

SUMMARY REPORT of the Forty-first Session of the Animal Production and Health Commission for Asia and the Pacific (APHCA)

Chiang Mai, Thailand, 11-14 November, 2018



Food and Agriculture
Organization of the
United Nations

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

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Summary Report

**THE
FORTY-FIRST SESSION OF THE
ANIMAL PRODUCTION AND HEALTH
COMMISSION FOR
ASIA AND THE PACIFIC
(APHCA)**

Chiang Mai, Thailand, 11-14 November, 2018

Minutes of the 78th Executive Committee Meeting and the 41st Session of APHCA

Minutes of the 78th Executive Committee Meeting

Sunday, 11 November 2018, 17:00 – 18:30 hours

- 1) The meeting was chaired by Dr. Ye Tun Win, Director General of the Livestock Breeding and Veterinary Department (LBVD) of Myanmar and APHCA Chairperson. Present were the APHCA Executive Committee (ExCom) members from Lao PDR, Nepal, Samoa and Thailand. The meeting was furthermore attended by members of the APHCA Secretariat and observers.
- 2) After a round of introductions, the members agreed on the agenda for the ExCom and approved the minutes of the 76th Executive Committee meeting held on 11 November 2017 in Nay Pyi Taw, Myanmar.
- 3) The objective of the ExCom meeting were:
 - APHCA Executive Committee to meet and prepare the APHCA Business meeting including financial report
 - To update APHCA members during the APHCA Business session on activities and finances of 2018
 - Develop and agree on APHCA workplan and budget for 2019
 - To enable the APHCA members to attend sessions at the 15th International Symposium of Veterinary Epidemiology and Economics (ISVEE 15) to be held in Chiang Mai in 12 - 16 November 2018.
- 4) Dr. Sorravis Thaneto, Director General, Department of Livestock Development, Thailand will chair the business sessions over the next days and new ExCom members need to be suggested and elected as well as the country to host the next APHCA sessions in November 2019.
- 5) The possibility to combine the next APHCA session with another event can be explored or alternatively APHCA can organize an event such as a workshop on a relevant subject back to back with the APHCA sessions.
- 6) The APHCA secretary presented the country contributions and financial report to the ExCom.
- 7) Since the start of APHCA in 1974, a total of USD 3,153,488 had been received through country contributions, FAO direct contribution and interest earned.

- 8) In 2018, up to the end of October 2018, expenditures including commitments amounted to USD 66,783 out of 200,000 USD budget agreed by 40th APHCA session. The secretariat clarified that the low expenditure rate of 2018 is due to the availability of other funding sources that have been utilized for activities instead of using APHCA budget. Therefore there is no direct link between delivery of agreed activities and the low expenditure rate.
- 9) According to data available up to October 2018, there is an outstanding balance of USD 204,398.88 of country contributions. The secretariat informed the group that some countries (notably Bangladesh, Papua New Guinea and DPRK) have outstanding balance of USD 38,430.00, 15,537.00 and 15,528.00, respectively, while noting that Bangladesh has paid its due over the last years almost continuously and that the arrears come from a longstanding transfer that was paid in a non-active account.
- 10) The ExCom requested the secretariat to proactively follow up with countries that have outstanding balance, especially those that have not paid in the recent 3 or more years. Furthermore, the ExCom members agreed, that the secretariat should ensure APHCA delegates to be copied in relevant information about contributions sent by FAO HQ to the countries.
- 11) The recurrent discussion on countries with arrears in contribution outstanding dues led to an agreement that the countries which have fulfilled the payment of their contributions in the last 5 years may have their previous arrears be “pardoned”.
- 12) The members of the ExCom agreed that the amount paid by countries is very minimal and should not be a reflection of the importance given to APHCA. The thematic work relevant to APHCA may also be delivered through other available resources within the member countries (including funds from the World Bank or Asian Development Bank). It was also mentioned that FAO regular and other (voluntary) contributions would need to be mobilized.
- 13) With regard to APHCA staffing presently there is only the Senior Animal Health and Production Officer, Katinka de Balogh, the APHCA Secretary with a livestock background left as regular programme staff. The, the Livestock Policy Officer and previous APHCA budget holder, Vinod Ahuja, has been transferred as FAO-Representative in Mongolia. Animal Production Officer Position at FAO Regional Office for Asia and the Pacific (RAP) remains vacant. Yupaporn Simuang Ngam, who has served as IT/Office Assistant, will be leaving APHCA in December 2018 as she will take up a new position. Naoko Nakagawa, Programme Officer in FAORAP Country Support Group has been appointed as new budget holder for APHCA, along with her other responsibilities apart from APHCA. Chanrit Uawongkun only exceptionally has been working on APHCA as he is being paid out of other funds.
- 14) The history of APHCA and its initial purpose were explained as most of the members were relatively new to APHCA. As FAO is mostly involved in agriculture as related to crops, fisheries and forestry, the role of livestock is generally neglected

