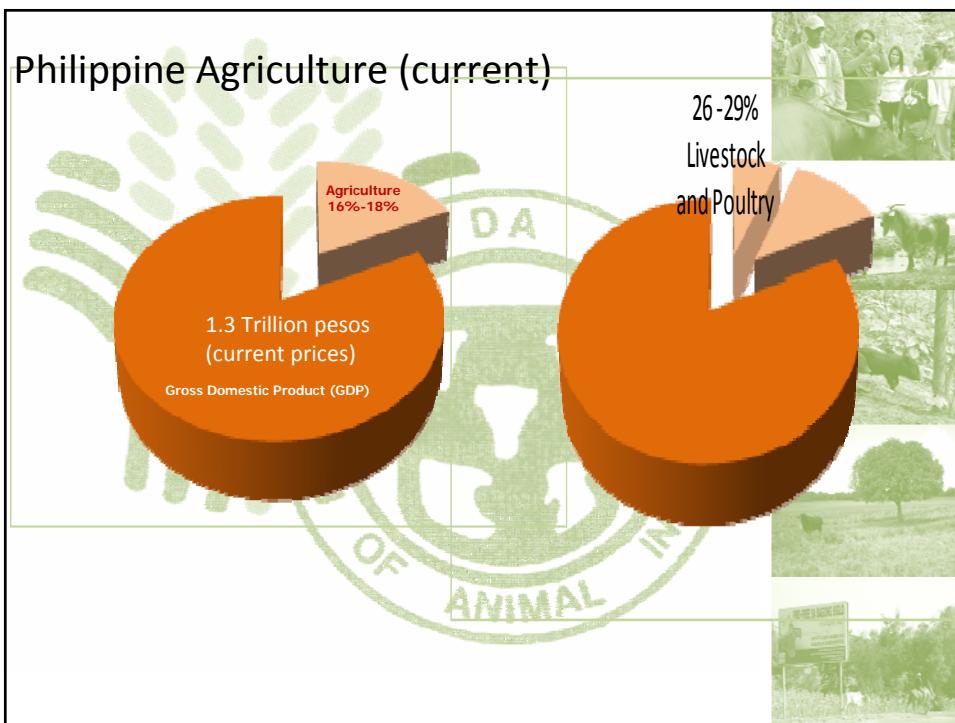
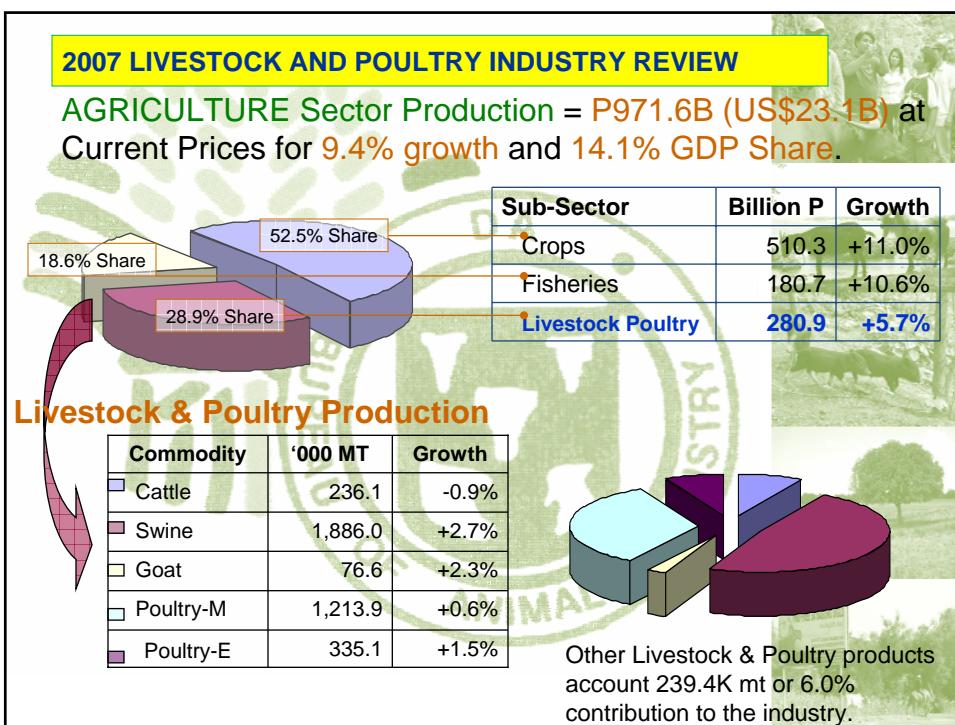
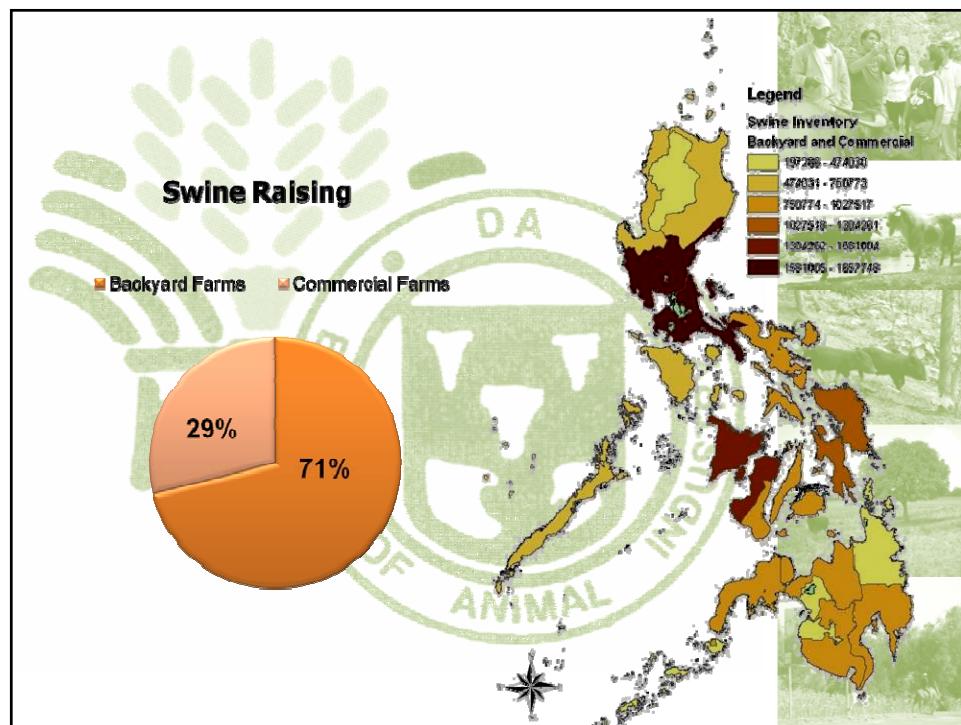
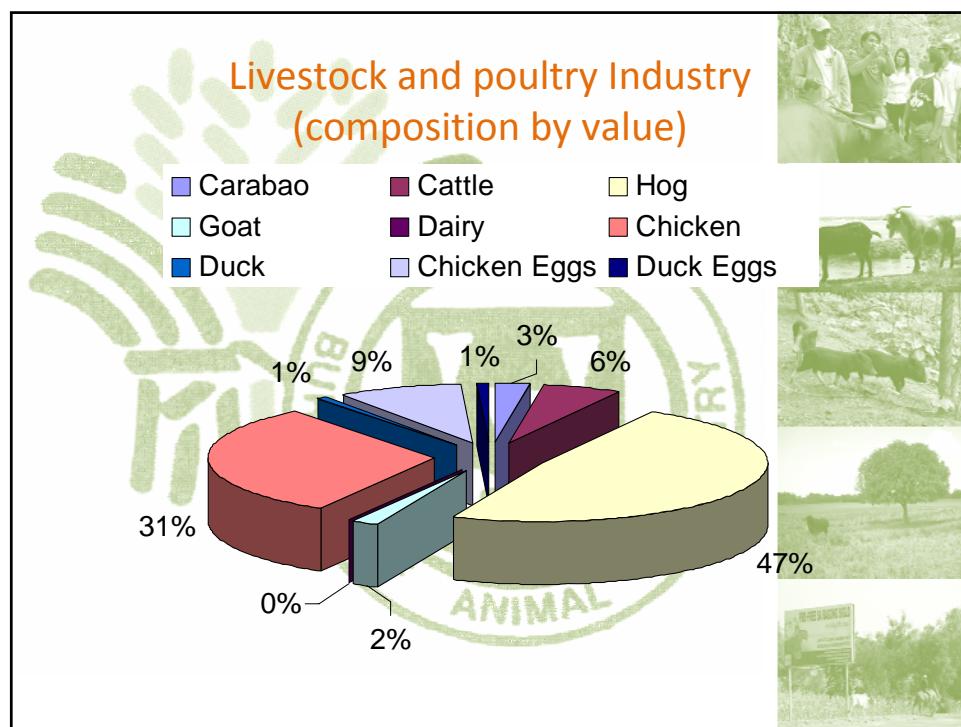


