



**ICAO/ACI  
WILDLIFE STRIKE HAZARD REDUCTION  
SYMPOSIUM  
16 - 18 MAY 2017**

**AERODROME WILDLIFE HAZARD MANAGEMENT PLAN**

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A long term cooperation with...



# Our know-how → since more than 25 years



## A combination of skills at Geneva Airport Service

**A scientific expertise**



**A professional approach !**



**A recognized know-how !**



**Wildlife Hazard Prevention Unit**

**A certified teaching methodology !**



## International Airport Environment Training Center

**Education through experience and skills**



# Changes in legislation



ICAO Airport Services Manual,  
Part 3 Wildlife Control and  
Reduction, doc 9137 - Fourth  
Edition - 2012



Regulation (EC) No 1108/2009  
Annex Va  
Regulation (EC) No 139/2014  
Etc.

## Airport wildlife control programme including :

- Processes and working instructions
- airport wildlife strike risk analysis
- Organization scheme
- Airport environmental management plan
- Etc.

# Methodology - Overview



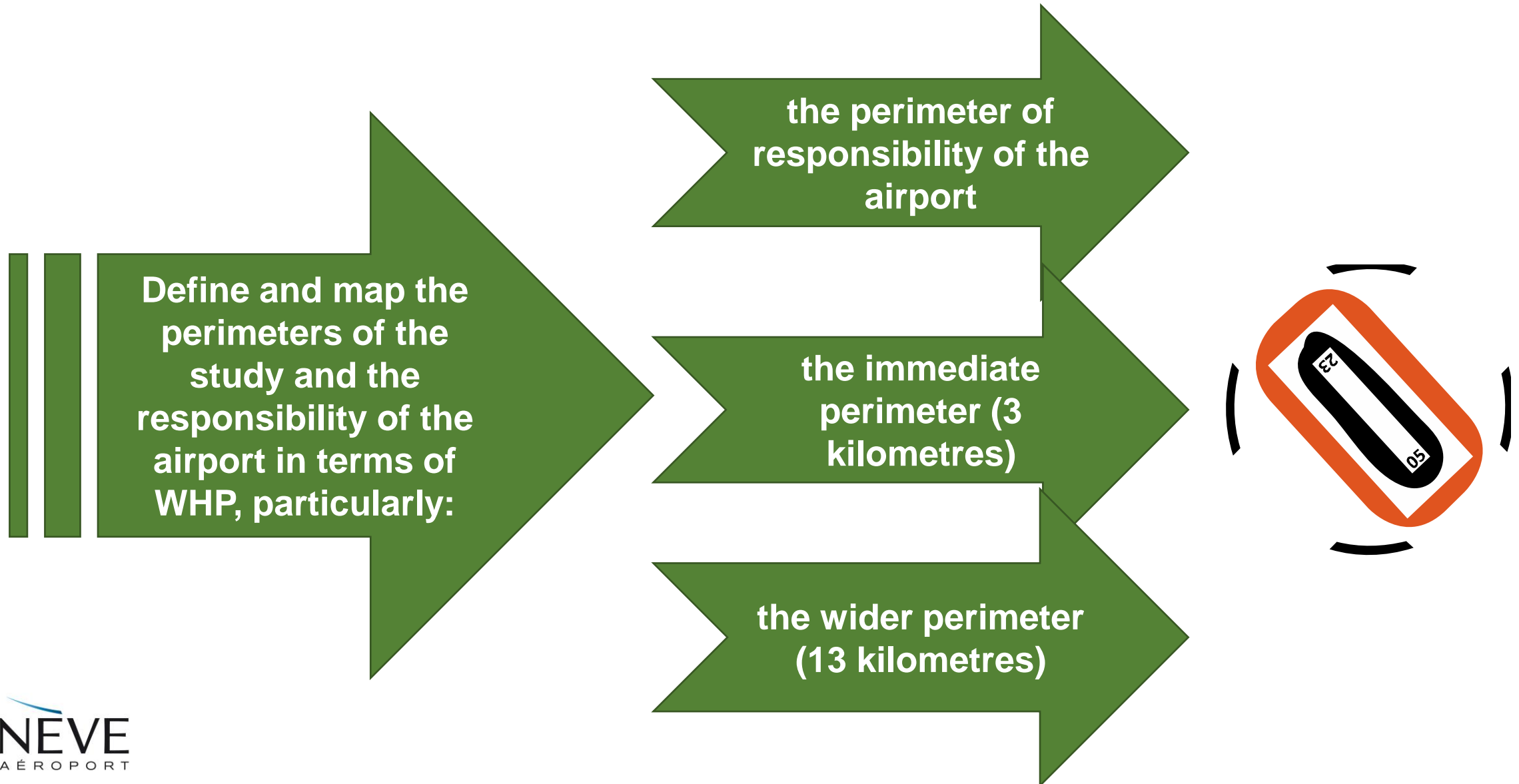
A strict application of the methodological steps suggested above will enable you to implement a wildlife control programme that is coherent and complies with legislation.

