



# GEF/UNEP/FAO Project

## Conservation and Management of Pollinators for Sustainable Agriculture, through an Ecosystem Approach

Side-event CBD COP XI 15 October, 2012



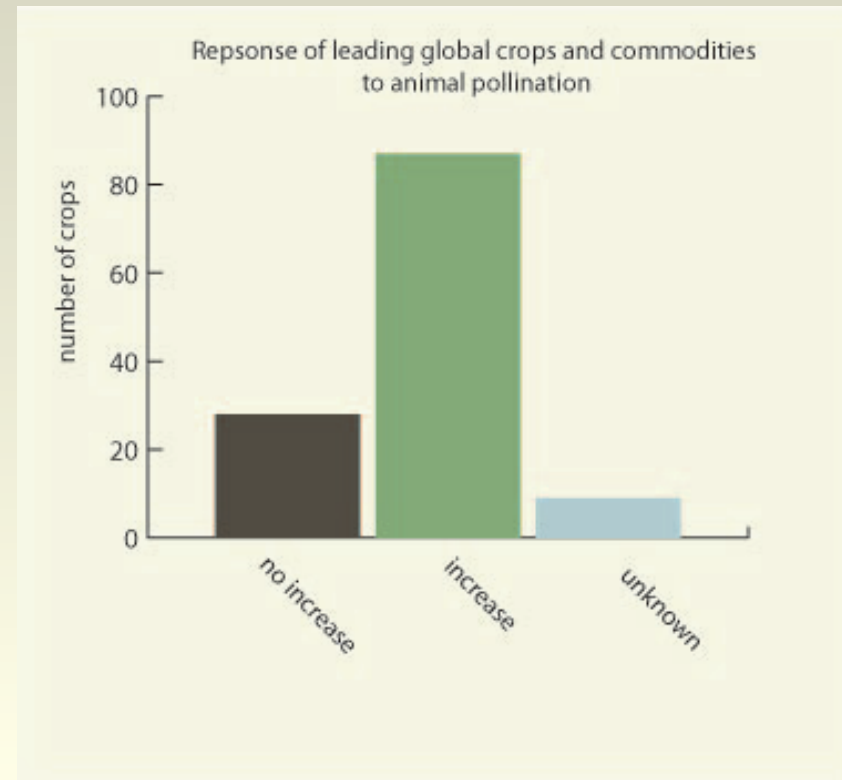


## Main points

- ☀ **International context**
  - ☀ Programme of Work on Agricultural Biodiversity
  - ☀ International Pollinators Initiative
  
- ☀ **GEF Global-sized Project**
  - ☀ The issue
  - ☀ Outcomes
  - ☀ Partners



**Pollination is an essential ecosystem service, vital to the maintenance of both of wild plant communities and agricultural productivity.**





## The International Context

- ☀ **FAO – as lead agency for supporting the development of the CBD Programme of Work on Agricultural Biodiversity**
- ☀ **IPI is under the CBD Programme of Work on Agricultural Biodiversity FAO to facilitate and coordinate the implementation**



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## **International Context: International Pollinators Initiative**

### **Elements of the Plan of Action**

**Element 1: Assessment**

**Element 2: Adaptive Management**

**Element 3: Capacity Building**

**Element 4: Mainstreaming**



# UNEP/GEF/FAO Global-sized Pollinators Project

- ☀ 5-year project
- ☀ Global Environment Facility
- ☀ 7 countries
  - ☀ Brazil
  - ☀ Ghana
  - ☀ India
  - ☀ Kenya
  - ☀ Nepal
  - ☀ Pakistan
  - ☀ South Africa



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## **Major components of the project:**

- **Extension of the knowledge base**
- **Promotion of pollinator-friendly practices**
- **Building capacities to manage wild pollination services**
- **Mainstreaming (raising awareness, promoting pro-pollinator policy)**



## OUTCOMES OF THE PROJECT:

1. **Integrated and accessible knowledge base for management of wild pollination services**, for farmers, land managers and policy makers, including, *inter alia*:
  - **protocols for assessing pollination deficits**
  - **methods to monitor status and trends of pollinators**
  - **user-friendly taxonomic tools to identify pollinators**
  - **protocols to assess values of pollinator-friendly practices**
  - **pollination information management systems (global, national)**





