

EFSA develops scientifically based survey guidelines for EU Member States

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EFSA was requested (article 31 of Regulation (EC) No 178/2002) by the Commission of the European Union (EU) to facilitate EU Member States in their planning and execution of their survey activities by

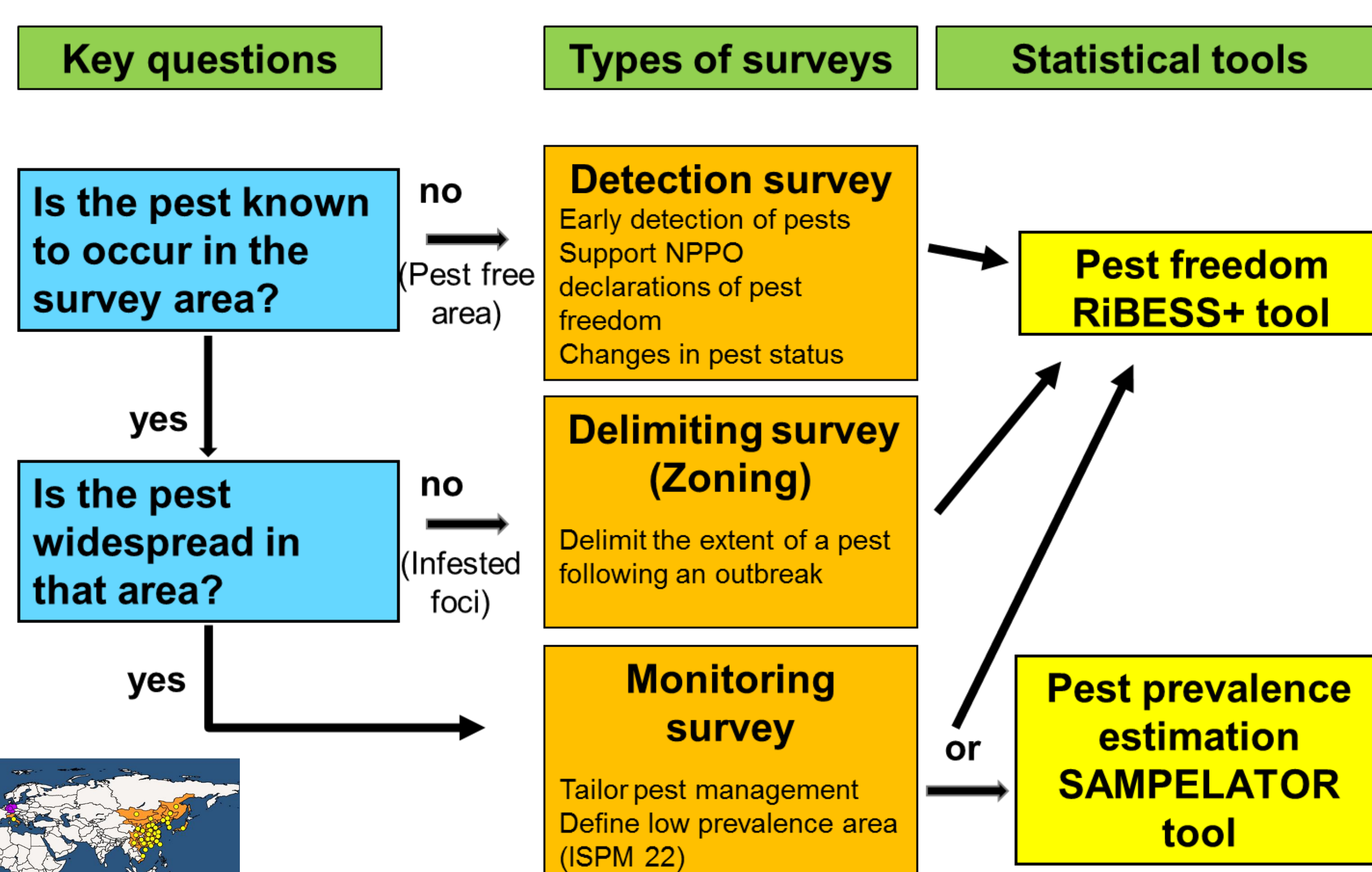
- providing practical and concise outputs
- addressing all pests of the survey work program 2018-2020
- providing detailed guidelines for surveillance for 3 pilot organisms

Outputs (already available: <https://bit.ly/2Yg5cmh>)