# Methodology: #1 Perimeter

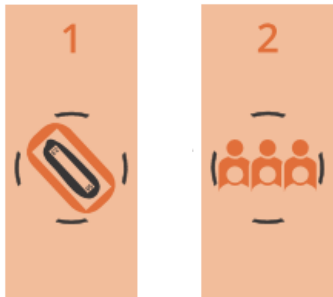


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# Methodology: #1 Perimeter



# Methodology: #2 Organize WHP



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# Methodology: #2 Organize WHP

Organize the wildlife hazard prevention:

Appoint the wildlife hazard manager

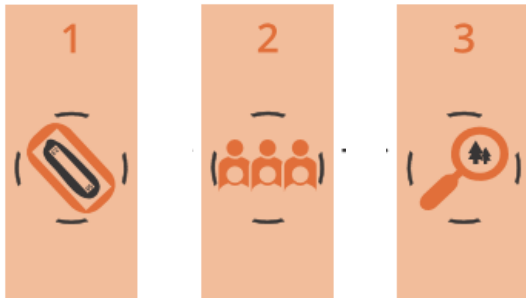
Set up and organise the wildlife hazard prevention service

Set up and organise a local wildlife hazard prevention committee

Define the mandates and responsibilities of the players in the "wildlife hazard" process



# Methodology: #3 Your environment



A strict application of the methodological steps suggested above will enable you to implement a wildlife control programme that is coherent and complies with legislation.

# Methodology: #3 Your environment

Perform the environmental diagnostics for the airport and monitor modifications to the environment within the perimeter of responsibility:

