

Report of the Thirty-fifth Session of the Animal Production and Health Commission for Asia and the Pacific (APHCA)

Cebu City, Philippines, 2-4 November 2011



THE EIGHTEEN APHCA MEMBER COUNTRIES

AUSTRALIA

BANGLADESH

BHUTAN

INDIA

INDONESIA

IRAN

DPR KOREA

LAO PDR

MALAYSIA

MONGOLIA

MYANMAR

NEPAL

PAKISTAN

PAPUA NEW GUINEA

PHILIPPINES

SAMOA

SRI LANKA

THAILAND



REPORT OF THE
**THIRTY-FIFTH SESSION OF THE
ANIMAL PRODUCTION AND HEALTH
COMMISSION FOR ASIA AND THE PACIFIC
(APHCA)**

**FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS
REGIONAL OFFICE FOR ASIA AND THE PACIFIC
Bangkok, 2011**

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Minutes of the 72nd Executive Committee Meeting

Cebu City, Philippines,

3 November 2011

The 72nd Executive Committee Meeting (ExCom), met on Thursday, 3 November 2011, 1600 – 1700 hours. The APHCA Secretary explained that due to unusual circumstances, the 72nd Executive Committee, which was supposed to be held before the 35th APHCA business session, had to be rescheduled. The meeting was convened after the 35th business session and since a new set of executive members have been elected, the members of the 71st and 72nd Executive Committee came together for the 72nd Executive Committee Meeting.

The meeting was attended by:

- Jeera Sorannuwat, Delegate from Thailand
- Mike Nunn, Delegate from Australia
- Sina Taulealo Moala, Delegate from Samoa
- R.M.R. Ariyadasa, Delegate from Sri Lanka
- V.C. Atienza, Delegate from Philippines
- Ashraf Ali, Delegate from Bangladesh
- L Tu Ming Gawng, Delegate from Myanmar
- Uday Chandra Thakar, Delegate from Nepal

The delegate from Thailand handed the chairmanship to the Philippines. Dr. Victor C. Atienza, Deputy Director of the Bureau of Animal Industry, Philippines, chaired and presided over the meeting, following the agenda:

1. Welcome by the Chair
2. Adoption of the agenda
3. Minutes of the 71st APHCA Executive Committee Meeting and the 34th APHCA Session
4. Progress report on approved activities by the APHCA Secretary
5. Financial situation
6. Preparation of the 35th APHCA General Session
7. Other business

1. Welcome by the Chair

The delegate from the Philippines welcomed the members of the Executive Committee Meeting.

2. Adoption of the Agenda

The ExCom reviewed and adopted the agenda of the meeting.

3. Minutes of the 71st Executive Committee Meeting and the 34th APHCA General Session

The ExCom reviewed and adopted the minutes of both the 71st Executive Committee Meeting and the 34th APHCA General Session.

4. Report of the Secretary

The APHCA Secretary reported on the progress of the APHCA activities:

- Staffing arrangement of APHCA Secretariat remains the same with FAO staff from the livestock group allotting time to do APHCA work on top of its regular program responsibilities. APHCA funds are partially paying the services of one IT staff. A new Senior Animal Production and Health Officer (SAPHO) has joined the livestock group and by tradition the SAPHO becomes the APHCA Secretary. It will be the prerogative of the Assistant Director General to appoint the next APHCA Secretary.
- V. Ahuja, APHCA Secretary and Livestock Policy Officer, gave an update on the dairy projects.
- C. Benigno, Animal Health Officer, referred the members to the report on animal health given during the business session.

5. Financial Situation

V. Ahuja reported on the financial situation of APHCA. APHCA has a cash balance of USD244,399 plus accrued interests of USD 90,133. While APHCA's financial situation remains relatively healthy, the high cost of travel is making a dent on APHCA's working budget hence co-sponsorship of activities as well as other sources of funding need to be explored.

Expenditures last year were limited to about USD 75,000, the amount of which covered for activities already committed like the dairy network and workshops on

bluetongue and brucellosis. The APHCA review was funded from this budget and from regular program funds, hence the ExCom noted the considerable investments made by APHCA and FAO on this activity.

The proposed work for 2012 will entail a budget of USD 100,000 to cover activities on the maintenance of the dairy network (USD 30,000), conduct of brucellosis and bluetongue activities (USD 30,000), APHCA promotion (USD 20,000) and conduct of the APHCA strategy workshop (20,000). The ExCom approved the proposed work budget for 2012.

M. Nunn reported that an EU research group is looking into the possibility of funding and conducting research work in Asia and the Pacific region that would focus on endemic diseases, zoonoses, EIDs, etc. M. Nunn will provide details on the research group.

On another matter, V. Ahuja explained that the contract with the hotel required a no-show payment of one day if the participants do not arrive on the agreed day. Since two participants did not arrive on the scheduled day, a penalty fee of USD 200 would have to be paid to the hotel. V. Ahuja requested for approval to pay the penalty from the APHCA fund. The ExCom agreed to this request.

6. Preparation for the 35th APHCA session

Since the ExCom meeting was held after the 35th business session, this agenda item was rendered moot.

The ExCom noted the election of new ExCom members. Philippines assumes the new chair, Sri Lanka vice chair and countries Bangladesh, Nepal, Myanmar become members of the ExCom. Thailand being last year's chair becomes an *ex-officio* member of the ExCom.

V. Ahuja expressed his appreciation to the tremendous contribution of Thailand to APHCA.

Possible hosts of the next APHCA sessions were discussed. Sri Lanka has confirmed hosting the 36th APHCA session in 2012. Bhutan will confirm hosting the 2013 session.

7. Other business

No other business was discussed. The meeting adjourned at 1700 hours.

35th Session of the Animal Production and Health Commission for Asia and the Pacific

Cebu City, Philippines, 2 and 4 November 2011

Opening Ceremony

The 35th APHCA session was opened by V. Ahuja on behalf of the FAO RAP, E. Nuestro, Director of the Bureau of Animal Industry and D. Catbagan, Assistant Secretary for Livestock of the Philippines Department of Agriculture.

Representatives from 14 member countries (Australia, Bangladesh, Bhutan, Indonesia, Lao PDR, Malaysia, Myanmar, Nepal, Pakistan, Papua New Guinea, Philippines, Samoa, Sri Lanka, Thailand) attended the session.

V. Ahuja, APHCA Secretary, welcomed the delegates and expressed his appreciation for their presence.

The minutes of the 34th APHCA Session were circulated to all delegates. As no comments were made, the Session adopted the minutes.

The Agenda of the 35th APHCA Session was adopted.

The session elected the following members to the Executive Committee.

Chairperson:	Philippines
Vice-Chairperson:	Sri Lanka
Members:	Bangladesh, Samoa, Myanmar
Ex-officio member:	Thailand

The Chair, assisted by the APHCA secretary, presided over the business session.

The APHCA Secretary gave a report of APHCA activities and a report on the financial situation.

The session was informed that a new Senior Animal Production and Health Officer (SAPHO) has joined the livestock group and by tradition, the SAPHO becomes the APHCA Secretary unless the FAO management appoints otherwise.

For the past year, the APHCA Secretariat was run by FAO regular program staff of the livestock group, namely: the Livestock Policy Officer (V. Ahuja) serving as APHCA Secretary, the Animal Health Officer (C. Benigno), the Liaison Officer (V. Songkitti) and the IT clerk (Y. Simuangam). The regular program also has close links with the ECTAD RAP.

Financial Situation

As of January 2011, APHCA cash balance stands at USD 244,399 plus USD 90,133 of accrued interests.

As of October 2011, an amount of USD 57,190.28 has been received and an outstanding payment of USD 27,048.28 is awaited from other countries

APHCA has been undergoing a declining cash balance from 2007 primarily because of an increase in activities of APHCA and also due to rising travel costs.

The full financial report including statement of expenditure appears as Annex 1.

Report of Activities

V. Ahuja reported on the progress of the smallholder dairy development program. There are three projects currently being implemented. These are (i) the smallholder dairy development project covering in Bangladesh, Myanmar and Thailand; (ii) enhancing milk consumption and livelihoods through school milk programs and (iii) the Asia Dairy Network. The general project components include milk production enhancement, milk marketing enhancement, capacity building and information dissemination, project management and monitoring.

Other country TCPs in the pipeline are the cattle and buffalo breeding TCP in Sri Lanka, the Thailand TCP on traceability, and DPRK TCP on integrated crop and pig production.

C. Benigno reported on the activities conducted under the animal health component. The presentation focused on the regional and country projects funded through different funding mechanisms. Some of the beneficiary countries are also members of APHCA.

Regional projects include a regional TCP on assistance to countries for the diagnosis and management of PRRS and other swine diseases, an environmental animal health management initiative to enhance smallholder production in SEA funded by the Italian government and the TADs control for poverty reduction in the GMS countries. Country projects focused on disease specific issues such as FMD, rabies and ERV. The regular program activities also have links with ECTAD RAP projects hence synergizing activities with regards to HPAI and other HPEDs.

APHCA co-funded specific activities on brucellosis and bluetongue. The NIAH, Thailand, is under a brucellosis laboratory twinning program with the OIE reference laboratory in France. A bluetongue diagnosis workshop was also conducted in collaboration with OIE.

The full presentations appear in Annex 2.

The delegate from Malaysia commented that the projects do not cover the geographic areas like the Pacific and that this should perhaps be considered in future planning of activities.

V. Ahuja informed the session, FAO is now working with the sub-regional office located in Samoa and there is some work to be done in Samoa, Solomon Islands and Fiji. Projects however are developed if there are country requests on specific issues.

Proposed Work Plan for 2012

Expenditure using APHCA funds will be limited to USD 100,000. The activities are mainly APHCA commitments already made such as the dairy network. Considerable investments have been made into brucellosis work hence support for this activity will benefit APHCA member countries in the future. APHCA promotion will focus on positioning and branding of APHCA for greater visibility amongst members and future members and donors.

The proposed work plan was submitted and approved by the general session.

Maintenance of the Asia Dairy Network	USD 30,000
Brucellosis/Bluetongue work (with OIE)	
PRRS workshop (with OIE)	30,000
APHCA Promotion, Branding	20,000
Strategy Workshop	20,000
Total	100,000

Review of APHCA Directions and Activities 2003 – 2011

During the 71st APHCA Executive Committee Meeting, a decision was made to assess the impact of APHCA activities, conduct a needs assessment and develop a strategy for APHCA. Dirk Van Aken, contracted to do a review of APHCA gave a comprehensive report during the business session.

Notable points of the review are as follows:

- The APHCA region is home to 2/3 of world's livestock population.
- APHCA's reach and influence goes beyond the direct outputs of activities organized with direct APHCA funding
- APHCA facilitates direct cooperation between countries

- APHCA uses its capacity, influence and credibility under the FAO umbrella to link members to donor agencies
- APHCA's stated functions remain very relevant with highest relevance reflected in joint actions and assistance and information and coordination
- APHCA has the ability to work with other organizations at regional and national level and to leverage input to projects and training workshops
- From country consultations, there is high appreciation of APHCA past and present work

A proposed strategic framework was also presented with the overall objective to contribute to ensuring food and nutrition security in the Asia Pacific region.

The way forward is for APHCA to finalize the identification of priority areas pending the adoption of a longer term strategy. A workshop to develop the APHCA strategy plan is recommended for this purpose.

The consultant presented the following recommendations:

FAORAP Livestock Section:

Involve APHCA in a steering or coordinating role in the design of new projects and use the APHCA label as an argument of credibility and legitimacy in proposing new projects for funding

APHCA Secretariat

Publish APHCA session's decisions and recommendations
Solicit donor funding
Enhance APHCA visibility
Assessment/evaluation of APHCA trainings/workshops
Safeguard institutional memory
Align with request from FAORAP publications committee

APHCA General Session

Agree on selection of priority areas for activities in the coming year, pending adoption of a longer term strategy
Workshops to develop APHCA strategic plan
Discuss enlargement of APHCA membership
Discuss possibility for sending additional participants to trainings
Publishing of inventory of animal production and health services in the region
Propose strengthening secretariat human resource base

The business session adjourned at 1200 hours, 2 November 2011.

Regional Consultation on Livestock Sector Priorities for Asia and the Pacific Region

A Regional Consultation meeting was organized in conjunction with the 35th APHCA session. The purpose of the consultation meeting was to brainstorm and outline elements of a response that can address the challenges faced by livestock sector taking into account the region's socio-economic and cultural dimensions. The meeting comprised leading presentations/lectures on three major themes (i) changing character of Asian food economy and the emerging role of livestock, (ii) emerging structure of livestock production and implications for management of natural resources and the environment, and (iii) complexities of animal-human-ecosystems interface in Asia and the Pacific and the way forward. These presentations were followed by moderated discussions to arrive at a common understanding and appreciation of critical issues. The key recommendations that emerged from this meeting are given below and the presentations are made available in the Annex. 2.

- Asian smallholders have largely been by-passed by the development opportunities created through the rapid expansion in demand for livestock products in the region. The Commission therefore recommends to examine the approaches of national governments, private, civil and international organizations to livestock sector development and to formulate policies and devise strategies that better integrate the smallholder rural majority into national agri-food supply chains.
- The co-existence of traditional and modern livestock production and marketing systems, increasing travel and trade, changing ecologies, and climate change have increased health risks for both animals and humans. The commission welcomed the One Health approach and recommended that regional veterinary laboratory networks establish closer links to global diagnostic networks and that the link between animal and human health laboratory systems be strengthened.
- The dynamics of the Asian food economy is heavily influenced by the emergence of a middle class in China (and to a lesser extent India) exerting immense demands on regional agricultural resources. This development will create new challenges, particularly for smaller countries, but can potentially also make a significant contribution to regional growth and poverty alleviation. In order to capitalize on the foreseeable dynamics of Asian agri-food demand the Commission recommends the promotion of more inclusive regional trade policies.
- As demand growth for livestock products in Asia is likely to be sustained and may even accelerate, the Commission recommends renewed attention to sustainable increases in livestock productivity as otherwise rising food prices may threaten livelihoods across the region. Increasing productivity will require enhanced investment in technical domains of livestock production such as improved feeding, breeding and disease control, in improved systems for technology development and transfer, improved input supply and service provision, as well

as investment in resilience against natural disasters (e.g. floods and drought) and rehabilitation of degraded lands.

Annex 1: Financial Report 2011

Statement of APHCA Account

Funds received	Amount in US dollars
3051 Prior years Contribution Received (up to 31/12/09)	2,218,704
3052 Prior years Interests earned ***	89,450
Total	2,308,154

Sums received from member countries during January 2010 – December 2010	
3051 Contributions received in 2010	127,169
3052 Interests earned in 2010***	683
Total	127,852

Accumulated interest received since APHCA started till 31 Dec. 2010:	89,450	
	683	<i>plus</i>
Total	90,133	

***N.B. Interest, although received into account, CANNOT be spent without approval of members.

Therefore, the project's effective CASH BALANCE is calculated on the contributions
(WITHOUT INTEREST) minus Expenditures.

