



# Agricultural Training Institute

Extension Activities focused on  
Livestock and Researches in  
collaboration with the Private Sector

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## Sustainable Technology for the Advancement of Beneficiaries of the Livestock Extension Services (STABLES)

*(From the STABLES to the Tables....*

*A Comprehensive Extension and Training Support Project  
for the National Livestock Program-NLP)*

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### Project Goal:

The Project aims to improve the  
productivity and efficiency of smallhold  
livestock farmers empowering them and  
their communities to make sound and  
informed decisions thru an effective  
knowledge management along the value  
chain of the livestock sub-sector

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### Project Objectives:

1. Upgrade and strengthen the skills, knowledge and management expertise of livestock extension workers in the national agencies as well as that of those in the local government units
2. Promote scientific and technical visits, study missions and experience-based advocacy between and among various stakeholders of the livestock and poultry sector
3. Showcase best practices
4. Enhance ATI's institutional capacity to respond to the needs of trainers and the various stakeholders of the livestock and poultry sub-sector

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### Project Output:

1. Highly motivated and competent technical staff capable of designing, managing and providing extension support services
2. Updated and scaled-up appropriate curriculum and training designs /modules on extension delivery modalities blending social skills and production technologies for a “modern AEW”
3. Enhanced inter-institutional linkages along the value chain

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### Project Output:

4. Popularized and adopted situation-specific and climate-sensitive livestock farming technologies
5. Enhanced capacities and capabilities of rural-based organizations and farmers to effectively and sustainably manage their farms and resources

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### Project Implementor:

Agricultural Training Institute  
-15 Regional Training Centers  
-1 International Training Center

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### Strategies of Implementation/Activities

#### A. Capability Building

##### 1. Training of Trainers/Subject Matter Specialists

- 5 international trainings/cross visits
  - Exposure to Global Best Practices in:
    - (Innovation & Enterprise Development Program/National Livestock Research Institute of Taiwan}
    - USA –Berkeley and Langston, Oklahoma
    - The Netherlands
    - Singapore

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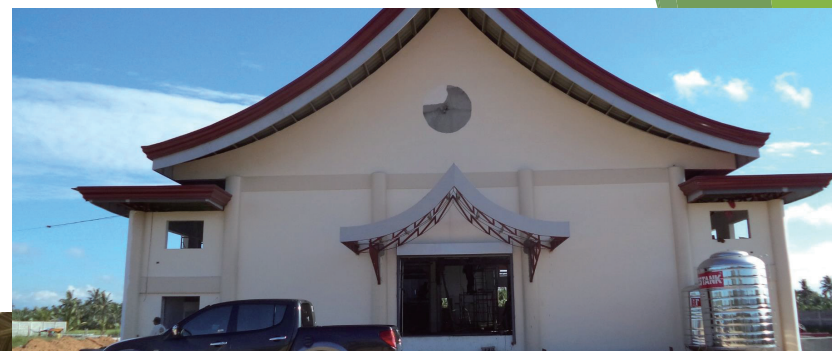
## Strategies of Implementation/Activities

### A. Capability Building

#### 1. Training of Trainers/Subject Matter Specialists

- Trainings on Halal Production
  - Halal Orientation Seminar for DA-RFU XI Key Program Implementers - June 26, 2014 at DA- XI –Conference Room, Bangoy, Davao City
  - Halal Slaughtering and Butchering Training – August 20-23, 2014 at Koronadal City

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THE COTABATO CITY HALAL ABATTOIR



The DA-Halal Goat Production in ARMM

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## @ Mini-Halal Abattoir in Panabo City



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## Strategies of Implementation/Activities

### A. Capability Building

#### 1. Training of Trainers/Subject Matter Specialists

- Local trainings (for AEWs)
  - Key Drivers' Training on Livestock Emergency Guidelines & Standards (LEGS).



ATI-NLP Regional Focal Persons Year-end Assessment and Planning Workshop. ATI-NLP Regional Focal Persons Year-end Assessment and Planning Workshop.