Identify the natural and anthropic media

Assess the biological value of the natural media

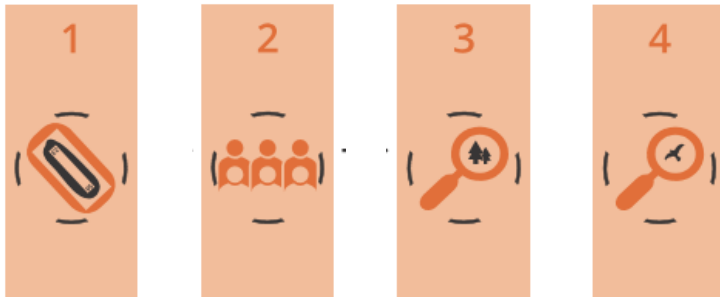
Identify and locate attractants

Map the natural and anthropic media as well as the hot spots

Permanently monitor modifications to the airport environment

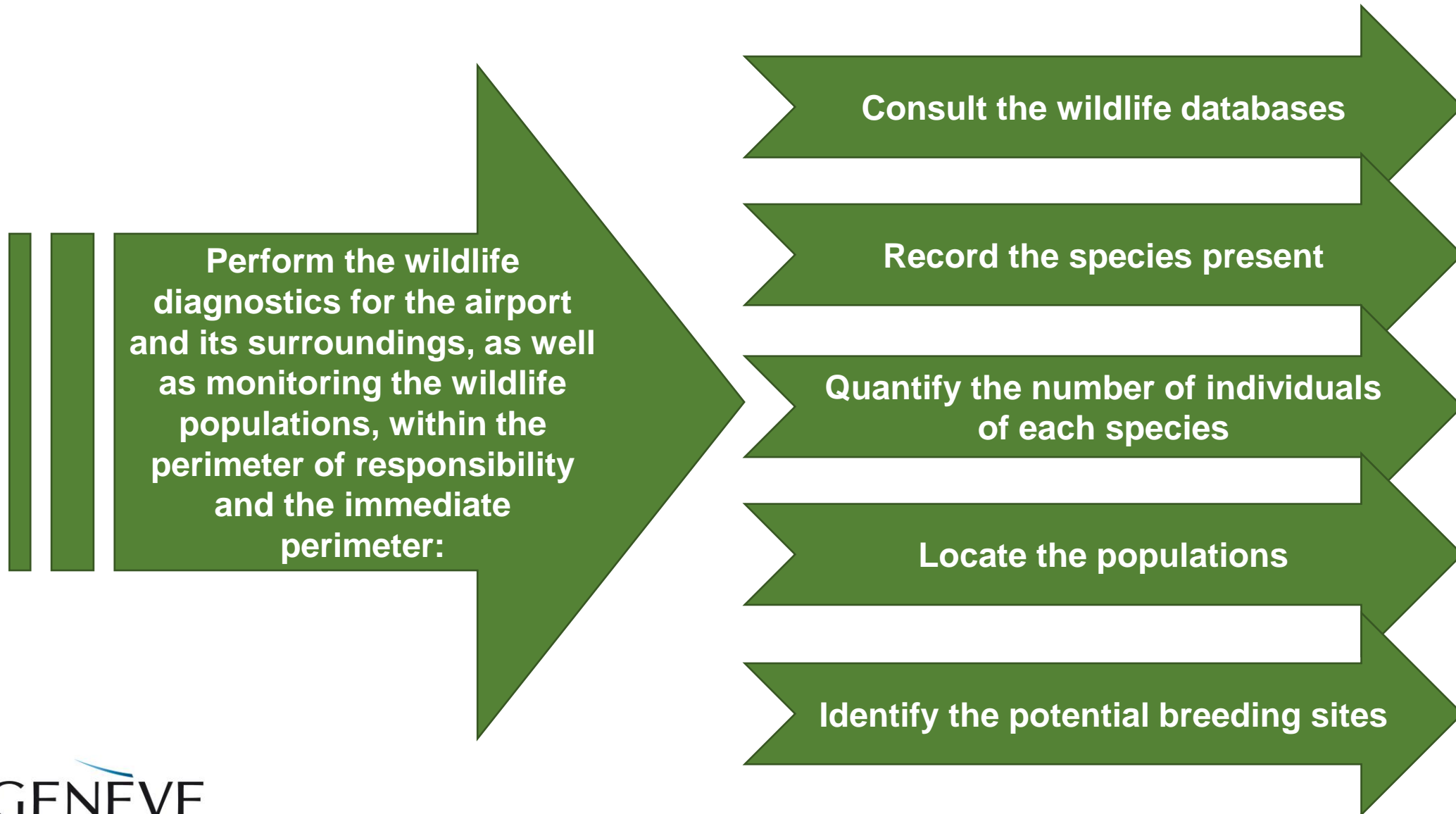


