

# R.E.A.C.H

THE RESILIENT ENVIRONMENTAL & AGRICULTURAL  
CARIBBEAN HABITATS PROJECT



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Food and Agriculture  
Organization of the  
United Nations

**2017** The impact of disasters and crises  
on agriculture and food security



# Setting the context

The international Disaster Database (EM-DAT)

<https://www.emdat.be/database>

United Nation Office for Disaster Risk  
Reduction (UNISDR)

<https://www.unisdr.org/>

Food and Agriculture Organization of the  
United Nations

<http://www.fao.org/emergencies/resources/documents/resources-detail/en/c/1106859/>

<http://www.fao.org/3/a-i5128e.pdf>

Post Disaster Needs Assessment (PDNA)

<http://www.undp.org/content/undp/en/home/climate-and-disaster-resilience/disaster-recovery/post-disaster-needs-assessments.html>

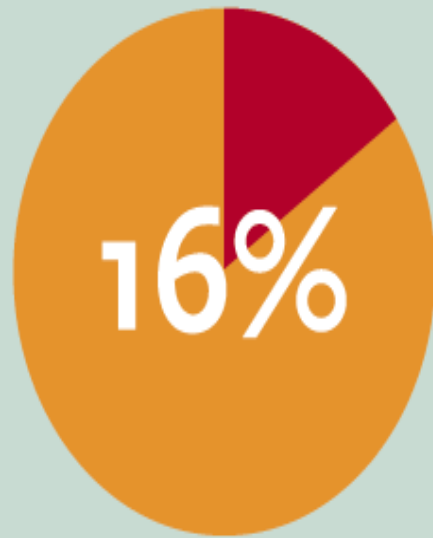


Food and Agriculture  
Organization of the  
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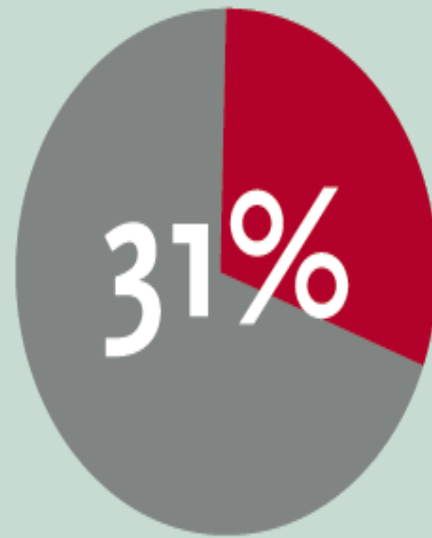
The impact of disasters  
on agriculture and food security



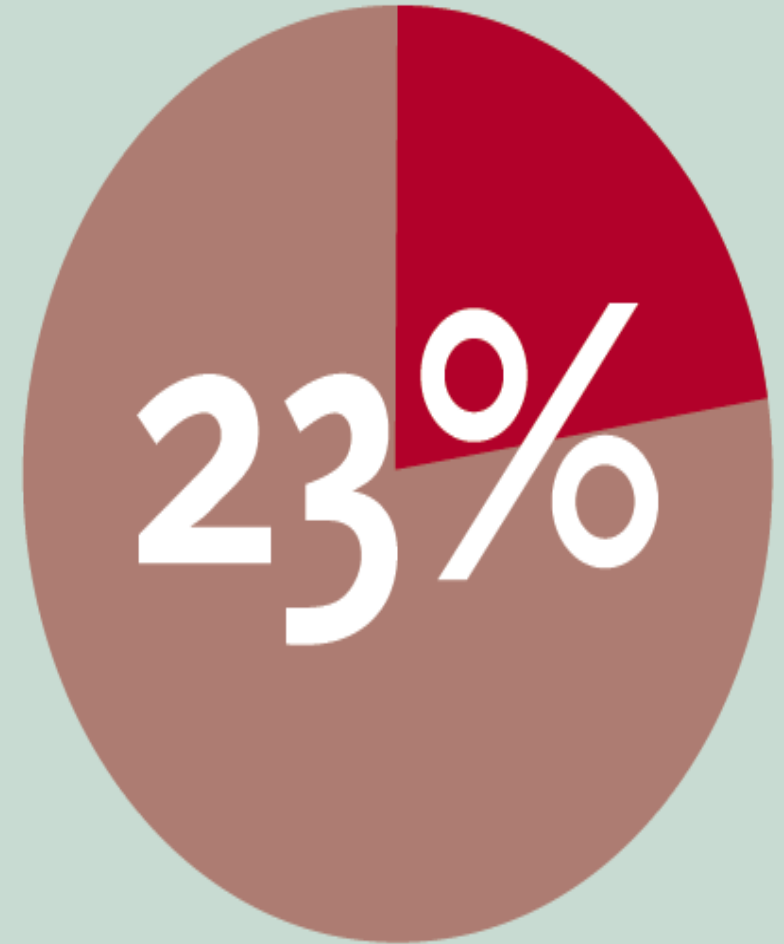
Figure 1. Damage and loss in agriculture as share of total damage and loss in all sectors (2006-2016)



