

Philippine Native Animal Development (PNAD) as In Vivo Genetic Animal Conservation

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Outline of Presentation

- Historical Background
- Legal Bases
- Program Direction
- Accomplishments/Updates
- Way forward Plans

Historical Background

- Earlier initiatives/efforts in conserving native pigs and chicken
- Biases : small size, slow growth; preference for exotic breeds
- Inspired by overseas development; workshop entitled *“Utilization of Native Animals for Building Enterprises in Warm Climate Zones”* on July 19 – 23, 2010
- Resolution endorsed to Secretary Proceso J. Alcala for the establishment of a program for the conservation and development of native animals

Legal Bases

- DA-AO No. 15 series of 2010 – *“Establishing a Program for Conservation and Utilization of Domesticated Native Food Animals”*
 - Directed BAI to formulate a Road Map in consultation with stakeholders
 - Strengthen the National Swine and Poultry Research Development Center (NSPRDC) as Central Coordinating Center and Gene Pool for Native Pigs and Poultry
 - Tasked DA-RFOs to develop program initiatives by including the program in the existing production centers and stock farms
 - Established research collaborations with state universities and research institutions for technical support

Legal Bases

- SO No. 132 series of 2011 *“Institutional Arrangement and Responsibilities for the Philippine Native Animal Responsibilities for the Philippine Native Animal Development (PNAD) Program”*
 - ✓ Created the different committees of PNAD – Advisory, Program Management, Technical and Expert Working Group and Secretariat
- SO No. 509, series of 2011 *“Designation of Regional Focal Persons (RFPs) for the PNAD”*

Legal Bases

- SO No. 298 series of 2012 *“Amendments in the Composition of Different Committees under SO No. 132 series of 2011”*
- Memorandum dated December 16, 2013 *“Institutionalization of the Philippine Native Animal Development Program (PNAD) Plans and Activities by Providing Funds under the Genetic Improvement Program (GIP) of the DA’s Livestock Program”*

Program Direction

VISION

- *“Providing pride, health and wealth to Filipinos by conserving, producing and marketing our native animals under a sustainable environment”*

MISSION

- Formulating, promoting and implementing policies & programs for the development, conservation, production and marketing of native animals

Objectives

1. Develop PPAs for conservation, production & marketing of native animals.
2. Promote the domesticated native animals as regular food for the Filipinos.
3. Expand the contribution of the domesticated food animals in the GDP in general & to agriculture in particular.

Objectives

4. Develop & promote enterprises from domesticated native food animals and as potential export niche product of the Philippines.
5. Develop farming standards & good practices on domesticated native food animals.

Program Components

- Research & Development
- Marketing & Enterprise Development
- Policy Support
- Information, Education and Communication

ROADMAP: MILESTONE

2010

- Establishment of the program

- Bench marks
- Frameworks/direction
- Structure & organizational arrangements
- Phenotypic Characterization at NSPRDC

2011

- Phenotypic characterization (chicken & pigs)
- Molecular characterization
- Application of genetics to breeding

2012

- Phenotypic characterization (chicken & pigs)
- Molecular characterization
- Phenotypic char. of cattle, goat, horse
- Native animal raisers assoc. / entrepreneurial organized
- Native anim. Processors organized
- Application of Genetics to breeding
- Designing breeding program & selection schemes

2013

- Native animal products developed
- Four (4) breeds of chicken recognized

2014

- Completion of phenotypic characterization of native animals
- Designing breeding program and selective schemes
- Cryopreservation
- Native animal products developed

2015

2016

- Full implementation of program to other species
- Enterprises developed
- Native animal products developed

Highlight of Accomplishments – 1

○ Collaborative Research Initiatives

- Phenotypic & Molecular Characterization of Different Genetic Groups of Native Chickens in the Philippines (UPLB – Animal & Dairy Science Cluster)
- Development of Sustainable Breeder Philippine Mallard Production System (PCAARRD & BAI)

Highlight of Accomplishments – 2

○ Collaborative Research Initiatives

- Purification of Philippine Native Chickens (PCAARRD, State Universities & DA-RFO VII)
 - Camarines chicken (Bicol)
 - Manok Bisaya chicken(Bohol)
 - Zampen chicken (Zamboanga)