# Methodology: #4 Wildlife

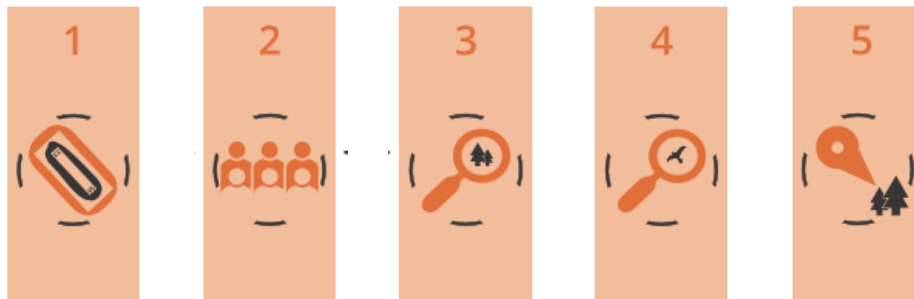


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# Methodology: #4 Wildlife

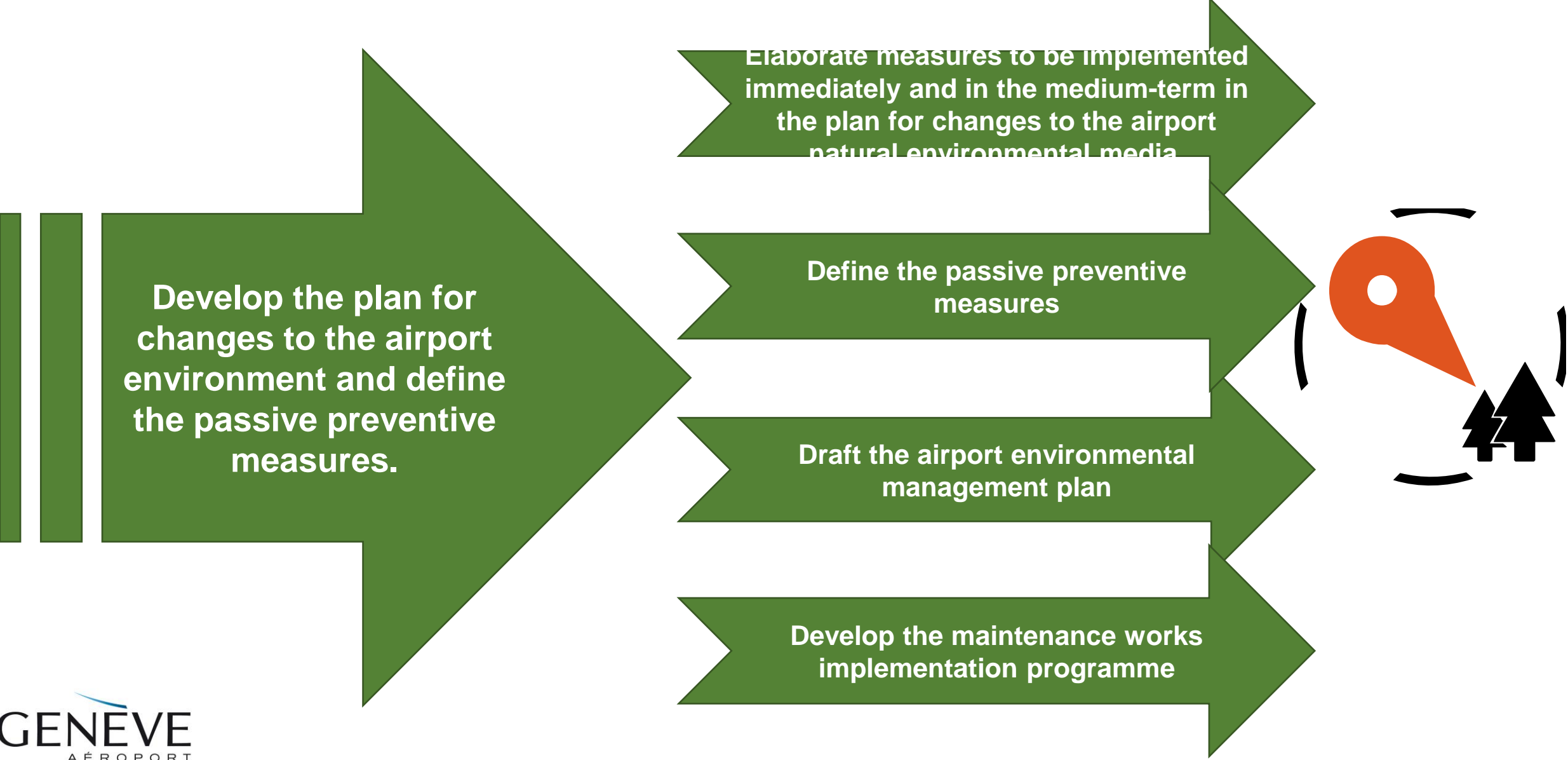


# Methodology: #5 Passive measures

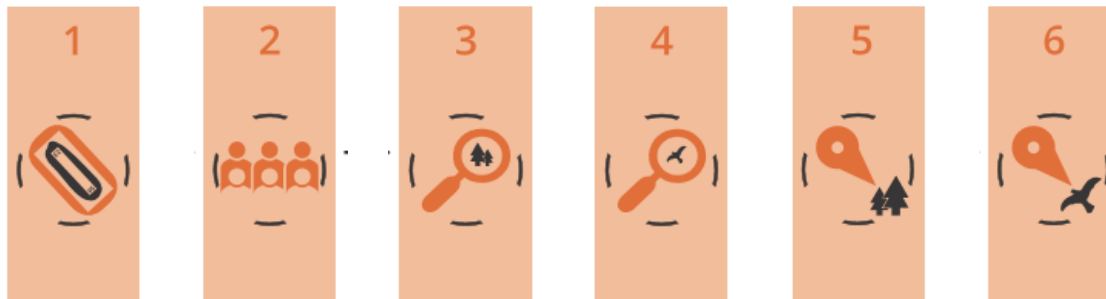


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# Methodology: #5 Passive measures



