



**IPM**

# Integrated Pest Management



## Area-Wide Integrated Pest Management of Fruit Flies in South & SE Asian Countries

### Collaborators



### Expected Output:

- GIS mapping in Mekong region
- Develop IPM strategies
- Capacity Building
- Develop Fruit fly IPM-FFS
- Implement farmer's field schools

### Implementing partners:



Supported by



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### Background

The horticultural sector plays an important role in diversification of agricultural production systems and contributes substantially towards increased food security, better nutrition and poverty alleviation. The Asian region is among the **top three regions worldwide** in terms of global import and export of fresh fruits and vegetables which amounts to **66% of the total global production**, and roughly earns in excess of **USD 2.5 billion per year**.

### Problem

Tephritid fruit flies (*Bactrocera dorsalis* & *Bactrocera cucurbitae*) cause direct damage to fruits and vegetables leading to 90-100% yield losses. In addition, to the direct losses, its infestations result in serious losses in trade value resulting from strict quarantine regulations imposed by most importing countries.

### Stakeholders and Target beneficiaries

The primary target beneficiaries of the project are smallholder fruit and vegetable farmers whereas the secondary beneficiaries will be government extension worker from Mekong river basin countries who will gain new knowledge and become more effective IPM trainers, particularly with regards to farmer training on fruit fly management. Stakeholder organizations involved in the project will be local universities, research institutes and civil society organizations involved in the action research and training activities to be supported as part of the project.

### Outcome

Effective, profitable and environmental-friendly management of fruit flies by smallholder fruit and vegetable farmers in four Mekong basin countries.

### Planned Activities

GIS mapping ; participatory action research, IPM strategy development, Curricula development, Training of trainers, development of Fruit fly IPM-FFS, workshop, regional networking and consultation.

### Implementation Period

May 2010-April 2012

### Total financial size

300,000 US\$ (250,000 US\$ donor's contribution)