



SCIENTIFIC KNOWLEDGE REQUIRED FOR PREPARING CONTINGENCY PLANS FOR XYLELLA FASTIDIOSA

Sybrein Vos
Team Leader Plant Health Monitoring

OUTLINE



EFSA & Plant health monitoring

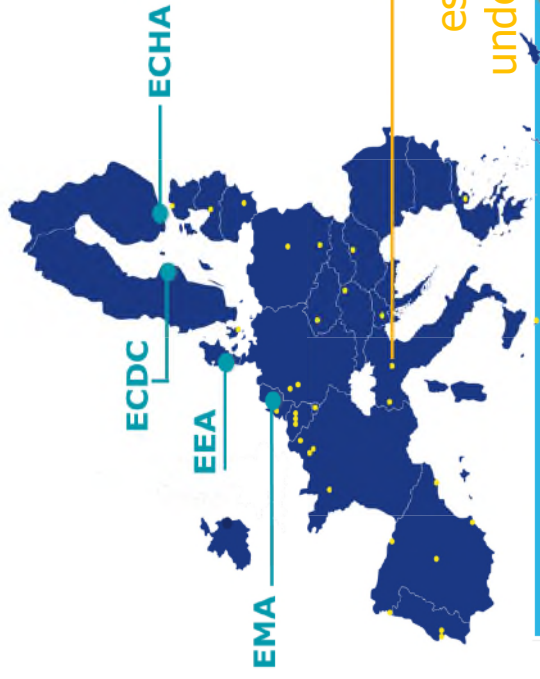
Actors of the contingency plan

Science in the contingency planning

Interaction between Scientific fields

Conclusion

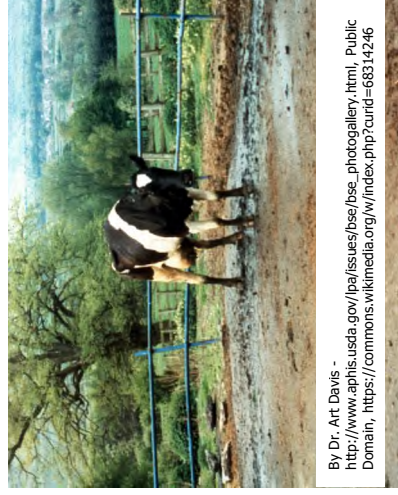




established
under EU law in
2002



The reference body for risk
assessment of food and feed in the
European Union. Its work covers the
entire food chain – from field to fork



By Dr. Art Davis -
http://www.aphis.usda.gov/lpa/issues/bse/bse_photogallery.html, Public
Domain, <https://commons.wikimedia.org/w/index.php?curid=68314246>



shutterstock.com · 2137679763



PLANT HEALTH MONITORING

Support to PREPARATION

Early warning

Horizon
scanning

Risk assessment
and
Pest prioritisation

Entry

Establishment

Spread

Impact

Pest ranking

Support to IMPLEMENTATION

Early
detection

Pest survey toolkit



CONTINGENCY PLANNING AND PM 9/10 (1)

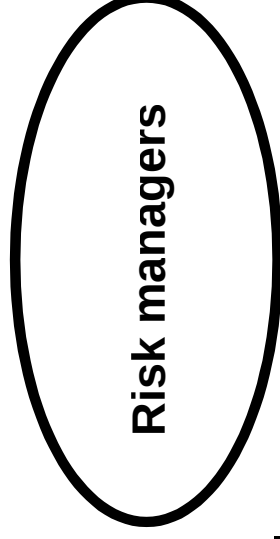
- **Purpose:** Ensure rapid and effective response to pest outbreaks
- **Scope:** Applicable to generic and pest-specific plans
- **Objective:** Minimize economic and environmental impacts