Expenditures (January - December 2010)	
5011 – Salaries professionals	0
5012 – Salaries GS	12,645
5013 – Consultants	21,751
5014 – Contracts	0
5020 – Locally contracted labour	64
5021 - Travel	93,167
5023 – Training	1,907
5024 – Expendable procurement	12,096
5025 – Non-expendable procurement	0
5026 – Hospitality (at the workshop/training)	0
5028 – General operating expenses	46,247
5040 – General overhead expenses	0
Total	187,878

Cash balance as of 1 January 2011		
Prior years - <i>contributions</i> up to end 2009 (without interest)	2,218,704	
Year 2010 - <i>contributions</i> (without interest)	127,169	
Prior years - <i>expenditures</i> up to end 2009	1,913,596	<i>(minus)</i>
Year 2010 - <i>expenditures</i> up to end 2010	187,878	<i>(minus)</i>
Cash balance: 1 January 2011	244,399	

**Status of Contributions
(As at 30 September 2011)**

(Expressed in US\$)

Member	Outstanding at	Contributor	Received up to	Outstanding at
Governments	31/12/2010	due for	30/09/2011	30/09/2011
Australia	0.00	10,724.00	10,724.00	0.00
Bangladesh	29290	6,502.00		35,792.00
Bhutan	-2128	2,128.00		0.00
India	9.33	10,724.00	10,410.28	323.05
Indonesia	0.00	6,502.00	6,502.00	0.00
Iran	0.00	6,502.00		6,502.00
Korea DPR a/	2128.00	2,128.00		4,256.00
Laos	0.00	2,128.00		2,128.00
Malaysia	0.00	6,502.00	6,502.00	0.00
Mongolia	0.00	2,128.00	0.00	2,128.00
Myanmar	0.00	2,128.00	2,128.00	0.00
Nepal	-2128	2,128.00	2,128.00	-2128
Pakistan	91.15	6,502.00		6,593.15
Papua New Guinea	-4247	2,128.00		-2119
Philippines	0.00	6,502.00	3,610.00	2,892.00
Samoa	0.00	2,128.00	2,182.00	-54
Sri Lanka	25.00	6,502.00	6,502.00	25.00
Thailand	0.00	6,502.00	6,502.00	0.00
Totals	23,040.48	90,488.00	57,190.28	56,338.20**

* NOTE: Scale of Contributions for 2011 was approved at the 34th APHCA Session Meeting, held in Phuket, Thailand, from 25-27/10/2010

** A Journal Voucher, raised to post \$167.59 for 2008 bank charges adjustment is not yet posted in the GL; once approved, the Total Contribution Received will be US\$ 57,357.87 (i.e. US\$57,190.28 + US\$167.59)

a/ Korea DPR became a member of APHCA effective 2010

Scale of Contributions for 2012*/

(Expressed in US\$)

Country	Amount
Australia	10,724
Bangladesh	6,502
Bhutan	2,128
India	10,724
Indonesia	6,502
Iran	6,502
Korea DPR **	2,128
Laos	2,128
Malaysia	6,502
Mongolia	2,128
Myanmar	2,128
Nepal	2,128
Pakistan	6,502
Papua New Guinea	2,128
Philippines	6,502
Samoa	2,128
Sri Lanka	6,502
Thailand	6,502
Total	90,488

Note: * This scale of contributions has been effective since 2003.
 ** Korea DPR became a member of APHCA effective 2010

Annex 2: Presentations

Day 1 (2 November 2011)

Activity Report 2010 – 2011 (*Vinod Ahuja*)

The 35th Session / the 72nd Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Activity Report 2010 - 2011

Vinod Ahuja
Livestock Policy Officer
and Secretary of APHCA a.i.

The 35th Session / the 72nd Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Staffing

- Hans Wagner – Senior Animal Production and Health Officer – NTE June 30, 2010
- Joachim Otte – Senior Animal Production and Health Officer – EOD October 20, 2011
- Carolyn Benigno – Animal Health Officer
- Vinod Ahuja – Livestock Policy Officer
- Vishnu Songkitti – Liaison Officer for APHCA (local)
- Tuanchai Laisakun – Secretary (local)
- Yupaporn Simuangnam – Assistant (local)
- RAP-ECTAD – Headed by S. Morzarla

The 35th Session / the 72nd Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Financial situation

- The cash balance as of 01.01.2011
US\$ 244 399
+US\$ 90 133 interests

Contributions received during 2011 (up to Sep):
57190.28
Contributions outstanding : 27048.28

The 35th Session / the 72nd Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Financial situation: A Historical Analysis

Declining cash balances indicate an active APHCA and many stakeholders

A number of activities co-financed by FAO IR* and other partners

Legend: Accumulated interest (blue line), Cash balance (green line with markers)

The 35th Session / the 72nd Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Contributions and expenditures 2000-2011

Contributions of approx \$30000 will be expected by Sep and Dec 2011

Legend: Contributions (red line), Expenditure (blue line)

The 35th Session / the 72nd Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

- Contributions awaited from Iran, DPRK, Laos, Bangladesh, Pakistan and Philippines

The 35th Session / the 73rd Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Expenditures

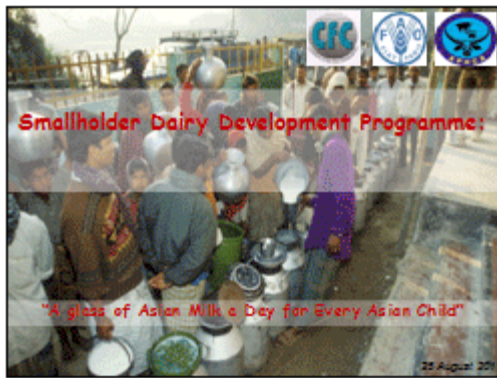
Category	2009	2010	2011
Salaries Professional	-	-	-
Salaries GS	5391	12645	34054
Consultants	-2261	21,751	21325
Contracts	-	-	21632
Locally contracted labour	595	54	-
Travel	52,073	93,167	-
Training	19,735	1927	-
Expansible procurement	-1760	12,095	-
Non-expansible procurement	2383	-	-
Hospitality	-	-	-
General Operating expenses	8941	46,247	152
Total	59102	167,676	56727

PHO's estimated contributions:
Approx. \$ 167, 600 per year

The 35th Session / the 73rd Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Activities: 2010-11

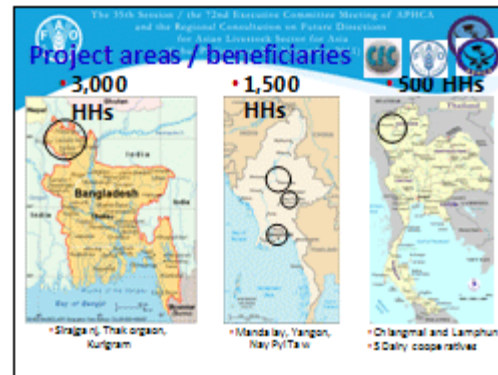
Review of APHCA Activities and Recommendations for Strategic Directions



The 35th Session / the 73rd Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Smallholder Dairy Development Programme (SDDP) – 3 projects

- "Smallholder Dairy Development in Bangladesh, Myanmar and Thailand: Improving the Bargaining Power and Sustainable Livelihoods through the Enhancement of Productivity and Market Access in Dairy" (NTP/RAS/CFC/259)
- "Enhancing Milk Consumption and Livelihoods through School Milk Programmes Linked to Smallholder Dairy Operations" (TCP/RAS/2508 (D))
- "Asia Dairy Network" funded by APHCA



The 35th Session of the 72nd Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Animal Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Project Components

1. Milk Production Enhancement
2. Milk Marketing Enhancement
3. Capacity building and information dissemination
4. Project management and monitoring


The 35th Session of the 72nd Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Animal Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Problems / needs identified

- Feed and feeding management
- Low quality of feed and forage crops
- Improvement of reproductive efficiency
- Rearing of replacement herd
- Management of heat stress and environmental effects on milk productivities
- Dairy herd health management and services
 - Hoof management
 - Udder health management of milk quality

Production and preservation of high quality forage crops (grass)

- 1) Training (leading farmer training / outreach training)
- 2) Introduction and demonstration of high quality grass
- 3) Grass production business
- 4) Mobile team for improving grass production (feed and feeding)








The 35th Session / the 72nd Executive Committee Meeting of APHCA and the Regional Consultative on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Mobile dairy extension team

- Veterinarian (by Cooperative)
- Animal husbandry assistant (by Cooperative)
- Dairy extension staff (by the project)

TORs:

- Provide advice on dairy herd health management
- Regular visits at dairy farms
- Indicators of milk quality have been set (protein, fat, total solid, SNF, SCC, bacteria count, etc.)

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The 35th Session / the 72nd Executive Committee Meeting of APHCA and the Regional Consultative on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Milk Producers' Organization / Cooperative

Dairy Cooperative

Grameen's livestock group

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The 35th Session / the 72nd Executive Committee Meeting of APHCA and the Regional Consultative on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

2) Milk Marketing Enhancement

29

2) Milk Marketing Enhancement

- 1) Cheese processing, marketing, and training at DTC
- 2) Various dairy products by Dairy Cooperatives (yogurt, ice cream, etc)

30



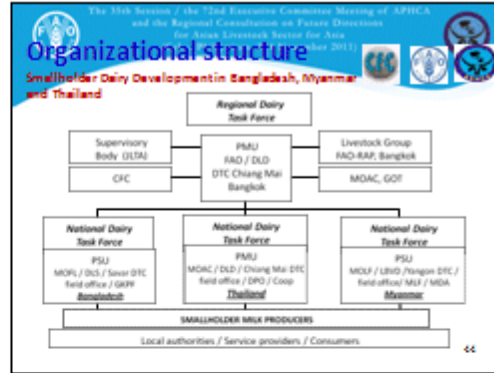


The 35th Session / the 72nd Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Training needs identified

- Milk quality testing and control
- Ice cream, Yogurt, butter making
- Cheese making
- Dairy economic and business development
- Etc.

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The 35th Session / the 72nd Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Activities: 2010-11

Other country TCPs

- Cattle and buffalo breeding TCP in Sri Lanka

Requests received

- Thailand—TCP on traceability
- North Korea—TCP on integrated crop and pig production systems

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The 35th Session / the 72nd Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Activities: 2010-11

Global agenda of action for sustainable livestock development

Brasilia Consensus

Next meeting in Phuket (Dec 1-4, 2011)

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The 35th Session / the 72nd Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

TCDC

Instrument established to allow exchange of expertise amongst countries.

- Emergency assistance (US\$1,700) in 2011 for use to contain the FMD outbreak in Rakhine state of Myanmar.

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The 35th Session / the 72nd Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Activity Proposal: 2011-12

- APHCA Branding and Positioning
- Reworking of APHCA Website
- Continued support for Asia Dairy Network: \$30,000

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Report of Activities under the Animal Health Component of APHCA (Carolyn Benigno)

The 35th Session / the 73rd Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Report of Activities under the Animal Health Component of APHCA

Carolyn Benigno
Animal Health Officer
FAO Regional Office for Asia and the Pacific
Bangkok, Thailand

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The 35th Session / the 73rd Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

FAO Goals, Strategic Objectives

- FAO Goals:
 - reduction of absolute number of people suffering from hunger
 - elimination of poverty
 - sustainable management and utilization of natural resources.
- 11 strategic objectives with each objective focused on an agricultural sector
 - increased sustainable livestock production
 - reduced animal diseases and associated human health risks.

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Reduced animal diseases and associated human health risks

Focused on understanding the occurrence of TADs and other EIDs in Asia, to better respond to the control of the priority TADs and other EIDs in the region

- Capacity building on disease data analysis
- Assistance to develop animal health plans
- Extension advice

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- Regional Projects/Activities
- Country Projects
- Projects under ECTAD
- Joint FAO-OIE activities

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Regional activities

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(1) TCP/RAS/3215 Assistance on diagnosis and management of porcine reproductive and respiratory syndrome (PRRS) and other swine diseases to improve swine health status in selected countries



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Review on FMDs control

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(2) GCP/RAS/244/ITA Sub-Regional Environmental Animal Health Management Initiative for Enhanced Smallholder Production in South-East Asia

- Cambodia, Lao PDR, Philippines, Myanmar, Vietnam
- Promote an interdisciplinary, holistic approach to animal health management for enhanced, environmentally-friendly forms of livestock production.
- aimed at reducing disease transmission risks from animal to animal and animal to human.

Features: Development of information technology capacity is of critical importance to SAHM Animal Health Management

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(B) GCP/RAS/233/ASB: TADs Control for Poverty Reduction in the Greater Mekong Subregion

- Defined and targeted disease control approaches
- A better understanding of animal movement and livestock trade
- Policy recommendations on FMD control
- Trade facilitation

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Regular Program Focus

- Regional collaboration
- Supplemented capacity building on data analysis
- Develop technical/policy briefs resulting from the projects (PRRS, FMD and vaccination, biosecurity)
- Guidelines/manual on swine biosecurity, field surveillance, control of specific diseases

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Country Projects

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TOP/RIH/2204 (E) EMERGENCY ASSISTANCE FOR EARLY DETECTION, RESPONSE AND CONTROL OF ISOLA RESTORVIRUS IN SWINE AND OTHER SWINE SPECIES IN THE PHILIPPINES

Conclusions:


- More studies on the presence and distribution of ISRV and other swine diseases
- Conduct a third bat surveillance
- Strengthen Farm biosecurity
- Multisectoral linkage a, collaboration, coordination and partnership across stakeholders

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TCP/SHU/3301 Risk based strategies for the control of emerging strains of FMD virus in Bhutan

- A study on the epidemiology of the disease in Bhutan
- Surveillance design and implementation
- Strengthened Laboratory capacity
- Revised national FMD Control Plan



Market chain study
Surveillance design
Vaccination study

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Rabies

TCP/INS/3302 Enhanced coordination of control efforts, capacity building, awareness raising and rapid outbreak response to control rabies in Bali, Indonesia


- An effective program coordination and facilitation mechanism
- Improved surveillance, response and control mechanisms
- Advocacy and coordination of rapid and accurate rabies diagnosis
- Community awareness
- Capacity of animal health staff to better manage rabies control
- A revised national rabies control and eradication strategy




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TCP/BGD/3302 Establishment of Livestock Health Care System at Kotlipara and Tungipara Upazilas in the Gopalganj District



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ECTAD Projects

- USAID Project on HPAI Control (countries in South and Southeast Asia)
- EU-HPED Programme
Improvement of regional capacities for prevention, control and eradication of HPEDs in ASEAN and SAARC
- DAFF
OSRO/GLO/102/AUL Partnership on global animal health and biosecurity initiatives
- ROK: GCP/RAS/283/ROK FMD control in Southeast Asia through application of the Progressive Control Pathway

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Joint FAO-OIE Activities

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CMC-AH Control Management Centre for Asia

FMD control Assistance

CONTRACT FOR FMD CONTROL ASSISTANCE



Mongolia



DPRK


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The 35th Session of the 7th Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Brucellosis diagnosis and control

Regional Collaboration on Brucellosis Diagnosis and Control.

The Brucellosis Laboratory of the National Institute of Animal Health, Department of Livestock Development (NIAM-DLD), Thailand is in the twinning programme with the World Reference Laboratory for Brucellosis in France.



FAO-APHCA and OIE will support this programme and strengthen:

- the twinning activities of the Thai and the French labs.
- the ring trial tests within the region using the NIAH-DLD Brucella antigen for Rose Bengal Test.
- QA and QC of the NIAH-DLD lab toward the upgrading of this lab as a reference laboratory of Brucellosis (in collaboration with MAP-ECTAD).


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The 35th Session of the 7th Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Brucellosis diagnosis and control

The 3rd FAO-APHCA/OIE Regional Workshop on Brucellosis Diagnosis and Control (with an emphasis on Brucella melitensis), in collaboration with the Thai Department of Livestock Development.

This workshop was organized in Subhothai and Phitsanulok Provinces, Thailand, between 21 and 26 November 2010.