Highlight of Accomplishments – 3

○ Collaborative Research Initiatives

- Conservation, Improvement & Profitable Utilization of Philippine Native Pigs in Marinduque, Bondoc Peninsula, Benguet, Kalinga, Nueva Viscaya & Isabelala (PCAARRD, BAI, State Universities)
- Improvement of Processing Technologies for Meat & Skin from Black Tiaong Strain of Native Pig

Highlight of Accomplishments – 4

- Information, Education & Communications
 - PNAD Website – Center for Environmental Law and Policy Advocacy, Inc. (CELPA)
 - Two (2) PNAD Summit – Pampanga & Cagayan de Oro
 - Training of Regional Focal Persons & Farmers
 - Stakeholders' Consultation
 - Organized the Native Pig Industry Association (NPI)

Highlight of Accomplishments – 5

○ Other Initiatives

- Credit Facility from the Agricultural Credit Policy Council (ACPC) thru the Agricultural & Fisheries Financing Program (AFFP) for small farmers & fisherfolk in priority poorest provinces

WAY FORWARD

Legislative Initiatives

- The House Bill No. 3880 was introduced by Representative Sharon S. Garin in the House of Representatives, entitled “**An Act Promoting the Scientific Propagation, Processing, Utilization and Development of Philippine Native Animals, Hereby Creating the Philippine Native Animal Development Center.**” and shall be known as the “**Philippine Native Animal Development Act of 2014**” was approved in the House Committee on Food and Agriculture in December 2014.
- Senate version was introduced Senator Sonny Angara under Senate Bill No. 2674 “**An Act Promoting The Scientific Propagation, Processing, Utilization And Development Of Philippine Native Animals, Hereby Creating The Philippine Native Animal Development Center.**”

PHOTO DOCUMENTATION



Round table discussion during the PSAS Conference in Bacolod on October 27, 2011

BENCHMARKING: TAIWAN MODEL

November 25-29, 2011

Native Animal Connection Project –
under the PH-TW TWG-DA & CoA

Benchmarking Taiwan



Benchmarking Taiwan

Visit to Kai Shing Enterprise Co.

- First company specialized in producing & processing black (silky) chicken & native broilers



Benchmarking Taiwan

Dressing Facility for Native Chicken



Dressing Facility for Native Chicken



Benchmarking Taiwan



Processed products from native chicken of Kai-Shing

Benchmarking Taiwan



Cryopreservation Facility

Regional Focal Persons Workshop (April 2012)



Training Workshop in Iloilo City on April 16-20, 2012

Regional Focal Persons Workshop (April 2012)



Hands-on Training on Phenotypic Characterization

1st Philippine Native Animal Summit (Nov. 2012)



1st Philippine Native Animal Summit was held in Magalang, Pampanga on November 8, 2014

1st Philippine Native Animal Summit (Nov. 2012)



Stakeholder's Consultative Meeting (Oct. 2013)



Stakeholders' Consultative Meeting held at OD Conference Room on October 25, 2013

TWG-RFPs Mid-Year Meeting/ Workshop at Tabuk, Kalinga (April 2014)



2nd Philippine Native Animal Development Summit (Oct. 2014)



2nd Philippine Native Animal Development Summit (Oct. 2014)



2nd Philippine Native Animal Development Summit



2nd Philippine Native Animal Development Summit



Trainings



Trainings



PNAD TWG and RFPs Mid-Year Meeting/ Workshop at Puerto Princesa, Palawan (May 19-22, 2015)



Bolinao Male



Bolinao Female



Labuyo Male



Boholano Male



Boholano Female



Camarines Male



Camarines Female



Paraoakan Male



Paroakan Female



Darag Male



Darag Female



Joloano Male



Joloano Female



Banaba Male



Banaba Female



BAI-Tiaong Black Pigs (BT-Black)