Generated with AI · April 17, 2025 at 4:15 PM



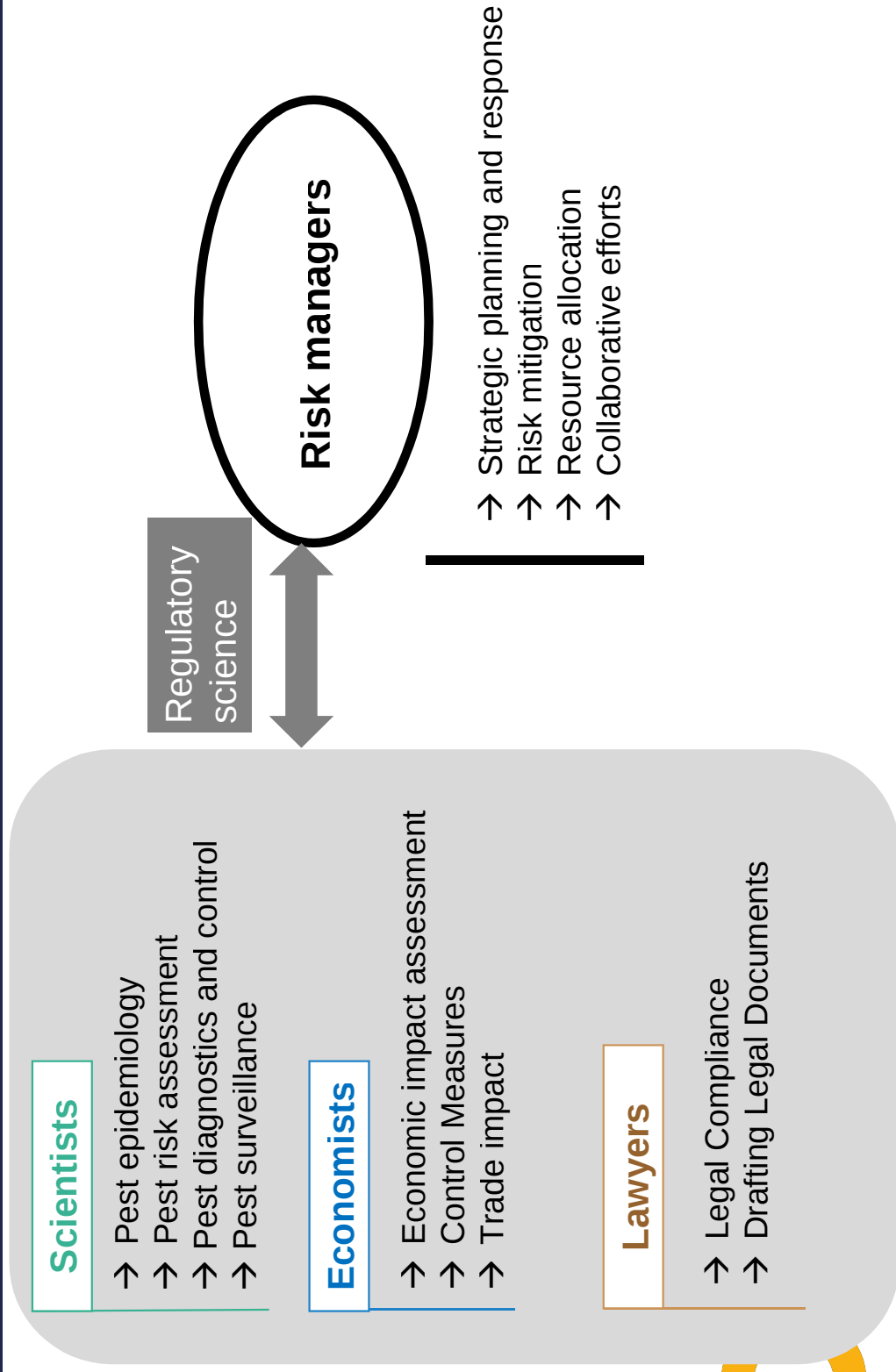
ACTORS OF THE CONTINGENCY PLANNING



