



IMT-GT
TRIANGLE NETWORK
FOR
ANIMAL PRODUCTION AND
BIOTECHNOLOGY

WEST SUMATRA
INDONESIA



Mission Statement

- ✓ Improving reproduction and product on livestock.
- ✓ Implementing biotechnology to increase of livestock productivity



GOAL'S

- ✓ TO SHARE RESEARCH
- ✓ TO IMPROVE BIOTECHNOLOGY
- ✓ TO INCREASE PRODUCTIVITY
- ✓ TO FULFILL ANIMAL PRODUCT NEED
- ✓ TO INCREASE INCOME OF FARMER



OBJECTIVES

- ✓ UTILIZING REPRODUCTIVE BIOTECHNOLOGIES
- ✓ ESTABLISHMENT OF COOPERATION AND NETWORK OF BEEF CATTLE AND GOAT PRODUCTION
- ✓ ESTABLISHMENT A NETWORK FOR THE INTERNATIONAL CENTER FOR CATTLE IN WEST SUMATRA (INDONESIA), SURATHANI (THAILAND) AND MALAYSIA
- ✓ EXCHANGE OF EXPERT, TECHNICIANS , TRAINING AND VISIT STUDY



The Team

- ✓ WEST SUMATRA, INDONESIA
 - INTERNATIONAL TRAINING CENTER and LIVESTOCK DEVELOPMENT
- ✓ SURATHANI, THAILAND
 - BEEF CATTLE AND GOAT PRODUCTION BIOTECHNOLOGIES IMT-GT NETWORK
- ✓ MALAYSIA
 - TO BE CONFIRM



OPPORTUNITIES

✔ Problems

- IMPLEMENTED TECHNOLOGIES
- FARMER CAPACITY
- QUALITY, QUANTITY AND CONTINUITY

✔ Opportunities:

- SHARE TECHNOLOGY AND EXPERIENCE TO IMPLEMENT
- PREPARING THE TRAINING MODUL FOR FARMER AND FIELD TECHNICIANS
- EXPERIENCE AND PROGRAM EXCHANGE TO INCREASE SMALL HOLDER FARMER
- INTEGRATED RESEARCH ON LIVESTOCK BIOTECHNOLOGIES



CONCEPT

✓ KEY:

- TECHNICAL COOPERATION AND NETWORKING

✓ TECHNOLOGY :

- IMPLEMENTED TECHNOLOGIES

✓ CONCEPT:

- BIOTECHNOLOGY OF REPRODUCTION
- BIOTECHNOLOGY OF PRODUCTION

✓ STRATEGY :

- EXCHANGE PROGRAM OF EXPERT AND TECHNICIANS
- EXCHANGE FARMER AND VISIT STUDY
- SEMINAR AND WORKSHOP
- LIVESTOCK EXPO

✓ FINANCIAL SUPPORT:

- ADB
- NATIONAL AND LOCAL BUDGET
- ASEAN AND ETC



FIVE-YEAR GOALS

- STANDARDISATION OF FACILITY AND MODUL
- TECHNOLOGIES AND RESEARCH
 - ARTIFICIAL INSEMINATION
 - EMBRYO TRANSFER
- TRAINING AND CAPACITY BUILDING
 - FIELD TECHNICIANS
 - FARMER
- QUALITY OF BREED OF CATTLE AND GOAT
 - SIMMENTAL CROSSBREED, LIMOUSINE CROSSBREED
 - ETTAWA



Resource Requirements

- ✓ Technology requirements
- ✓ Personnel requirements
- ✓ Resource requirements
- ✓ External requirements



Risks & Rewards

▼ Risks

- Fail in select of implemented technologies
- Fail in implement of technology to farmer
- Fail in transfer knowledge to farmer

▼ Addressing risk

- Comprehensiveness of program on technically and non technically preparation.

▼ Rewards

- Increasing of beef cattle and goat crossbreed

INTERNATIONAL CENTER FOR CATTLE LIVESTOCK SERVICES OF WEST SUMATRA (ICfC – LSWS) WITH INFRASTRUCTURE ARE :

- ✓ **TUAH SAKATO**, ARTIFICIAL INSEMINATION CENTER
 - ESTABLISH ON 2002
 - FROZEN SEMEN PRODUCTION 150.000 STRAWS/YEAR
 - REPRODUCTION TRAINING CENTER (AI, PREGNANT TEST, REPRODUCTION DISORDER TECHNICIANS)
- ✓ **PADANG MENGATAS**, LIVESTOCK BREEDING CENTER
 - SIMMENTAL CROSSBREED
- ✓ **ANDALAS UNIVERSITY**, BIOTECHNOLOGY LABORATORY
 - IN VITRO FERTILIZATION
 - RESEARCH ON REPRO BIOTECHNOLGIES ON CATTLE
- ✓ **BASO**, VETERINARY DISEASES INVESTIGATION CENTER
 - INTERNATIONAL STANDAR OF VETERINARY LABORATORIES
- ✓ **SBC**, WEST SUMATRA BREEDER CLUB
 - CLUB OF SMALL SCALE FARMER FOCUS ON BREEDING
- ✓ **LIVESTOCK SCHOOL**,
 - LIVESTOCK TECHNICIAN SCHOOL
- ✓ **PAYAKUMBUH**, INTERNATIONAL SLAUGHTER HOUSE
 - SUPPORT BY SPANISH AND NATIONAL SCIENCE INSTITUT



Key Issues

- ✓ NEAR TERM;
 - TECHNOLOGIES FOR LIVESTOCK PRODUCTION
- ✓ LONG TERM;
 - INCREASE FARMER INCOME
 - FULFILLING OF ANIMAL PRODUCT DEMAND
- ✓ FOOD CRISIS



**THANK U 4 YOUR COOPERATION
IN NETWORK**