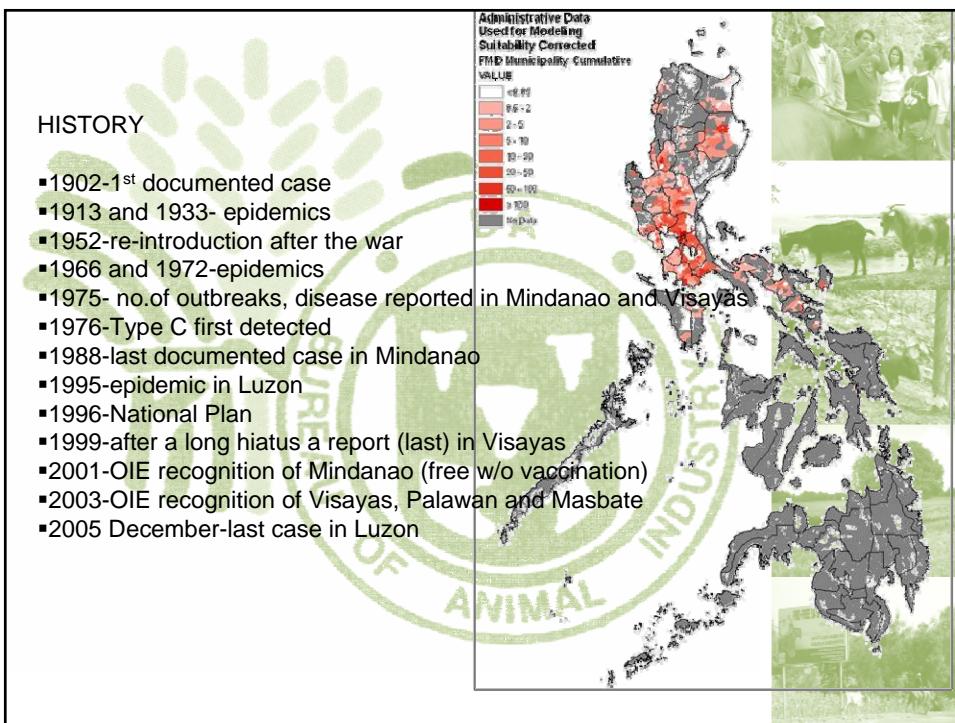
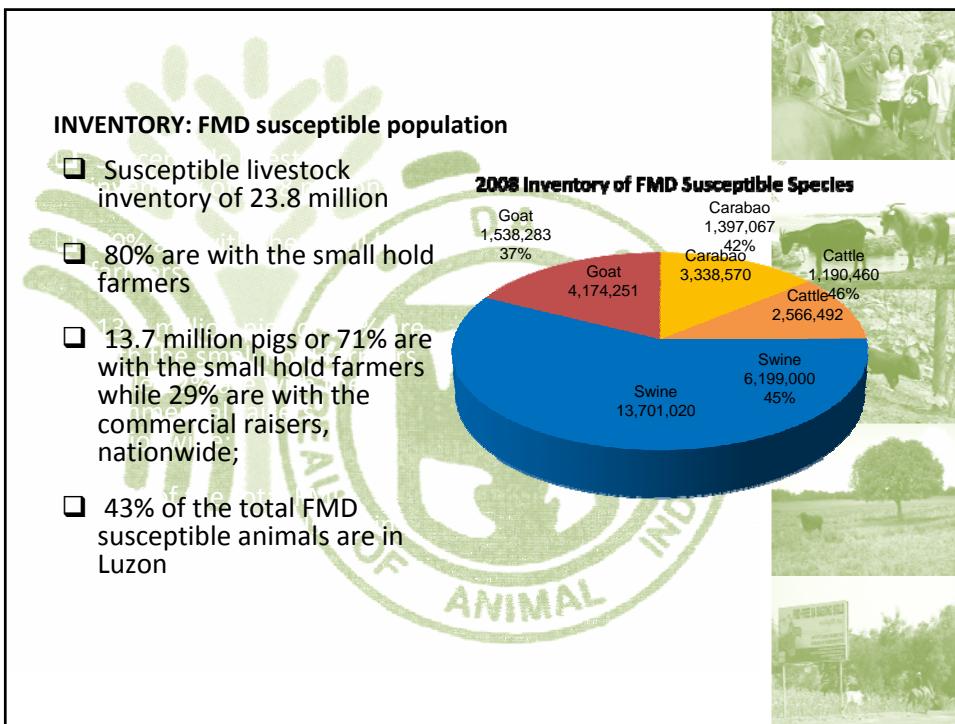
The slide features a large outline map of the Philippines in the center. Overlaid on the map are several small photographs showing various agricultural and animal-related scenes: people working in a field, a group of people standing near a vehicle, a goat grazing, a landscape with a sign, and a person riding a horse.