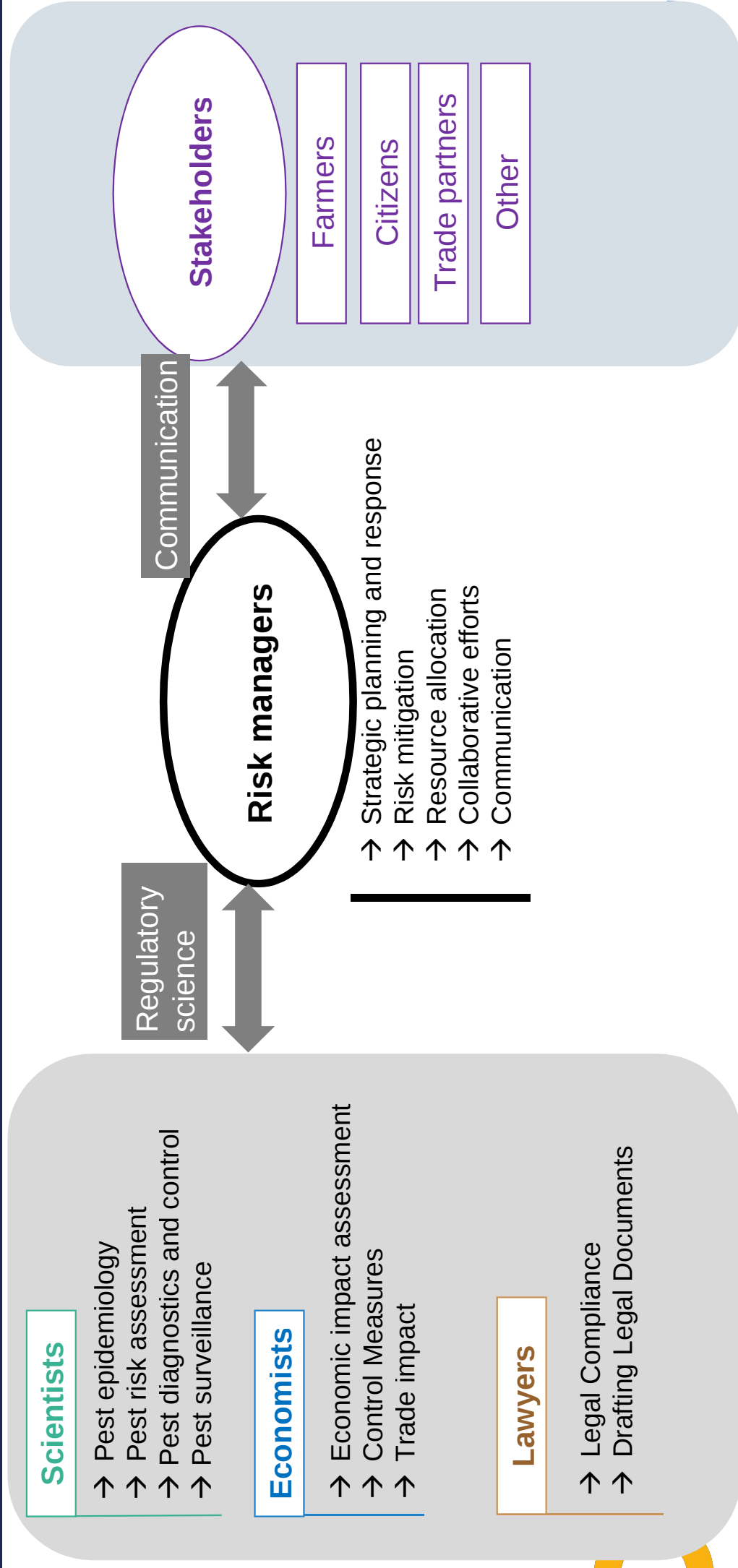
- Strategic planning and response
- Risk mitigation
- Resource allocation



