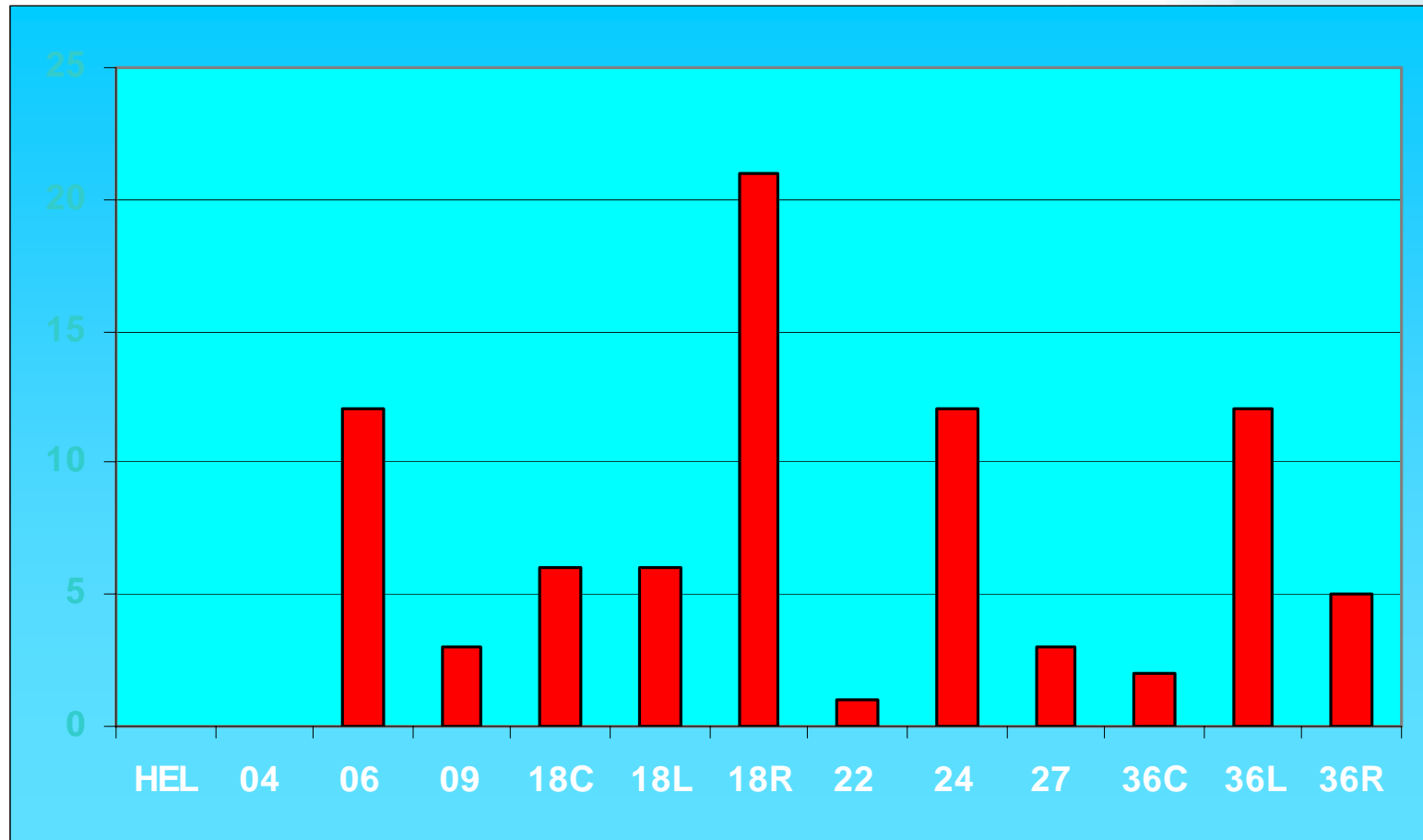
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trend