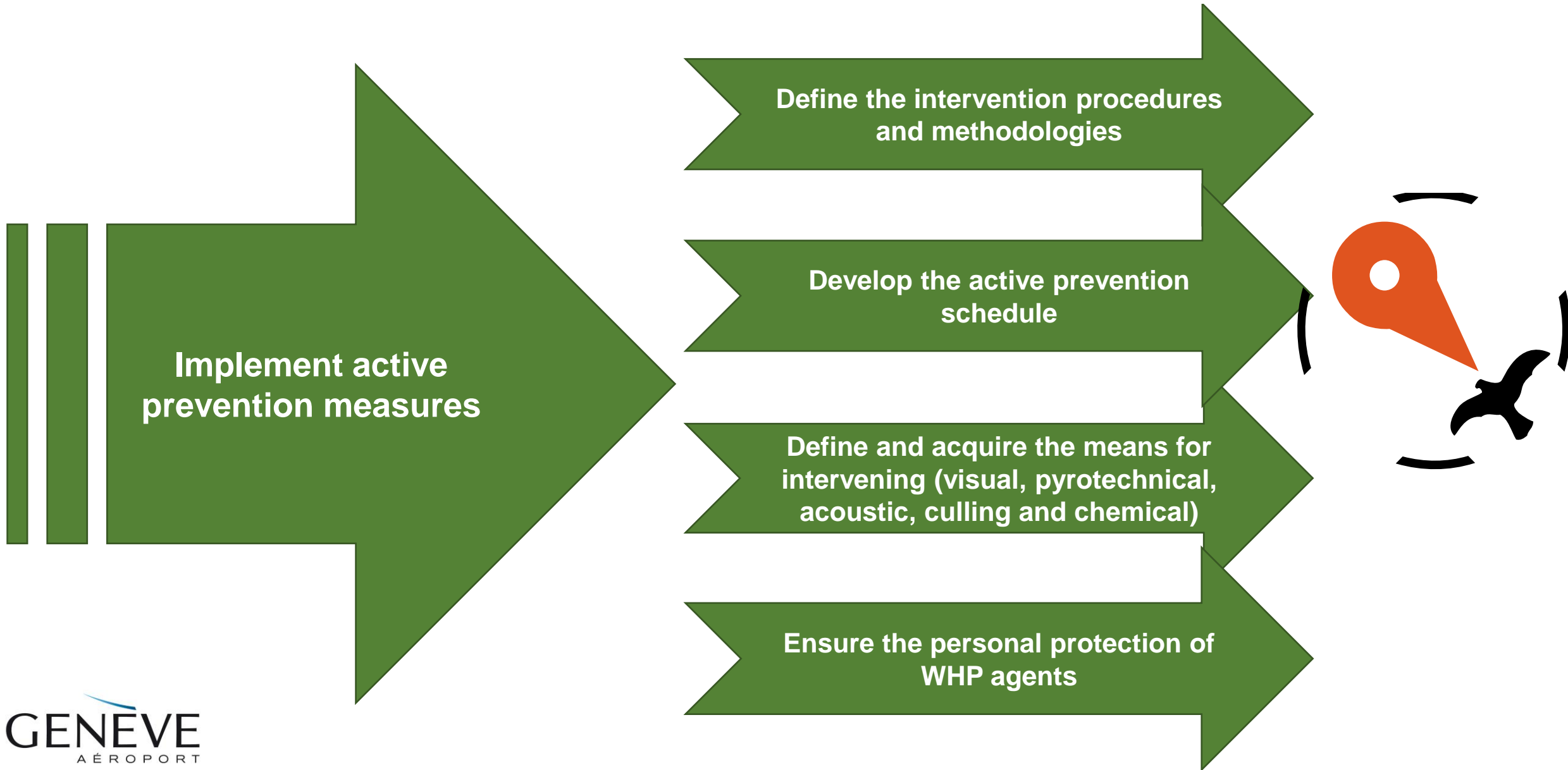
# Methodology: #6 Active measures



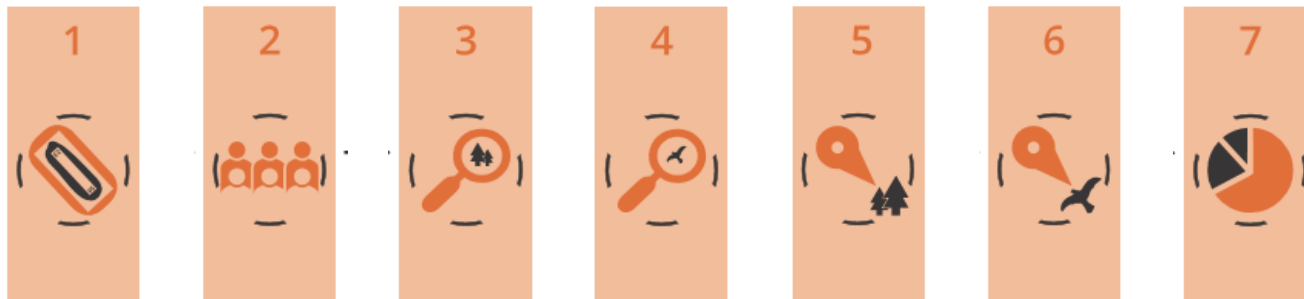
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# Methodology: #6 Active measures