Presentation and Reporting Re-Entry and Monitoring Plan during the LEGS, Nov 2015

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## Strategies of Implementation/Activities

### A. Capability Building

#### 2. Training of Farmers

- Farmers' Field Schools
  - FFS on Dairy Cattle by cluster



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## Strategies of Implementation/Activities

### A. Capability Building

#### 2. Training of Farmers

- School on the Air on Climate Change
- School on the Air on Organic Agriculture



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## Strategies of Implementation/Activities

### B. Strengthening of Livestock-Rural Based Organizations/Cooperatives

- Farmer Livestock School on Goat Enterprise Management
- GREEN – Goat Project for Women (Generating Resources for Rural Empowerment and Enhancement in Nutrition)
- GATAS (Government Assisted Training Arm Support) Project of ATI-ITCPH ( Dairy Cattle)



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## Strategies of Implementation/Activities

### B. Strengthening of Livestock-Rural Based Organizations/Cooperatives

- Community Adoption Projects  
( 2 Cooperatives, 1 Rural Improvement Club- Women and 1 Association of Barangay Animal Health Workers)

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## Strategies of Implementation/Activities

### C. Establishment and Maintenance of Technology Demonstration/Learning Sites

- Rural MultiComponent Smallhold Farm Generation of Resources thru an Ecologically-sound and Environment Friendly Nature Farm (GREEN)
- Modernization of the Meat Processing Laboratory

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## Commercial Scale: Integrated Organic Farm



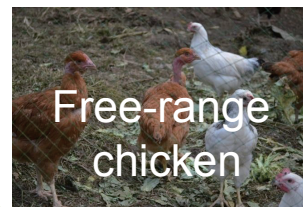
High Value Veggies



Aqua Culture



Vermi Culture



Free-range chicken



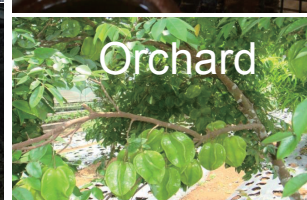
Rabbit Raising



Herb Culture



Organic Pigs



Orchard



Pekin Ducks



## Strategies of Implementation/Activities

### C. Mainstreaming of climate change, livestock-human-environment interaction



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## Strategies of Implementation/Activities

### D. Consultative and planning workshops



Validation and Finalization of CY 2016 Activities during the Regional Focal Persons' Workshop, Nov 23-24, 2015

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## Strategies of Implementation/Activities

### E. Monitoring and Evaluation



*Arlene's husband, Gabriel inside their farm*

"From Simple Re-Entry Plan to a Successful LGU Project" – an article written by Ms. Liberty Inciong after monitoring one of ATI-ITCPH's Alumni.

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## Other significant programs with partner organizations

- ▶ BAI : PNAD (Phil Native Animal Development Program)
- ▶ BAFPS : Halal Food Industry Development
- ▶ NMIS : Good Hygienic Practices for locally registered Meat slaughtering facilities
- ▶ PCARRD : FLS-GEM : training management
- ▶ ATI-Region 4a :FFS Swine : National

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## Researches in collaboration with Private Companies

- ▶ Feeding trials with Feed Companies
- ▶ Farm trials in collaboration with drug companies

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## Researches in collaboration with Private Companies

- ▶ Boar Performance Testing with the Philippine Swine Research and Development Foundation, Inc. (PSIRDFI)

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## Researches in collaboration with Private Companies



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[P210T boar sold at the 24th Boar Auction](#)

## Boar Performance Tests

- Growth rate      Feed efficiency
- Backfat tests      Selection index



[P210T boar sold at the 24th Boar Auction](#)

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## Boar Performance Tests

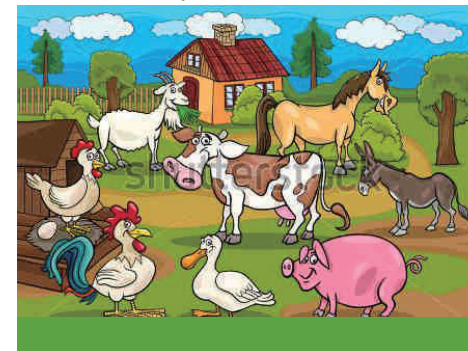
Planning to upgrade and include Genomic selection or genetic marker associated selection

- Application of PSS, ESR, and H-FABP genetic markers at the growth performance test station for boars
- Pale soft and exudative (PSE) pork and PSS (Porcine Stress Syndrome) pigs are associated with variation in the Halothane gene (RYR1 or CRC1) on chromosome 6, the functional gene or QTL responsible for all the effects on lean growth and stress susceptibility.
- The estrogen receptor ESR on chromosome 1 is associated with litter size.
- H-FABP (Heart fatty acid binding protein) gene on chromosome 6, the gene that affects intramuscular fat

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Maraming  
salamat  
po...



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