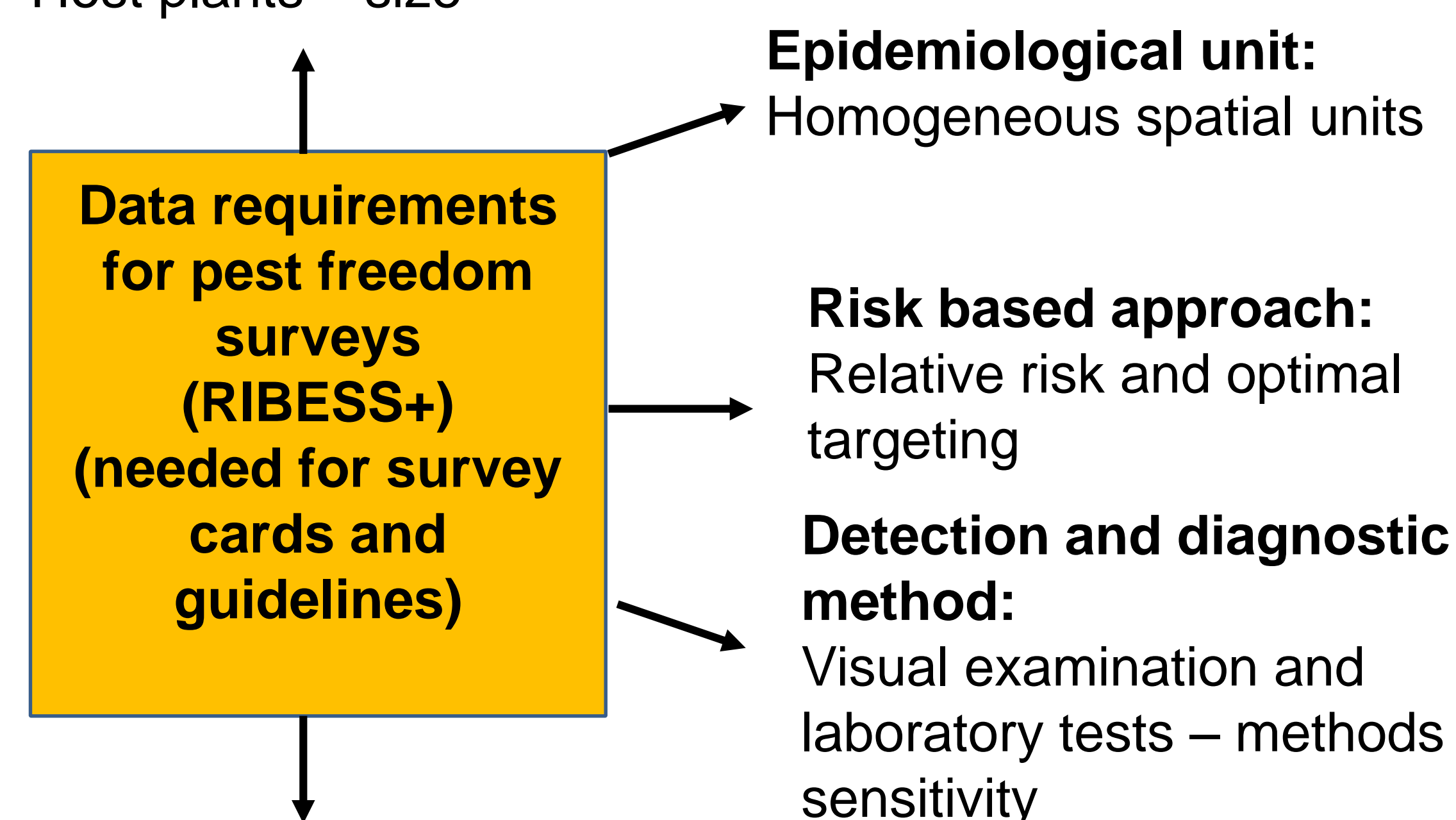
- 1. Workplan and methods** for EFSA to develop plant pest survey guidelines for EU Member States (March 2018, EFSA Journal).
- 2. “Pest survey cards”** with all necessary information for scientifically and technically based surveys. Already available: 7 Citrus cards for 12 pests, 8 Potato cards for 13 pests, 2 Miscellaneous card for 2 pest. In preparation: 12 cards for 13 forest pests, 15 cards for 15 miscellaneous pests.
- 3. General and specific guidelines, pest survey cards for three pilot pests:** *Agilus planipennis*, *Phyllosticta citricarpa* and *Xylella fastidiosa*. Already available: pest survey card for *Xylella fastidiosa*.



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Target population:
Host plants – size



Design prevalence and confidence:

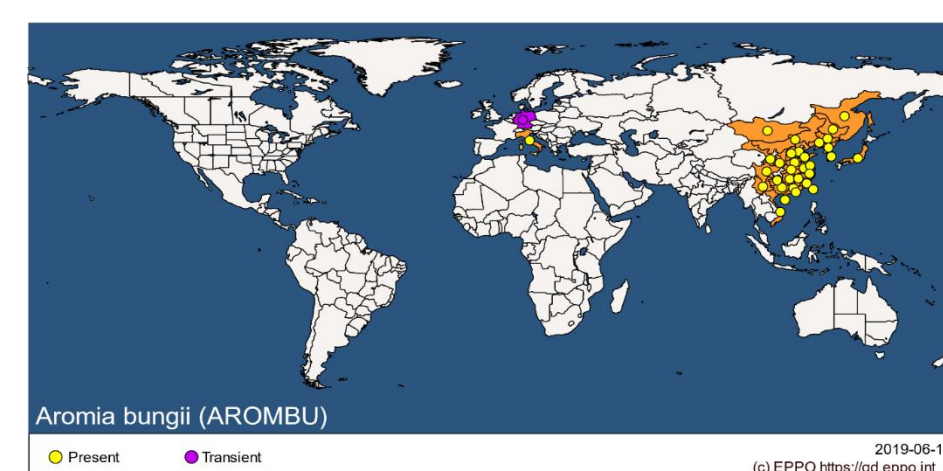
Confidence around the estimation of the real prevalence or of the freedom statement. E.g. if all examinations and/or tests are negative, the Member State is 95% confident that, if the pest is present, its prevalence is below 1% in the target population (using RIBESS+ and choosing these values beforehand)

