



Food and Agriculture  
Organization of the  
United Nations



International  
Plant Protection  
Convention

# Considerations for NPPO officials when preparing or responding to FAW threats

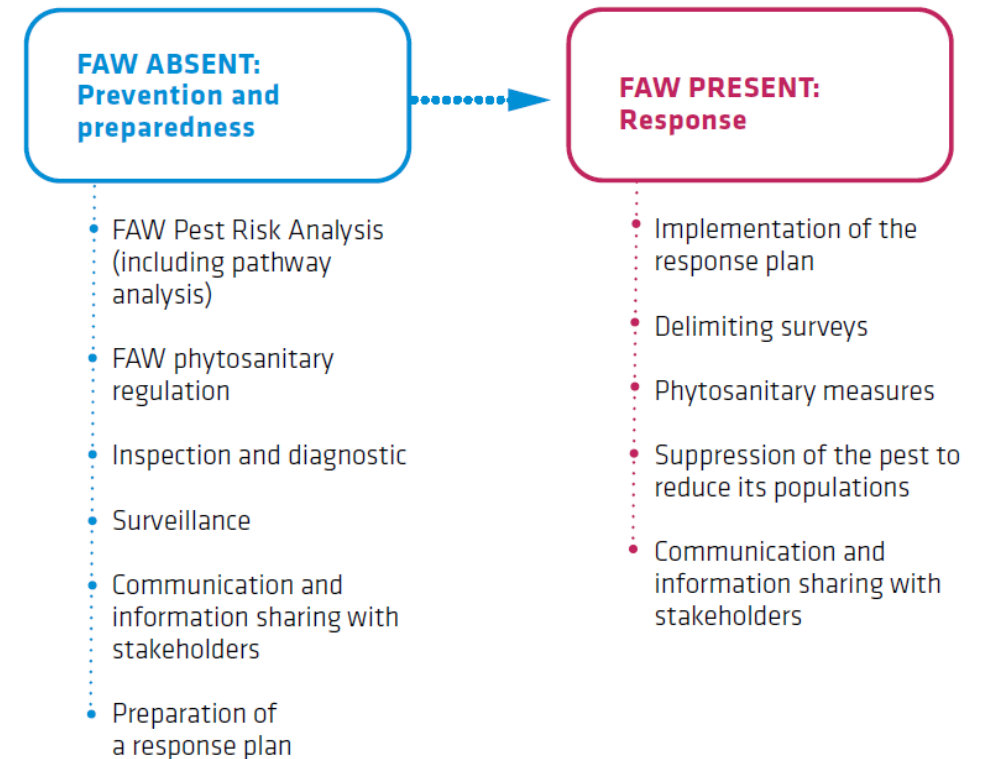
Mariangela Ciampitti, Lombardy Region - NPPO Italy



## Considerations for NPPO officials when preparing or responding to FAW threats

### NPPO TASKS

- Conducting a Pest Risk Assessment/Analysis
- Adapting legislation
- Scheduling and implementing an inspection plan to prevent the introduction of FAW
- Ensuring the availability of labs and expertise for FAW identification
- Carrying out general and specific surveillance on FAW
- Producing information and communication material
- Preparing response plan



## Considerations for NPPO officials when preparing or responding to FAW threats

### PEST RISK ANALYSIS

Assessing the ability of FAW to establish in NPPO territory or to cause damage through transient populations

- environmental conditions suitable for FAW survival, multiplication and spread, either in natural or in protected conditions

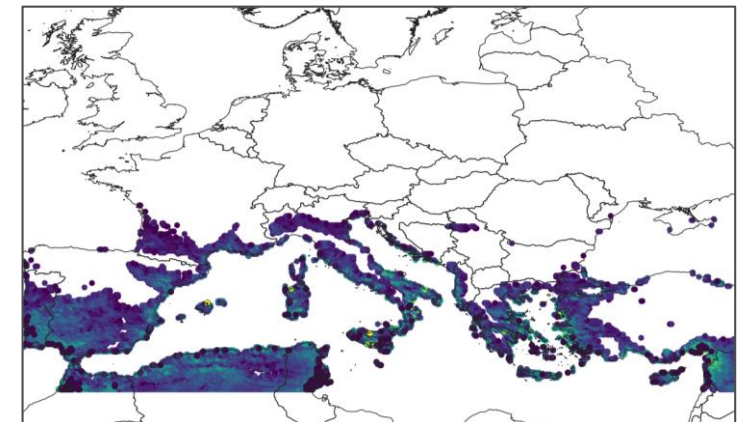
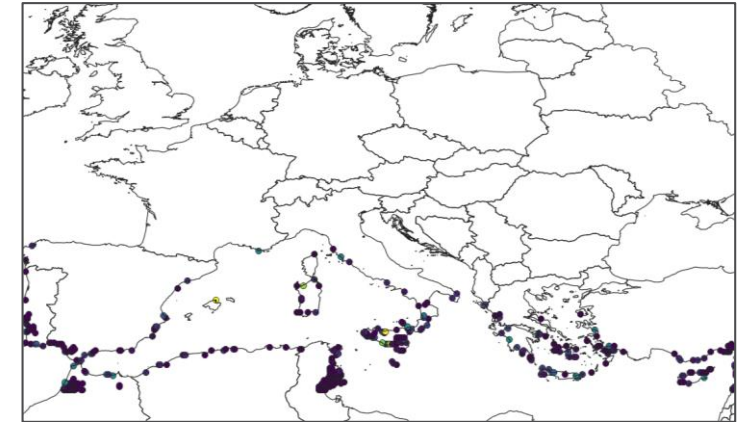
Assessing the economic (including environmental and social) damage or loss in the NPPO territory