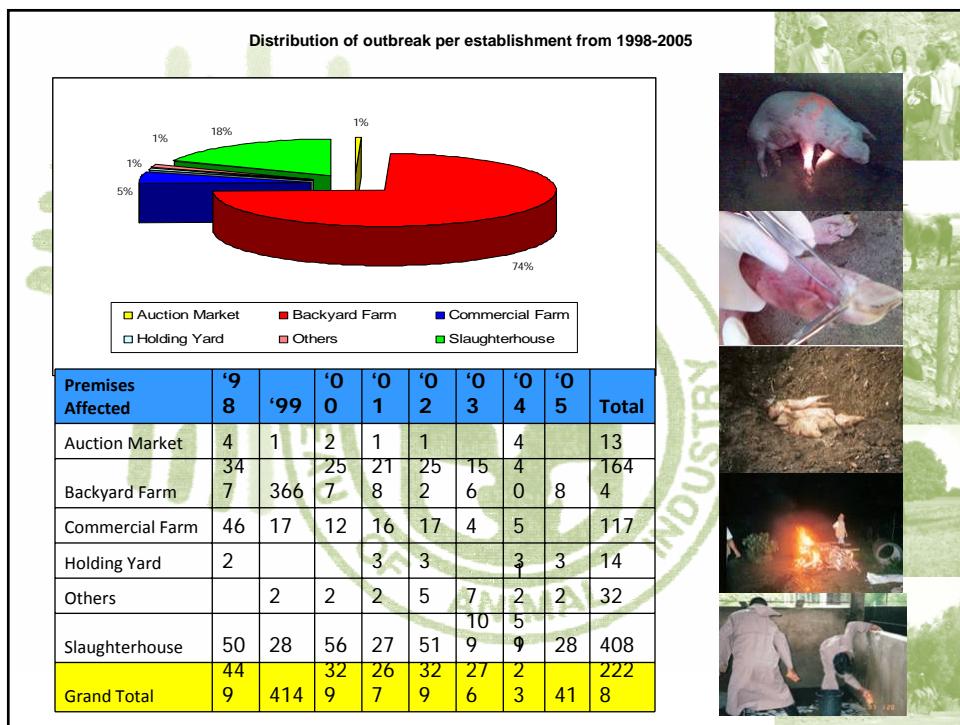
Overview of presentation

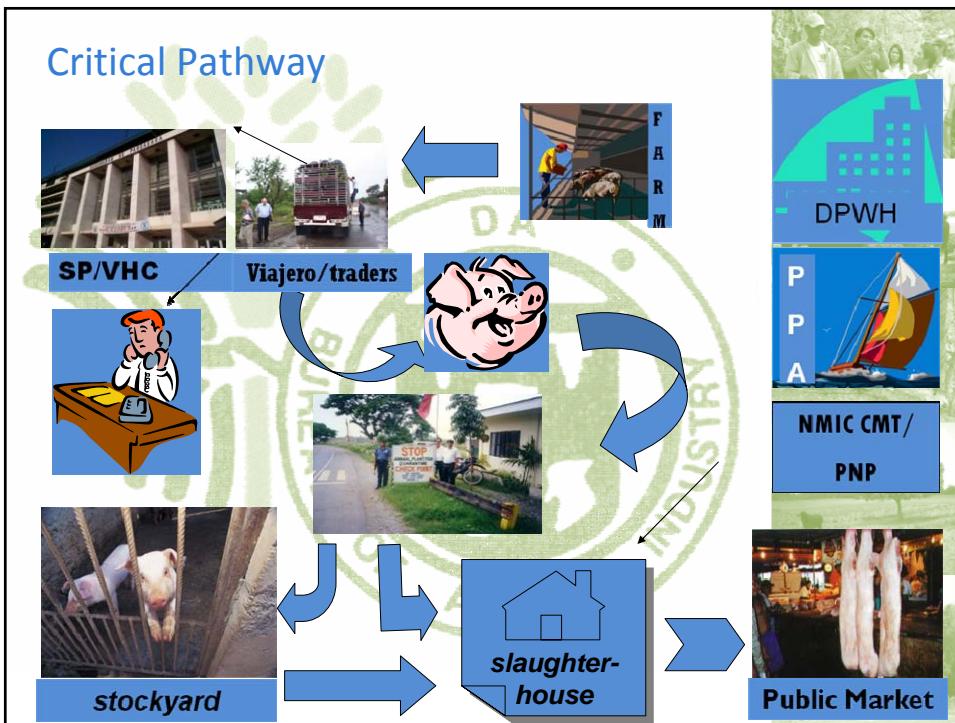
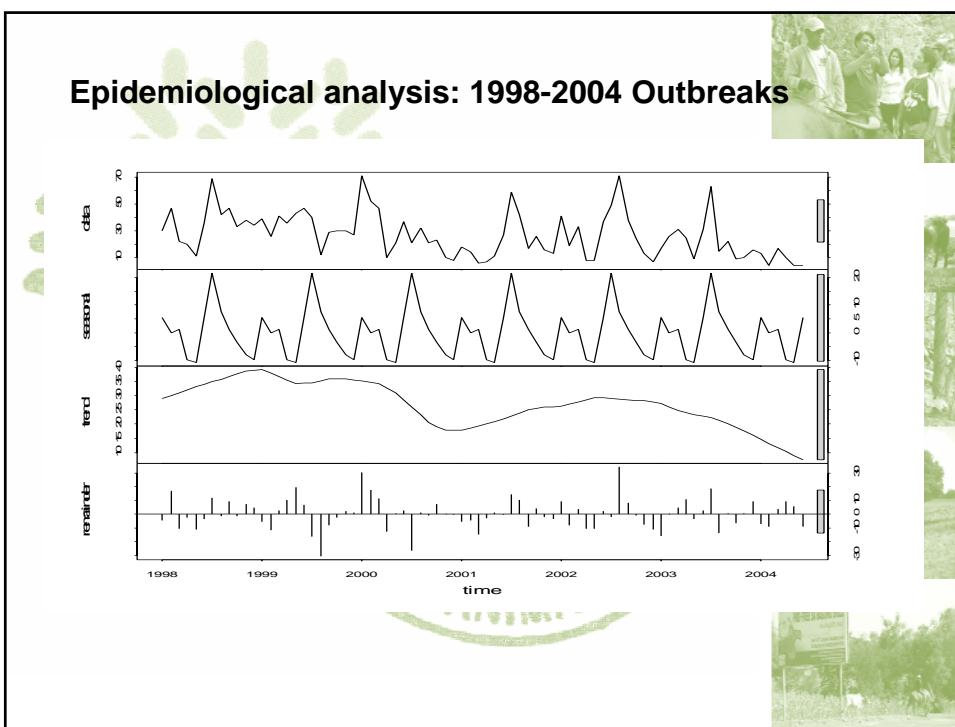
1. Contribution of Agriculture (livestock) in the economy
2. Foot and Mouth Disease
 - History
 - Control and eradication
 - Cost (estimate)
 - Impact of eradication
3. Cost - Benefit
4. Recommendations











Interventions on the Critical Nodes

1. Farm accreditation system (vaccination)
2. Shipping Protocol
3. Deputation Program for private practitioners
4. Trader orientation and licensing
5. Creation of Compliance Monitoring Teams down to local units
6. Selective stamping out
7. Massive cleaning and disinfection of premises (abattoir, holding yards, weighing stations...)
8. Advocacy drive
9. Forging Public-Private partnership (government-farmers-traders-industry-consumers)
10. Guidelines on trading, movement and slaughter