and unfortunately COAG in 2018 did not approve the establishment of a livestock sub-commission under the FAO Committee of Agriculture

- 15) APHCA member countries need to clearly indicate their country's and region's priorities for the livestock sector as to ensure that it is addressed by FAO.
- 16) The unique position of APHCA as it encompasses countries from ASEAN, SAARC and SPC has a comparative advantage of addressing cross-border issues especially related to safe trade and movement of animals and products across the region. The development and implementation of regulations and legal frameworks pose special challenges to authorities in the member countries.
- 17) APHCA also needs to explore engaging the private sector and especially traders in the discussion of safe trade in animals and animal products.
- 18) FAO contributes to APHCA by providing staff time, including the APHCA Secretary who serves FAO RAP as Senior Animal Production and Health Officer, and the recently appointed budget holder for APHCA who is Programme Officer of the Country Support Group, providing part of their staff time to support APHCA activities. In addition, FAO Regular programme and extra-budgetary funds are often made available for activities under the APHCA banner.
- 19) The APHCA Secretary presented the proposed the workplan and budget for 2019, which proposed the amount of USD 170,000.00 (see Annex III).
- 20) The ExCom members approved the proposed workplan and budget, while recommended that a 5-year strategic plan for APHCA needs to be developed/reviewed.
- 21) The ExCom reviewed and adopted the agenda of the 41st APHCA business Session.
- 22) The Chairperson closed the meeting at 18:30.

The 41st APHCA Session

Monday, 12 November, 2018

The 41st APHCA Session was organized back to back with 15th International Veterinary Epidemiology and Economic Congress attended by approximately 700 participants and held in Chiang Mai in 12-16 November 2018

(agenda in Annex IV and list of APHCA participants in Annex V)

Opening: The 41st APHCA Session was opened by the Dr. Thanawat Tiensin on behalf of Dr. Sorraviv Thaneto, Director General, Department of Livestock Development of Thailand, APHCA Chairperson. Together with the APHCA Secretary the members from Australia, Bhutan, Bangladesh, Lao PDR, Malaysia, Myanmar Mongolia, Nepal, Philippines, Samoa, Sri Lanka and Thailand and the observer from OIE were welcomed to the APHCA business session. Dr. Tiensin provided a brief overview on the history of APHCA, stressing that although the funds available to APHCA are limited and depend on member countries' contributions the platform nevertheless enables APHCA members to voice their needs and priorities to FAO and guides the direction of livestock related issues to be addressed by FAO in the region.

- **Adoption of the Agenda:** *The Agenda was adopted.*
- **Election of the Chairperson and Members of the Executive Committee:** In view of the lack of quorum the *Executive Committee will continue as follows until the next election:*
 - Chairperson: Thailand
 - Vice-chairperson: Malaysia
 - Members: Sri Lanka, tentatively Australia
Philippines
 - Ex-officio* member: Myanmar
- **Hosting of next APHCA meeting:** Malaysia in November 2019 (location and exact date TBD)
- **Approval of the Minutes of the 76th Executive Committee Meeting and the 40th APHCA Session:** *The Minutes were reviewed and approved with condition of proposed revisions by the delegates.*
- **Issues arising from the minutes:**

The APHCA Secretariat debriefed regarding last session held in Nay Pyi Taw, Myanmar