- need for precise information on host plant species, but also on the severity of potential damage

Pest categorization



More sensitive crops in Lombardy  
according to current literature



Risk scenario comparison

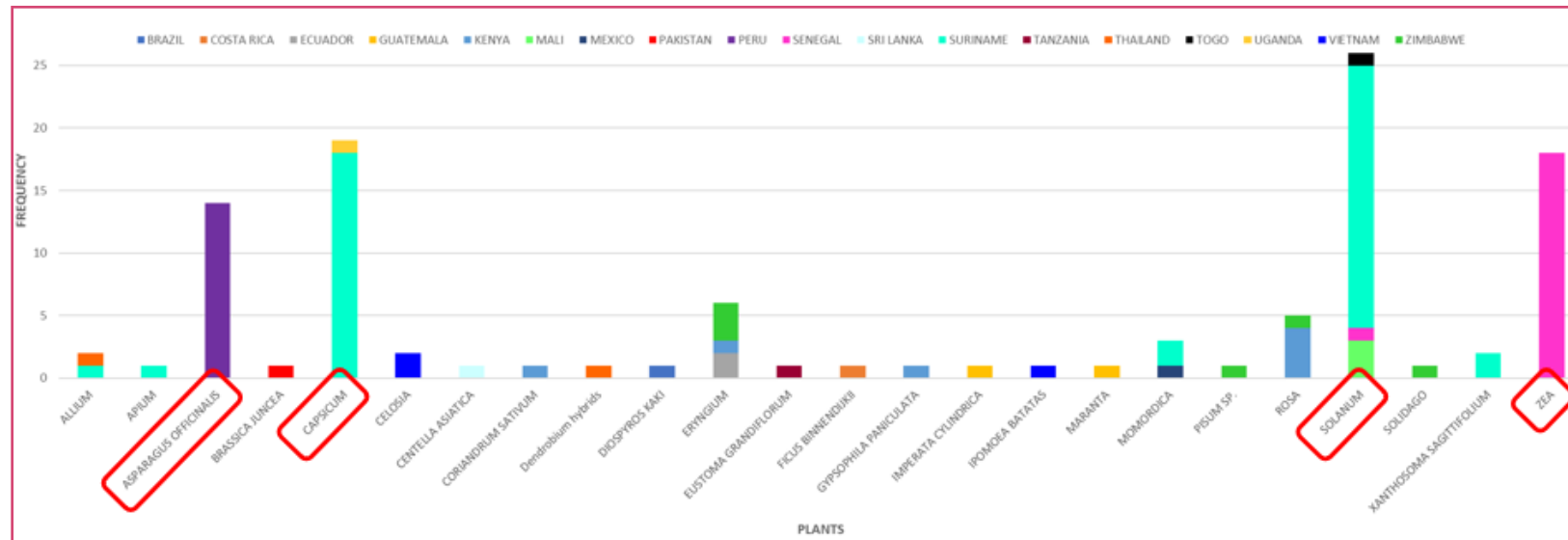
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### PEST RISK ANALYSIS