Kalinga Breed



Kalinga Native Pig



Kalinga Native Pigs



Kalinga Native Pigs



KHAKI/BROWN MALLARD DUCK

B-KM 10



PATEROS/BLACK MALLARD DUCK

B-PM 10

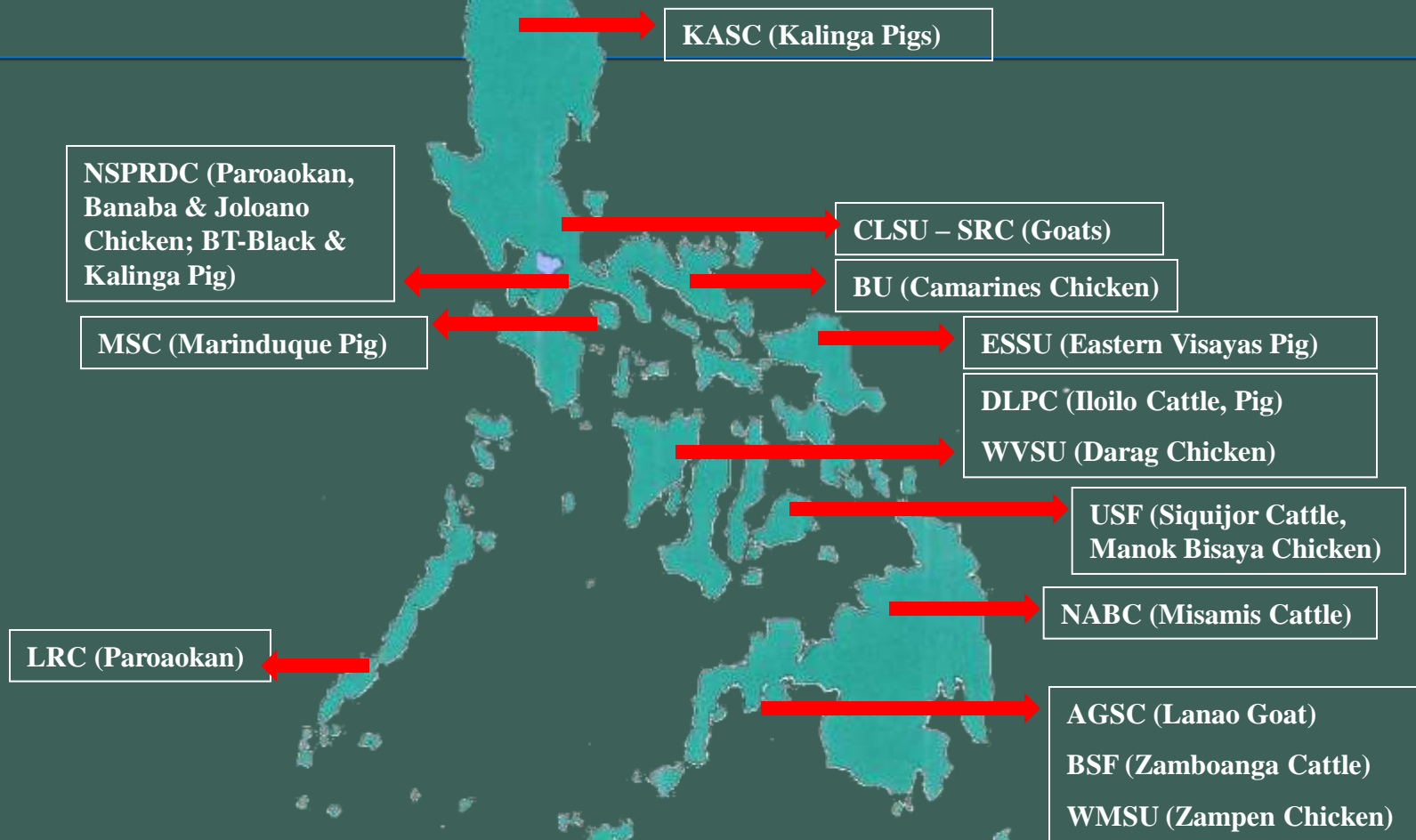


PHILIPPINE MALLARD DUCK

B-WM 08



Native Animal Gene Pools



Thank you for listening!



**“OUR NATIVE
ANIMALS,
MY WEALTH AND
MY PRIDE!”**