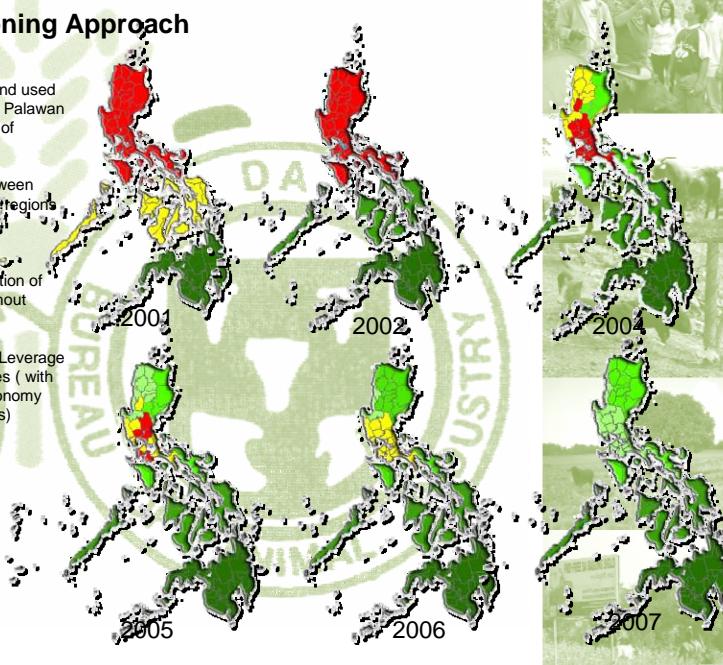
Progressive Zoning Approach

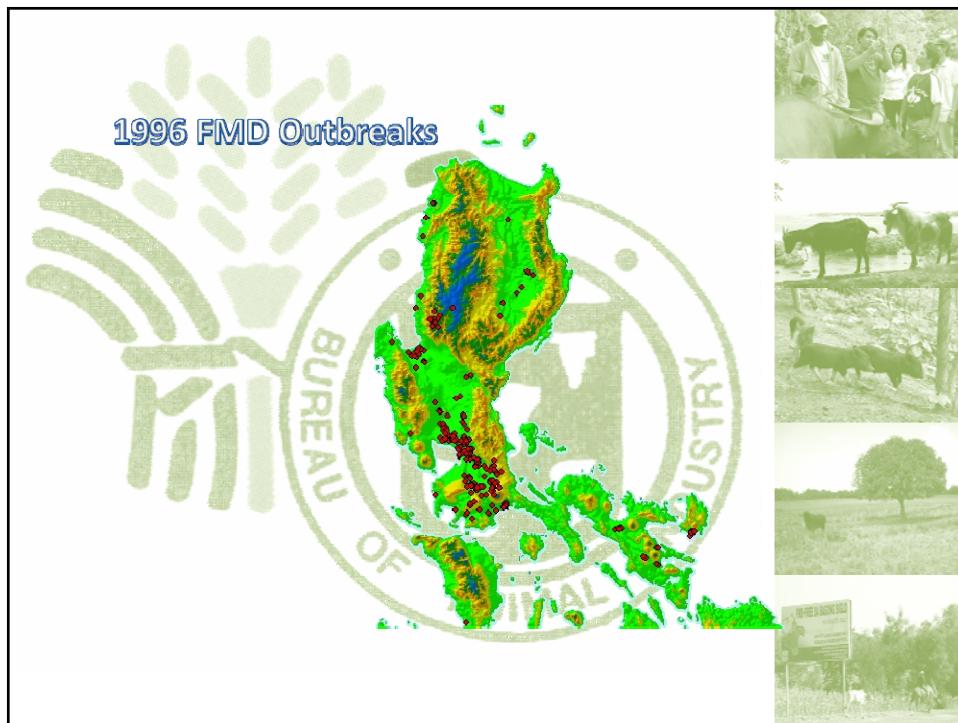
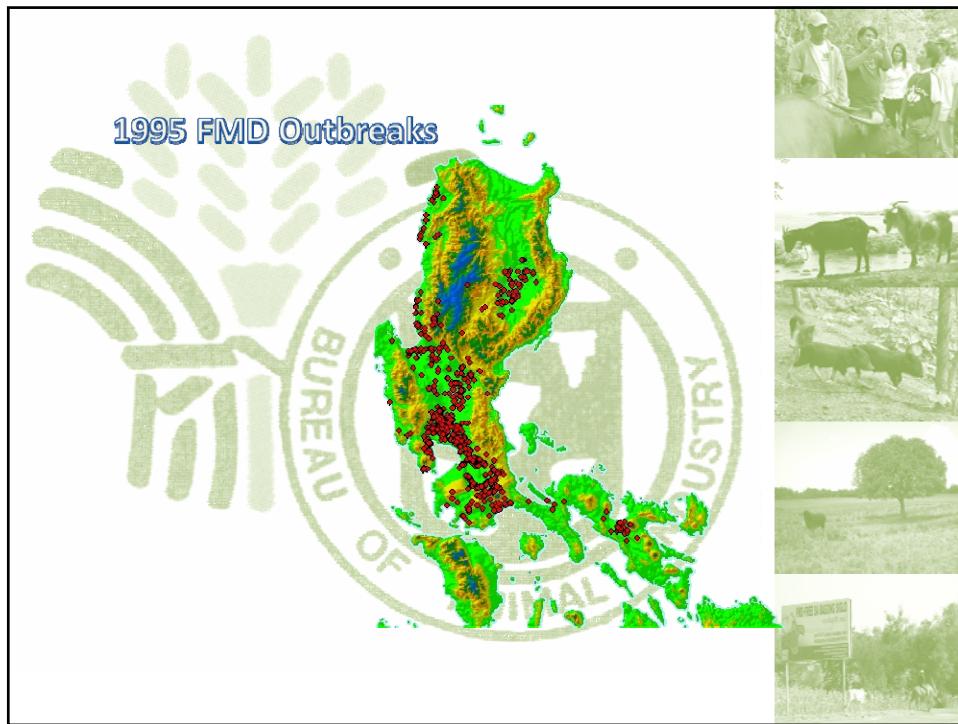
Previously implemented and used in the Mindanao, Visayas, Palawan and Masbate progression of freedom