## OUTCOMES OF THE PROJECT:

2. Enhanced conservation and sustainable use of pollinators for sustainable agriculture, including, *inter alia*:

- **pollination management plans for pollinator-dependent crops**
- **profiles of best practice**



## OUTCOMES OF THE PROJECT:

3. Increased capacity for conservation and sustainable use of pollinators by farmers and land managers, including, *inter alia*:

- **farmer and trainer training**
- **incorporation of pollination into curriculum**



## OUTCOMES OF THE PROJECT:

Outcome 4. Mainstreaming of pollinator conservation and sustainable use, including, *inter alia*:

- **increased awareness of pollinators and pollination**
- **identification of pro-pollinator policy**
- **dissemination of lessons learned**

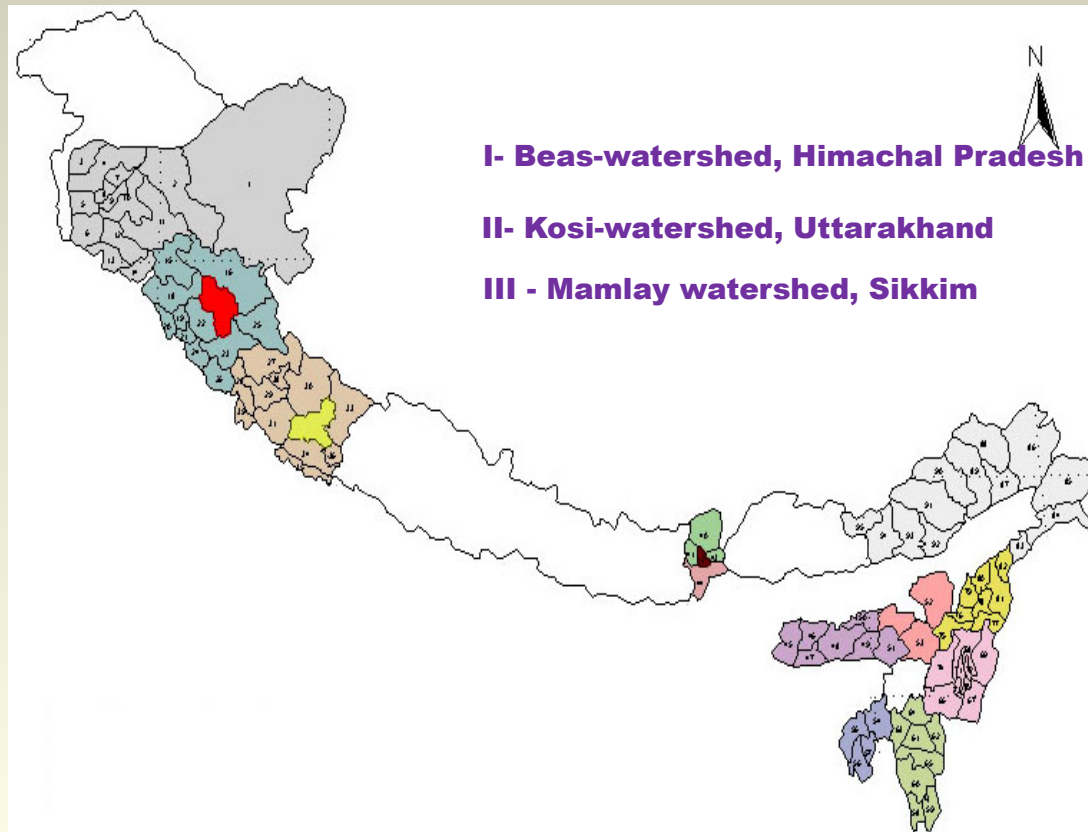


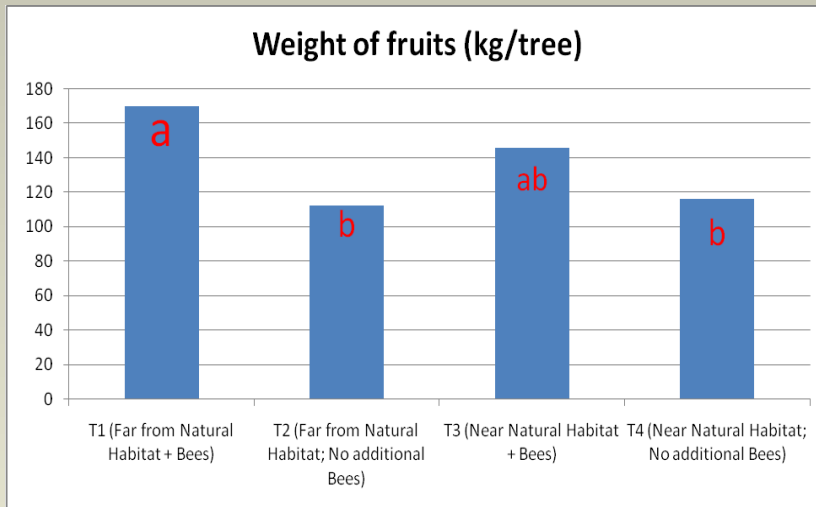
## **Project progress**

- **The project is progressing in a timely manner**
- **Commitment of partners has been a key**
- **Project protocols are being used globally, and a much improved assessment of pollination deficits globally will be forthcoming**