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Bluetongue diagnosis and control

- The OIE/FAO-APHCA Regional Workshop on Bluetongue Diagnosis and Control (for selected member countries), in collaboration with the BALIVET/Government of Indonesia.
- Held in March 2011

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Proposed Focused Areas for 2012-2013

- Promotion of multisectoral collaboration, coordination and partnerships (ie. regional projects and country projects)
- Investments in human and capital resources to enhance countries' capacities on early warning, early detection and early reaction (capacity building activities on laboratory and field surveillance; vaccination, movement management)
- Evidence based decisions through development of technical briefs/ conduct of studies (lessons from EAHMI, ERV, Bhutan FMD, etc)
- Promotion of APHCA and its works

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Proposed Activities per Focus Area

- Promotion of multisectoral collaboration, coordination and partnerships (ie. regional projects and country projects)
 - Joint activities with OIE (Brucellosis, Bluetongue, PRRS: from APHCA funds)
 - Joint activities or leverage APHCA with other ECTAD projects (eg. EU-HPED)
 - More active participation of APHCA in the GF-TADs meetings (APHCA funds/travel)
 - RP: Activities with OIE on FMD, PRRS, Rabies

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Proposed Activities per Focus Area

- investments in human and capital resources to enhance countries' capacities on early warning, early detection and early reaction
 - Outbreak investigation and management training and exercise
 - RP: Cost effective surveillance

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Proposed Activities per Focus Area

- Evidence based decisions through development of technical briefs/conduct of studies (brucellosis, bluetongue, etc.)
 - Brucellosis: looking at burden of disease (prevalence, surveillance, control, diagnosis)
- Promotion of APHCA and its works
 - Development of APHCA brochure/posters and other information materials
 - Develop displays in scientific conferences
 - Publications

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- Issue after the Review:

Strategy workshop: Putting the strategy into action (can be amongst executive committee members.) ????

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Budget

- Brucellosis/Bluetongue work – USD 30000
- Strategy workshop 20000
- APHCA promotion 20000
- TCP Facility

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Thank you....



Review of APHCA Directions and Activities 2003-2011 (*Dirk Van Aken*)

The 35th APHCA Session
Cebu, Philippines, 2-4 November 2011

Review of APHCA Directions and Activities 2003-2011

Dirk VAN AKEN

1

The 35th APHCA Session
Cebu, Philippines, 2-4 November 2011

Presentation Outline

- Background
- Objectives
- Methodology
- Findings
- Draft Strategy
- Conclusions and Recommendations

APHCA Review 2011

2

The 35th APHCA Session
Cebu, Philippines, 2-4 November 2011

Background

- APHCA
 - Statutory Body of FAO
 - Regional Technical Commission in FAORAP
 - Established 1975
 - Membership: 18

APHCA Membership

APHCA Review 2011

3

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Cebu, Philippines, 2-4 November 2011

The APHCA region

APHCA Review 2011

4

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2/3 of the world's farm animal population

Cattle 40%

Small Ruminants 65%

Pigs 82%

Poultry 82%

Buffalo 80%

APHCA Review 2011

5

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APHCA Stated Purposes

- Promote livestock development, research and action
- Collective self reliance and mutual assistance
- Promote livestock production as an industry and as part of the farming system
- Raise level of nutrition and standard of living of small farmers and rural communities

APHCA Review 2011

6

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Cebu, Philippines, 2-4 November 2011

Organisational Structure

- Executive Committee
 - Chairperson
 - Vice Chairperson
 - 3 Committee Members
 - Immediate Past Chairperson ex officio
 - Secretary
- Delegates
- National Focal Points
- Secretariat - FAORAP Livestock Group

APHCA Review 2011

The 35th APHCA Session
Cebu, Philippines, 2-4 November 2011

Objectives of the review

71st APHCA Executive Committee Meeting (2010)

- Assess impact of APHCA activities
 - > appreciation of activities 2003-2011
- Needs assessment
 - > redefine priority areas set in 2003
- Develop strategy
 - > How to progress in the coming decade

APHCA Review 2011

The 35th APHCA Session
Cebu, Philippines, 2-4 November 2011

Methodology

- Desk study
 - > evaluation questions and judgment criteria
(Relevance, Efficiency, Effectiveness, Impact, Sustainability)
- Questionnaire
 - > all members
- Consultations
 - > Lao PDR, India, Sri Lanka, Thailand, Philippines
 - > FAORAP

APHCA Review 2011

The 35th APHCA Session
Cebu, Philippines, 2-4 November 2011

Review of activities

Session Reports / Documents at Secretariat

- > APHCA's reach and influence goes beyond the direct outputs of activities organized with direct APHCA funding
- > Catalyst for regional activities funded by other sources
- > Facilitation of direct cooperation between members
- > Smallholder dairy development
- > APHCA using its capacity, influence and credibility under the FAO umbrella to link members to donor agencies

APHCA Review 2011

The 35th APHCA Session
Cebu, Philippines, 2-4 November 2011

Questionnaire consultation

Views and comments of members on:

- Relevance of the functions of APHCA
- APHCA activities from 2004 to 2011
- Identification of new priority areas
- Strengths, weaknesses and opportunities of for APHCA
- Organizational issues

APHCA Review 2011

The 35th APHCA Session
Cebu, Philippines, 2-4 November 2011

Relevance of the functions of APHCA

- Stated functions remain very relevant:
 - Joint Action and Assistance
 - Information and Coordination
 - Cooperation
- Highest relevance:
 - Joint Action and Assistance:
 - Animal Production
 - Educational Programmes
 - Information and Coordination:
 - Dissemination of info on Animal Production
- Ability to work with other organizations at regional and national level and to leverage input to projects and training workshops

APHCA Review 2011

The 35th APHCA Session
Cebu, Philippines, 2-4 November 2011

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APHCA Review 10/11

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Cebu, Philippines, 2-4 November 2011

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APHCA Review 10/11

The 35th APHCA Session
Cebu, Philippines, 2-4 November 2011

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APHCA Review 10/11

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Cebu, Philippines, 2-4 November 2011

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APHCA Review 10/11

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Cebu, Philippines, 2-4 November 2011

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APHCA Review 10/11

The 35th APHCA Session
Cebu, Philippines, 2-4 November 2011

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APHCA Review 10/11

The 35th APHCA Session
Cebu, Philippines, 2-4 November 2011

Organizational issues -2

Strengthening the APHCA Secretariat

APHCA Agreement: FAO provides Secretary & Secretariat
2010: deleted "should be a veterinarian"
Senior APH officer on part time basis
FAORAP Livestock Group: no TOR; overload

Members agreed that APHCA should expand its scope and this would require increased capacity in the Secretariat

- 7 - secretary full time
- 7 - assistant to Senior APH officer

Main add'l tasks: management (day to day; project);
seek donor funding; visibility

APHCA Review 10/11 28

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Consultations in Member Countries - 1

India, Lao PDR, Sri Lanka, Thailand, Philippines

- ✓ High appreciation of APHCA past and present work
- ✓ Importance of spin-offs
- ✓ Increased membership would strengthen APHCA and increase transparency in livestock sector in the region
- ✓ APHCA to attract donor funding
- ✓ APHCA to involve at the level of SAARC and ASEAN

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Cebu, Philippines, 2-4 November 2011

Consultations in Member Countries - 2

- ✓ APHCA's role
 - advisory, policy advocacy
 - forum for sharing knowledge and information on regional resources, opportunities and requirements among members
 - Coordinator/facilitator/interlocutor for contacts between members and other organisations

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Consultations in Member Countries - 3

- ✓ Suggested areas for future work for APHCA
 - animal production and diseases other than TADs
 - food security and safety
 - dairy production and processing
 - small ruminant production
 - identification and traceability
 - fodder and feed production
 - environmental issues (especially animal waste)

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Cebu, Philippines, 2-4 November 2011

Consultations with FAO-RAP

- ✓ Relevance of APHCA is duly recognized
- ✓ Importance of APHCA is increasing in light of FAO reform
- ✓ APRC has become FAO governing body
 - ✓ Decisions and recommendations from APHCA sessions will have further reaching influence on the work of FAORAP
- ✓ Specific recommendation of 30th APRC (2010) to work on food security and nutrition

APHCA Review 10/11 28

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Cebu, Philippines, 2-4 November 2011

Conclusions - 1

Relevance (to Members, in context of regional development)

- Region's global importance
- High level technical forum on AHP
- Very relevant to its members
- Ability to leverage
- Highly relevant to FAORAP

APHCA Review 10/11 28

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Cebu, Philippines, 2-4 November 2011

Conclusions - 2

Efficiency *(how well inputs have been utilized)*

- > Wide range of activities implemented limited resources
- > High commitment of Secretariat
- > Ability to leverage funds well recognized by Members
- > Recognized limitation: no permanent staff at Secretariat
- > Suggestion for better follow up on trainings/workshops
- > Interruption in publication of Session Reports (2008-2010)

APHCA Review 10/11 28

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Cebu, Philippines, 2-4 November 2011

Conclusions - 3

Effectiveness *(contribution to realizing APHCA's objectives)*

- > Activities have helped to build closer ties between livestock departments of the Asia-Pacific Region
- > Earned recognition as highly valued informative and consultative forum among members
- > Relationships, understandings and trust that have been built among delegates and Secretariat are important benefits that underpin effective communication and collaboration
- > Value for money

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Conclusions - 4

Impact of APHCA *(which outcomes have been produced)*

- > Reputation as advocacy body for regional livestock policy makers and industry stakeholders
- > Spin-offs from APHCA are well recognized appreciated
- > Impact seems to have become less visible in spite of large number of activities implemented
- > Need to strengthen image and visibility

APHCA Review 10/11 30

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Cebu, Philippines, 2-4 November 2011

Conclusions - 5

Prospects for Sustainability

- > The only RTC with its own trust fund
- > APHCA works under FAO umbrella
- > APHCA should capitalize on its credibility as a well-established regional technical commission to solicit funds for future activities

APHCA Review 10/11 31

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Cebu, Philippines, 2-4 November 2011

APHCA Strategy - 1

In line with:

- FAO Strategic Framework 2010-2019
"Increased sustainable livestock production" (SO-B)
 - > food security, poverty reduction, economic development
 - > reduced animal disease and public health risk
 - > natural resource management, incl. genetic resources
 - > livestock sector policy guidance
- APRC recommendation
 - > food security and nutrition

APHCA Review 10/11 32

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APHCA Strategy - 2

✓ Focus:

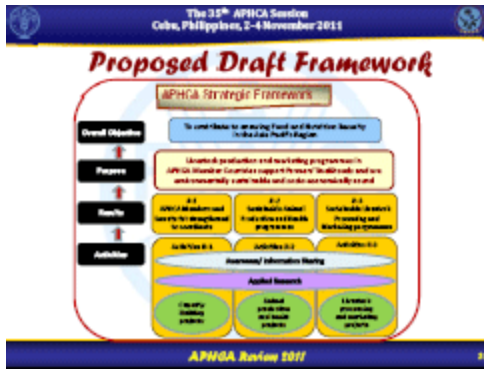
- ◊ Animal Production
- ◊ Diseases with impact on production
- ◊ Environmental aspects
- ◊ Socio-economic issues; smallholders

Cross-cutting:

- ◊ One Health

Activities agreed by APHCA membership

APHCA Review 10/11 33



- The 35th APHCA Session
Cebu, Philippines, 2-4 November 2011
- ### Development of the Framework
- Identification of priority areas
 - Planning session during APHCA activities in 2012
 - Finalisation and agreement on framework
 - Framework presentation document
 - Follow up and participation in calls for proposals from international donors
 - Propose APHCA as programme implementer under new donor funding mechanisms
- APHCA Review 1011

- The 35th APHCA Session
Cebu, Philippines, 2-4 November 2011
- ### Recommendations to FAORAP Livestock Section
- Involve APHCA in a steering or coordinating role in the design of new projects and use the APHCA label as an argument of credibility and legitimacy in proposing new projects for funding
- APHCA Review 1011

- The 35th APHCA Session
Cebu, Philippines, 2-4 November 2011
- ### Recommendations to APHCA Secretariat
- Publish APHCA Sessions decisions and recommendations
 - Solicit donor funding
 - Enhance APHCA visibility
 - Assessment/evaluation of APHCA trainings/workshops
 - Safeguard Institutional memory
 - Align with request from FAORAP
 - Publications Committee
 - Information Office
- APHCA Review 1011

- The 35th APHCA Session
Cebu, Philippines, 2-4 November 2011
- ### Recommendations to APHCA General Session
- Agree on selection of priority areas for activities in the coming year, pending the adoption of a longer term strategy
 - Workshops to develop APHCA Strategic Plan
 - Discuss enlargement of APHCA; invite new members
 - Discuss possibility for sending add'l participants to trainings
 - Publishing of Inventory of APH services in the region
 - Propose strengthening Secretariat human resource base
- APHCA Review 1011

The 35th APHCA Session
Cebu, Philippines, 2-4 November 2011

>>> **APHCA** <<<

- **Strength**
 - Relevance, appreciation, respect
 - Potential
- **Needs**
 - Profiling and Visibility
 - Programme Approach
- **Prioritisation**
 - Agree on Priority Areas
 - Direction and Resources (financial, human resources)

APHCA Review 2011

The 35th APHCA Session
Cebu, Philippines, 2-4 November 2011



Thank you

In Search of Sustainability Towards Building an Action Agenda for Asian livestock (Vinod Ahuja)

The 35th Session / the 7th Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

In Search of Sustainability

Towards building an action agenda for Asian livestock sector

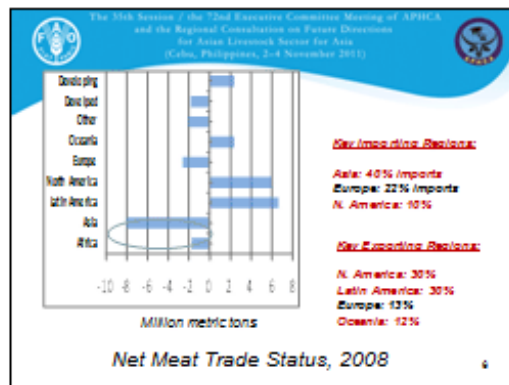
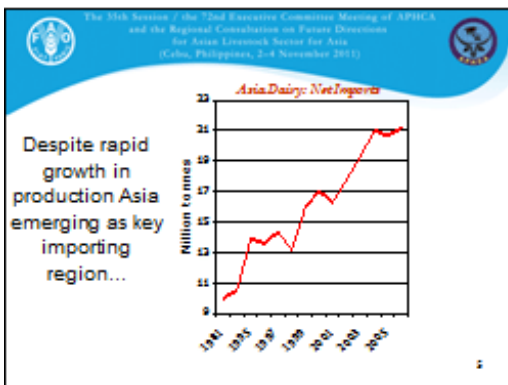
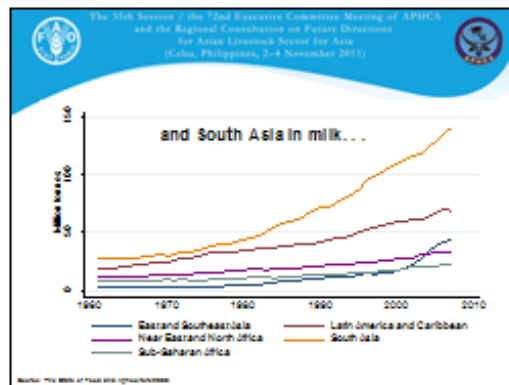
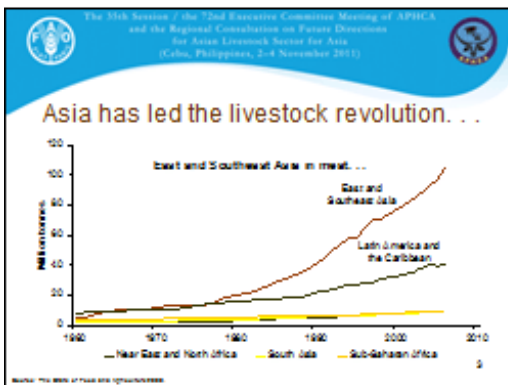
Cebu, November 2, 2011

Vinod Ahuja
Livestock Policy Officer
FAO Regional Office for Asia and the Pacific
Bangkok, Thailand

The 35th Session / the 7th Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Importance of livestock

- Large, growing, dynamic sector
- Public goods at risk
 - Livelihoods and food security
 - Natural resources and the environment
 - Animal diseases and human health
- Needs better policies, institutions and regulations
- Conflicts and trade-offs