Disaster **damage** in agriculture,  
share of total



Disaster **loss** in agriculture,  
share of total



Disaster **damage and loss** in  
agriculture, share of total

Figure 2. Damage and loss in agriculture as share of total damage and loss in all sectors (2006-2016), by type of hazard

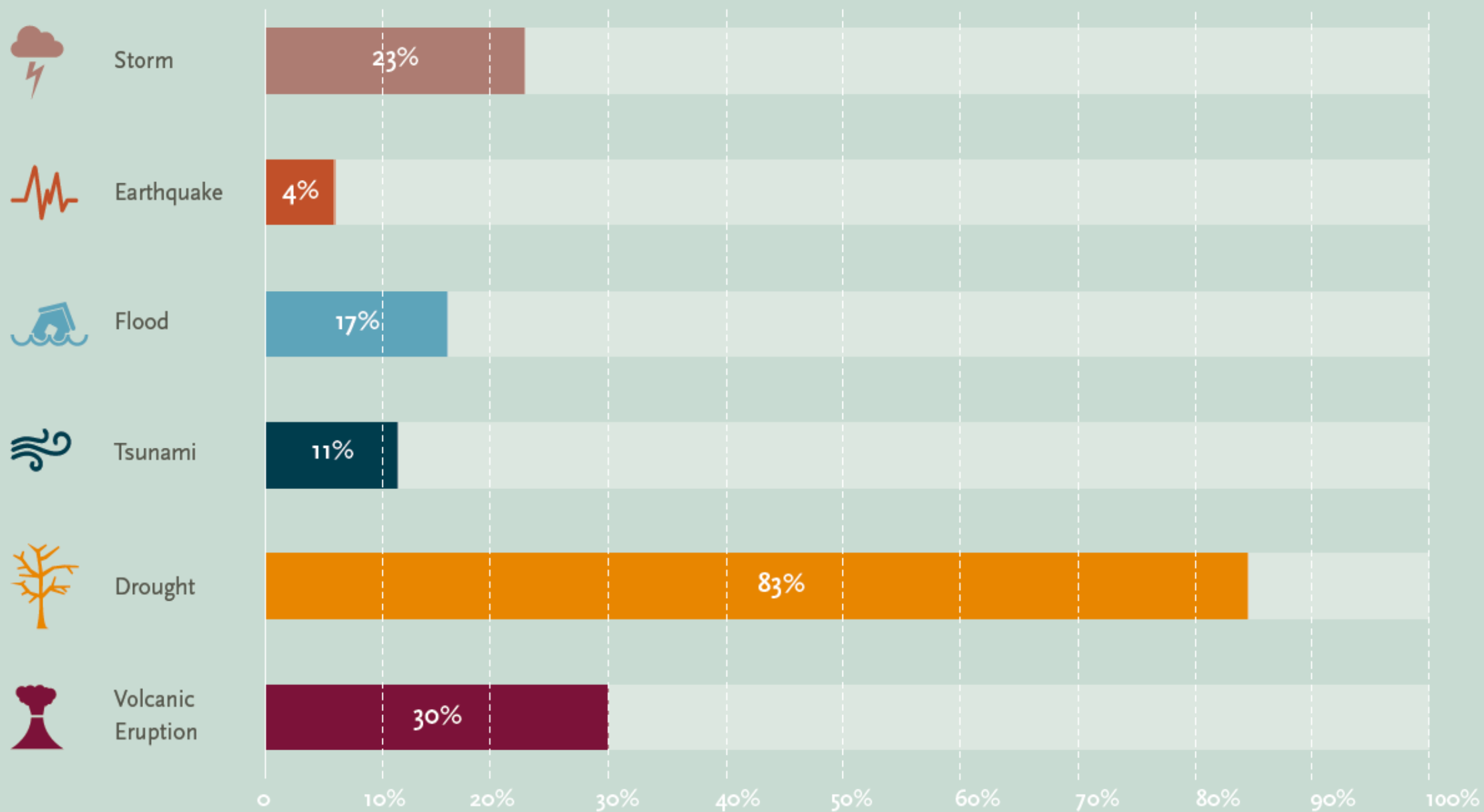
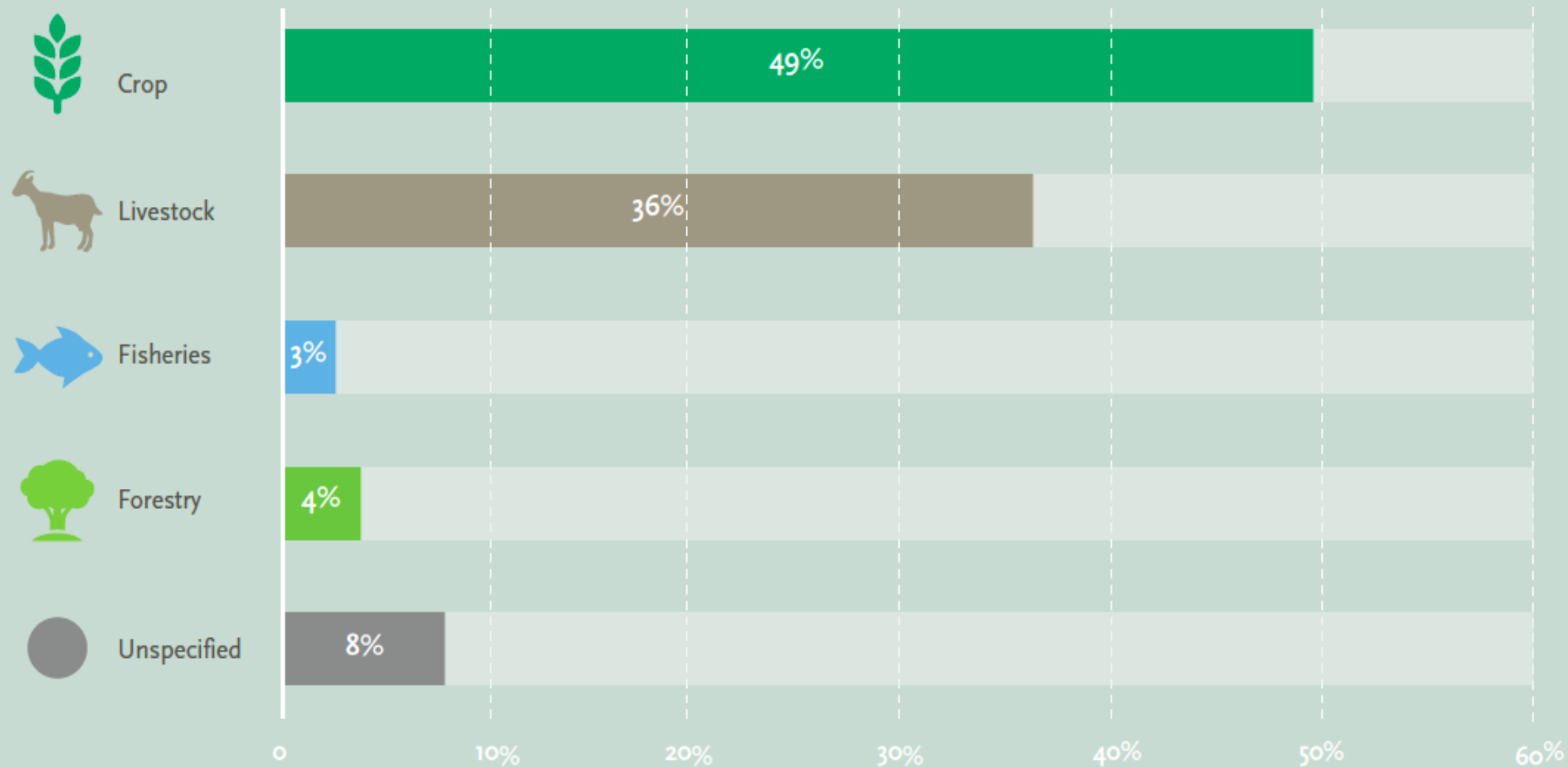


