

Stop those pests!

Fruit flies: *Bactrocera dorsalis*, *Bactrocera zonata*
and *Ceratitis capitata*



Bactrocera dorsalis

Rui Cardoso Pereira

Insect Pest Control Section

Joint FAO/IAEA Division of
Nuclear Techniques in
Food and Agriculture

CFS-43 Side event



Food and Agriculture Organization of the United Nations

International Atomic Energy Agency

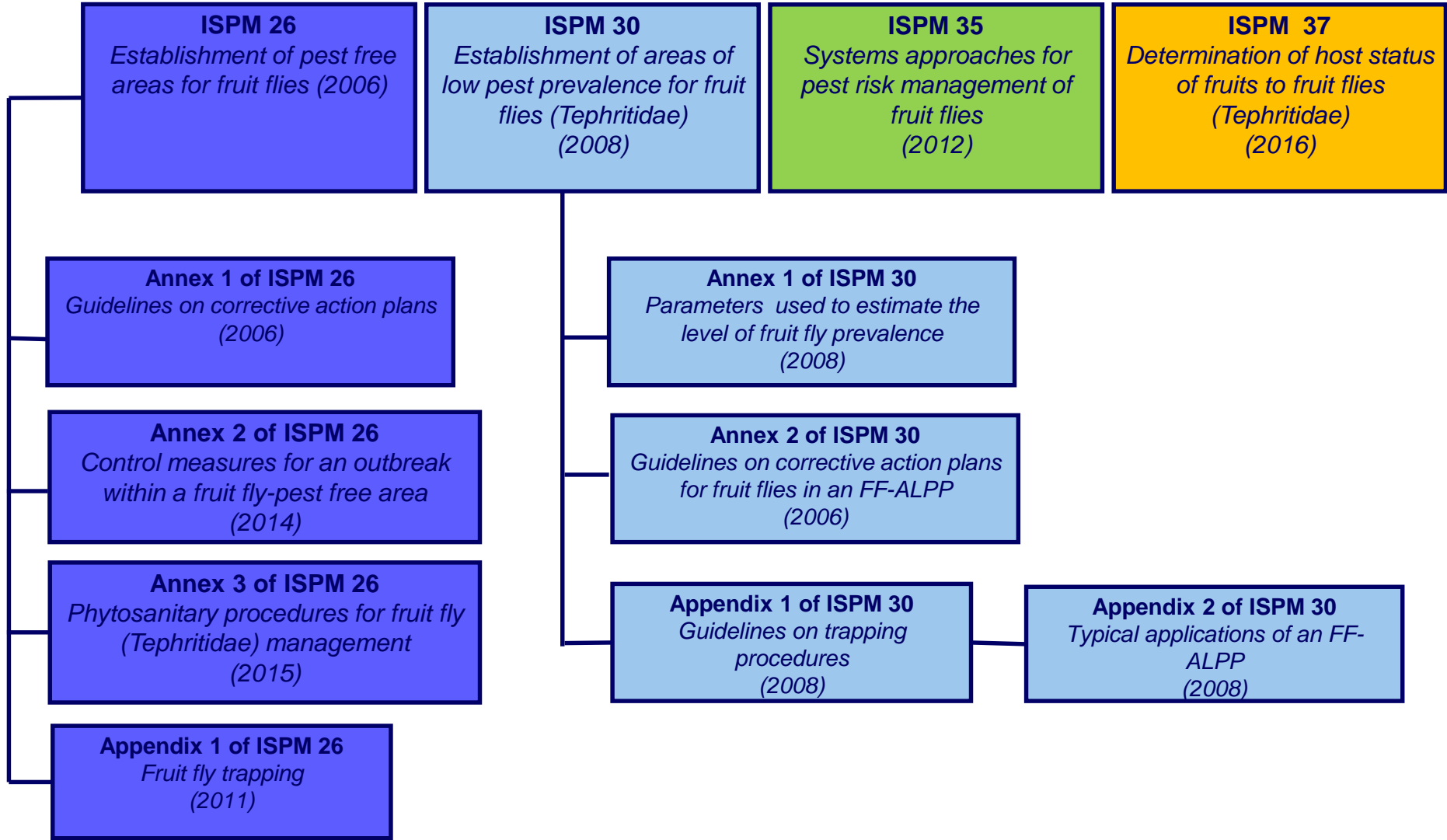


Fruit Fly Problem

- Reduce the quality of the fruits
- Increase the production costs
- Cause problems to international trade