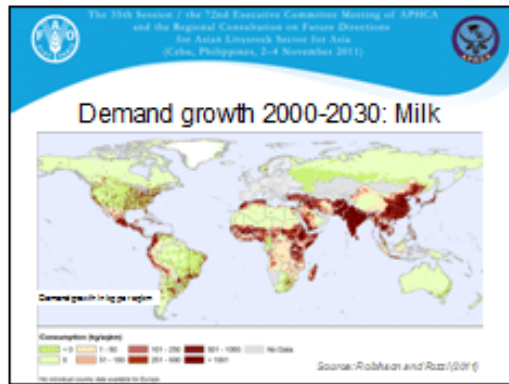
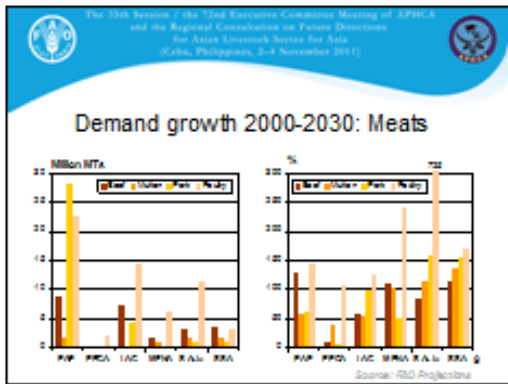
The 35th Session / the 72nd Executive Committee Meeting of APHCA and the Regional Consultative on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

and the demand growth expected to continue

7

The 35th Session / the 72nd Executive Committee Meeting of APHCA and the Regional Consultative on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

8



The 35th Session / the 72nd Executive Committee Meeting of APHCA and the Regional Consultative on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

The Feedgrain challenge

- Meat production growth, mainly pigs and poultry, exceeding feed growth raising questions about long term sustainability of feed supplies
- China to increase maize production at the rate of about 2.3 percent but net imports to balloon
- Thailand and Vietnam to also emerge as major importers of feed ingredients

11





- The 15th Session / the 7th Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)
- ### Drivers of growth
- Increased disposable incomes
 - Urbanization
 - Animal numbers more than productivity
 - Cheap feed and fuel
 - Economies of scale
 - Technological innovation

- The 15th Session / the 7th Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)
- ### ... and structural change
- Vertical integration and global supply chains
 - Geographic concentration
 - Higher food safety and animal health standards
 - A widening dichotomy

- The 15th Session / the 7th Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)
- ### Barriers for small-holders
- Missed by the "livestock revolution"
 - Obstacles to formal markets
 - economies of scale
 - product quality and safety
 - remoteness
 - access to knowledge and information
 - lack of bargaining power and "voice"

- The 15th Session / the 7th Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)
- ### Livelihoods and food security
- Livelihoods
 - 1 billion people keep livestock
 - 80 percent of rural households
 - livestock have multiple functions
 - Food supply
 - 15 percent of dietary energy
 - 25 percent of protein supply

- The 15th Session / the 7th Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)
- ### Food security: what can we do?
- Support smallholders
 - policy and institutional reform
 - capacity building
 - technological innovation and
 - investment
 - Recognize and protect the safety-net role played by livestock
 - Ease transition out of the sector

The 35th Session / the 7th Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Environment: why livestock are different from crops?

- Livestock use more land
- Livestock food chains are longer – and entail efficiency losses
- Livestock move
- Livestock production systems are mobile

19

The 35th Session / the 7th Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Natural resources and the environment

- 30 percent of all land
- 80 percent of agric. land
- 8 percent of global freshwater resources
- 18 percent of GHG emissions

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The 35th Session / the 7th Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Environment: Key concerns

- Increasing concentration and longer livestock food chains
- Competition for resources (land and water) for feed production
- Difficulties in regulation due to mobility of livestock and production systems
- Climate change

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The 35th Session / the 7th Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Environment: what can we do?

- Correct market distortions and policy failures
 - regulatory frameworks
 - payment for environmental services
 - other market-based mechanisms and institutions
 - taxes and fees
- Technology to increase resource use efficiency
- Certification and labeling schemes

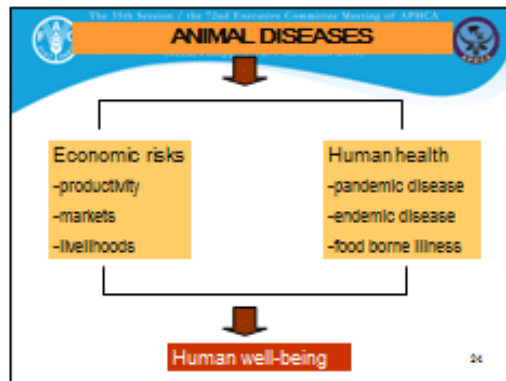
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Increasing animal disease risks

- Co-existence of traditional and modern livestock production
- Increasing travel and trade
- Climate change and changing ecologies

23



The 35th Session / the Third Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Animal and human health: what can we do?

- Manage the location of livestock
- Early warning systems
- Engage the poor
- Multi-disciplinary integration of approaches (eg. One Health)

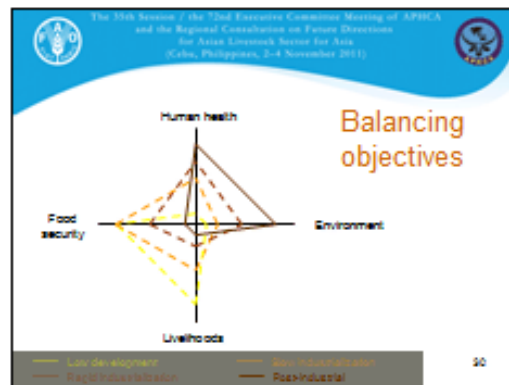
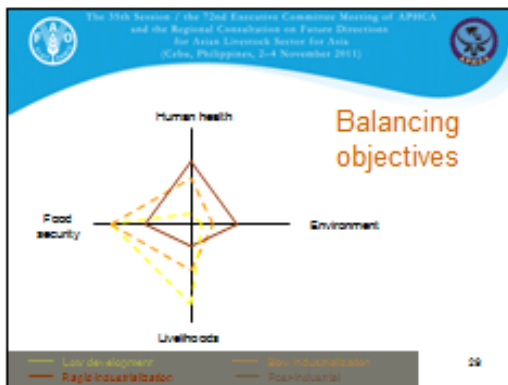
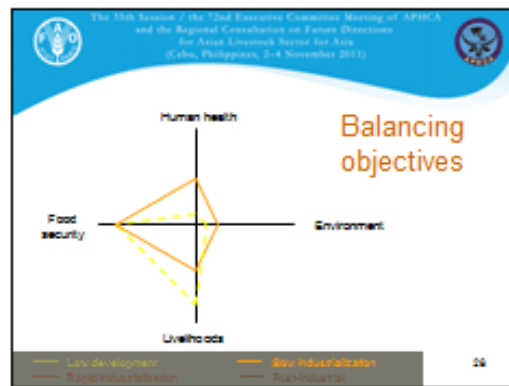
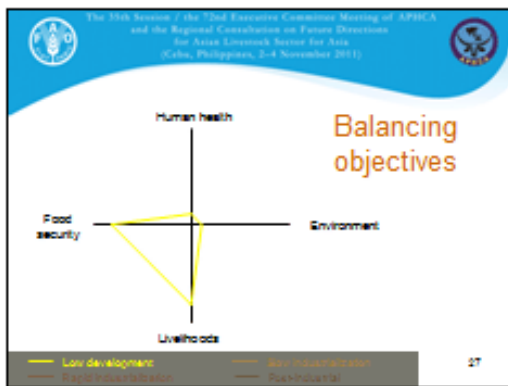
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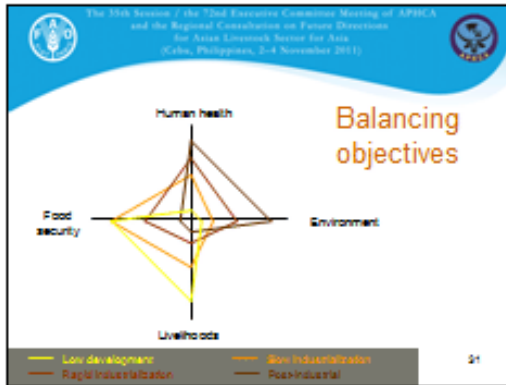
The 35th Session / the Third Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Balancing objectives

- Livelihoods
- Food security
- Environment and natural resources
- Human health

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The 35th Session / the Third Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Building a global agenda of action for sustainable livestock

22

- The 35th Session / the Third Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)
- First steps**
- COAG 2010 and side-event (June 2010)
 - Side meeting at The Hague Conference and Agriculture and Climate Change (November 2010) of the "dialogue group"
 - Extra-budgetary support from the Netherlands (380,000\$)
- 23

- The 35th Session / the Third Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)
- COAG Recommendations**
- COAG reaffirmed the crucial role of livestock in food security and livelihoods.
 - COAG confirmed that FAO is in a position to address in a balanced and holistic manner the complex social, economic and environmental issues and trade-offs associated with the sector.
 - COAG agreed that FAO actively engage in consultations to continue the global dialogue with a wide range of stakeholders to sharpen the definition of the sector's objectives. Such consultations should help identify issues that could require intergovernmental action.
- 24

- The 35th Session / the Third Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)
- The Brasilia Consensus**
- Agreed on an initial **focus**: livestock's resource use – social and health aspects to be incorporated
 - Agreed on the **nature** of the agenda: open, consensual, action-oriented, multi-stakeholder
 - Agreed on the **functions** of the agenda: analysis, information, capacity building, piloting, advocacy
- 25

- The 35th Session / the Third Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)
- Further contributions**
- Additional NL funds 270,000 \$
 - Switzerland: 1.6 million to RP (SO B OO 03 and OO 04)
- 26

The 35th Session / the 33rd Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Towards a Phuket Consensus

- Thematic areas need to be identified, boundaries drawn and broad objectives
- Stakeholders contributions and actions, collectively and separately
- Rules of engagement, form of management and oversight
- Next steps towards the launch of the agenda of action

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The 35th Session / the 33rd Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Moving to a new global Narrative

- The livestock sector will grow but that growth will need to be "green"
- The livestock sector offers great opportunities for better resource management and development
 - Livestock resource use is high and will be lowered - efficiency
 - Restoring value to grasslands

28

The 35th Session / the 33rd Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

An emerging consensus

- Curbing demand is difficult and slow, ethical problems
- Business as usual not an option either
- Large efficiency gains can be realized, and sector growth can be "accommodated". Requires:
 - Alignment of incentives
 - Rapid change of practices
 - Continued technological innovation
 - Development of institutions
- Large potential for the provision of environmental services (carbon sequestration, biodiversity, water)

29

The 35th Session / the 33rd Executive Committee Meeting of APHCA and the Regional Consultation on Future Directions for Asian Livestock Sector for Asia (Cebu, Philippines, 2-4 November 2011)

Where fits Asia?

and

Where fits APHCA?

30

Day 2 (3 November 2011)


One Health: Moving from Concept to Action (W. Kalpravidh)

One Health
Moving from **Concept** to **Action**



FAO Regional Office for Asia and the Pacific




INTRODUCTION





Global Framework for Progressive Control of Transboundary Animal Diseases (GF-TADs)



GF-TADs GOAL

Safeguard the livestock industry in both the developed and developing world from repeated shocks of infectious diseases

GF-TADs

- Joint OIE/FAO initiative combining the strengths of both the organizations to achieve common objectives
- Facilitate mechanism to empower Regional alliances in the fight against TADs
- Provide for capacity building and assist in establishing programmes for the specific control of certain TADs and EIDs based on Regional priorities
 - SE Asia – HPAI, FMD, CSF
 - South Asia – HPAI, FMD, PRR
 - SPC – HPAI, FMD, CSF (disease emergency preparedness)
- An evolving framework, a global partnership and a bottom up national/regional approach

Increasing awareness of issues and impacts

- Food security
 - diseases are a direct threat to livestock
 - source of cheap animal protein depleted in urban areas
- Poverty reduction
 - poor small holder farmers are still predominant in the region
- Human health risks (e.g. Food safety)
 - public health concerns
- Trade/ Economics
 - lost opportunity for local, regional and global trade
 - global livestock industry threatened


CONSISTENT WITH THE MDGs




Builds on HPAI lessons learned...



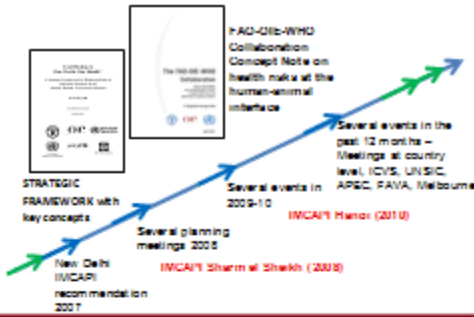
- > Disease and poverty
- > Disease and livelihoods
- > Role of wildlife
- > Disease ecology
- > Cross-sectoral collaboration
- > Communication
- > Political commitment





One Health

The Concept

FAO-OIE-WHO Collaboration Concept Note on health risks at the human-animal interface

STRATEGIC FRAMEWORK with key concepts

Several planning meetings 2008



New Delhi IMCARI recommendation 2007

IMCARI Sharm el Sheikh (2008)




Several events in 2009-10

IMCARI Hanoi (2010)

Several events in the past 12 months – Meetings at country level, ICVS, UNSIC, APEC, FAVA, Melbourne

- **Goal**
 - Diminish and minimize the global impact of epidemics and pandemics due to EIDs of humans and animals
- **Broader vision**
 - Public health and food safety
 - Food security
 - Livelihoods
- **Focus**
 - High Impact rEIDs
 - At the animal-human-ecosystems interface

Major thrusts/objectives



1. Preventive action and root cause and drivers
2. Building more robust public and animal health systems (IHR 2005, OIE Standards)
3. Strengthening the national and international emergency response capabilities
4. Getters addressing the concerns of the poor:
 - developed to developing economies
 - potential to actual disease problems
 - focusing on locally important diseases
5. Promoting cross sectoral and multi-disciplinary approach
6. Conducting strategic research








One Health

Putting into Action

FAO's role in OH

- **FAO seeks to operationalise thinking that disease emergence needs to be addressed together with:**
 - Challenges of poverty
 - Natural resource management
 - Sustainable agriculture and farming systems
 - Rural development
 - Building generic One Health capacity
 - Blending insights gained from epidemiology, agro-ecology, socio-economics and communication

FAO Goals AND Strategic Objectives

- **FAO Goals:**
 - o reduction of absolute number of people suffering from hunger
 - o elimination of poverty
 - o sustainable management and utilization of natural resources.
- **11 strategic objectives with each objective focused on an agricultural sector**
 - o increased sustainable livestock production
 - **reduced animal diseases and associated human health risks.**

ECTAD EUROPEAN CENTRE FOR TRAINING AND DEVELOPMENT

Key points being raised and discussed in previous meetings related to "One Health" (trouble spots??)