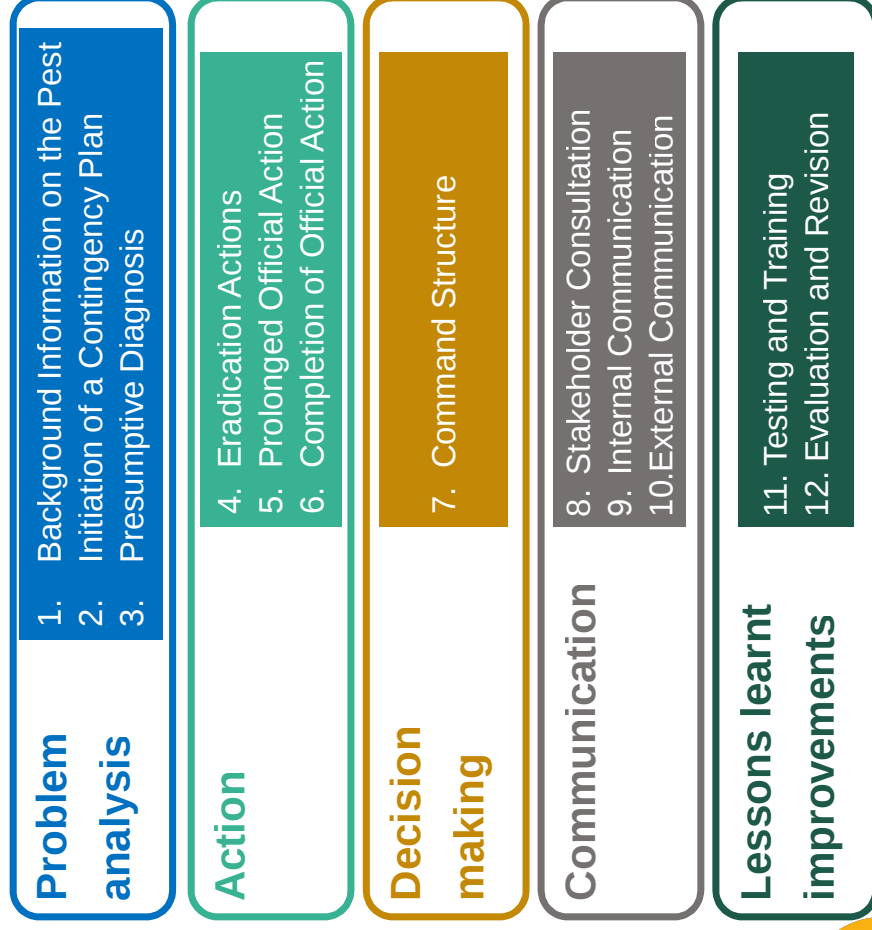
ACTORS OF THE CONTINGENCY PLANNING



ACTORS OF THE CONTINGENCY PLANNING



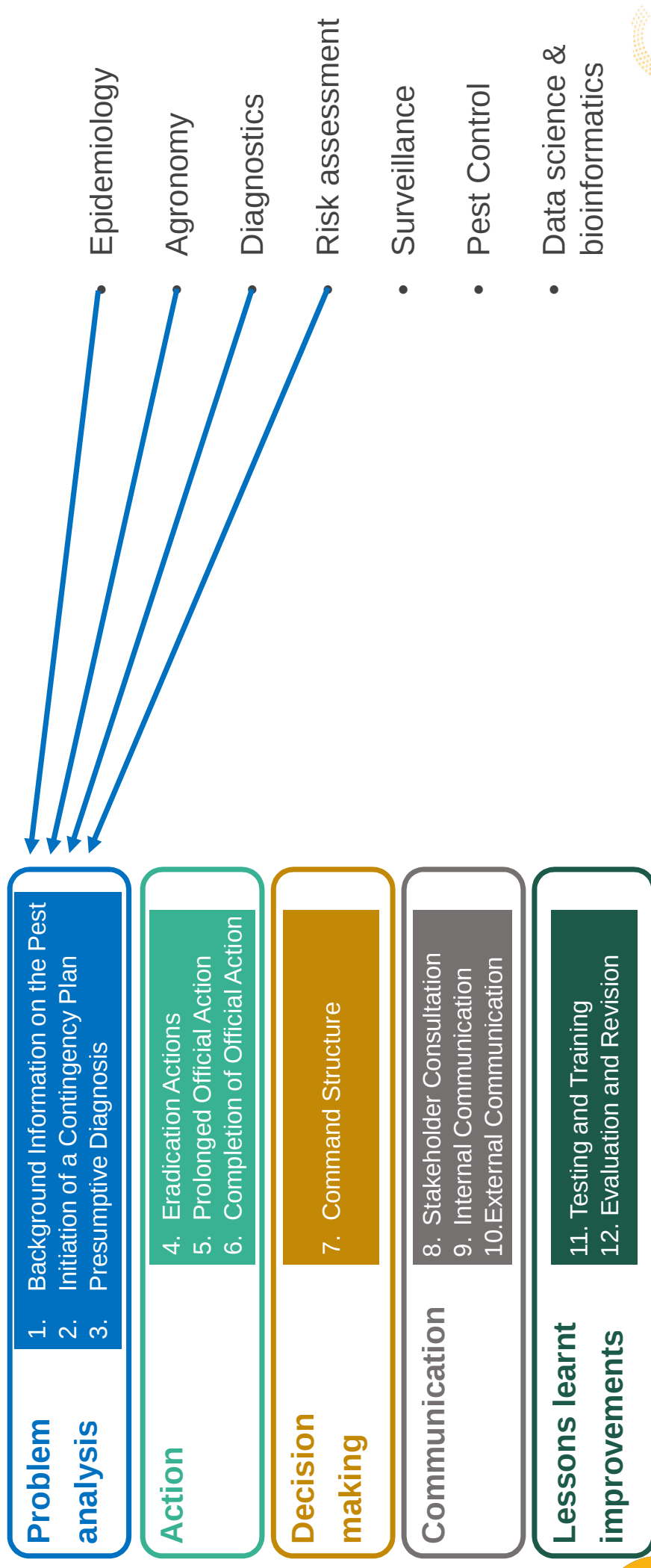
CONTINGENCY PLANNING AND SCIENTIFIC EXPERTISE