Comments from members

 - Members recommended that the future report include a 2-3 page executive summary section
 - Sri Lanka indicated the mention of project TCP/SRL/3501 twice in the project list on page 68
 - Need to update the delegate list as some of the delegates and focal points have changed
 - The report adopted above

- **Statement of Accounts**(see Annex I): The cash balance as of 30 October 2018 was USD 390,439
 - Expenditures: preliminary data for year 2018 indicate that circa USD 66,783 were spent against a total agreed budget of USD 200.000. The secretariat reminded the group that funds allocated by APHCA were not used when other funding is made available. Most activities had been implemented as planned however at lower cost for APHCA.
 - Status of contributions: up to date (November 2018) (see Annex II), figures show that some countries currently hold an outstanding balance for more than 3 years. The ExCom had agreed to ensure with countries to settle their outstanding contributions over the last 5 years and cancel any outstanding arrears that have been due more than 5 years.
 - New list of APHCA thematic priorities was agreed on by the members with a proposed Budget for 2019 of USD 170.000 as presented on the first day of the APHCA session. After interactive discussions, APHCA activities were prioritized and the budget was approved by the membership on the last day of the APHCA business session (Annex III)

WITH THE FOLLOWING ITEMS:

➤ Cooperation among APHCA member countries (on cost sharing basis)	10,000
➤ Animal Health, Zoonoses and Food Safety (One Health including Antimicrobial Resistance Management)	30,000
➤ Animal Production and Climate Smart Livestock (including support to Dairy Asia)	35,000
➤ Emergency actions	10,000
➤ Cross-border actions	20,000
➤ Information dissemination and APHCA positioning (including website)	15,000
➤ Support to APHCA Secretariat including IT support)	35,000
➤ Capacity building for young professionals	15,000
Total: USD 170,000	

Delegates took note of the statement of accounts and on the last day approved the activities and budget

Staffing: Traditionally the FAO Livestock group (which hosts APHCA Secretariat) had human resources to draw on however with the growing pressure on resources and the recent restructuring within FAO in general and RAP office in particular, the group has suffered severe human resource attrition with presently only drawing on staff time of:

- Senior Animal Production and Health Officer, providing some staff time as APHCA Secretary (Dr. Katinka de Balogh)
- Programme Officer, Country Support Group, providing some staff time as Budget Holder (Ms Naoko Nakagawa)
- IT clerk (Ms. Yupaporn Simuang Ngam)

During the meeting the APHCA delegates recognized that APHCA was understaffed and suggested to at least recruit part time or have seconded staff from member countries assisting the APHCA secretariat.

(Re-) positioning of APHCA

APHCA members are generally the Director Generals of Livestock or Animal Health and APHCA is a mechanism for the livestock sectors to influence FAO strategy. The need to increase APHCA visibility was raised as well as having countries to enhance their engagement with APHCA.

➤ Overview of Activities:

Vinod Ahuja provided an overview of Dairy Asia's activities and current status via Skype call to the members after introducing Dairy Asia especially to the new APHCA members. Dairy Asia started in the middle of 2014 and APHCA has always played a prominent role in promoting and supporting the development of Dairy Asia. The membership is on voluntary basis and Thailand and Mongolia have shown interests to host the Secretariat. Dairy Asia requested a budget of USD 60,000 for 2019 from APHCA.

There was an interest from Malaysia to join Dairy Asia and also Lao PDR indicated the rising interest of the dairy sector in the country. Bangladesh mentioned a new project funded by the World Bank would be implemented in various livestock related sectors including dairy development (value chain and diversification of milk products). It was stressed that Bangladesh could be an example where Dairy Asia could benefit from investments made in the dairy sector and the sector from the experiences and contacts of Dairy Asia. Furthermore it was felt that the APHCA members need to drive Dairy Asia instead of the Secretariat and that member countries should become "ambassadors" of Dairy Asia identifying the needs for the dairy sector and engaging more actively in the work of the network.

The Secretary provided an overview of FAO work on livestock in the Asia Pacific region.