- Different understanding of "One Health" (OH)
- Importance of OH is not recognized by all stakeholders and varying support for implementation at all levels
- Managing trans-sectoral collaboration and coordination is a challenge.
- Scientific evidence esp those related to emerging diseases is not available to support decision making and to implement OH,
 - if available, no capacity of the concerned authority to apply
- Countries request for guidance to operationalize OH

ECTAD EUROPEAN CENTRE FOR TRAINING AND DEVELOPMENT

Delivering One Health

Started with "harmonizing" our understanding on its scope among ECTAD teams in Asia



- Transboundary Animal Diseases
- Zoonosis
- EIDs and re-EIDs
- Environmental health including wildlife health
- Livelihoods
- Food security and safety
- Multidisciplinary approach
- Prevention
- Ability to deal with unknown

ECTAD EUROPEAN CENTRE FOR TRAINING AND DEVELOPMENT

Delivering One Health

Issues of concern	Major themes to focus
<ul style="list-style-type: none"> • Recognition of OH importance for support • Challenge in managing trans-sectoral collaboration and coordination • Insufficient decision-making based on scientific evidence • Not enough capacity to apply OH • Countries request for guidance to operationalize OH 	<ul style="list-style-type: none"> • Advocacy • Strengthening coordination and collaboration across sectors and disciplines <ul style="list-style-type: none"> - country, regional and global • Capacity building <ul style="list-style-type: none"> - Long-term approach - Immediate to produce scientific evidence for prevention purpose • Networking - through people

Pilot projects at country level

ECTAD EUROPEAN CENTRE FOR TRAINING AND DEVELOPMENT

Themes

**One Health Approach:
Multi-sectoral and multi-disciplinary approach**

Diagnostic laboratory support	Surveillance, early warning and outbreak response	Specific activities for risk determination and risk mitigation
-------------------------------	---	--

Networking - among countries and sectors/partners

Capacity building – HR and Institution

Planning and Coordination

ECTAD EUROPEAN CENTRE FOR TRAINING AND DEVELOPMENT

Delivering One Health


Advocacy

- Encouraging OH dialogue among sectors at country and regional level:
 - Through FAO country teams and competent authorities at the country level
 - Expanding from HPAI work - involve not only animal health and health but also relevant wildlife and environment sectors
 - Joint activities among ASEAN, SAARC, OIE, WHO and FAO
 - UN country team is keen to facilitate
 - Joint event (s) at regional level

ECTAD EUROPEAN CENTRE FOR TRAINING AND DEVELOPMENT




Delivering *One Health* Capacity Building

- Capacity building for epidemiology
 - Regional Field Epidemiology Training Program for Veterinarian (FETPV)
 - Thai Department of Livestock Development (DLD) is hosting in collaboration with Ministry of Public Health
 - Regional strategy for long-term purpose
 - Integrating other components related wildlife, socio-economic and communication
 - Benchmarking with other existing epidemiology training programs in the region - AVET
 - Expanding disciplines to cover wildlife and ecosystem
 - Expanding FETPV to country level - China, India
 - Need to link with Regional Epidemiology Network




Capacity Building in Laboratory Diagnosis

- Regional Framework for Capacity Building for HPAI Diagnosis and Networking
 - Infrastructure
 - Equipment
 - Personnel
 - Protocol (QA)
 - Sharing of information and Samples
 - Management and Advocacy

One Health

Regional Level
(action begins)



Epidemiology Networking: Regional Field Epidemiology Training Program for Veterinarian (FETPV)

Program Output:
Several surveillance activities and outbreak responses to both zoonotic and non-zoonotic pathogens have been conducted

As of May 2011, a total of 11 veterinarians including nine Thai and two international veterinarians have graduated. Five international trainees from Myanmar, P.R. China, Indonesia and Vietnam and four Thai trainees are currently enrolled in the program.

In addition, 27 international and 28 Thai participants were trained during one-month FETPV prerequisite course.





Regional Field Epidemiology Training Program for Veterinarian (FETPV)





Epidemiology Networking Epidemiology Consortium


- Networking
 - Meeting
 - Regular communication
- Pilot projects
 - FETPV
 - Rabies
- Advocacy
 - CVO
 - Web page

Delivering *One Health*

Regional Laboratory Networks

- Expanding scope from HPAI to cover other priority diseases
- Linking to other networks at global level such as OFFLU
- Strengthening the ability of country to deal with unknown
 - Referral system to World Reference Laboratory
 - Establishing a appropriate sample bank for necessary retrospective studies especially for wildlife
- Linking between animal and human health laboratory systems



FAO / OIE / WHO Approach to Laboratory Strengthening

Accurate & timely diagnosis


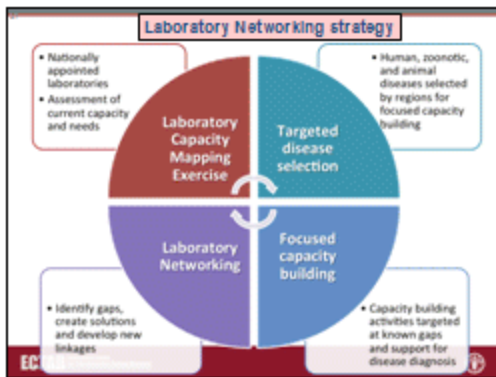
- Strengthen accurate and timely laboratory diagnosis capacity
- National internal quality control and EQA
- Laboratory biosafety / biosecurity
- National self-sufficiency and sustainability of laboratory services

Expand, share info & resources


- Support regional and international laboratory networks and information sharing
- Enhance synergy between laboratory and epidemiology networks
- Establish laboratory referral systems

Human-Animal Interface

- Advocate for joint infectious disease or public health event surveillance, risk assessment and response systems

Regional Laboratory Network for Animal Influenza Diagnosis in SE Asia




- Network of institutions, people and experts in the region on a sharing platform
 - Technical advice
 - Diagnostic advice
 - Information
- Regional Guiding Principles for Animal Influenza Surveillance and Diagnosis in SE Asia



Partnerships

- ASEAN's support for regional coordination and activities:
 - Regional strategy for epidemiology capacity building
 - Linkage with ASEAN+3 FET Network in public health sector
- Common work plan among FAO, OIE and WHO as well as others
- OIE-PVS – for overall strengthening of Veterinary Services
- Formal VS Informal communication and coordination is required

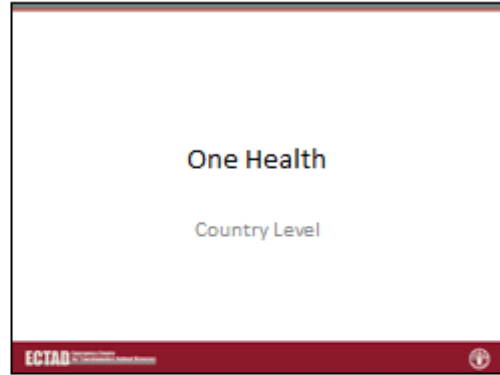
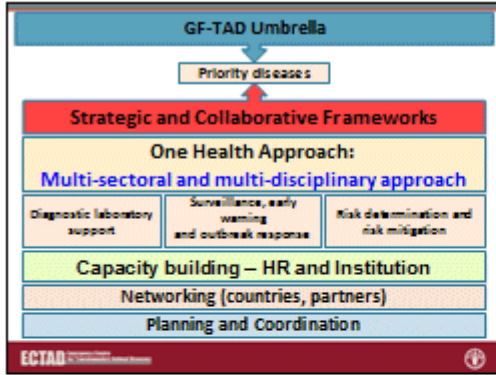


Regional Tripartite Platforms







Delivering One Health

More pilot projects at the country level

- Thailand
 - Linkage of Thai PEPV and PEP with possibility to expand to involve wildlife group and private livestock producing sector
 - Partnerships with Government Research Funding Agencies and Thai universities to study "Animal-Human-Ecosystem Interface" using bats and Nipah Virus Infection as a model
 - Involve WHO Collaborating Center for Viral Zoonotic Diseases
 - Participatory learning process using multi-disciplinary approach at community level for veterinary student at undergraduate level

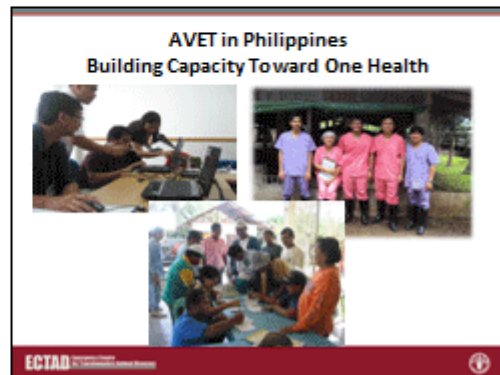


AVET in Philippines

Building Capacity Toward One Health

Key Achievements

- Four (4) AVET courses were conducted since 2007 churning out 57 graduates.
- The private sector has joined the AVET and have expressed interest to participate in future courses.
- AVET graduates have used the knowledge gained especially the OIM in Investigating zoonotic diseases.
- The Veterinary Epidemiology Network (VEN) was formed and the 1st VEN Conference was organized in May 2010.
- Faster information exchange was established and sharing of technical knowledge on animal health issues were better facilitated through the VEN website developed by the PhilVet Health Services (<http://ven.philvet.org/>).
- Initiatives were done to establish a Master in Veterinary Epidemiology program, focusing on the need of the local government unit veterinarians and other avian professionals.



Philippines: ERV reservoir One Health on the Ground – Implementation of Multi-Sectoral Collaboration

In January 2010, FAO and a consortium of international partners (EcoHealth Alliance and Biosecurity Queensland) joined with Philippines livestock, public health and wildlife agencies to develop a two-stage plan to investigate the natural reservoir of ERV.

Rabies in Indonesia

TCP/IN/3502 enhanced coordination of control efforts, capacity building, awareness raising and rapid outbreak response to control rabies in Bali, Indonesia

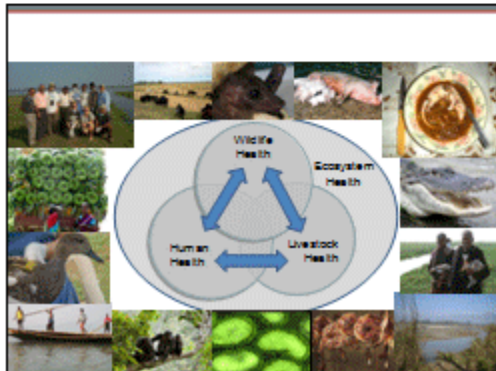
- An effective program coordination and facilitation mechanism
- Improved surveillance, response and control mechanisms
- Advocacy and coordination of rapid and accurate rabies diagnosis
- Community awareness
- Capacity of animal health staff to better manage rabies control
- A revised national rabies control and eradication strategy

One Health: Concept to Action

- Within the context of GF-TADs
- One Health approach
- Ironing the trouble spots
 - Understanding the concept within the FAO structure
 - Stakeholders, sectors involved
 - Collaboration
- Themes
- OH at regional level
- OH at country level


APHCA and One Health

- APHCA's unique mandate that covers a wide range of animal production and animal health issues
- Entry points for APHCA?
 - Entry points for countries?



Society, Equity and Livestock in Asia and the Pacific: Aspirations, Reality and Dilemmas (Olaf Thieme)

Food and Agriculture Organization of the United Nations



Society, Equity and Livestock in Asia and the Pacific: Aspirations, reality and dilemmas

Olaf Thieme
Animal Production Systems Branch, FAO, Rome

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Overview

- Aspirations
 - MDGs
 - Food Security
 - Healthy diets
 - Food Supply
 - Sustainable livelihoods
- Reality
 - Smallholders – industrial production
 - Diversification
 - Crop-livestock integration
 - Non food supply from livestock
 - Role of women
 - Nomads
 - Food for the cities
- Dilemmas

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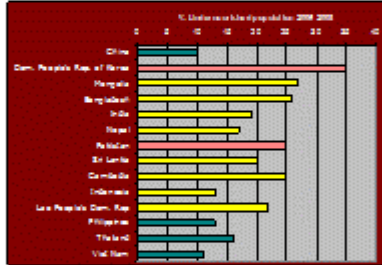
Aspiration – Millennium Development Goals (MDGs)

- Eradicate extreme poverty and hunger
- Achieve universal primary education
- Promote gender equality and empower women
- Reduce child mortality
- Improve maternal health
- Combat HIV/AIDS, malaria, and other diseases
- Ensure environmental sustainability
- Develop a global partnership for development



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Aspiration – Food Security for all



Country	% Undernourished
China	~15
Dem. People's Rep. of Korea	~15
Mongolia	~15
Bangladesh	~18
India	~18
Japan	~18
Nepal	~18
Br. Linné	~18
Co. de la Gu.	~18
Indonesia	~18
Low Income Dem. Rep.	~18
Philippines	~18
Thailand	~18
Viet Nam	~18

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Aspiration – Healthy diets for all

Undernourishment – Deficiencies – Obesity

- Meet requirements for:
 - Energy (kilocalories)
 - Macronutrients
 - Micronutrients
- Ecotonicity
- Requirements differ with age groups
- Different preferences in the region
 - Vegetarian – Meat Eater
 - Beef – No Beef
 - Pork – No Pork
 - Mutton – No Mutton
 - Plenty Milk – Little or no milk
 - Chicken eggs – Duck eggs



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Aspiration – livestock products for a healthy diet

Nutrient	Meat	Milk	Eggs
Calcium	0	+++	0
Total Iron	+++	+	+
Haem Iron	+++	0	0
Zinc	+++	+	+
Riboflavin	++	+++	++
Vit B 12	+++	++	++
Vit A	+	++	+++
Vit D	Organ meats & oily fish	0	0

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Food Supply Quantity (kg/capita/year)

Country	2008		2009		2010		2011		2012	
	Value	% Change	Value	% Change	Value	% Change	Value	% Change	Value	% Change
Australia	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%
Brazil	180.0	0.0%	180.0	0.0%	180.0	0.0%	180.0	0.0%	180.0	0.0%
Canada	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%
China	2100.0	0.0%	2100.0	0.0%	2100.0	0.0%	2100.0	0.0%	2100.0	0.0%
EU27	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%
India	180.0	0.0%	180.0	0.0%	180.0	0.0%	180.0	0.0%	180.0	0.0%
Indonesia	180.0	0.0%	180.0	0.0%	180.0	0.0%	180.0	0.0%	180.0	0.0%
Japan	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%
USA	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%
World	2100.0	0.0%	2100.0	0.0%	2100.0	0.0%	2100.0	0.0%	2100.0	0.0%

Food Supply Quantity (kg/capita/year)


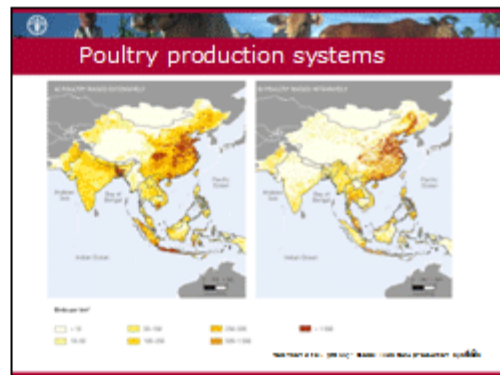
Country	2008		2009		2010		2011		2012	
	Value	% Change	Value	% Change	Value	% Change	Value	% Change	Value	% Change
Australia	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%
Brazil	180.0	0.0%	180.0	0.0%	180.0	0.0%	180.0	0.0%	180.0	0.0%
Canada	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%
China	2100.0	0.0%	2100.0	0.0%	2100.0	0.0%	2100.0	0.0%	2100.0	0.0%
EU27	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%
India	180.0	0.0%	180.0	0.0%	180.0	0.0%	180.0	0.0%	180.0	0.0%
Indonesia	180.0	0.0%	180.0	0.0%	180.0	0.0%	180.0	0.0%	180.0	0.0%
Japan	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%
USA	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%
World	2100.0	0.0%	2100.0	0.0%	2100.0	0.0%	2100.0	0.0%	2100.0	0.0%