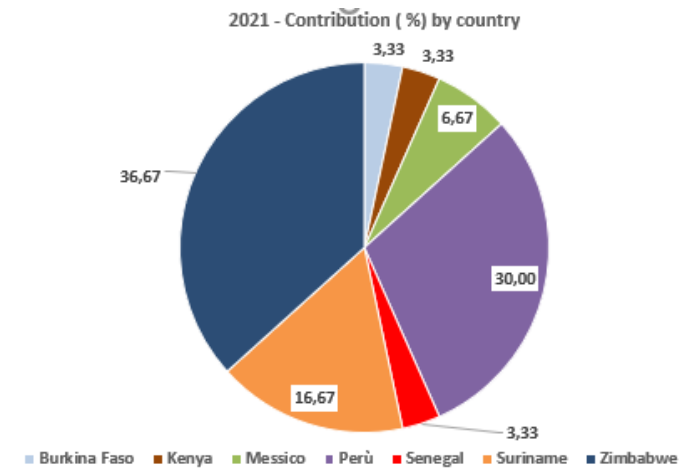
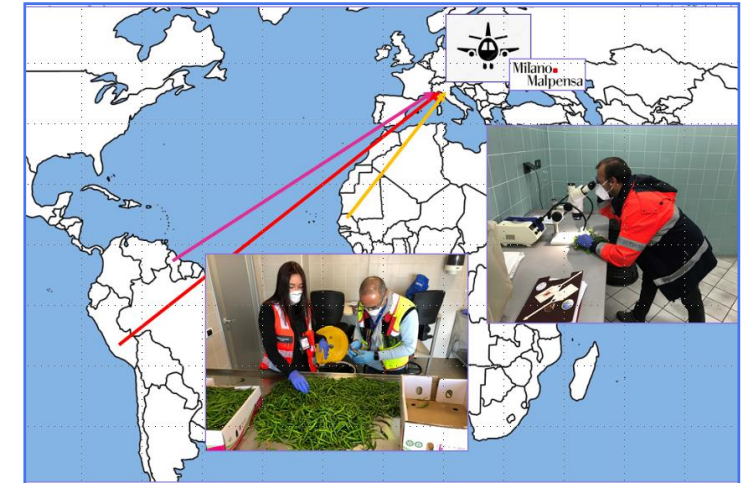
Identification of pathways



Inspections and Alerts



EUROPHYT data (2018- till October 2020) processed by the Lombardy Plant Protection Service



TRACES 2021 (till September)  
processed by the Lombardy Plant Protection Service



## Considerations for NPPO officials when preparing or responding to FAW threats

### LEGISLATION

*Spodoptera frugiperda* to be listed as a quarantine pest

Import requirements

Legal basis for implementing the response plan

Ensure availability and authorisation of survey and control tools and resources:

- Specific lures
- Plant Protection Products
- Biological Control Agents .....



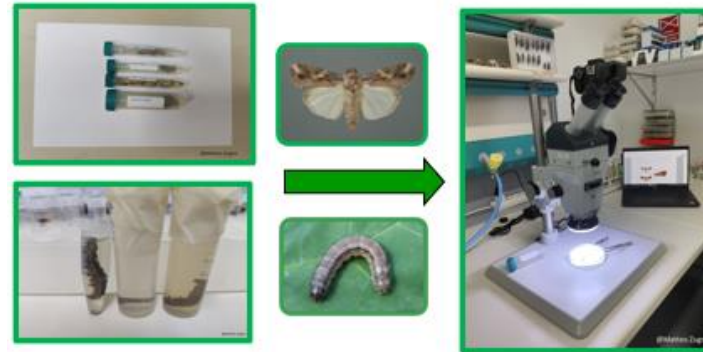
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### Identification

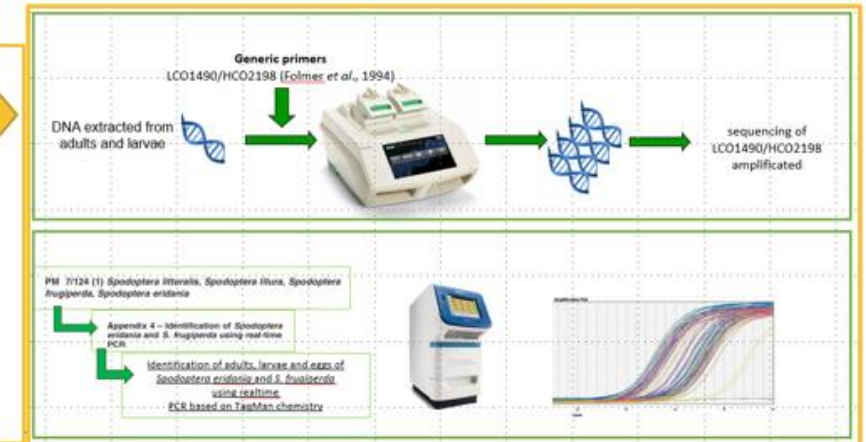


- Training of inspectors
- Training of field technicians
- Training of laboratory technicians
- Appointment of FAW official laboratory
- Network of local laboratories
- Link to international laboratories and experts