- **Animal Health, Zoonoses and Antimicrobial Resistance (AMR)**
- **The APHCA Climate Smart Livestock**
- **FAO meetings and projects**
- **APHCA website**

The APHCA website will migrate to become part of the cooperate FAO Website. All information needs to be placed in a FAO document repository. Members were asked to actively engage in preserving the vast information available on the present APHCA website. The new address of the APHCA website will be <http://www.fao.org/aphca>

Members were asked to provide their country information and pictures of members and focal points. It was stressed that the members will need to provide regular information to populate the website. Furthermore they were asked if they would like to have a fora and passport protected areas to enable discussions among the members

➤ **Possible APHCA Future Work Areas**

After the country presentations the APHCA members brainstormed on the areas that would need to be prioritized by APHCA. It was suggested that especially identified areas that do not receive funding through projects or other sources need special attention and some funding from the APHCA budget.

Overall the importance of **strengthening capacities of veterinary services** is key for addressing the identified issues. Also the role of veterinary para-professionals was recognized and the need to familiarize them with identifying and responding to **exotic diseases** as to ensure rapid detection through surveillance and early diagnosis. The Field Epidemiology training programme (formal program by Thailand) is exemplary for creating capacity at field level for **outbreak investigation and response**.

Members of APHCA prioritized **Animal Production and Feed/Biosecurity/Waste** as there are numerous animal health project but overall a lack of ones dealing with the various aspects of production including genetic resources. With rising milk consumption there is a need for selection of dairy cattle and implementation of good husbandry practices including feeding and biosecurity. Scarcity of land seems to be an issue in several of the APHCA member countries as well as to assure the quality of the food production chain, minimizing losses and waste. Besides professionals and para-professionals training also needs to **target farmers**.

In view of rising temperatures and some countries being especially vulnerable to Climate Change as Nepal (melting snow) and Samoa (rising sea levels) development of **climate smart livestock** was clearly prioritized. Also attention to making dairy cattle and the whole dairy value chain more climate smart as well as to enable the livestock sector to better respond (adapt) to climate change. In addition small holders are especially vulnerable to changes and shocks including **natural disasters** that are common in the Asia-Pacific region such as droughts, flooding's, hurricanes, volcano eruptions and earthquakes just to name the most common. Therefore having good disaster response and mitigation mechanisms in place and to develop disaster response strategies also for particular transboundary animal diseases as to enable the countries in the region to adapt them to their respective prevailing situations. Training in LEGS¹ could contribute to this

¹ <http://www.fao.org/emergencies/resources/documents/resources-detail/en/c/177304/>

FAO was requested to especially at headquarter level to **advocate** for more funding and attention to the **livestock sector** overall. While there are strong programmes such as the Emergency Centre for Transboundary diseases (ECTAD), these are mainly funded from extra-budgetary resources and are very donor dependent. APHCA could also play a vital role in the field of TADs control and on re-emerging diseases, especially those that do not benefit from specific projects. APHCA could enhance the collaboration and communication between countries and play an important role in facilitating **cross-border issues**. It was suggested that APHCA would map diseases and disseminate this information to countries. Special attention would need to be paid to **African swine fever** (ASF) as many of the member countries have significant swine production industries that are at stake. Besides enhancing laboratory diagnostic capacity there would be a need for overall capability and competency building on dealing with ASF introductions.

Some of the countries indicated the increasing trade deficit and need to become self-reliant on basic commodities, especially countries as Samoa but also Bhutan are reliant on the importation of many of their commodities especially related to food of animal origin or breeding stock. The introduction of brucellosis (Bhutan) and Bovine virus diarrhoea (BVD) (Sri Lanka) through breeding stock was presented, requiring **reliable certification and inspection system** to ensure quality of products and **safety of trade** through capacity building to develop animal commodity value chains, agreed trade health protocols and **ensure safety of food** of animal origin. Most APHCA countries have a very active trade and legal as well as illegal movement of animals and products across borders. Country need to be put in a position to be able to engage successfully in **trade negotiations**. This however could be outside of the scope of APHCA

During the prioritization discussion also the outmigration of youth for productive employment was mentioned and the need to design projects for donor assistance and technical cooperation. **One Health and especially neglected zoonoses** including rabies, brucellosis, tuberculosis and anthrax had been especially mentioned during the country presentations as well as **antimicrobial resistance** (AMR) as a much talked about topic. **Animal welfare** and the need for specific act/regulations was also mentioned but did not get many points from the members