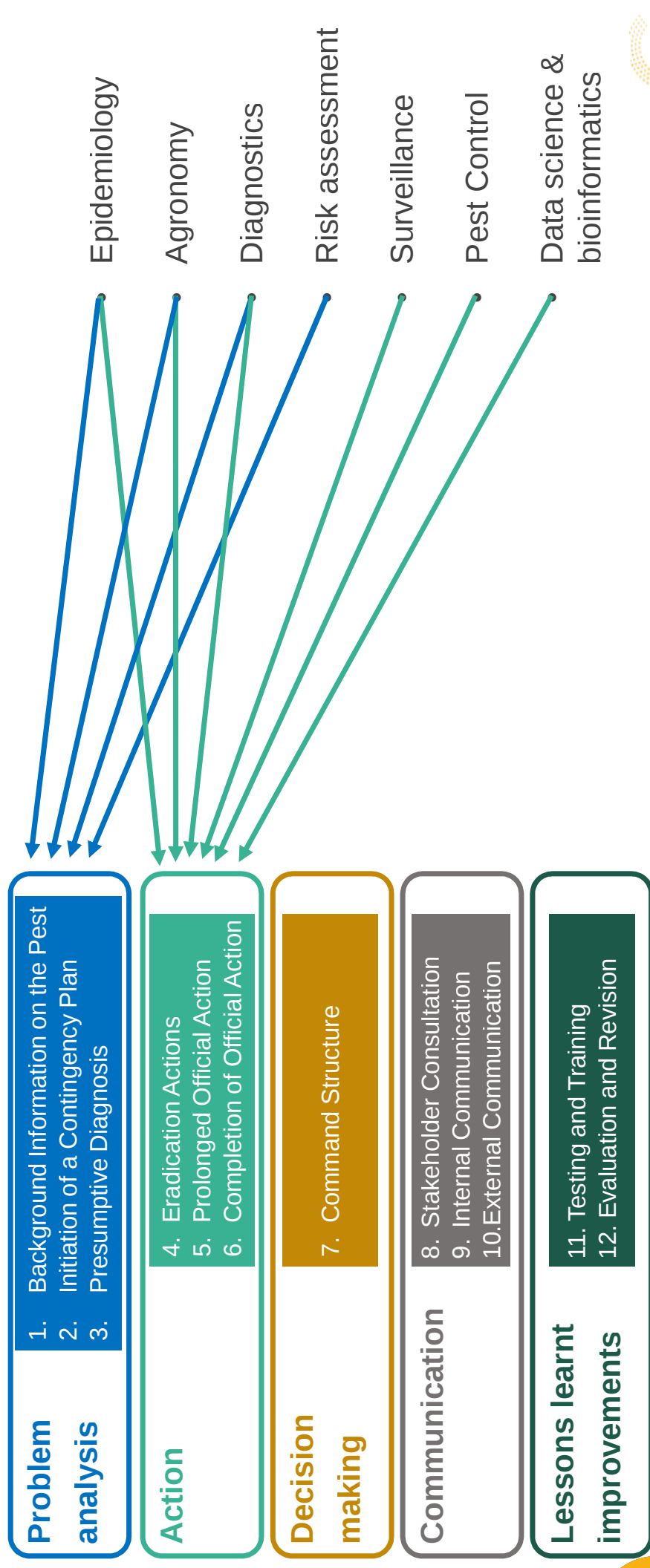
- Epidemiology
- Agronomy
- Diagnostics
- Risk assessment
- Surveillance
- Pest Control
- Data science & bioinformatics