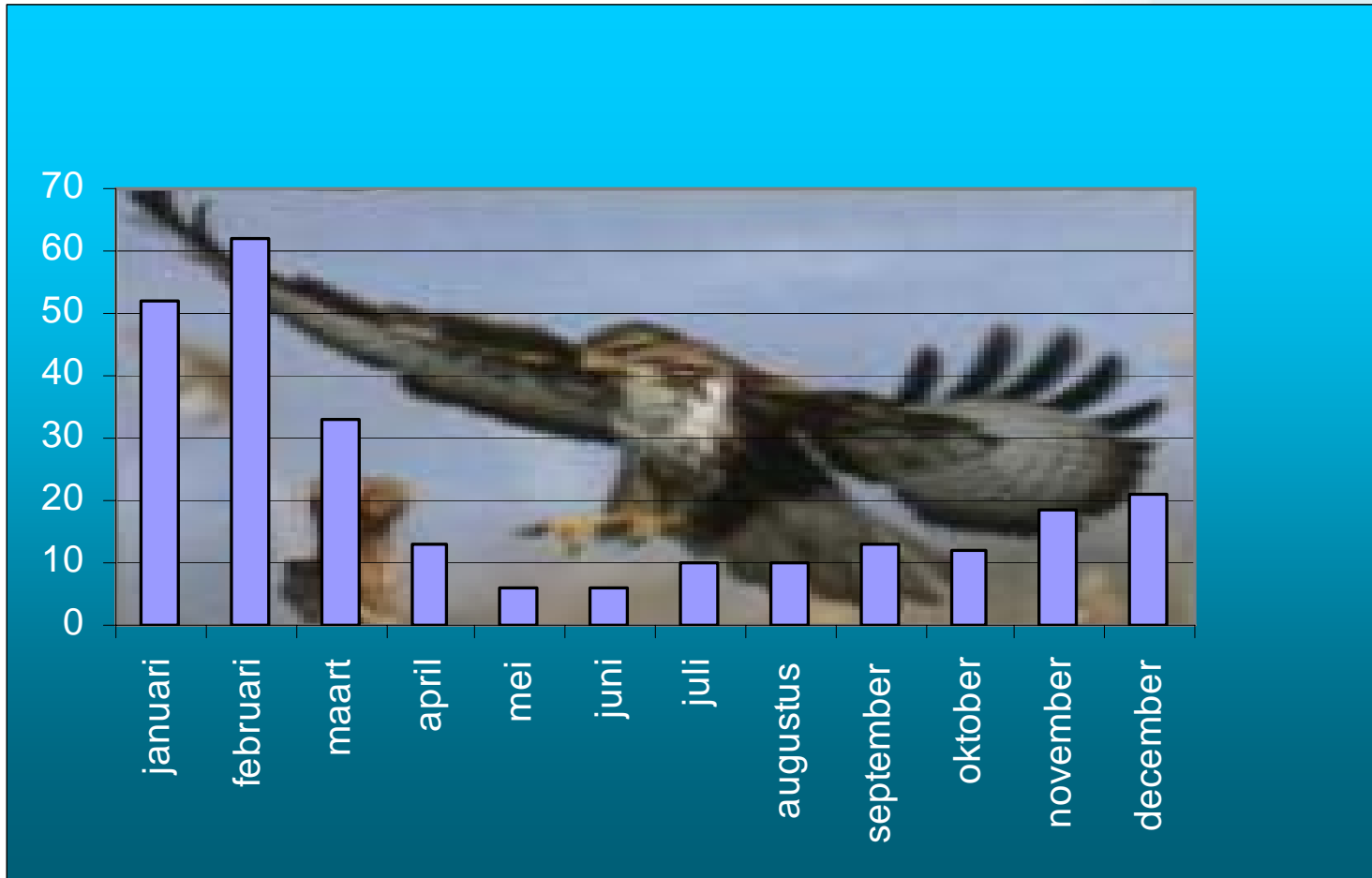
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trend by runway



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Trend, number of mice related birds.



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summary

- Layout
- Common species of birds
- Def. birdstrike
- People behind birdcontrol
- equipment
- More different methods and tools
- Trends in the future
 - Zero tolerance
 - Birdballs, to cover open waters. In examination. In use at Heathrow!
 - Looking for methods to control the number of mice (1200 HA grass)
 - Looking for more methods to disperse.
 - Radar controlled equipment.

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Innovation equipment



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