ANNEX I

Financial Situation of APHCA

TRUST FUND No. 9167.00 - MTF/INT/005/MUL

Funds received from 1974 to 2018	USD
Funds received from 1974 up to 31.10.2018	
3051 Contributions received	3,057,822
3052 Cumulative interest earned ***	95,666
Total	3,153,488

*** Interest compute in December, the year 2018 interest yet to be computed

Funds received last 3 years

Contributions received in 2017	121,652
Contributions received in (October) 2018	55,553

Expenditures

Total expenditures from 1974 up to 2017	2,600,606
Expenditures in 2017 only	31,830
Expenditures by the end of October 2018 only	65,533

Expenditures in 2017

Budget line	USD
5011 Salaries Prof.	
5012 Salaries General Service	7,905
5013 Consultants	20,846
5014 Contracts	
5020 Locally Contracted Labour	
5021 Travel	975
5023 Training	
5024 Expendable Procurement	1,100
5025 Non-expendable Procurement	
5026 Hospitality	
5028 General Operating Expenses	1,004
Total Expenditure	31,830

Expenditures in 2018, up to end of October 2018, including commitments	
Budget line	USD
5011 Salaries Prof.	
5012 Salaries General Service	
5013 Consultants	48,892
5014 Contracts	
5020 Locally Contracted Labour	
5021 Travel	10,972
5023 Training	6,877
5024 Expendable Procurement	
5025 Non-expendable Procurement	
5026 Hospitality	42
5028 General Operating Expenses	
Total Expenditure	66,783

ANNEX II

Status of contributions as at 31 October 2018

Member Governments	Outstanding 31/12/2017	Contribution due for 2018	Received up to 31/10/2018	Outstanding 31/10/2018
AUSTRALIA	0.00	14,000.00	14,000.00	0.00
BANGLADESH	38,430.00	8,400.00	8,400.00	38,430.00
BHUTAN	0.00	2,750.00	2,750.00	0.00
INDIA	14,000.00	14,000.00		28,000.00
INDONESIA	16,800.00	8,400.00		25,200.00
IRAN	8,400.00	8,400.00		16,800.00
KOREA, DPRK	12,778.00	2,750.00		15,528.00
LAOS	5,850.00	2,750.00		8,600.00
MALAYSIA	16,800.00	8,400.00	8,400.00	16,800.00
MONGOLIA	2,750.00	2,750.00		5,500.00
MYANMAR	0.00	8,400.00		8,400.00
NEPAL	0.00	2,750.00	2,750.00	0.00
PAKISTAN	82.00	8,400.00	8,103.12	378.88
PAPUA NEW GUINEA	12,787.00	2,750.00		15,537.00
PHILIPPINES	527.68	8,400.00	8,400.00	0.00
SAMOA	0.00	2,750.00	2,725.00	0.00
SRI LANKA	8,400.00	8,400.00		16,800.00
THAILAND	0.00	8,400.00		8,400.00
TOTALS	137,604.68	122,850.00	55,553.12	204,373.88

ANNEX III

APHCA Proposed Activity and Budget for 2019



Proposed activities and budget for 2019 final



Activity	Cost USD
	0
Cooperation among APHCA member countries (on cost sharing basis)	10,000
Animal Health, Zoonoses and Food Safety (ASF, One Health incl AMR Management) , capacity building of VS	30,000
Animal Production and Climate Smart Livestock and Dairy Asia	35,000
Emergency actions	10,000
Cross-border actions	20,000
Information dissemination and APHCA positioning (incl Website)	15,000
Support to APHCA Secretariat (incl IT, social media)	35,000
Capacity building for young professionals	15,000
TOTAL	170,000

APHCA business session, 12-14 November 2018, Chiang Mai, Thailand

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APHCA Proposed TF BUDGET FOR 2019 final



Budget line	USD
5011 Salaries Prof.	0
5012 Salaries General Service	30,000
5013 Consultants	45,000
5014 Contracts	15,000
5020 Locally Contracted Labour	0
5021 Travel	30,000
5023 Training	30,000
5024 Expendable Procurement	5,000
5025 Non-expendable Procurement	5,000
5026 Hospitality	5,000
5028 General Operating Expenses	5,000
Total Expenditure	170,000

APHCA business session, 12-14 November 2018, Chiang Mai, Thailand

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ANNEX IV

Time-table and Agenda of APHCA Sessions (2018)

Sunday, 11 November 2018

Arrival of members

The 78th Executive Committee meeting (for APHCA executive members – Thailand (Chair), Malaysia (Vice-chair), Australia, Philippines, Sri Lanka (Members), Myanmar (ex-officio member) – between 16:00 and 17:30 hours.