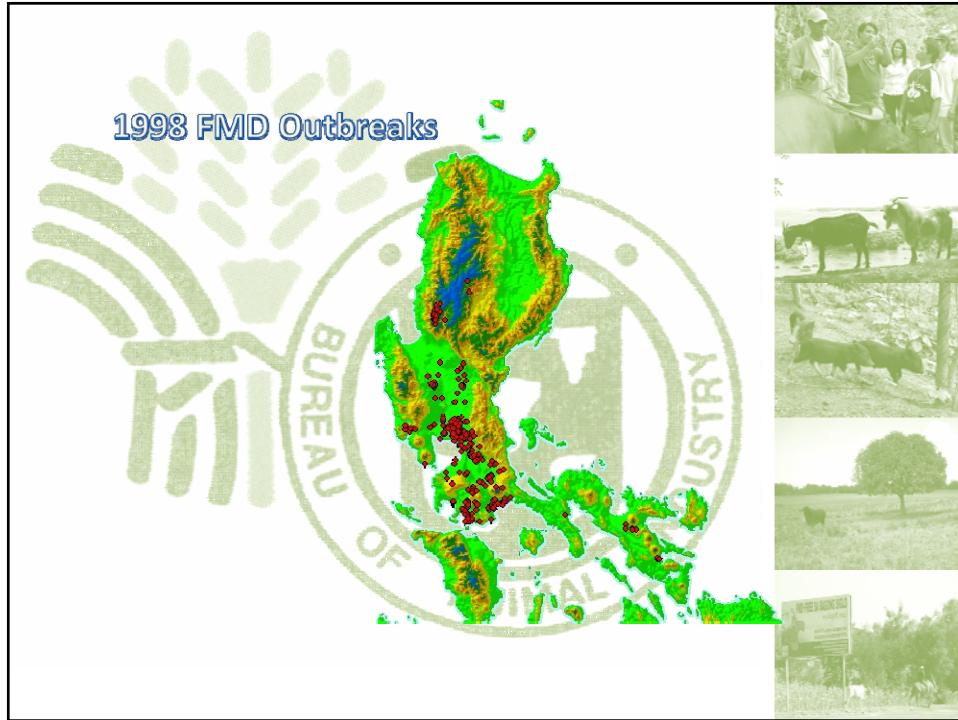
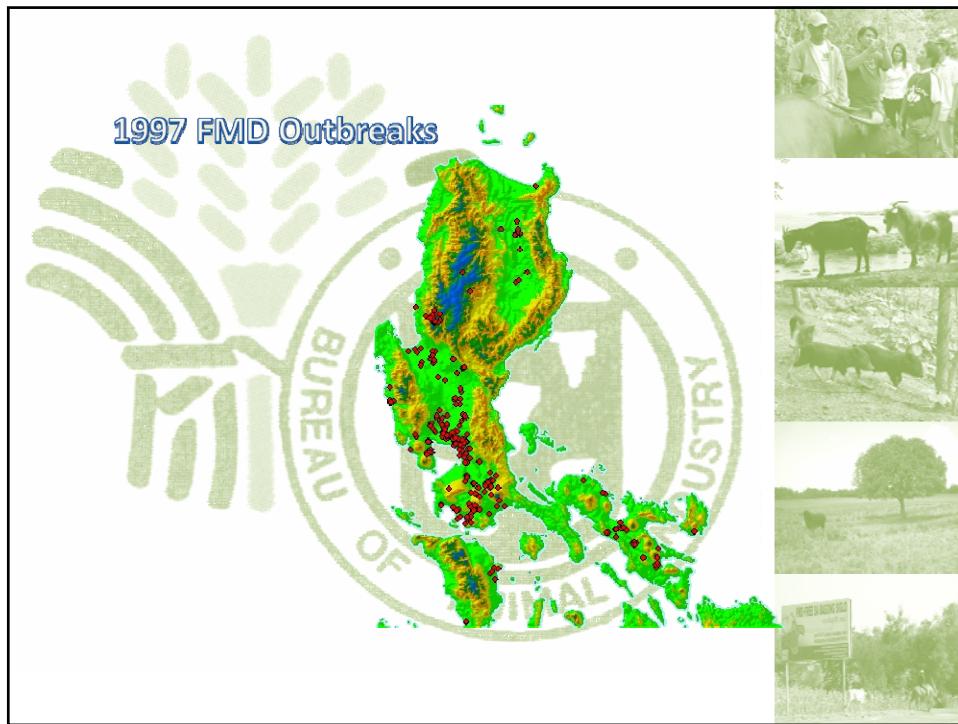
Applied within Luzon. Between regions, and further within regions -between provinces

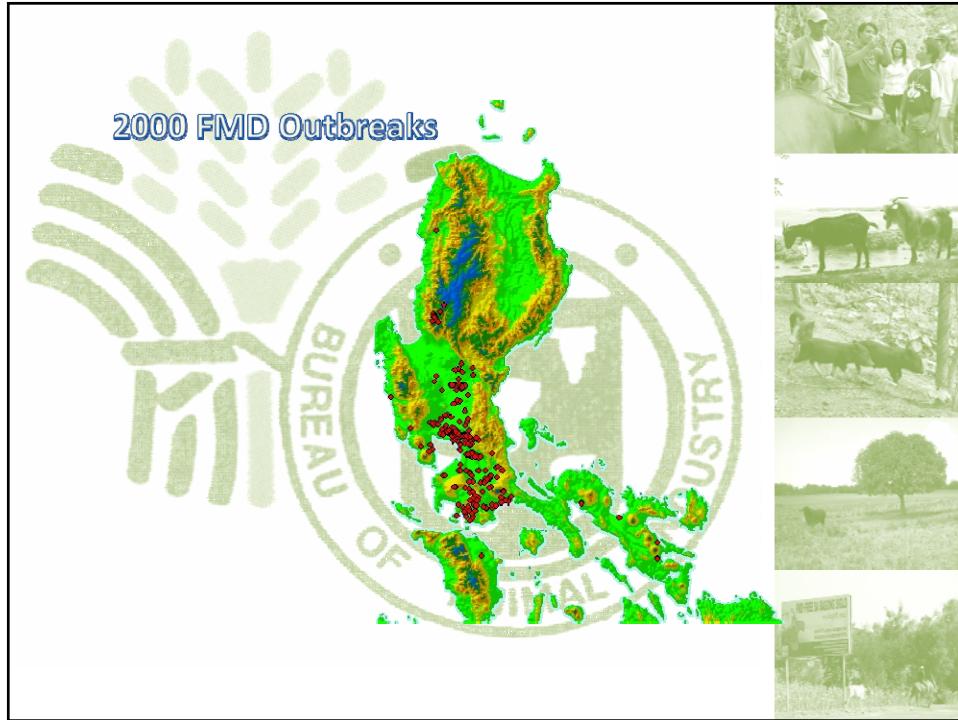
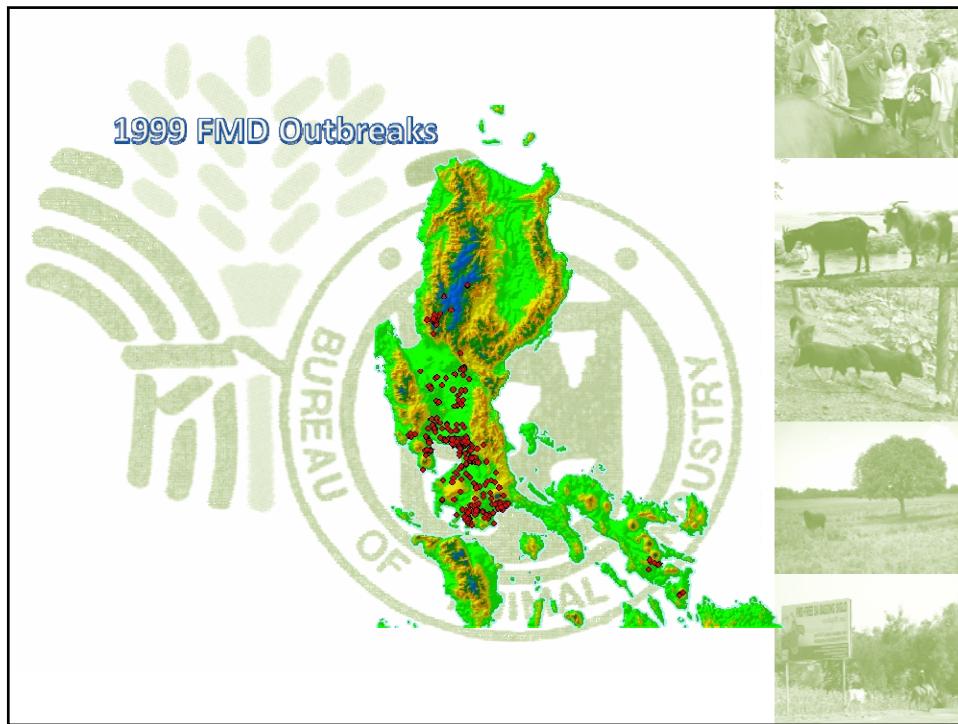
Resulted to Local Declaration of FMD freedom (with or without Vaccination)