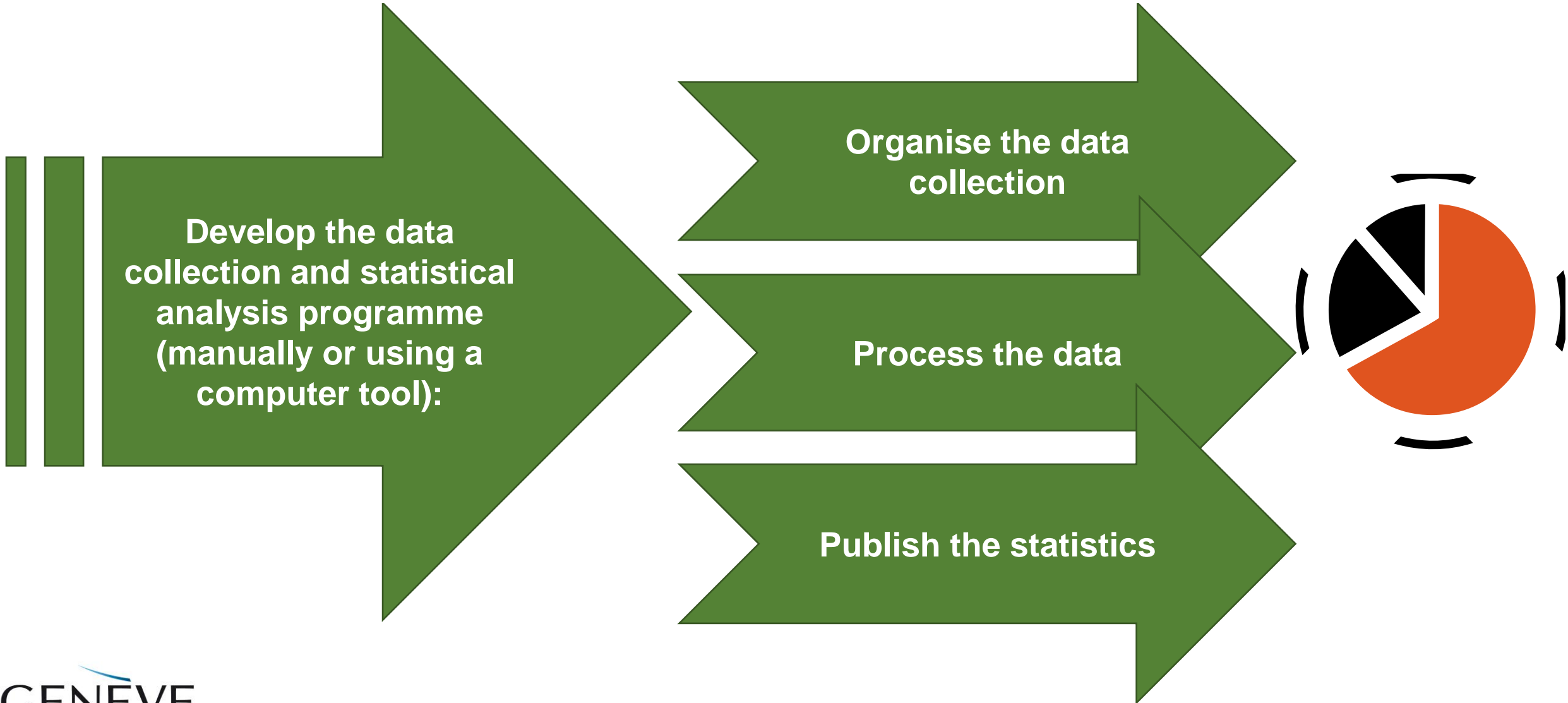


# Methodology: #7 Datas

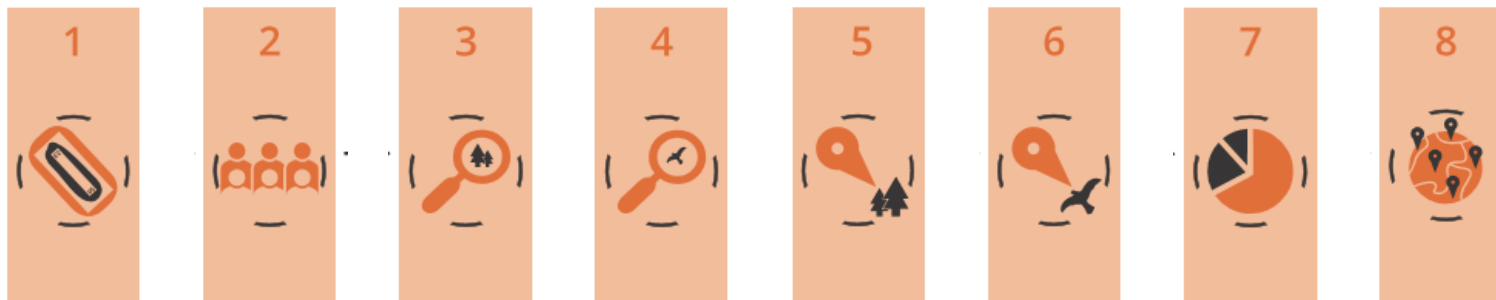


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# Methodology: #7 Datas



# Methodology: #8 Assess risk



A strict application of the methodological steps suggested above will enable you to implement a wildlife control programme that is coherent and complies with legislation.

# Methodology: #8 Assess risk

Assess the airport wildlife strike risk:

Define the indicative level of the wildlife strike risk at the airport for the perimeter of responsibility