Figure 3. Damage and loss in agriculture by agricultural sub-sector, percentage share of total (2006–2016)



# General Programme Info

**Project Starting Date:** March 2019

**End of Project Date:** December 2020

**Total Budget:** 740,000 USD

**Main Donor:** Italian Agency of Cooperation and Development

**Main Implementer:** Food and Agriculture Organization of the United Nations (FAO)

**Main Implementing Partners:** CIMH, CDEMA and CIMA

**Country Beneficiaries:** St. Lucia and St. Vincent and the Grenadines

**Main Counterparts:** Ministry of Agriculture, MET services, ODPM offices etc.

**Project beneficiaries:** Farmers (women and man) and Youth; national and regional institutions responsible for agricultural extension and disaster preparedness

# Programme Objectives

To increase resilience to the impacts of climate change and climate-related hazards and improve livelihoods of rural communities, through better agriculture planning for farming families and youth.



# Expected Programme Outcomes

1. Use of multipurpose agrometeorological networks and existing hubs on agricultural and NRM best practices optimized, and innovative Agriculture Disaster Risk Management (ADRM) community-driven techniques and methods for agrometeorological and NRM
2. Enhanced access of smallholder farmers and local communities to knowledge of agriculture (including Integrated Pest Management [IPM]) and NRM best practices, in a context of hazard risk reduction (with an appropriate feedback system)
3. Lessons learned and orientations arising from the experience developed in pilot countries and knowledge-sharing among regional institutions and producer organizations enabling communication, uptake and upscaling of viable agricultural DRM/NRM practices





## Data infrastructure

(DEWETRA powered by CIMH)

Data flow

### Institutional users:

- Civil Protections
- Ministries (health, agriculture, environment...)
- Professional categories (Farmers...)

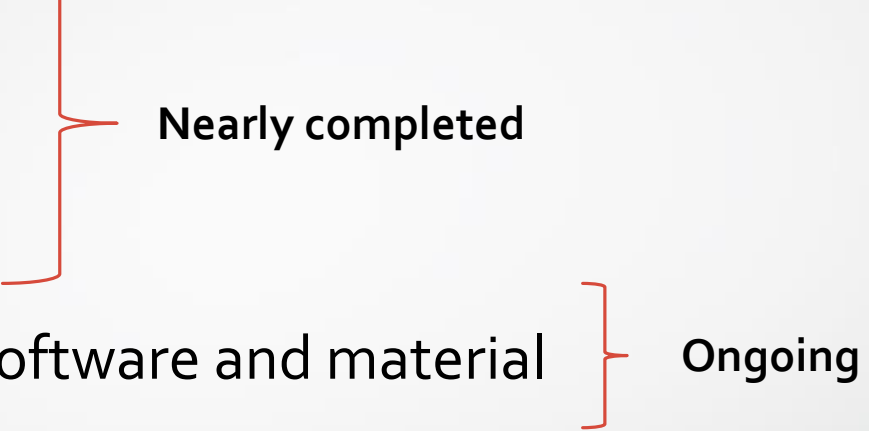
### Multiple uses of data by end users:

- Irrigation
- Monitoring insurgence of pests and parasites
- Increased profits
- Research and education

Weather Stations



# Main Programme Activities

- Initial project launch workshop
  - Situation Analysis
  - Identification of beneficiaries
  - Procurement and installment of software and material
  - Training (including ToT)
  - Development of web based platform/portal
  - Production of multimedia educational and interactive material
  - National and regional communication strategies
  - Final regional workshop
- 
- The diagram uses red brackets to group activities by status. A bracket on the right side of the first three items (Initial project launch workshop, Situation Analysis, and Identification of beneficiaries) is labeled 'Nearly completed'. A second bracket on the right side of the next two items (Procurement and installment of software and material, and Training (including ToT)) is labeled 'Ongoing'.
- Nearly completed
- Ongoing

Thanks for the attention!

Q & A

