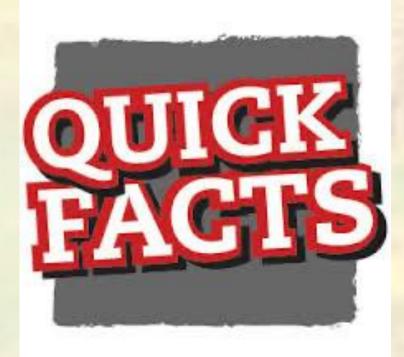
Rapid Assessment of Rice Value Chain in Brgy. San Nicolas, San Simon, Pampanga in the context of Climate Change and Social Inclusion

ACOPIADO. CABARDO. CABRAL. MEDINA. ROSETES. SERIÑO.

Profile: Brgy. San Nicolas, San Simon, Pampanga



- ✓ Situated at approximately 15.0042, 120.8136, in the island of Luzon.
- ✓ Elevation at these coordinates is estimated at 3.2 meters or 10.5 feet above mean sea level.
- ✓ Population of 2,197 (2015 Census), which represented 4.13% of the total population of San Simon
- ✓ Principal industries are farming, fishing and poultry and swine industries
- ✓ Two public markets: one in the old poblacion area and another one located in the industrial zone area

Research Questions

- ☐ What are the adaptive strategies of San Simon
 - farmers in response to climate change?
- ☐ How is social inclusion evident throughout the rice
 - value chain in San Simon Pampanga?

Methodology

- ✓ Desk review for secondary data
- ✓ Key informant interviews
- ✓ Site visit
- ✓ Observation







FIELD WORK







Key Informants

 Mr. Mark Intal - Sales Manager, Quantum Growth (for INAVET) microorganisms for soil health / soil conditioner

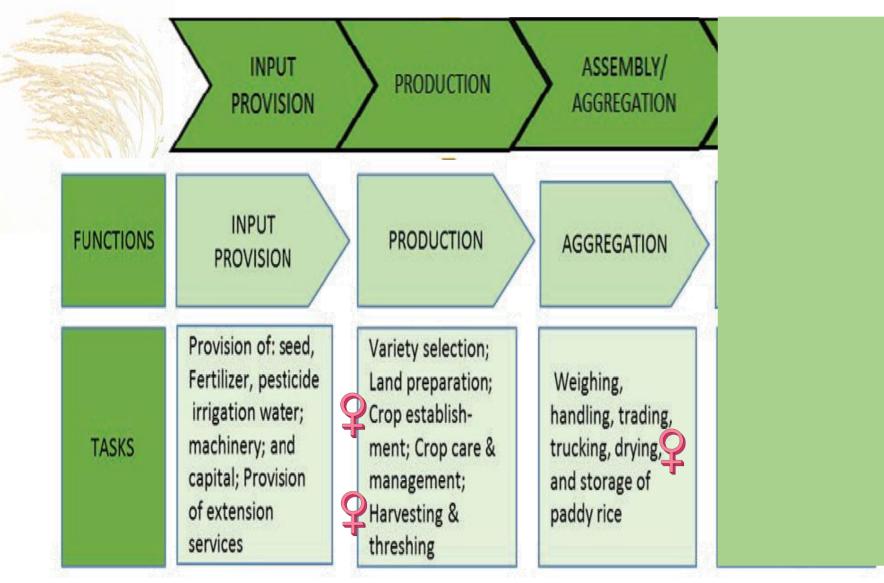
2. Mr. Aurelio Pangan

- Small-scale rice farmer with 1.5 hectare of land for rice production
- Adopter of Quantum Growth
- President of irrigators association (Brgy. San Nicholas Bagong Pag-asa Irrigators Association)
- 3. Mrs. Pangan wife of Mr. Aurelio Pangan

4. Mr. Joel Sagum

- Large-scale rice farmer with 13 hectares of land for rice production
- mechanize rice farming
- o from San Luis, Pampanga