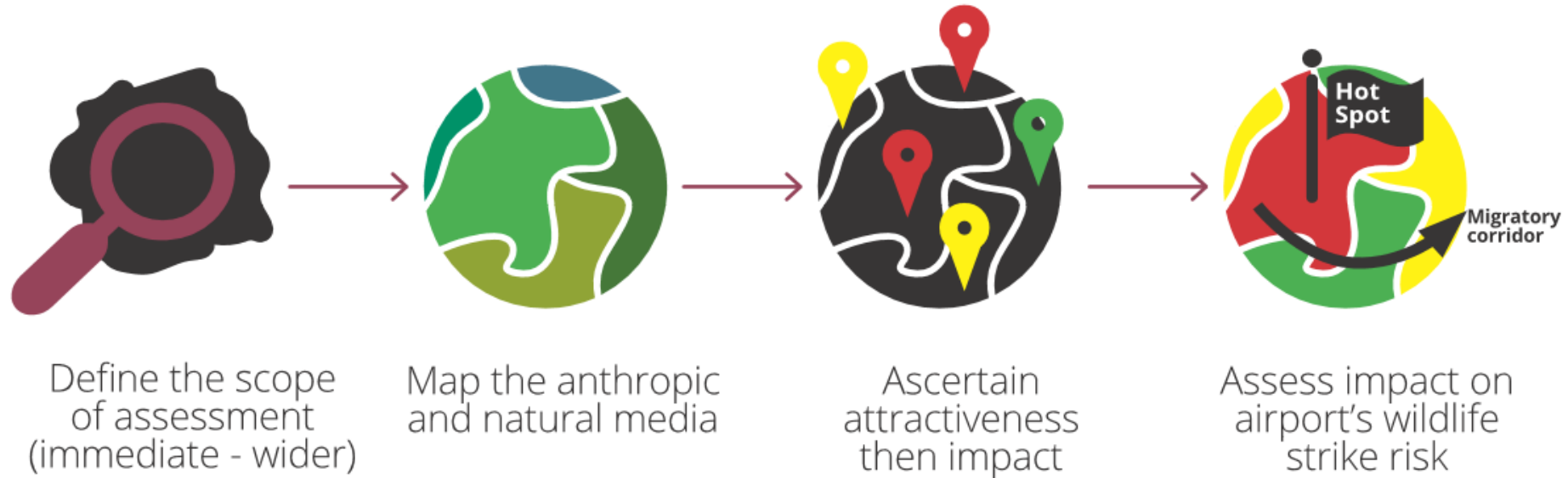
Assess the level of impact on the airport's wildlife strike risk for the wider perimeter

MANIRA Airport  
®



MAINRA Airport  
®

# “Methodology for assessing the level of impact on the airport wildlife strike risk within a radius of 13 kilometres” (MAINRA-Airport®)

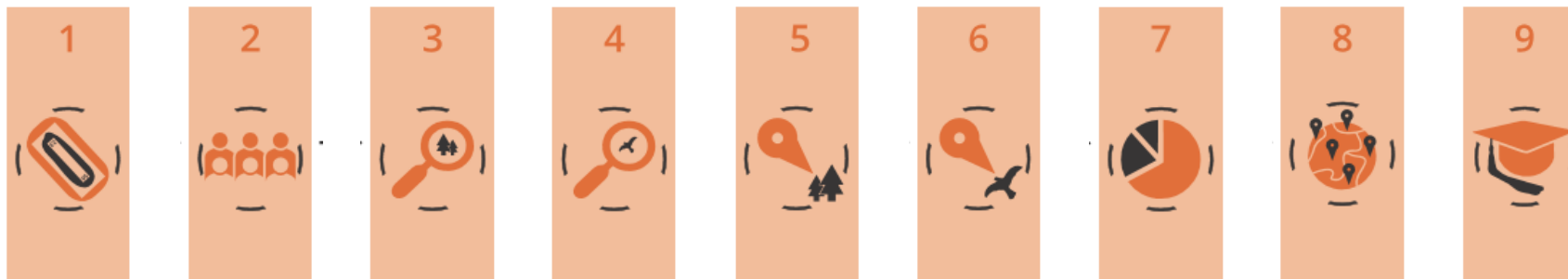


# Publication of an extensive explanatory report :

- ✓ Introduction
- ✓ Methodology
- ✓ Perimeters
- ✓ Media
- ✓ Attractiveness of the media for wildlife
- ✓ Level of influence on the airport's wildlife strike risk
- ✓ Hots spots
- ✓ Bird corridors
- ✓ Level of impact on the airport's wildlife strike risk
- ✓ Management of level of impact – recommended mitigation measures
- ✓ Conclusion & annexes (maps, fact sheets, etc.)