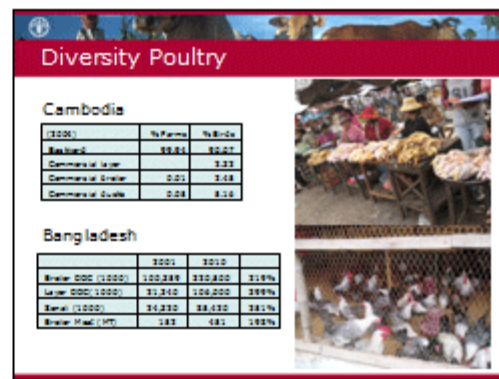
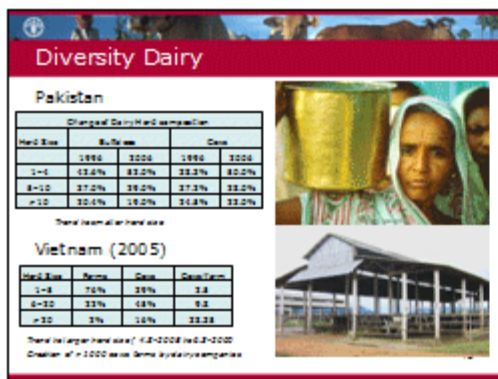
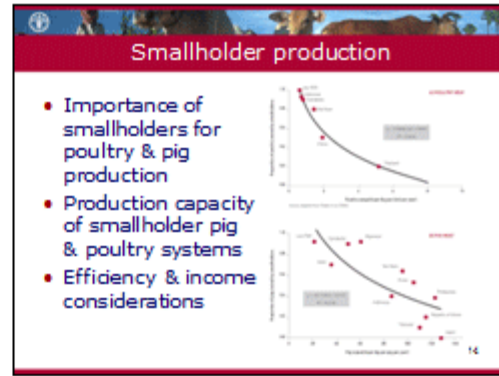
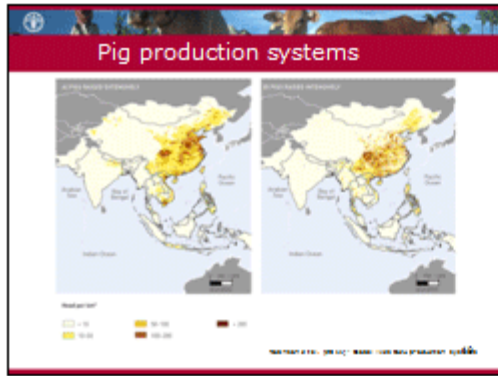
Country priorities for livestock products

Country	2008		2009		2010		2011		2012	
	Value	% Change	Value	% Change	Value	% Change	Value	% Change	Value	% Change
Australia	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%
Brazil	180.0	0.0%	180.0	0.0%	180.0	0.0%	180.0	0.0%	180.0	0.0%
Canada	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%
China	2100.0	0.0%	2100.0	0.0%	2100.0	0.0%	2100.0	0.0%	2100.0	0.0%
EU27	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%
India	180.0	0.0%	180.0	0.0%	180.0	0.0%	180.0	0.0%	180.0	0.0%
Indonesia	180.0	0.0%	180.0	0.0%	180.0	0.0%	180.0	0.0%	180.0	0.0%
Japan	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%
USA	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%	3450.0	0.0%
World	2100.0	0.0%	2100.0	0.0%	2100.0	0.0%	2100.0	0.0%	2100.0	0.0%

Priorities - Poultry products

- Vietnam** (country in the top 10 poultry producers)
 - 83% supply to the table of local abattoirs
 - 21% supply to local slaughterhouses
 - 14% supply to industrial slaughterhouses
 - 82% supply to the table of abattoirs
 - Consumers & small/other purchases
- Cambodia** (country in the top 10 poultry producers)
 - 40% supply to the table of local abattoirs
 - 40% supply to local slaughterhouses
 - 14% supply to industrial slaughterhouses
 - 82% supply to the table of abattoirs
 - Consumers & small/other purchases
- Indonesia** (country in the top 10 poultry producers)
 - 70% supply to the table of local abattoirs
 - 20% supply to local slaughterhouses
 - 10% supply to industrial slaughterhouses
 - 80% supply to the table of abattoirs
 - Consumers & small/other purchases



Crop - Livestock relationship

CHARACTERISTICS OF THE AGRICULTURAL PRODUCTION SYSTEMS IN VIET NAM

Production system	Area (ha ²)	Number of communes	Population (thousands)	Pop. density (per km ²)	Pop. density (per ha ²)	Number of pigs (thousands)
C	24,368	850	7,291	27	79	2,718
CL	77,768	4,252	27,364	47	155	12,075
CA	7,774	270	1,976	47	159	837
CP	49,124	550	2,985	57	23	1,274
CLA	7,027	424	3,724	48	209	1,057
CLP	133,274	2,252	9,129	57	45	5,297
CAF	3,761	29	922	43	73	247
CLAP	4,456	192	1,289	43	89	359
L	563	45	276	37	175	112
LA	2,025	32	924	39	191	176
LAP	479	74	129	48	74	32
A	2,265	44	424	43	175	271
AP	381	15	72	59	243	55
National	317,188	4,747	28,185	44	85	25,271

Legend: C=Crop, CL=Crop & Livestock, CA=Crop & Aquaculture, CP=Crop & Poultry

Source: FAO (2004), based on data production systems




Livestock & Culture



Employment from dairy

- Pakistan**
 - 0.8 million farmers, thousands of milk collectors, processors, processors, distributors and retailers.
- India**
 - 2.47 million people of which 75% are women
- Vietnam (~ 700,000)**
 - Milk production 36,000
 - Exported to US 13,000
 - Milk sold on 850
 - Milk processing 2,400
 - Product marketing 600,000




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Gender dimensions and livestock

- Gender in livestock production and marketing
- Gender related to type of livestock and production system.
- Gender and decisions making about consumption of food and nutrition.
- Gender decisions about utilization of income from livestock.


Total income from livestock activity		
	Female	Male
Bangladesh	2-4% (Q2)	6-9% (Q4)
Nepal	10-19% (Q2)	19-24% (Q5)
Pakistan	12-19% (Q1)	19-27% (Q4)
Viet Nam	14-18% (Q1)	16-22% (Q1)



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Nomadic livestock production

- Camels, Horses, Small Ruminants, Yaks
- 2m Mongolia employment for 40% of population
 - Rapid rise and decline of small ruminant population.
 - Record livestock numbers but decreasing production.
 - Small herders are pushed out of business through time of climatic stress.
 - Decline of animal products in the diet and the per capita meat consumption has gone down.
 - Production of cashmere has increased income but is dependent on a somewhat volatile world market.
 - Herders use traditional practices and introduction of change is difficult.
 - Itensive livestock may not feed the growing population.



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Food for the cities

- Population growth will be largely concentrated in urban areas
- Projected urban population increase in Asia of 1.7 billion
- Consequences for livestock products:
 - More transport and organized marketing chains
 - Changing food habits
 - More prepared food and outside eating and street food
 - Increasing importance of food safety issues
 - Greater difficulties of direct marketing

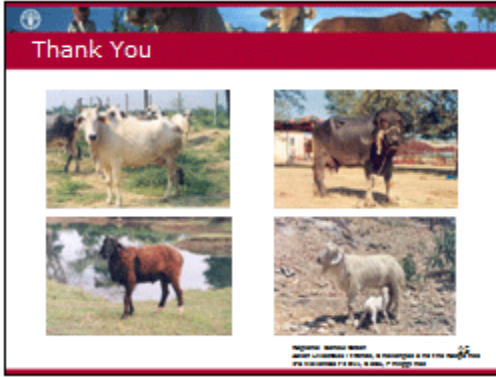


23

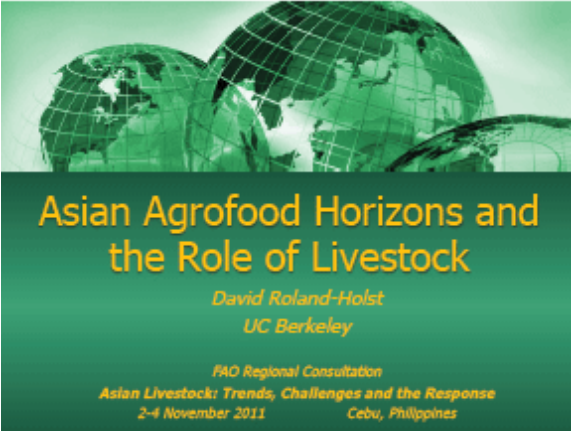
Dilemmas

- Direction of change - Maintaining diversity
- Use of resource for livestock or human consumption
- Efficiency – Participation of many producers
- Support of less favorable production sites
- Health diets with or without livestock products
- Traditional food – Modern production
- Cheap food – sufficient income for producers
- Priorities for rural – urban populations

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Asian Agrofood Horizons and the Role of Livestock (David Roland-Holst)



Asian Agrofood Horizons and the Role of Livestock
David Roland-Holst
UC Berkeley

FAO Regional Consultation
Asian Livestock: Trends, Challenges and the Response
2-4 November 2011 Cebu, Philippines

Contents

1. How We Got Here
2. China's AgroFood Balances
3. Asian AgroFood and Livestock Growth
4. Conclusions

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**1. How We Got Here:
Global and Asian AgroFood Trade**

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Context

- Loss of momentum in the latest round of multilateral trade negotiations has improved the prospects for regional trade within Asia.
- This is particularly true for agriculture, a primary obstacle to WTO negotiations and a sector in which Asia has significant demand and supply potential.
- Historically, regional food trade has been driven by demand from higher income Asian economies. This provided important development stimulus to regional partners, including Taiwan, Thailand, Indonesia, and Malaysia.
- Regional AgroFood absorption is now accelerating rapidly from a new source, emergent middle classes in China and India.
- This could make a significant contribution to regional growth and poverty alleviation, contributing to two important policy objectives: greater Asian cooperation and more inclusive development.

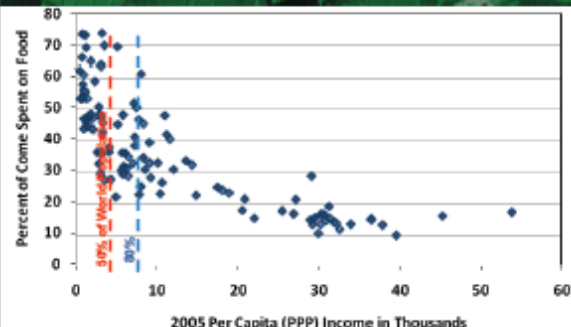
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North-South Relations and the Cheap Food Consensus

- Higher income economies have long subsidized their own agricultural activities with the combined goals of supporting food security and powerful rural populations.
- In the South, many economic development policies have been built on bedrock of low wage industrialization, accompanied by food security (low prices) for politically sensitive urban poor populations.
- The result has been a *de facto* global consensus, supporting two generations of declining food prices.

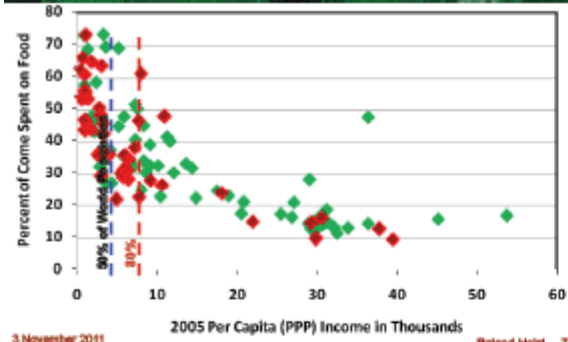
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Food Security and Income



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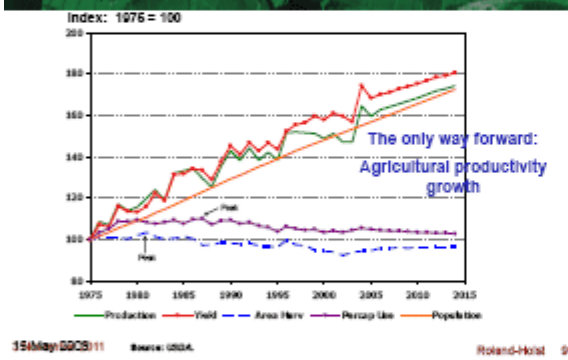
Food Security and Climate Risk: Tropical Countries in Red



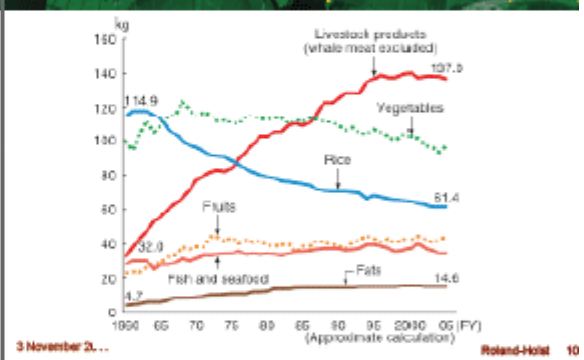
Food Price Index and Cereal Prices 2001-2011



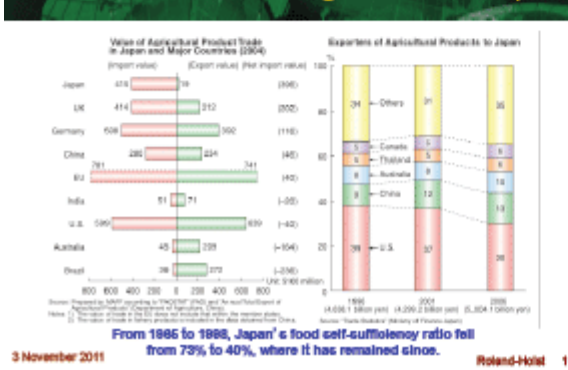
How we got here and how we go forward Total World Grain and Oilseeds



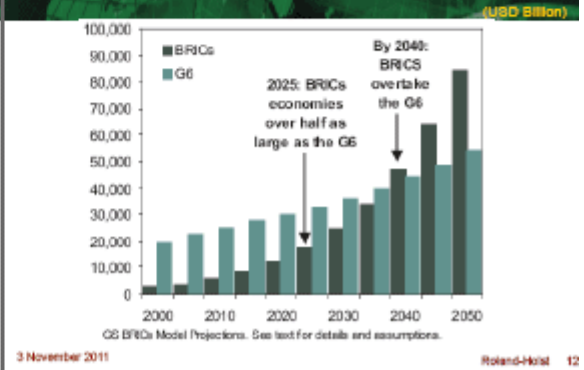
The Early Modern AgroFood Model for Asia Japan's Growth, Diet



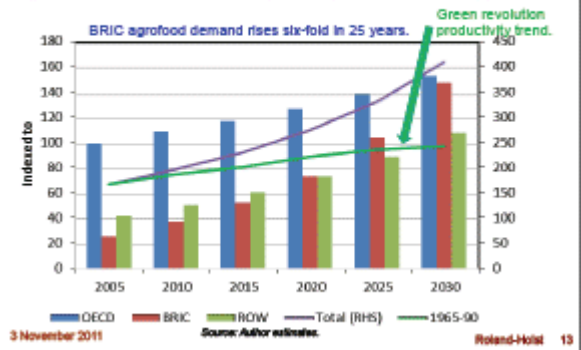
and AgroFood Absorption



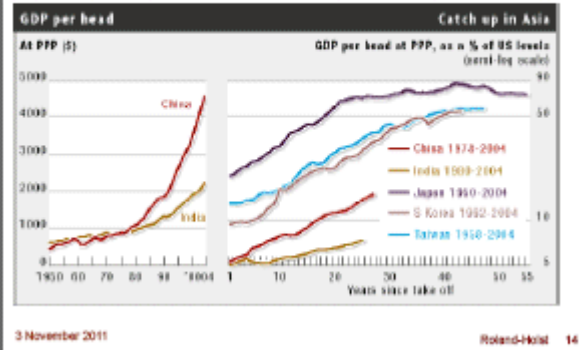
The New Model of Emergent Demand: BRICs and G6 GDP (USD Billion)