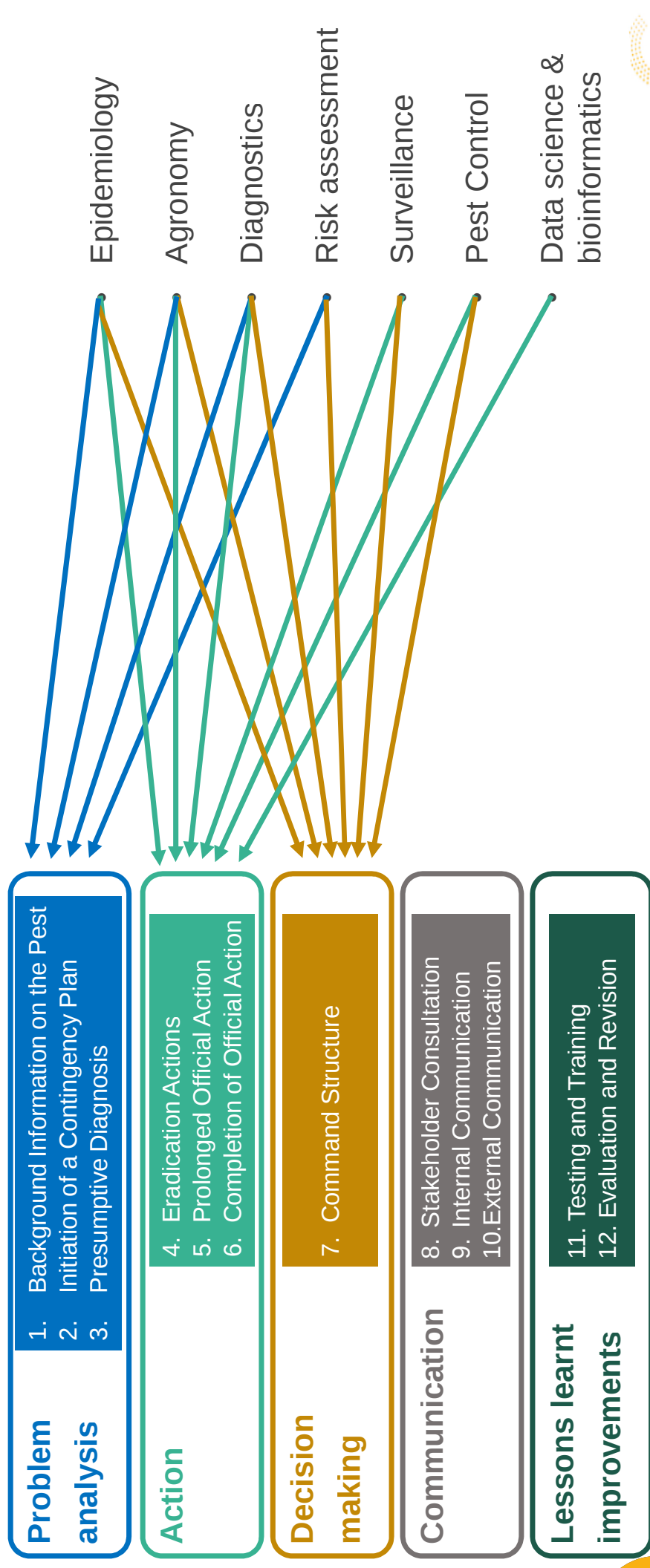
CONTINGENCY PLANNING AND SCIENTIFIC EXPERTISE

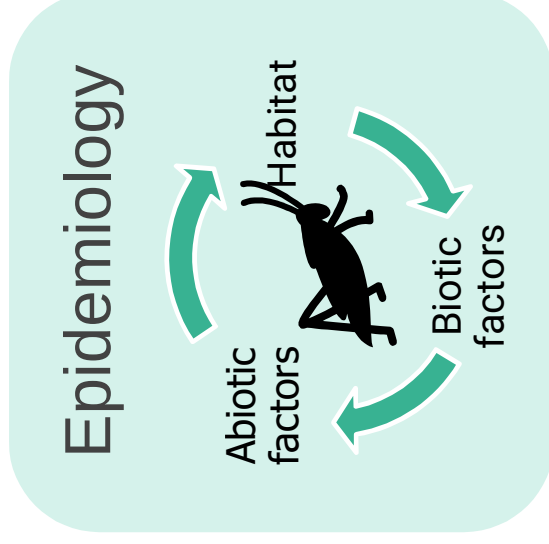


CONTINGENCY PLANNING AND SCIENTIFIC EXPERTISE



CONTINGENCY PLANNING AND SCIENTIFIC EXPERTISE

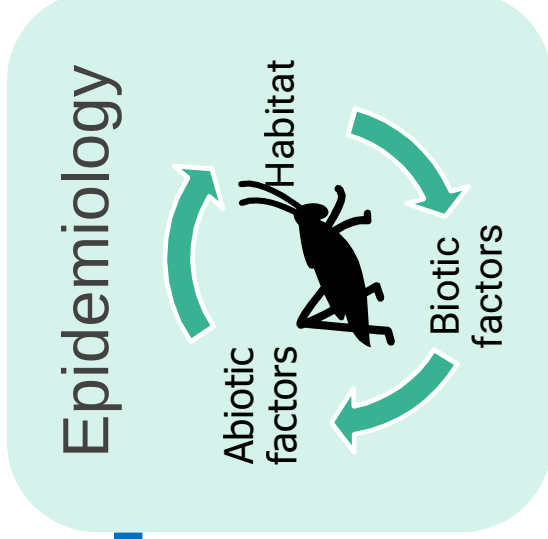


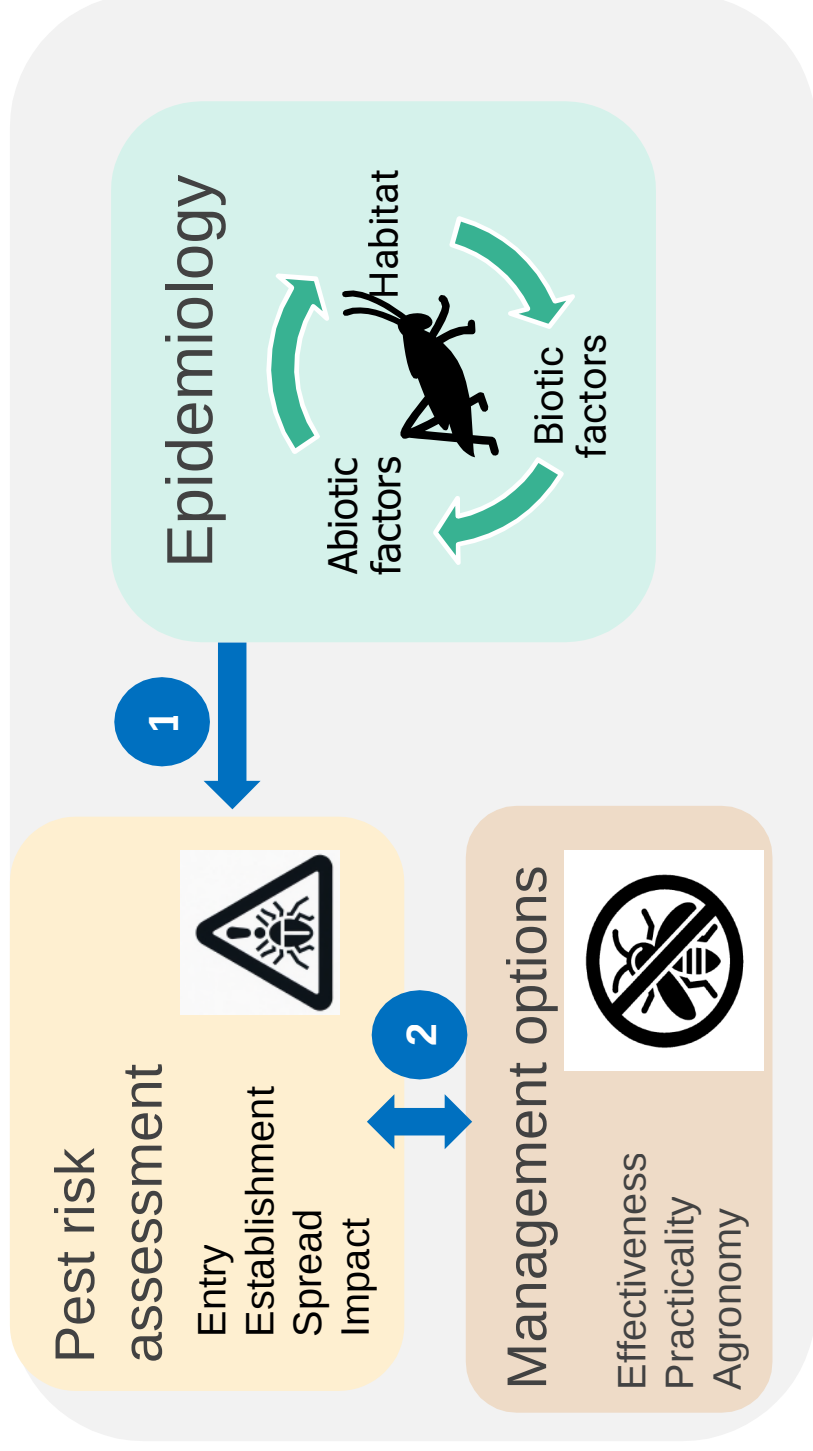




Pest risk assessment

Entry
Establishment
Spread
Impact





Pest risk assessment

Entry
Establishment
Spread
Impact

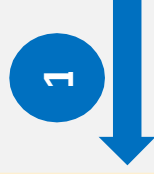


Management options

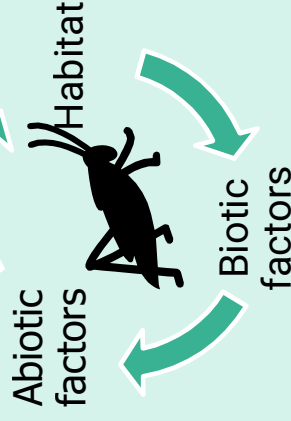
Effectiveness
Practicality
Agronomy



1



Epidemiology



3



Surveillance

General surveillance
& Horizon scanning

Specific surveys
Detection & diagnostics



What
Where
When How