# Methodology: #9 Training



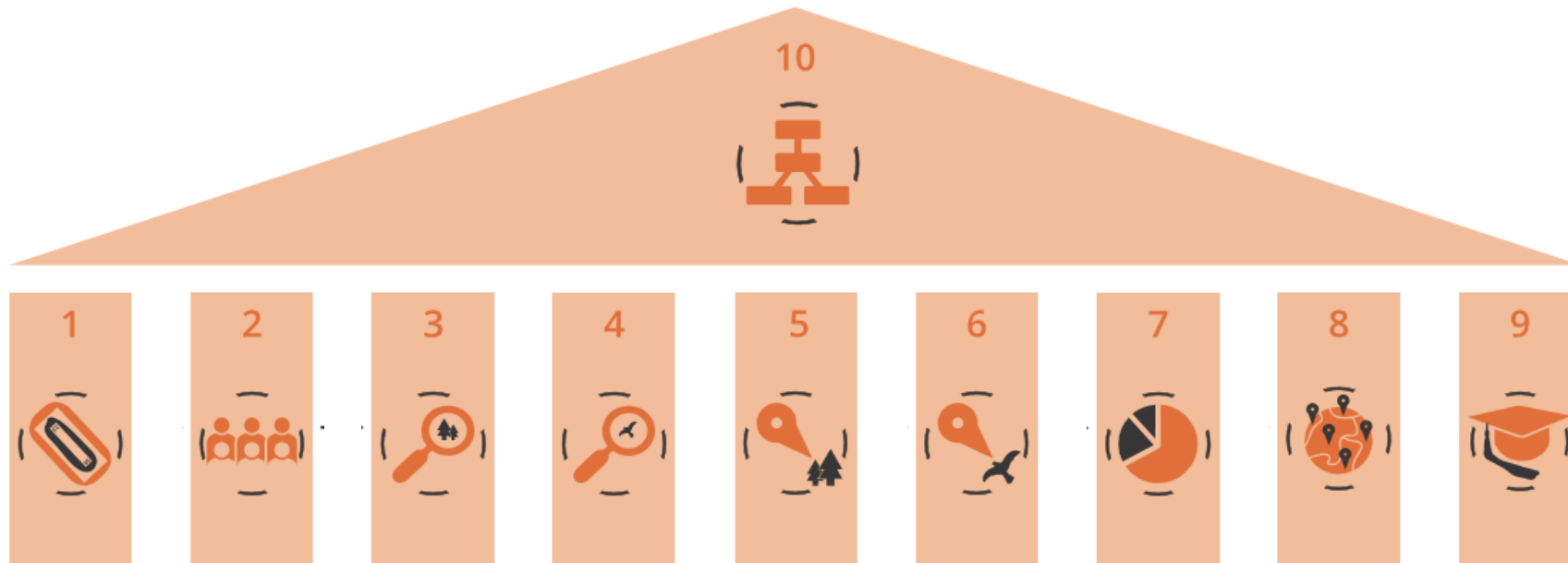
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# Methodology: #9 Training

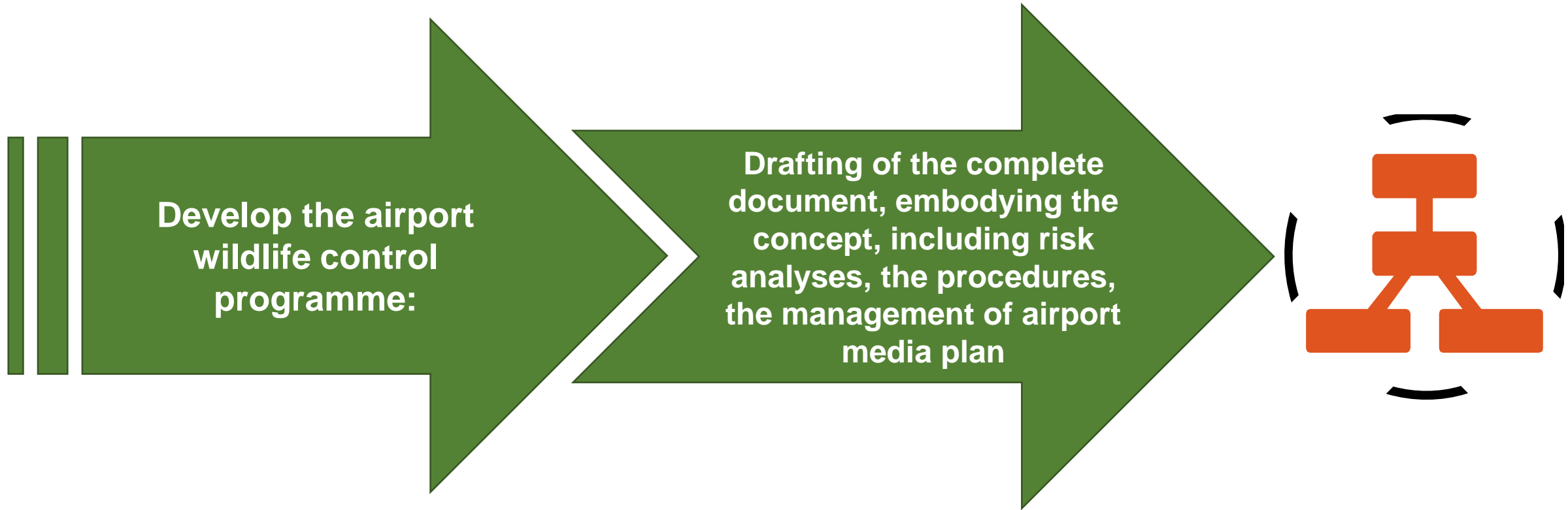


# Methodology: #10 Wildlife control programme



A strict application of the methodological steps suggested above will enable you to implement a wildlife control programme that is coherent and complies with legislation.

# Methodology: #10 Wildlife control programme



# Methodology - Summary



A strict application of the methodological steps suggested above will enable you to implement a wildlife control programme that is coherent and complies with legislation.

A complete toolbox for safeguarding both air users and the wildlife present near airports

Published to support airport operators & WHM Managers

Including MANIRA-Airport® risk analysis software





Thank you for your attention !

A blue swoosh graphic above the word 'GENEVE'.  
**GENEVE**  
A É R O P O R T

[michel.glorieux@gva.ch](mailto:michel.glorieux@gva.ch)

Wildlife Hazard Unit Manager

Geneva, Switzerland