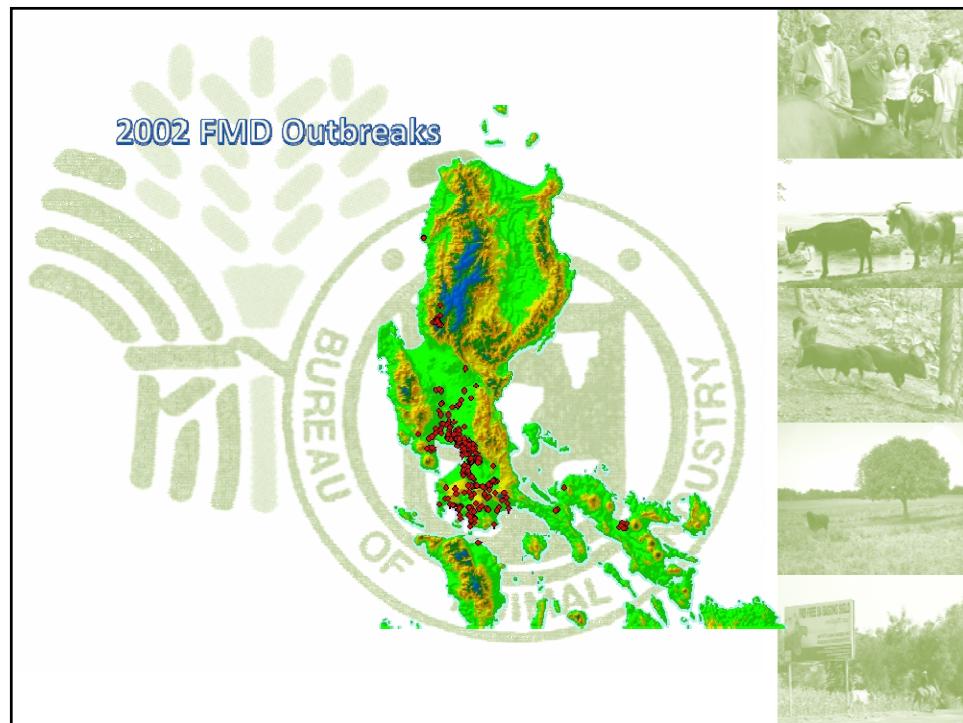
Tools for local campaign. Leverage with Local Chief Executives (with significant bearing on autonomy of Local Government Units)

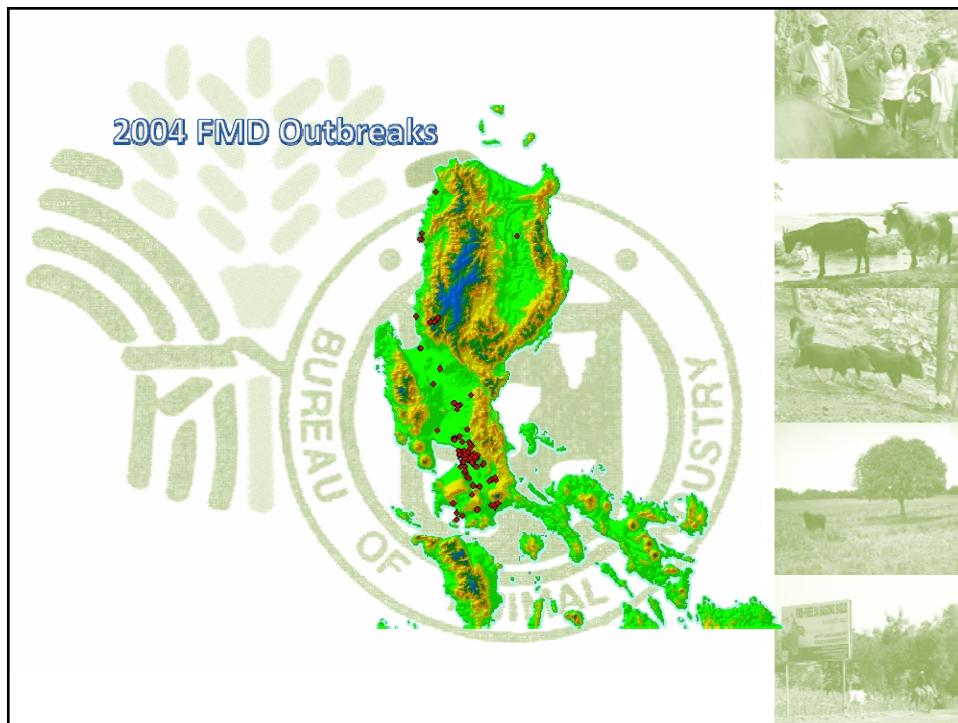
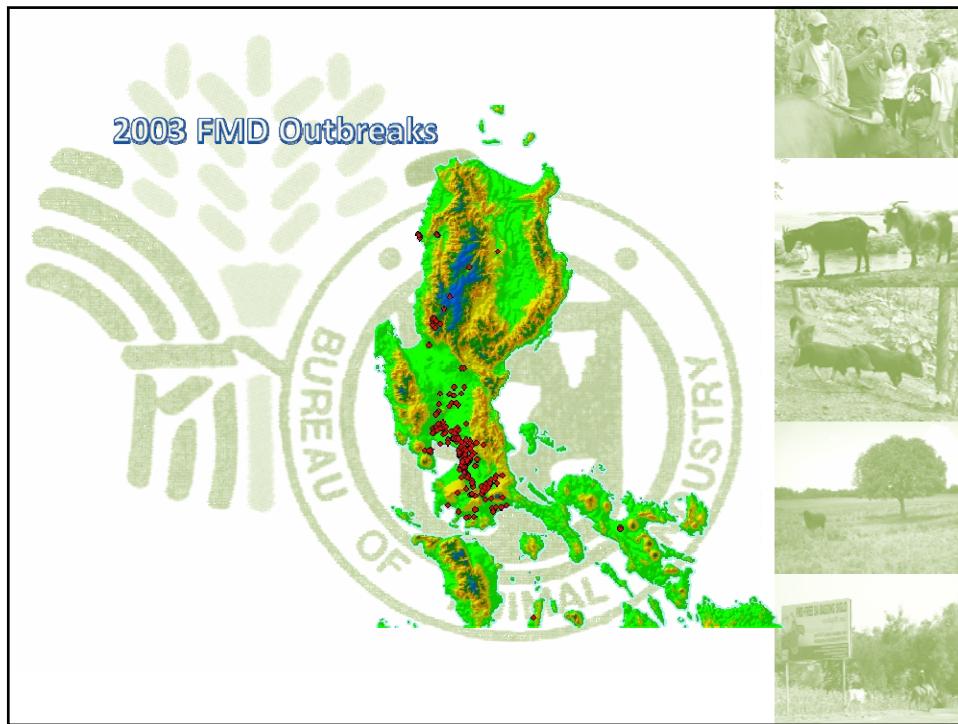