Dinner organized by Department of Livestock Development (DLD, Thailand)

Monday, 12 November 2018

08:30-10:50	Opening ceremony of 15th International Symposium of Veterinary Epidemiology and Economics (ISVEE 15)
10:50 – 12:00	ISVEE Keynote address ISVEE Presentations
12:00 – 13:20	Lunch
13:20 – 17:00	41st Business Session for APHCA Opening Adoption of agenda Election of Chairperson and executive committee members Approval of report 2017 Statement of account Overview of APHCA activities 2018 <ul style="list-style-type: none">- Meetings- Brucellosis- Cross border actions- CSL- AMR- ASF- Rabies/SARE- One Health/Tripartite collaboration- Dairy Asia APHCA website Country reports Proposed work-plan and budget
19:00	APHCA dinner

Tuesday, 13 November 2018

08:30 – 17:00 ISVEE presentations

Free evening

Wednesday, 14 November 2018

08:30 – 12:00 ISVEE presentations

12:00 – 13:20 Lunch

13:20 – 17:00 41st Business Session for APHCA (cont.)

Country Presentations:

Australia

Bangladesh

Bhutan

Lao PDR

Malaysia

Myanmar

Mongolia

Nepal

Philippines

Samoa

Sri Lanka

Thailand

Adoption of proposed work-plan and budget

Closure

18:00 Gala dinner

Thursday, 15 November 2018

Departure of members

ANNEX V

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Dates and Venues (Host Countries) of APHCA Sessions

First

Bangkok, Thailand, 7-11 June 1976
Chairman: Dr J.C. Madamba (Philippines)
Vice-Chairman: Dr M.N. Menon (India)
Members of the Executive Committee:
Delegates from Malaysia, Sri Lanka and
Thailand

Third

Bangkok, Thailand, 16-21 July 1978
Chairman: Dr S. Thuraisingham (Malaysia)
Vice-Chairman: Dr A. Bandaranayake (Sri
Lanka)
Members of the Executive Committee:
Delegates from Australia, Philippines and
Thailand

Fifth

Bangkok, Thailand, 6-11 October 1980
Chairman: Dr Tim Bhannasiri (Thailand)
Vice-Chairman: Dato' Dr Osman bin Din
(Malaysia)
Members of the Executive Committee:
Delegates from India, Indonesia and Sri
Lanka

Seventh

Surabaya, Indonesia, 13-18 December 1982
Chairman: Prof. Dr J.H. Hutasoit (Indonesia)
Vice-Chairman: Dato' Dr Osman bin Din
(Malaysia)
Members of the Executive Committee:
Delegates from India, Philippines and Thai-
land

Ninth

New Delhi, In, 8-13 October 1984
Chairman: Dr O.N. Singh (India)
Vice-Chairman: Dr I.G.R. Davis (Australia)
Members of the Executive Committee:
Delegates from Nepal, Singapore and Sri
Lanka

Second

Kuala Lumpur, Malaysia, 22-26 August
1977
Chairman: Dr S. Thuraisingham (Malaysia)
Vice-Chairman: Dr A. Bandaranayake (Sri
Lanka)
Members of the Executive Committee:
Delegates from Australia, Nepal and Thai-
land

Fourth

Manila, Philippines, 3-7 September 1979
Chairman: Dr S.H. Escudero III (Philip-
pines)
Vice-Chairman: Dr Y. Prased (India)
Members of the Executive Committee:
Delegates from Bangladesh, Malaysia and
Singapore