How much



Pest risk assessment

Entry
Establishment
Spread
Impact

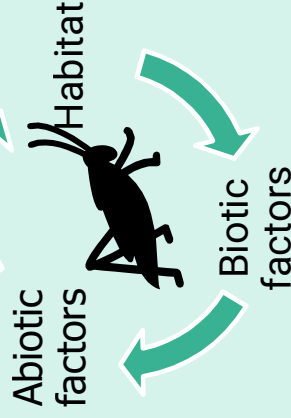


Management options

Effectiveness
Practicality
Agronomy



Epidemiology



Surveillance

General surveillance
& Horizon scanning

Specific surveys
Detection & diagnostics



What
Where
When How
How much

Bio-informatics

Data analysis
Statistics



4

3

1

2



Pest risk assessment

Entry
Establishment
Spread
Impact

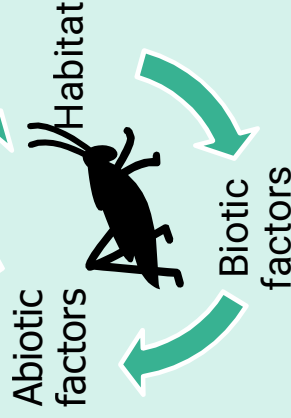


Management options

Effectiveness
Practicality
Agronomy



Epidemiology



Surveillance

General surveillance
& Horizon scanning

Specific surveys
Detection & diagnostics



What
Where
When How
How much

Bio-informatics

Data analysis
Statistics



1