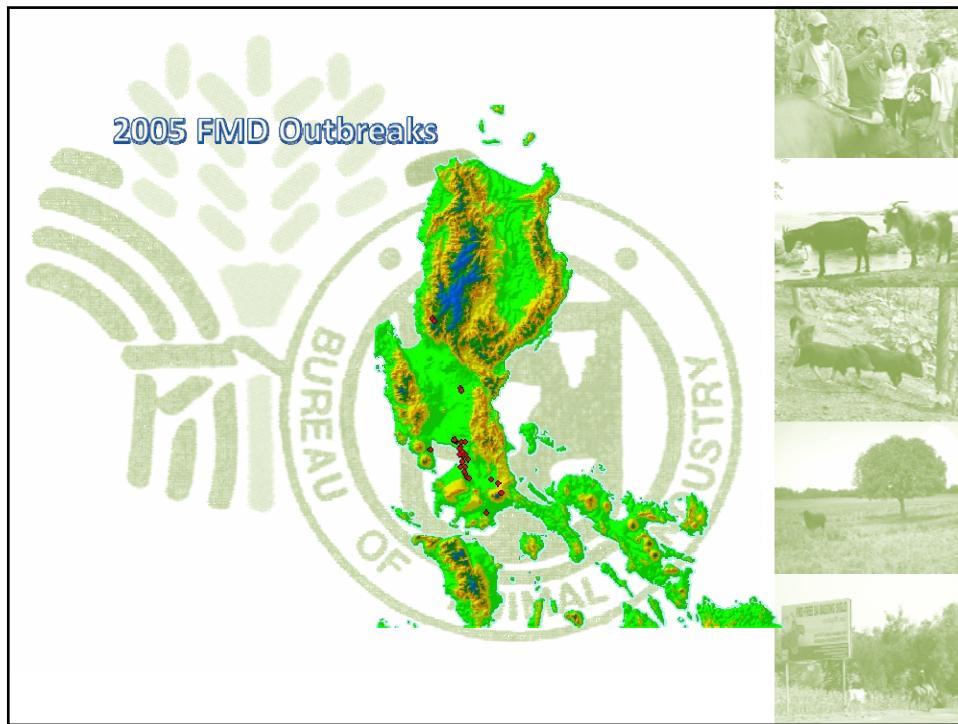






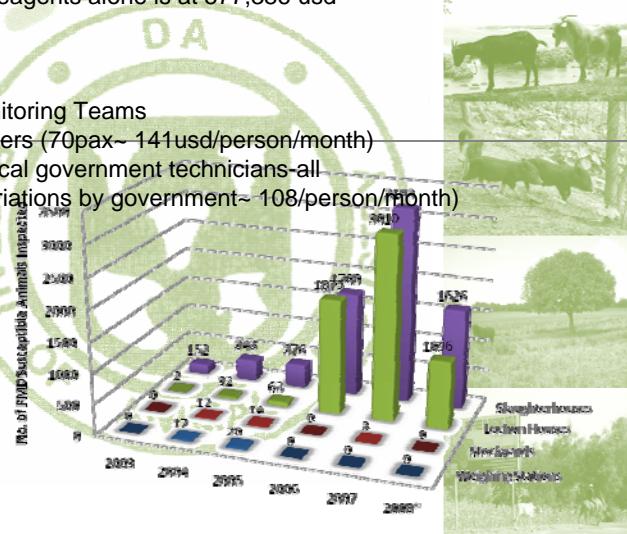






1. Surveillance

- Serological Surveillance
2004 to 2008 -28,430 samples (30usd/sample*)
2006 to 2009 – reagents alone is at 577,386 usd
- Clinical Surveillance
Compliance Monitoring Teams
Document checkers (70pax~ 141usd/person/month)
- Passive Surveillance -local government technicians-all provinces (fixed appropriations by government~ 108/person/month)



2. PUBLIC AWARENESS

- Production of IEC materials (tri-media)
- Stake holder programs and meetings
- Advocacy campaign (message to consumers)
- Printing of promo items
(model in SEA FMD Campaign)
- ~ 10,000usd/year *
(inclusive of meetings- ~25,000-50,000 usd/year)



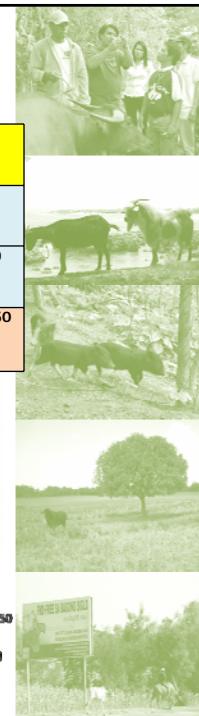
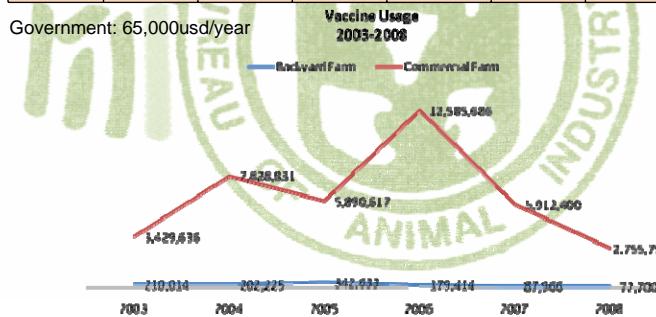
3. Animal Movement Management

- 54 Quarantine Stations
- Fixed and mobile
- Strategically located
- Main Roads-24 hours operation
- Ownership with Local Governments



4. Vaccination

Vaccine usage	2003	2004	2005	2006	2007	2008
Backyard Farm	210,014	202,225	342,633	179,414	87,966	72,700
Commercial Farm	3,429,636	7,828,831	5,890,617	12,585,686	5,912,400	2,755,750
Total No. of Doses	3,639,650	8,031,056	6,233,250	12,765,100	6,000,366	2,828,450