Sixth

Colombo, Sri Lanka, 10-15 August 1981
Chairman: Dr S.B. Dhanapala (Sri Lanka)
Vice-Chairman: Dr J.H. Hutasoit (Indonesia)
Members of the Executive Committee:
Delegates from Australia, India and Malay-
sia

Eighth

Bangkok, Thailand, 3-8 October 1983
Chairman: Dato' Dr Osman bin Din (Malay-
sia)
Vice-Chairman: Dr O.N. Singh (India)
Members of the Executive Committee:
Delegates from Australia, Bangladesh and
Papua New Guinea

Tenth

Melbourne, Australia, 7-13 October 1985
Chairman: Dr R.W. Gee (Australia)
Vice-Chairman: Dr Giam Choo Hoo (Singa-
pore)
Members of the Executive Committee:
Delegates from Pakistan, Sri Lanka and
Thailand

Eleventh

Bangkok, Thailand, 7-13 October 1986
Chairman: Dr Giam Choo Hoo (Singapore)
Vice-Chairman: Dr J.A. deS. Siriwardene (Sri Lanka)
Members of the Executive Committee:
Delegates from Iran, Malaysia and Philippines

Thirteenth

Bangkok, Thailand, 25-31 October 1988
Chairman: Dr Vitoon Khumnirdpetch (Thailand)
Vice-Chairman: Dr Soehadji (Indonesia)
Members of the Executive Committee:
Delegates from India, Malaysia and Sri Lanka

Fifteenth

Bangkok, Thailand 17-22 October 1990
Chairman: Dr A.M.B.H. Babje (Malaysia)
Vice-Chairman: Dr R.N. Alcasid (Philippines)
Members of the Executive Committee:
Delegates from Australia, Iran and Pakistan

Seventeenth

Manila, Philippines, 17-21 November 1992
Chairman: Dr W A. Geering (Australia)
Vice-Chairman: Dr A.A. Motallebi (Iran)
Members of the Executive Committee:
Delegates from Indonesia, Malaysia and Thailand

Nineteenth

Tehran, Iran, 20-24 November 1994
Chairman: Dr Wipit Chaisrisongkram (Thailand)
Vice-Chairman: Dr S.K. Shrestha (Nepal)
Members of the Executive Committee:
Delegates from Australia, India and Indonesia

Twelfth

Islamabad, Pakistan, 5-10 October 1987
Chairman: Dr M. Anwar Khan (Pakistan)
Vice-Chairman: Dr A. Mustaffa Babjee (Malaysia)
Members of the Executive Committee:
Delegates from India, Philippines and Thailand

Fourteenth

Jakarta, Indonesia, 30 October – November 1989
Chairman: Dr Soehadji (Indonesia)
Vice-Chairman: Dr A.K. Chatterjee (India)
Members of the Executive Committee:
Delegates from Australia, Philippines and Sri Lanka

Sixteenth

Kuala Lumpur, Malaysia, 7-12 October 1991
Chairman: Dr R.N. Alcasid (Philippines)
Vice-Chairman: Dr W.A. Geering (Australia)
Members of the Executive Committee:
Delegates from Iran, Myanmar and Thailand

Eighteenth

Darwin, Australia, 17-20 August 1993
Chairman: Dr A.A. Motallebi (Iran)
Vice-Chairman: Dr Wipit Chaisrisongkram (Thailand)
Members of the Executive Committee:
Delegates from Nepal, Philippines and Singapore

Twentieth

Bangkok, Thailand, 30 August-2 September 1995
Chairman: Dr S.K. Shrestha (Nepal)
Vice-Chairman: Mr K. Rajan (India)
Members of the Executive Committee:
Delegates from Australia, Malaysia and Sri Lanka

Twenty-First

Kathmandu, Nepal, 3-6 March 1997
Chairman: Mr G.R. Patwardhan (India)
Vice-Chairman: Dr A.S. Abeyratne (Sri Lanka)
Members of the Executive Committee:
Delegates from Australia, Indonesia and the Philippines

Twenty-Third

Kochi (Cochin), India, 4-6 September 1999
Chairman: Dr V.K. Taneja (India)
Vice-Chairman: Dr T.A. Abilay (Philippines)
Members of the Executive Committee:
Delegates from Nepal, Papua New Guinea and Thailand