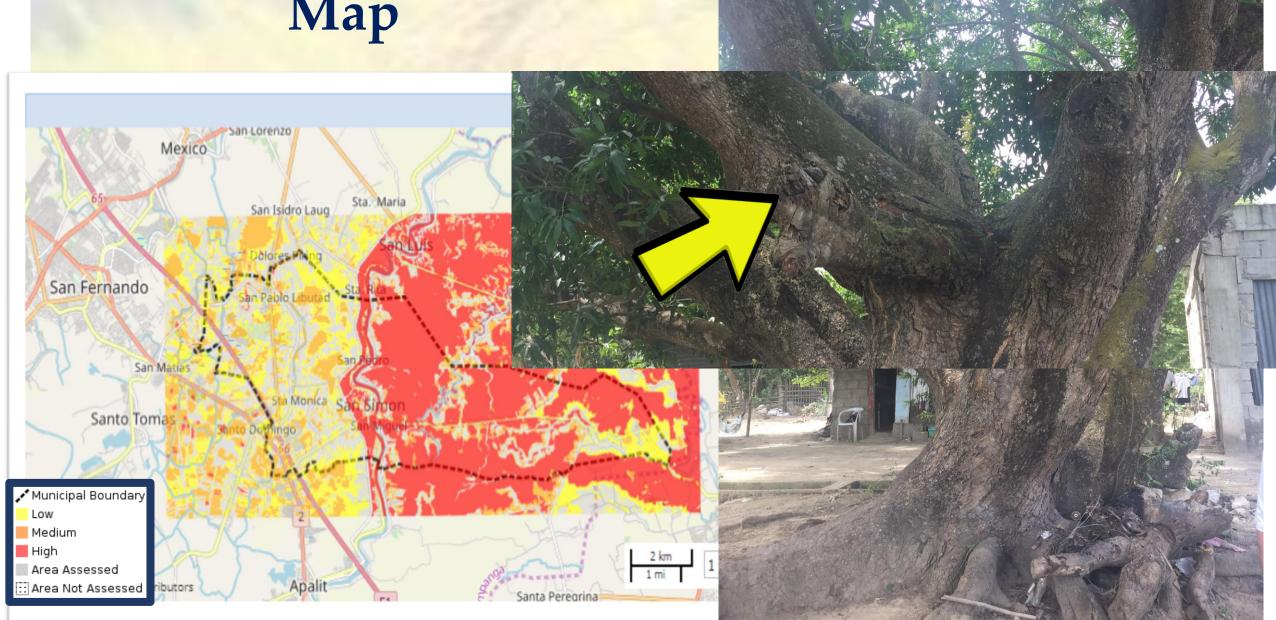


Seeds: SL-Agritech Quantum Growth (soil conditioner) and insecticide; NIA Combine harvester Rice varieties: Rc 222 (inbred), SL-8 (hybrid) Traders (Bocaue, Bulacan) perform the job of collection and consolidation of wet palay for distribution and processing due to lack of facilities

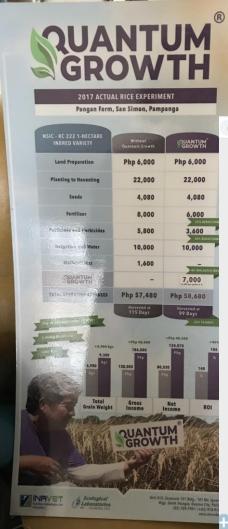
Climate Change Exposure: Flooding

- ✓ Yearly until 2017 (Candaba catch basin area addressed problem of fish cages): residents have adapted already
- ✓ Physical Risk: Complete Crop Loss
 Adaptive Strategies:
 - 1. Crop Insurance
 - Adjusted Crop Calendar such that there is no crop stand in September/ October
 - 3. Use of short duration variety
 - 4. Use of Quantum Growth
 - 5. Ratooning
- ✓ Transitional Risk: unreliable information of water availability from National Water Resources Board

San Simon Flood Hazard Map



SOCIAL INCLUSION





sunstar.com.ph/article/1787365

PAMPANGA

San Simon promotes high-yield farming



INPUT SUPPLIER: INAVET TECHNOLOGIES, INC.

- Employs 10 workers: 5 females, 5 males under Quantum Growth Team
- Considers farmer feedbacks and suggestions prior to operationalizing Quantum Growth technology
- Use now, pay later" program to encourage more farmers

 Collaborates with farmer associations (e.g. Agri Coop PH) and government agencies (e.g. DAR) in educating farmers about the technology



SOCIAL INCLUSION

San Nicolas Bagong Pag-asa Irrigators Association Inc. (160 members), which employs workers for various farming activities:

- o Transplanting: 20 Females, 4 Males
- Pulling of seedlings: 2 Females, 6
 Males
- o Record keeping 1 Female
- The role of the wife (Mrs. Pangan) is essential in managing household activities (e.g. preparing meals during harvesting) as well as in making other farm decisions





AMC Learning is Fun!



Because we all ate today, let's thank our farmers!