Cost of maintenance-FMD free zones

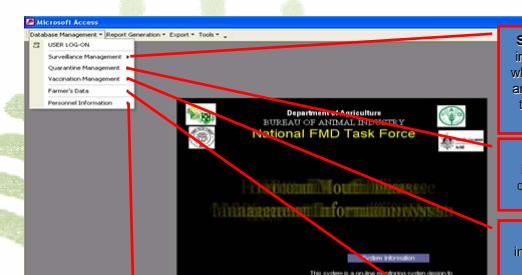
		2000	2001	2002	2003	2004	2005
Surveillance	# Samples	1609	3354	3562	3740	2919	3391
	Cost USD	56,788	101,533	106,860	102,000	79,609	101,770
Quarantine	# Staff	----	----	----	38	41	82
	USD				66,545	76,909	144,020
Public Awareness	USD	----	----	----	9,818	9,818	11,400

Table: Government Expenditures
 Source: ISVEE Paper *
 The Benefits And Costs Of Maintaining The Philippines' OIE Recognized FMD Free Zones Without Vaccination

Note: 2004-2009 Direct Cost / Program Funds
 Government Funds ~ 2.5M usd and ~1.9M usd Project Funds



Other investments



Microsoft Access Database Management > Export Generation > Export > Tools >

- USER LOG-ON
- Surveillance Management
- Quarantine Management
- Vaccination Management
- Farmer's Data
- Personnel Information

GIS Date Range
Starting Date: 01-Jan-05
Ending Date: 26-Apr-05
Back to Main

Surveillance Management includes all the investigation whether an outbreak, incident and negative monitoring and to be linked with laboratory diagnosis

Quarantine Management includes all information on quarantine checkpoints and livestock movement

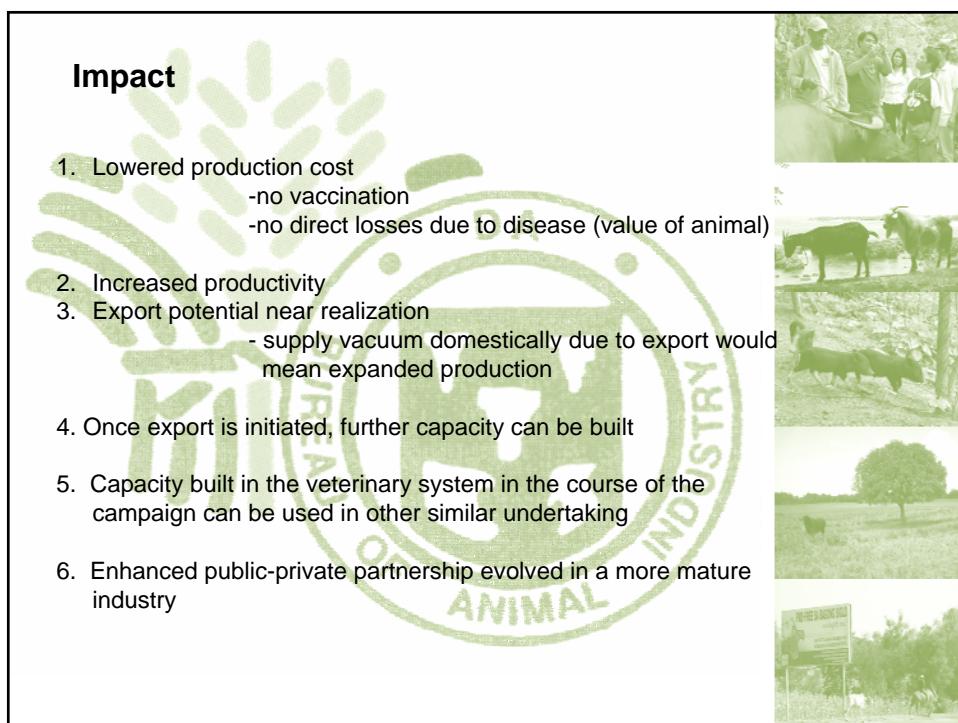
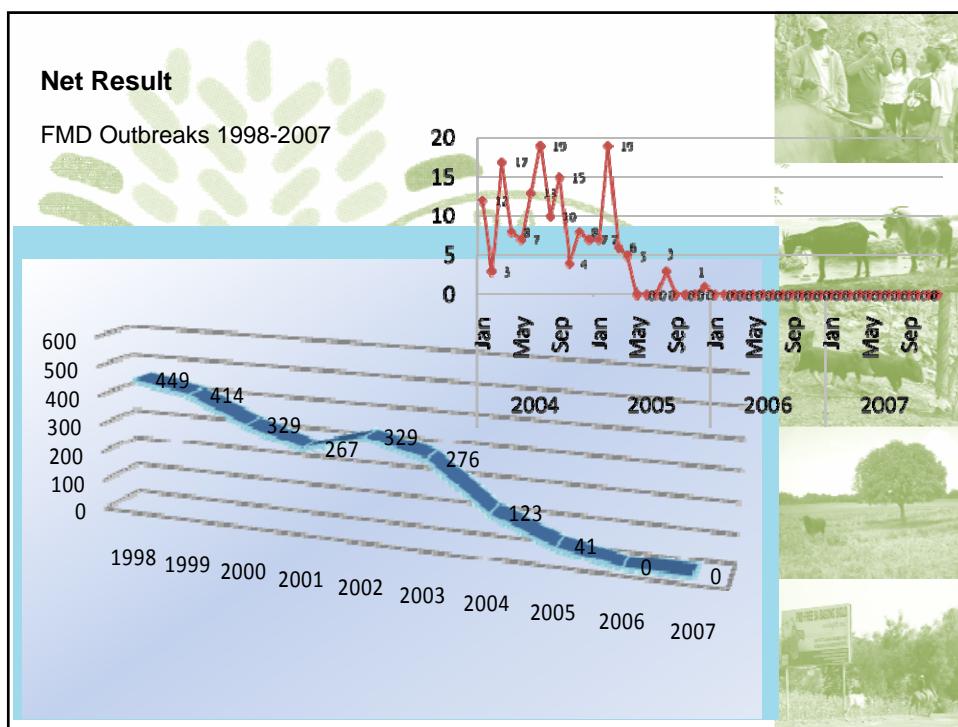
Vaccination Management includes data on the vaccine purchase, distribution and usage

Farmer's Data includes all vital information about the farmer



Phil Animal Health Information System
Phil-AHIS
ictuBAI Information and Communication Technology Unit v 1.0.0





Cost-Benefit

1. Previous Study**- concluded a Php 2.40/ 1.0 invested
- included epidemiological and economic modeling plus prices and control costs

provided baseline scenario partially realized w/ zero clinical case since December 2005 BUT w/o International recognition as yet

Perceived benefits partially achieved
–increased productivity and potential export (pulled by unforeseen events NOT FMD)

2. Direct Cost vs. Potential losses

Total Program Cost vs. 2B pesos (~43M usd current prices) direct losses in 1995 outbreaks alone

** The economic impact of foot and mouth disease control and eradication in the Philippines

Recommendations

1. Cost of eradicating disease, pending quantitative analysis is justified as seen in the industry profile and potential losses due to disease

2. Equal attention and funding be sustained to maintain free status

3. Maintenance of current state of preparedness-FMD remains one of the priority diseases