#### Morphological identification



#### Molecular analysis



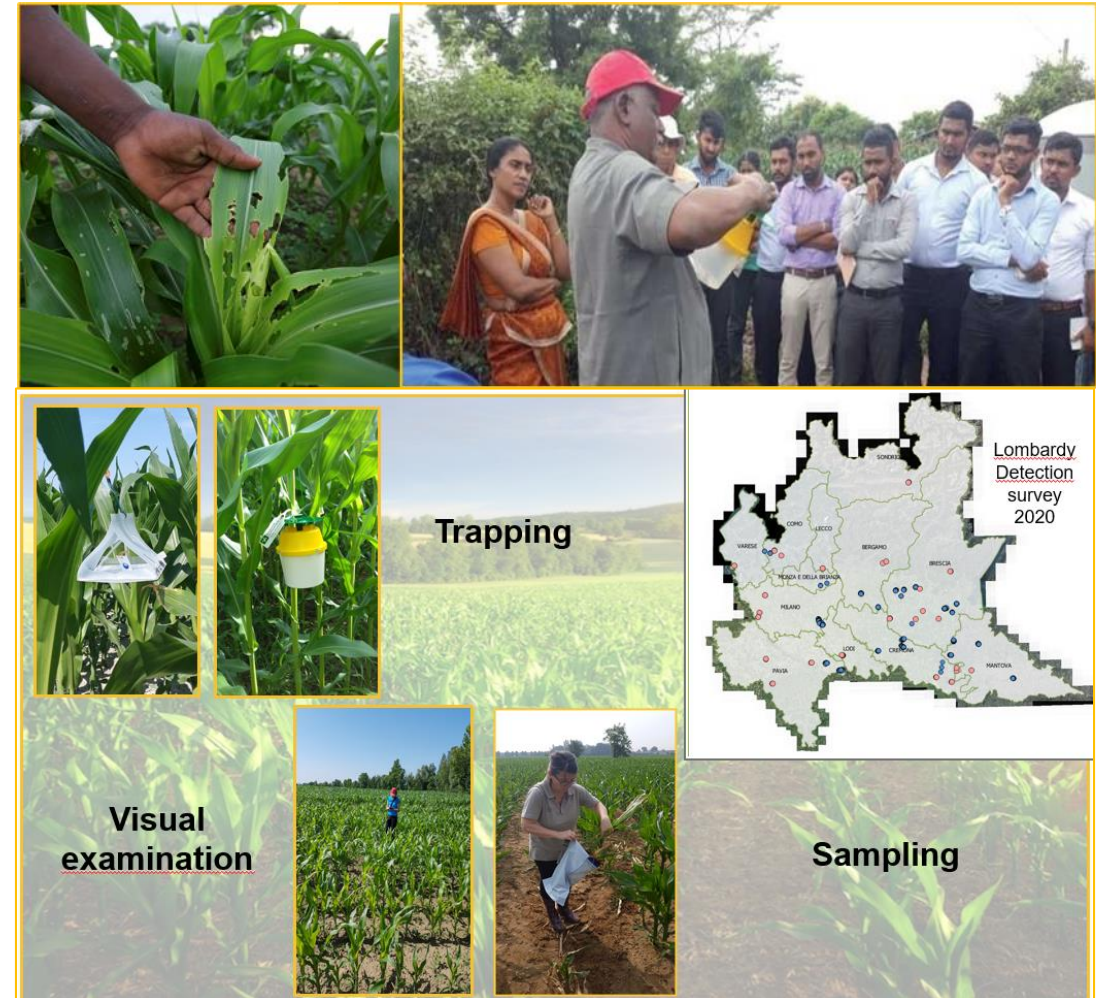
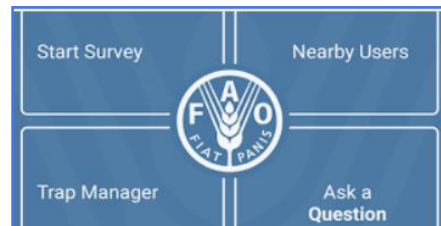
Laboratory of Lombardy Plant Protection Service



## Considerations for NPPO officials when preparing or responding to FAW threats

### GENERAL & SPECIFIC SURVEILLANCE

- Creating information and communication material
- Scheduling of surveys
- Training of technicians/engineers
- Equipment acquisition: traps, attractants, stakes, bags, test tubes
- Setting datasheets and database
- GPS mapping
- Developing software or promoting the use of existing software (as FAO-FAMEWS)





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# Thank you

**IPPC Secretariat**

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