Relevant International Standards on Phytosanitary Measures (ISPMs)

- ISPM 4: Requirements for the establishment of pest free areas
- ISPM 6: Surveillance
- ISPM 8: Determination of pest status in an area
- ISPM 9: Guidelines for pest eradication programmes
- ISPM 27: Diagnostic protocols for regulated pests
- ISPM 31: Methodologies for sampling of consignments

Conclusions and further steps

- The design for detection and delimiting surveys on a statistically sound base, choices for data have to be made by Member States for their specific situation
- General and specific guidelines for survey design will be available by spring 2020
- Specific guidelines will be provided in separate documents and describe step by step the process of the survey design for the three pilot pests
- A manual for guiding the user through the EFSA open-access statistical tools (RIBESS+, Sampelator) will be provided

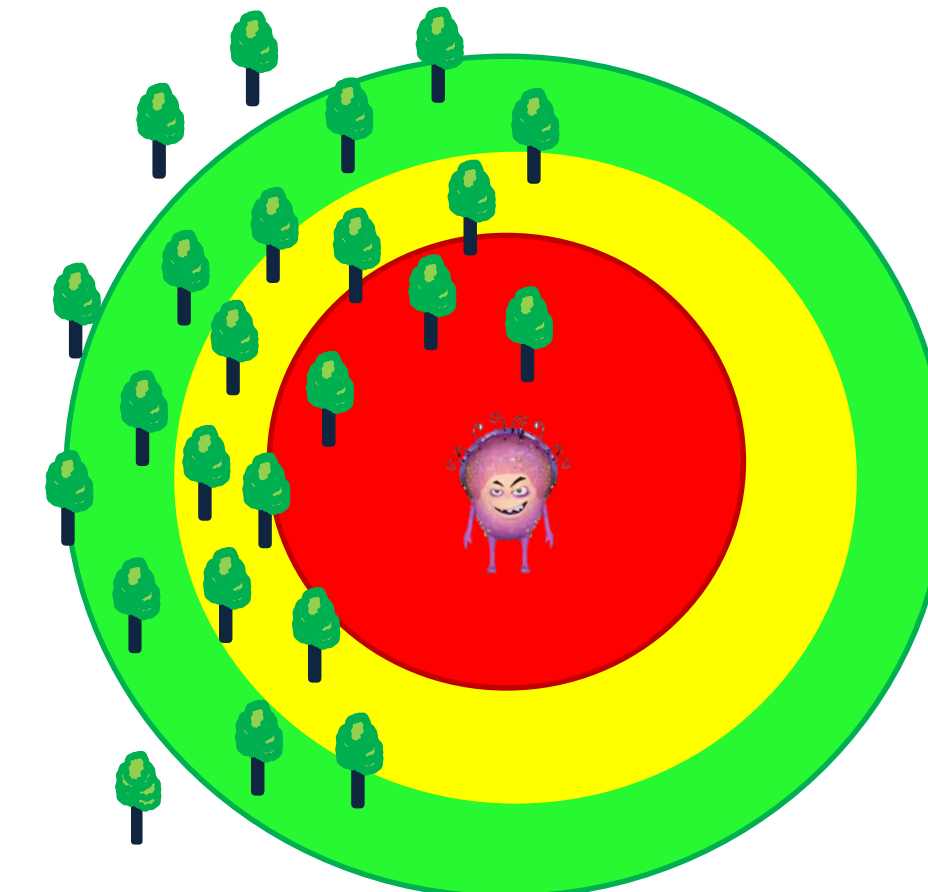


Content of survey cards:

- 1. The pest and its biology**
 - Taxonomy, regulatory status, distribution
 - Life cycle, host plants, environmental suitability
 - Spread capacity
 - Risk factors
 - 2. Detection and identification methods**
 - Visual examination (Pest, Symptoms, Traps)
 - Laboratory testing (Identification of methods, Diagnostic protocols)
 - 3. Key elements for survey design**
 - Target population
 - Epidemiological unit
 - Inspection units
- ISPM 9:** Surveys should be designed and executed to provide the level of statistical confidence necessary for the results to be meaningful for regulatory purposes

Risk factor: a biotic or abiotic factor that increases the probability of infection by the pest in the area of interest:

- should have more than one level of risk for the target population
- characterised by the relative risk and the proportion of the overall plant population on which it applies
- the relative risk of each level needs to be estimated as the relative probability of infection compared to a baseline with a level 1



- Examples provided in the pest survey cards for:
 - risk activities
 - risk locations
 - risk areas



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