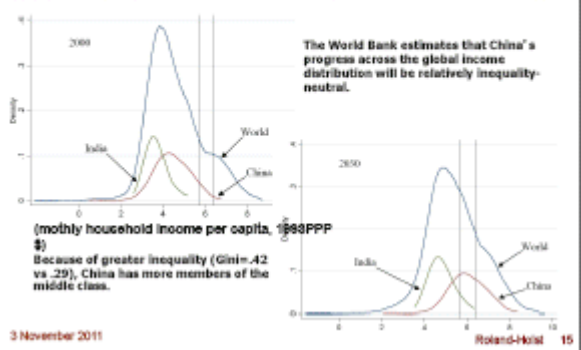
Global Agrofood Demand



Asian Growth Still has Room to Run



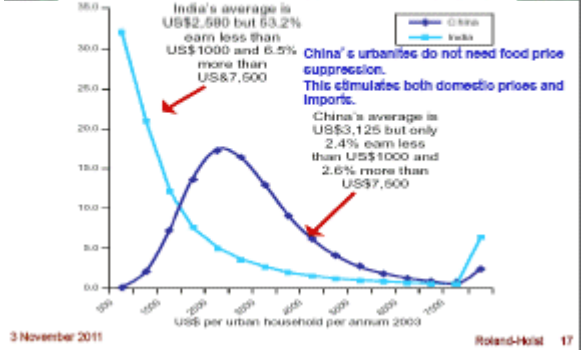
More Fundamentally, a New Middle Class is Emerging



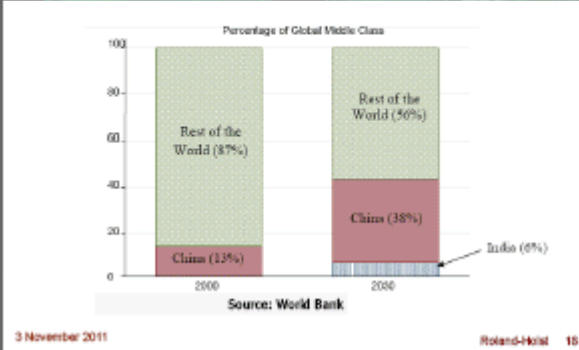
Fundamentally Changing the Narrative on Regional Food Demand



China's Urban Population will Accelerate Resource-intensive Regional Food Demand



Asian Middle Class Emergence

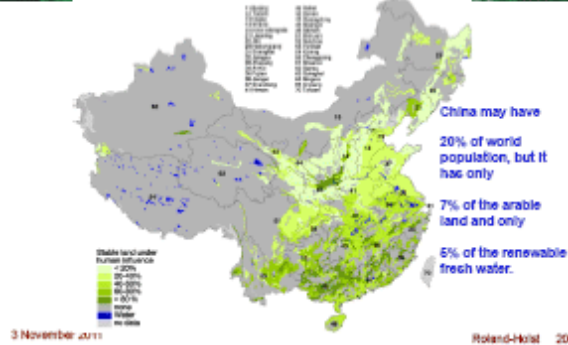


Supply Side: China's Farmland is scarce...

2. China's AgroFood Balances

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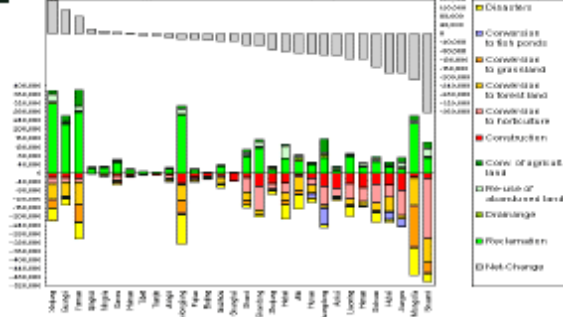
Roland-Hoist 19



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Roland-Hoist 20

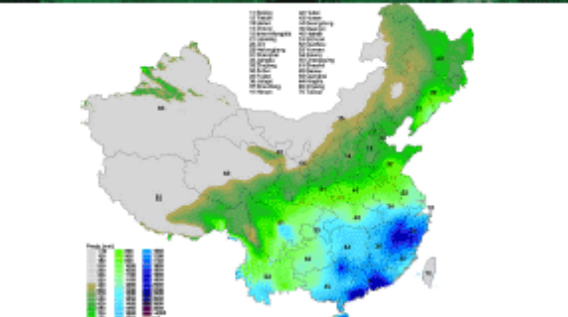
and shrinking.



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Roland-Hoist 21

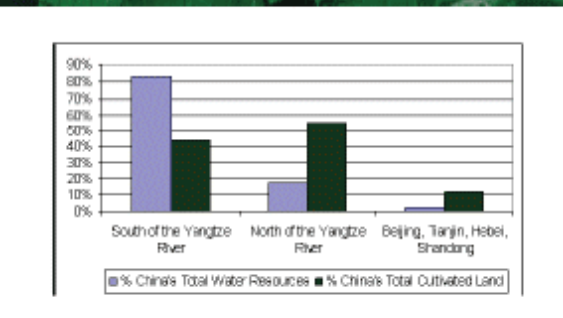
Annual rainfall is limited...



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Roland-Hoist 22

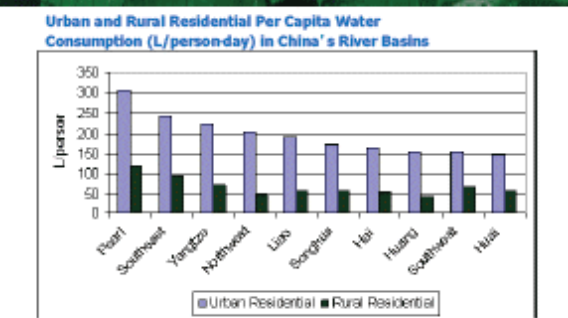
and water resources are distributed very unevenly



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Roland-Hoist 23

Thirsty Cities: Urbanites are more than twice as water-intensive

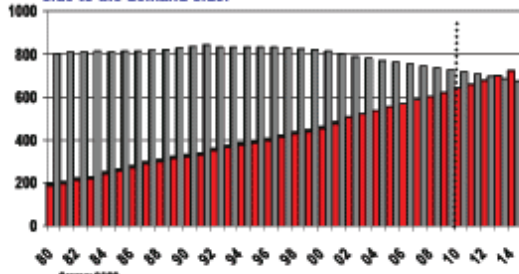


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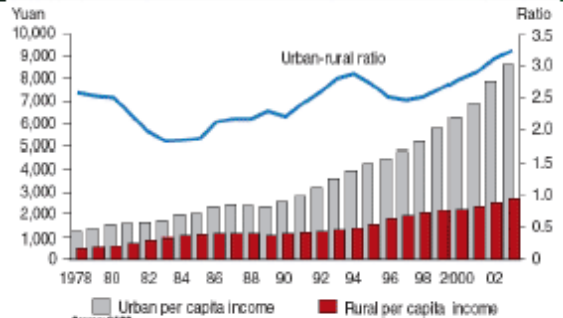
Roland-Hoist 24

Demand: China's Population is Moving (Rural and Urban, millions)

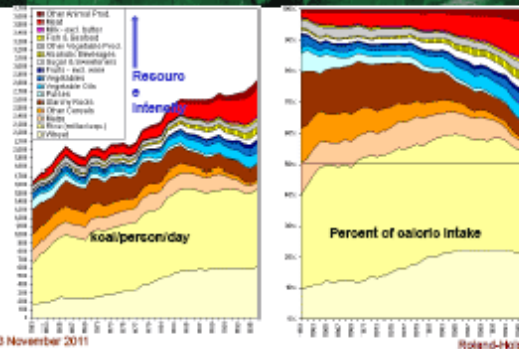
Half a billion people have been moving from the food supply side to the demand side.



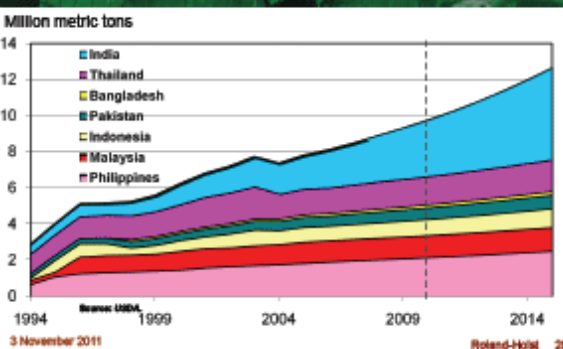
Income and inequality are both rising



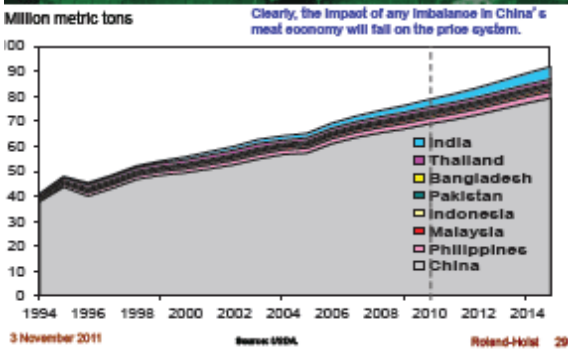
and Diets are Changing



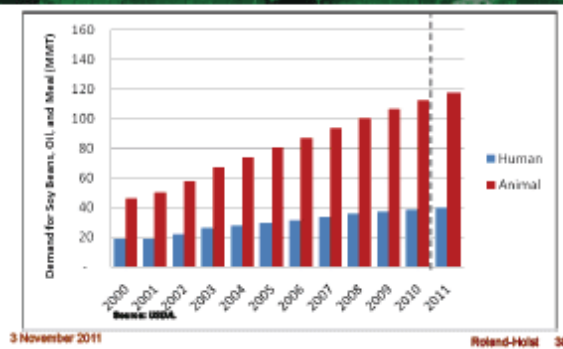
How Big? Asia Pork and Poultry Production



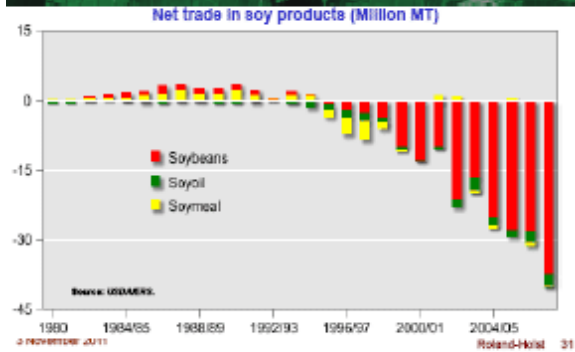
All Asia Pork and Poultry



China Soy Demand



Trade: China's Soy Tsunami



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3. Asian AgroFood and Livestock Growth

- With the world's largest population and fastest growing middle class, China's agroFood demand could exert enormous influence on global trade
 - Despite its obvious importance, substantial uncertainty remains about China's future food self-sufficiency
 - Our research suggests that regional agrofood trade will present significant opportunities to alleviate rural poverty at home and elsewhere in Asia.
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Scenarios for Asian AgroFood Expansion

1. Trade Facilitation - In addition to Scenario 1, assume trade, transport, and transit margins to and from and through low income GMS countries are reduced by 50%.
 2. AgroFood Productivity - Assume that total factor productivity grows at 4% annually in Agriculture and Food Processing sectors
 3. Foreign Direct Investment - In addition to Scenario 2, assume that FDI in the low income GMS countries rises to 4% of GDP by 2030 (region varies between 1-12%).
- 3 November 2011 Roland-Holst 33

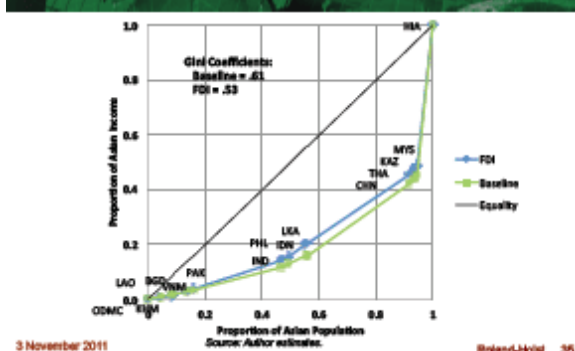
Real GDP Impacts Percent Change from Baseline in 2030

	Trade Lib	AgProd	FDI
HilIncome Asia	0%	1%	0%
PRC	2%	9%	28%
India	1%	22%	64%
Other S. Asia	3%	92%	246%
Thailand	3%	23%	55%
Viet Nam	6%	33%	88%
Cambodia	10%	48%	191%
Laos PDR	2%	86%	258%
Philippines	3%	31%	109%
Other Asia	4%	20%	57%

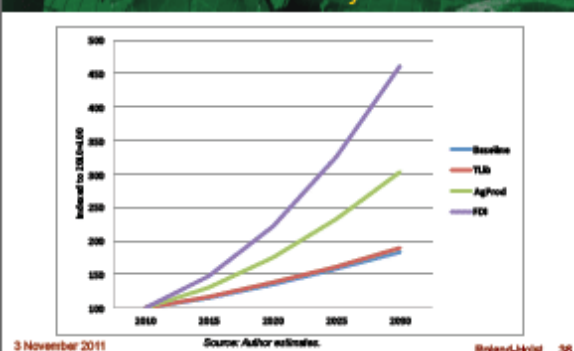
Source: Author estimates.

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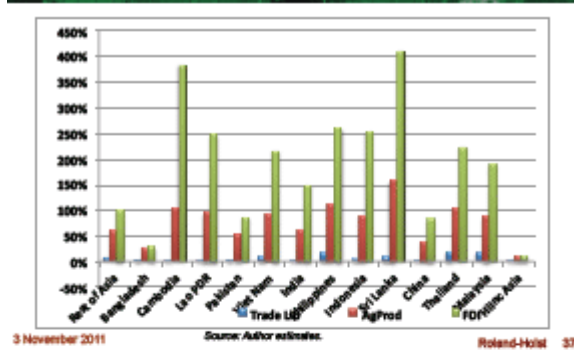
Regional Agrofood Expansion can be Pro-Poor



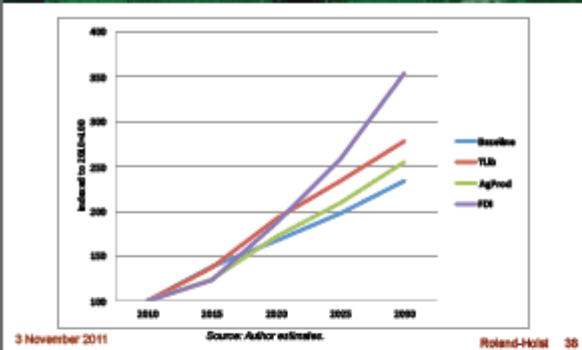
Total Output of Livestock Products by Asian Countries



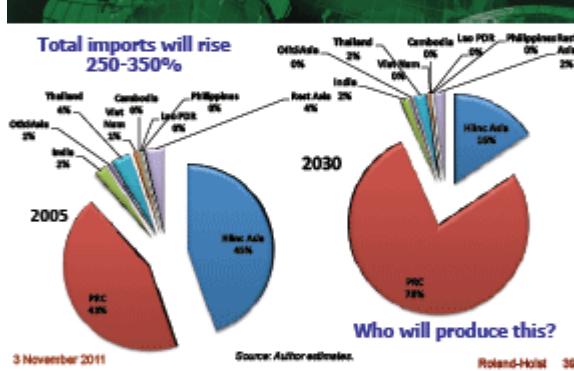
National Livestock Output Growth Percent Change from Baseline in 2030



Total Imports of Livestock Products by Asian Countries



Shares of Asian Livestock Product Imports



4. Conclusions: Three Salient Insights

I. Sustained regional income will accelerate Asian demand for livestock products. To maintain food security, productivity must rise accordingly.

With appropriate institutions and proactive policies at the sector, national, and multilateral levels, expanded livestock production can

II. Be a potent catalyst for poverty alleviation

III. Improve food security and public health

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I. Accelerating Regional Agrofood Demand

- Asia's successes with sustained income growth are intensifying demand for higher value agrofood, especially livestock products
 - If productivity does not keep pace, food prices will threaten livelihoods across the region
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II. Livestock Expansion can be Pro-Poor

- Policies that better integrate the smallholder rural majority with national agrofood supply chains can improve incomes for producers of all sizes
 - Public agency can overcome barriers to smallholder market access with extension services and investments that reduce trade and transport margins
 - Private agents can more fully develop regional agrofood resources with supply chain investments and contracting
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III. Livestock Expansion can Improve Health

- Mechanisms like contracting, certification, and cooperatives can improve product quality for consumers, including nutritional values, animal health status, and food safety
- Moreover, such mechanisms are incentive-compatible, promoting investment and management that increases producer income through product improvement
- Such market oriented policies support self-directed poverty alleviation through positive market incentives, reducing sustained expenses for surveillance and transfer payments

Thank you!