- **Pollination management plans are providing innovative community-based solutions to managing biodiversity on a landscape scale.**

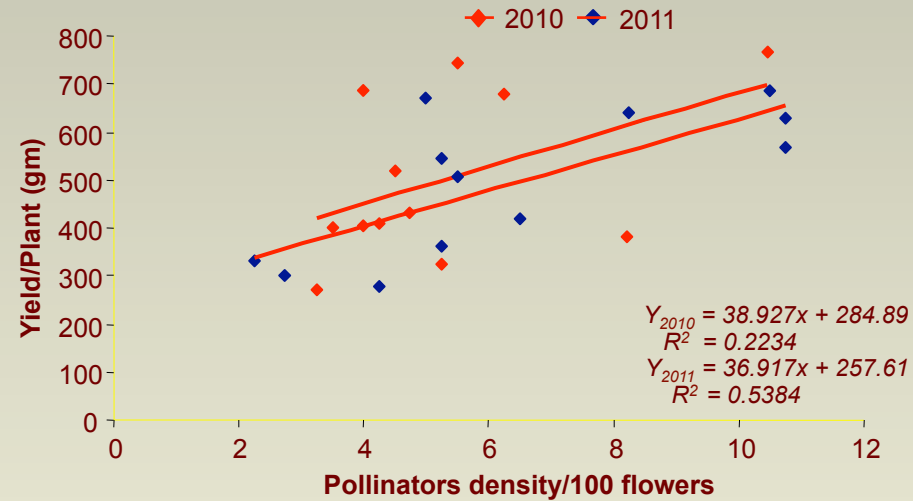


## India - *Target Area and Crops...*





**Apple - plots supplied with bee hives (*Apis mellifera*) exhibit significant increase in production in sites located far from Natural habitats.**



**Large cardamom- Impact of pollinators density on production of large cardamom**



- **NATIONAL PARTNER ORGANIZATIONS**

- ☀ **BRAZIL: MMA, MINISTRY OF THE ENVIRONMENT**
- ☀ **GHANA: UNIVERSITY OF CAPE COAST**
- ☀ **INDIA: GB PANT INSTITUTE OF HIMALAYAN ENVIRONMENT AND DEVELOPMENT**
- ☀ **KENYA: NATIONAL MUSEUMS OF KENYA**
- ☀ **NEPAL: MINISTRY OF AGRICULTURE AND COOPERATIVES**
- ☀ **PAKISTAN: PAKISTAN AGRICULTURAL RESEARCH COUNCIL**
- ☀ **SOUTH AFRICA: SOUTH AFRICA NATIONAL BIODIVERSITY INSTITUTE**



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# Thank you

<http://www.internationalpollinatorsinitiative.org/>

[http://www.fao.org/agriculture/crops/core-themes/  
theme/biodiversity/pollination/en/](http://www.fao.org/agriculture/crops/core-themes/theme/biodiversity/pollination/en/)