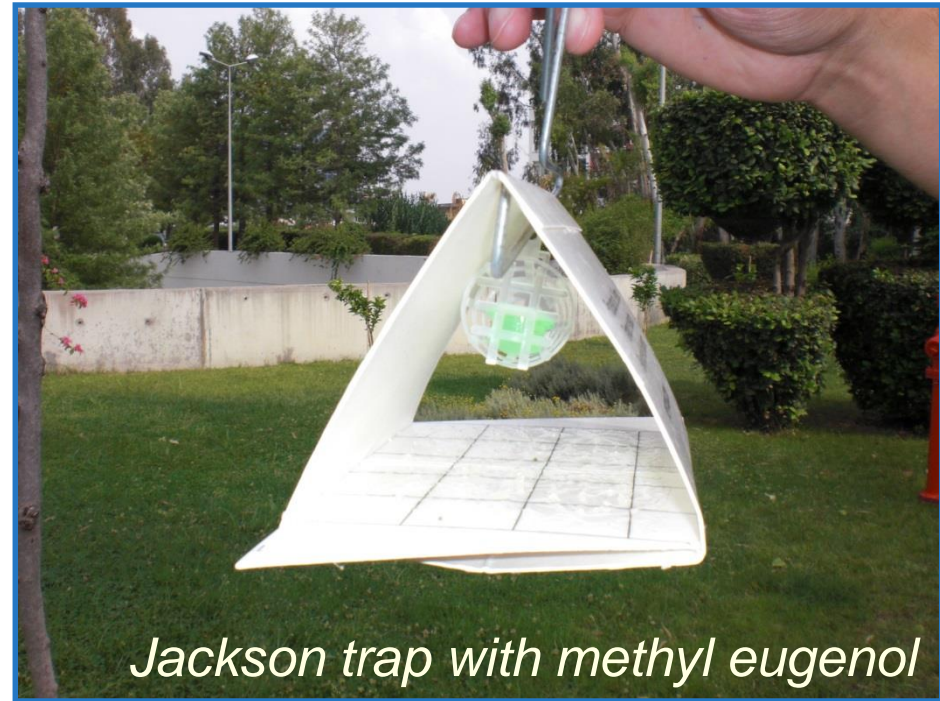


Fruit fly ISPMs



Supporting Fruit Fly Pest Prevention and Management in the Balkans and the Eastern Mediterranean (2012-2017)

- Detection traps for *Bactrocera dorsalis* and *Bactrocera zonata* installed and routinely inspected in 12 countries (ISPMs 26, appendix 1)
- Suppression of *Ceratitis capitata* in Neretva valley Croatia (ISPM 26 and 30)



Supporting Fruit Fly Pest Prevention and Management in the Balkans and the Eastern Mediterranean (2012-2017)

Capacity building through regional training courses

- Quarantine and PRA (Austria, 2012)
- Fruit Fly Detection (Turkey, 2013)
- Fruit Fly Suppression (Croatia, 2013)
- Taxonomy and Identification (Belgium, 2014)
- GIS and Data Management (Austria, 2015)
- Quarantine and PRA (Romania, 2015)
- Fruit Fly Suppression (Croatia, 2016)



Area-wide suppression of Mediterranean fruit fly in the Neretva Valley, Croatia



Medfly suppression in Neretva Valley, Croatia

- **Exports:** Reduction of 93% on the infestation of exported fruits
- **Infestation:** Reduction of:
 - 92-100% in figs
 - 57-79% in peaches
 - 96-97% in mandarins
- **Use of insecticides:** Reduction of 20 000 litres / year (4000 ha of the project).
- **Financed by:**
 - Croatian Government
 - Local Government
 - Growers association
 - Fresh fruit exporters
 - FAO/IAEA regional projects
 - PUI funds under regional project