2

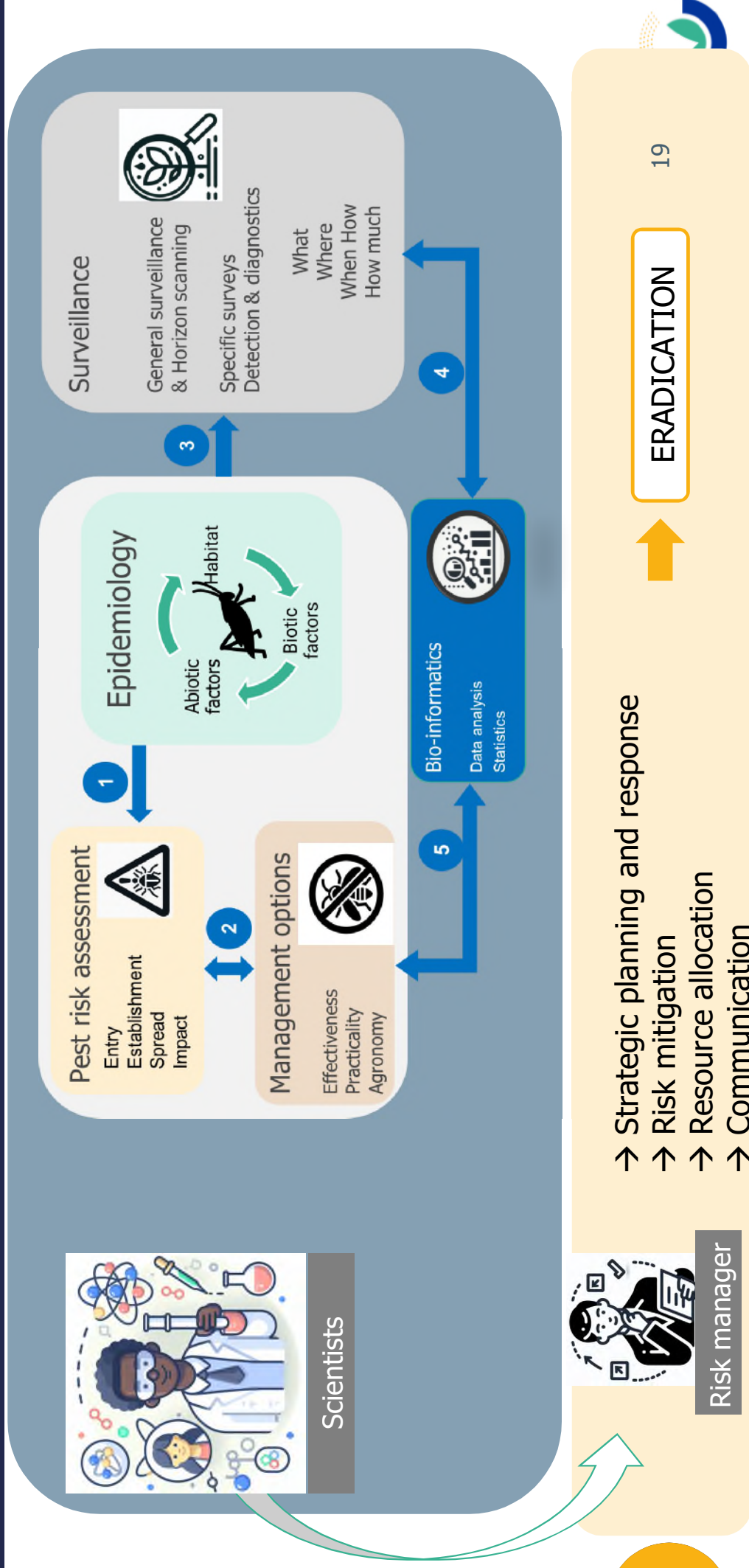
3

5

4



CONCLUSION



STAY CONNECTED

SUBSCRIBE TO

efsa.europa.eu/en/news/newsletters
efsa.europa.eu/en/rss
[Careers.efsa.europa.eu](https://careers.efsa.europa.eu) – job alerts



FOLLOW US ON BLUESKY

[@efsa.bsky.social](https://efsa.bsky.social)
[@efsa-animals.bsky.social](https://efsa-animals.bsky.social)
[@efsa-plants.bsky.social](https://efsa-plants.bsky.social)



FOLLOW US ON INSTAGRAM
[@onehealth_eu](https://www.instagram.com/onehealth_eu)



LISTEN TO OUR PODCAST

Science on the Menu – Spotify, Apple Podcast and YouTube



FOLLOW US ON LINKEDIN
[Linkedin.com/company/efsa](https://www.linkedin.com/company/efsa)



CONTACT US
efsa.europa.eu/en/contact/askefsa