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Regional Consultation Asian Livestock: Trends, Challenges and the Response: Design & Mechanics (Salvador P. Catelo)

<p>Regional Consultation Asian Livestock: Trends, Challenges and the Response</p> <p>Design & Mechanics</p> <p>Salvador P. Catelo Consultant FAO-RAP</p> <p>November 2-4, 2011 Marco Polo Plaza Hotel Cebu City, Philippines</p>	<p>OBJECTIVES</p> <p>bring together selected stakeholders from across the region to brainstorm and outline elements of an institutional architecture that can address the challenges in the livestock sector;</p> <p>document the analyses and resolutions in the form of a consultation paper (that shall serve as inputs into country programs, FAO RAP regional program, and other regional and global initiatives)</p>
<p><i>In conjunction with APHCA's mandate</i></p> <p>"to review and track regional issues, status and trends in the livestock sector and to spur national and international action in support of its sustainable development"</p> <p>outcomes will be presented in the 2nd multi-stakeholder Consultation on Global Agenda of Action for Sustainable Livestock, to be held in Phuket on December 1-4, 2011</p>	<p>DESIGN</p> <p>Situational Analysis Adopts the Goal Oriented Project Planning (GOPP) Approach</p> <ul style="list-style-type: none"> Problem Analysis Objective Analysis Alternative Analysis Participation Analysis
<p>STRATEGIC PLAN</p> <p>(1) Where are we now? <i>e.g., 10 years from now</i></p> <p>(2) Where do we want to be?</p> <p>(3) How do we get there?</p> <p>(4) How to stay there?</p> <ul style="list-style-type: none"> Are the current policies, programs, projects working? Success factors? If not, what are needed to fill the gaps? (i.e., technological gap; institutional failures; etc) How do we really know that we "got there"? (What are the indicators?) 	<p>WHAT IS THE RIGHT PATHWAY?</p> <p>(3) How do we get there?</p> <p>Interventions</p> <p>Satisfaction of the necessary & sufficient conditions</p> <p>(4) How to stay there?</p> <p>Target Outcomes and/or Effects</p>

APPROACH/PEDAGOGY

Thematic discussions & consensus building

1. Each group shall conduct a situational analysis.
2. Each group shall assign a lead-facilitator and a rapporteur.

The facilitator shall lead the discussion while the rapporteur shall ensure the documentation of all relevant issues, ideas, and supporting facts and figures.

Thematic discussions & consensus building
... continue

3. The workshop shall be aided by structured guide questions.
4. In the course of participation, meta cards shall be used in sharing thoughts among members of the group.



Meta Cards: to facilitate full participation and faster visualization of ideas



- brain storming** rapid collection of ideas of all members of a discussion group using rectangular pieces of paper and felt pens
- written discussions** participation of all; simultaneous; quicker documentation of statements; more efficient consensus building
- group presentation** effective and faster way of packaging group ideas

Answers

Thematic discussions & consensus building
... continue

5. All members must actively participate.
6. All answers shall be posted on the board or wall, arranged or grouped according to the sequence of the questions.

Each is required to answer independently all questions using the meta cards.

No discussion shall take place at this stage.

Thematic discussions & consensus building
... continue

Question 1	Question 2	Question 3	And so on ...
A.1	A.2	A.3	.
A.1	A.2	A.3	.
A.1	A.2	.	.
A.1	.	.	.
A.1	.	.	.

Thematic discussions & consensus building
... continue

7. After all questions are answered, the group shall review and discuss all the posted answers and arrive at a consensus.



Thematic discussions
... continuation

Question 1	Question 2	Question 3	Question 4
A.1	X	A.2	A.3
X	A.4	A.5	X
A.6	X	A.7	A.8
A.9	A.10	X	A.11
	A.12	A.13	A.14
	X	X	
	A.15		

consensus building

Thematic discussions & consensus building
... continuation

8. Each group shall assign spokesperson(s) for the group report presentation. Each group is entitled to a maximum of 20 minutes.

Summary Matrix

CATEGORY	Changes (A)	Critical Issues (B)	Success Stories (C)	Suggested Strategies (D)
1. Character of the Livestock Sector				
2. Socio-Economic Dimensions				
3. Human-Animal-Ecosystem Interface				

Character of the Livestock Sector

refers to the profound structural changes in the livestock sector

- arising from rapid growth and technological innovation

- (i) move from smallholder mixed farms (safety net) towards large-scale specialized industrial production systems;
- (ii) a shift in the geographic locus of demand and supply to the developing world;
- (iii) an increasing emphasis on global sourcing and marketing

Character of the Livestock Sector

Demand-side Factors

Rapid increase in consumption of livestock products - per capita consumption has markedly outpaced growth in consumption of other major food commodity groups

- (i) driven by economic growth and rising per capita incomes
- (ii) urbanization - has a significant effect on the consumption of animal products (independent of income levels)
 - growing concentration of animals in cities as people tend to move livestock activities to urban areas

Character of the Livestock Sector

Demand-side Factors ... continuation

- (iii) Natural-resource endowment - affects the relative costs of different food commodities
 - access to marine resources favors consumption of fish while access to natural resources for livestock production favors consumption of livestock products
- (iv) Cultural reasons - influence consumption habits

<p>Character of the Livestock Sector</p> <p>Supply-side Factors</p> <p>1. Favorable (unfavorable) long-run trends in the prices of inputs</p> <p>feed grain prices and consequences on use fuel prices and consequences on transportation and feed grain prices</p> <p>2. Technological change</p> <p>developments and innovations in all aspects of livestock production from breeding, feeding and housing to disease control, processing, transportation and marketing</p>	<p>Supply-side Factors ... continuation</p> <p>2. Technological change</p> <p>(i) private research and development efforts impacts on smallholders? commercial producers?</p> <p>(ii) foci of R&D impacts on poor people? externalities related to the environment or public health?</p> <p>(iii) genetic advances & productivity growth true for all sub-sectors? for temperate as well as tropical low- input regions?</p> <p>(iv) technological innovations in processing, transportation, distribution and marketing (value chain) wider use of cold chains? longer shelf-life?</p>
<p>Socio-Economic Dimensions</p> <p>multiple roles of livestock in the livelihoods of people especially those living in poverty; production system and economic performance; demographic change</p> <p>Livestock modernization - characterized by large-scale and intensive use of inputs, technology and capital</p> <p>from being multifunctional to commodity specific; increased specialization of production units focusing on single-product operations</p>	<p>Socio-Economic Dimensions</p> <p>progressive substitution of non-traded inputs in favor of purchased inputs (e.g., feeds being sourced off the farm, either domestically or internationally)</p> <p>livestock- no longer part of integrated production systems (based on local resources with non-food outputs serving as inputs in other production activities within the system)</p> <p>Are the producers better-off or worse off? (per capita income and per capita consumption)</p>
<p>Socio-Economic Dimensions</p> <p>livestock sector as user and steward of natural resources; how are the players now? social behavioral and impact considerations?</p> <p>- livestock production exacts an environmental cost</p> <p>expansion of land use contributes to deforestation in some countries, while intensification of livestock production causes overgrazing in others</p> <p>creation of alternative social safety nets that protect livelihoods from external shocks</p>	<p>Human-Animal-Ecosystem Interface</p> <p>the way the sector interacts with the natural-resource base and for the management of animal diseases and human- health risks</p> <p>changes with respect to the access to animal-health services and a greater voice in livestock disease-control measures</p> <p>diseases impose heavy burden on the poor because poor livestock keepers live in closer proximity to their animals</p> <p>smallholders have less access to veterinary services amidst limited or no surplus income during emergencies</p>

Human-Animal-Ecosystem Interface

Mandate: improvement in the resource use efficiency and at the same time reduction of negative environmental externalities

- proper incentives, regulations and technology
 - creative measures against global greenhouse gas (GHG) emissions
 - geographic concentration of livestock production to balance the absorptive capacity of "wastes" of an area
 - relocating livestock production away from human population centers in order to minimize the risk of disease transmission

Summary Matrix (Sample 1)

CATEGORY	Changes (A)	Critical Issues/ Challenges (B)	Success Stories (C)	Suggested Strategies (D)
1. Character of the Livestock Sector	A 1.1	B 1.1.1 B 1.1.2 B 1.1.3	C 1.1.1 C 1.1.2	D 1.1.1
	A 1.2	B 1.2.1 B 1.2.2	C 1.2.1	Sustain the strategies for D 1.2.1
2. Socio-Economic Dimensions				
3. Human-Animal-Ecosystem Interface				

Summary Matrix (Sample 2)

CATEGORY	Changes (A)	Critical Issues/ Challenges (B)	Success Stories (C)	Suggested Strategies (D)
1. Character of the Livestock Sector				
2. Socio-Economic Dimensions	A 2.1 A 2.2	B 2.1.1 B 2.2.1	None so far C 2.2.1	D 2.1.1 Sustain the strategies for C 2.2.1
3. Human-Animal-Ecosystem Interface				

Summary Matrix (Sample 3)


CATEGORY	Changes (A)	Critical Issues/ Challenges (B)	Success Stories (C)	Suggested Strategies (D)
1. Character of the Livestock Sector	A 1.1	B 1.1.1 B 1.1.2 B 1.1.3	C 1.1.1 C 1.1.2	D 1.1.1
	A 1.2	B 1.2.1 B 1.2.2	C 1.2.1	Sustain the strategies for D 1.2.1
2. Socio-Economic Dimensions	A 2.1 A 2.2	B 2.1.1 B 2.2.1	None so far C 2.2.1	D 2.1.1 Sustain the strategies for C 2.2.1
3. Human-Animal-Ecosystem Interface	A 3.1 A 3.2	B 3.1.1 B 3.2.1	None so far None so far	D 3.1.1 D 3.2.1

Example

ITEM	Changes	Critical Issues &/or Challenges	Suggested Strategies
Human-Animal-Ecosystem Interface	1. Climate change	1.1 Water scarcity and/or flooding (Please cite country-specific cases)	1.1.1 Mainstreaming of climate change adaptation in local development plans 1.1.2 Improving knowledge on natural resource protection and sustainable agriculture, and stakeholders' responsibilities
		1.2 Land degradation (Please cite country-specific cases)	1.2.1 Aligning incentives to environmental outcomes 1.2.2 Promotion of best production practices 1.2.3 Adoption of penalty and reward systems

Common Pitfalls in Problem-Solving (Strategy Formulation)

A Reminder



<p>Common Pitfalls</p> <p>1. <u>Jumping to Cause</u> A lot of jumping to conclusions about the cause of a problem, even without having agreed on a specific definition of the problem.</p> <p>2. <u>Butterfly Thinking</u> The discussion shift from point to point without effectively dealing with any. The same point is discussed over and over again.</p>	<p>Common Pitfalls</p> <p>3. <u>Failure to Separate Assumptions from Facts</u> Generalization and opinions are accepted without reference to evidence or available facts.</p> <p>4. <u>Analytical Overkill</u> Unreasonably long time is spent considering an unimportant issue or something that has already been clarified.</p>
<p>Common Pitfalls</p> <p>5. <u>Action Overkill</u> The "shotgun approach" where everything in sight is proposed to be changed in the hope of covering the causal factor.</p>	<p>GROUPINGS</p> <p>Group 1 South Asia - Bangladesh, Pakistan, Sri Lanka, Bhutan and Nepal</p> <p>Group 2 East and Southeast Asia - Thailand, Philippines, Malaysia, Vietnam, Laos, and Myanmar</p> <p>Group 3 Pacific Countries - Australia, Samoa, and Papua New Guinea</p>
<p>WORKSHOP GUIDE QUESTIONS</p> <p><i>Round 1. Individual Work</i></p> <p>1. Over the past decade, what were the notable changes that have occurred in the following aspects of the livestock sector in your country:</p> <ul style="list-style-type: none"> 1.1 Character of the Industry 1.2 Socio-economic Dimension 1.3 Human-Animal-Ecosystem Interface 	<p>WORKSHOP GUIDE QUESTIONS ... continuation</p> <p><i>Round 1. Individual Work</i></p> <p>2. What are the critical issues that have arisen out of the above mentioned change(s)?</p> <p><i>Note: Kindly associate the critical issues with the current or emerging problems that your country is facing.</i></p> <p><i>What would be the effects or consequences of the problems when not properly attended to?</i></p>

<p>WORKSHOP GUIDE QUESTIONS ... continuation</p> <p>Round 1. Individual Work</p> <p>3. Discuss briefly but concisely the success story of the various interventions or strategies so far adopted, if any.</p> <p><i>Note: Discuss the nature of intervention particularly the creative or innovative features of it.</i></p> <p><i>Please highlight the necessary elements that have contributed to the success of the intervention.</i></p>  	<p>WORKSHOP GUIDE QUESTIONS ... continuation</p> <p>Round 1. Individual Work</p> <p>4. What programs (specific interventions) do you suggest to address each of the critical issues identified in #2?</p> <p>Round 2. Group Dynamics/Consensus Building</p> <p>1. As a group, read all the answers posted on the bulletin board or wall.</p> <p>2. Discuss all the answers and come up with a consensus for all the questions. You may use the attached sample matrix to summarize your group's position paper.</p>  
<p>WORKSHOP GUIDE QUESTIONS ... continuation</p> <p>Round 3. Group Reporting</p> <p>1. Prepare your group's output into a report in word and powerpoint electronic files for submission to the organizing committee.</p> <p>2. Assign the resource person(s) for the group's presentation on November 4, 2011.</p>  	  

Annex 3: Provisional Agenda for the 72nd Executive Committee Meeting and 35th Session (APHCA)

72nd Executive Committee Meeting

Provisional agenda of the APHCA business session

1. Out-going Chair conduct election of new Chair, Vice-Chair and 3 Ex-com members
2. New Chair conducting the session – Adoption of Agenda
3. Minutes of the 34th APHCA Session (which includes the 70th Ex-com)
4. Progress report on APHCA activities (APHCA Secretariat)
5. Tabling of APHCA review report and discussions
6. Financial statement (Secretary)
7. Finalization of the Programme of Work and Budget
8. Venue of the next Session
9. Other business
10. Adoption of the Session Report and Closing

35th Session (APHCA)

Program

November 2, 2011

1400—1500 Inauguration and Introductions

1500—1545 In Search of Sustainability: Towards Building an Action Agenda for Asian Livestock Sector—Vinod Ahuja, Livestock Policy Officer, FAORAP

1545—1630 Moderated discussion

Welcome dinner

November 3, 2011

0900—0945 Asian Food Economy in 2050: Where fits Livestock?
—David Roland-Holst, University of California

0945—1030 Moderated discussion

1030—1100 Coffee

1100—1145 Society, Equity and Livestock in Asia and the Pacific: Aspirations, Reality and Dilemmas

(Olaf Thieme, AGAS, FAO HQ, Rome)

1145—1230 Moderated discussion

1230—1330 Lunch

1330—1415 One Health Asia: From Concept to Action—Wantanee Kalpravidh (ECTAD FAO RAP)

1415—1500 Moderated discussion

1430—1600 Group discussions in smaller sub-regional round tables/stakeholder groups

Dinner/evening hosted by governor of Cebu

November 4, 2011

0900—1030 Presentations by sub-regional round tables/ stakeholder groups

1030—1100 Tea

1100—1230 Discussion on group presentations—agreeing, harmonizing, finalizing

1230—1300 Closing

Annex 4: List of Participants (APHCA)

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