Twenty-Fifth

Manila, Philippines, 24-26 September 2001
Chairman: Dr J.Q. Molina (Philippines)
Vice-Chairman: Dr Mohd Nordin Mohd Nor (Malaysia)
Member of the Executive Committee:
Delegates from Australia, Bhutan, and Thailand

Twenty-Seventh

Lahore, Pakistan, 25-29 August 2003
Chairperson: Dr Rafaqat H. Raja (Pakistan)
Vice-Chairperson: Delegate from Indonesia
Members of the Executive Committee:
Delegates from India, Nepal and Thailand
Ex-Officio Member: Delegate from the Philippines

Twenty-Ninth

Bali, Indonesia, 26-29 September 2005
Chairperson: Dr Mathur Raidy (Indonesia)
Vice-Chairperson: Delegate from Thailand
Members of the Executive Committee:
Delegates from India, Myanmar and Sri Lanka
Ex-Officio Member: Delegate from Pakistan

Twenty-Second

Bangkok, Thailand, 22-24 June 1998
Chairman: Dr S.S.E. Ranawans (Sri Lanka)
Vice-Chairman: Mr G.R. Patwardham (India)
Members of the Executive Committee:
Delegates from Laos, Myanmar and Thailand

Twenty-Forth

Dhaka, Bangladesh, 6-9 November 2000
Chairman: Dr V.K. Taneja (India)
Vice-Chairman: Dr T. A. Abilay (Philippines)
Members of the Executive Committee:
Delegates from Bangladesh, Papua New Guinea and Nepal

Twenty-Sixth

Subang Jaya, Malaysia, 24-26 August 2002
Chairperson: Dr J.Q. Molina (Philippines)
Vice-Chairperson: Dato' Dr Mohd. Nordin Haji Mohd. Nor (Malaysia)
Members of the Executive Committee:
Delegates from Bhutan, Pakistan and Thailand
Ex-Officio Member: Delegate from India

Twenty-Eight

Chiang Mai, Thailand, 27 September – 1 October 2004
Chairperson: Dr Rafaqat H. Raja/Dr M. Afzal (Pakistan)
Vice-Chairperson: Delegate from Indonesia
Members of the Executive Committee:
Delegates from India, Nepal and Thailand

Thirtieth

Luang Prabang, Lao PDR, 22-26 October 2006
Chairperson: Dr Bounkhouang Khambounheuang (Lao PDR)
Vice-Chairperson: Delegate from Sri Lanka
Members of the Executive Committee:
Delegates from India, Myanmar and Thailand
Ex-Officio Member: Delegate from the Indonesia

Thirty-First

Chiang Mai, Thailand, 29 October – 1 November 2007

Chairperson: Dr M.J. Nunn (Australia)

Vice-Chairperson: Delegate from Nepal

Members of the Executive Committee:

Delegates from Bhutan, India and Mongolia

Ex-Officio Member: Delegate from Lao PDR

Thirty-Third

Pokhara, Nepal, 26-28 October 2009

Chairperson: Dr Prabhakar Pathak (Nepal)

Vice-Chairperson: Delegate from Thailand

Members of the Executive Committee:

Delegates from Iran, Malaysia and PNG

Ex-Officio Member: Delegate from Australia

Thirty-Fifth

Cebu, Philippines, 2-4 November 2011

Chairperson: Delegate from the Philippines

Vice-Chairperson: Delegate from Sri Lanka

Members of the Executive Committee:

Delegates from Bangladesh, Myanmar and Samoa

Ex-Officio Member: Delegate from Thailand

Thirty-Seventh

Thimphu, Bhutan, 22-26 September 2013

Chairperson: Delegate from Bhutan

Vice-Chairperson: Delegate from Thailand

Members of the Executive Committee:

Delegates from Indonesia, Pakistan and Papua New Guinea

Ex-Officio Member: Delegate from Sri Lanka

Thirty-Second

Bangkok, Thailand, 27-30 October, 2008

Chairperson: Dr M.J. Nunn (Australia)

Vice-Chairperson: Delegate from Nepal

Members of the Executive Committee:

Delegates from Bhutan, India and Mongolia

Thirty-Forth

Phuket, Thailand, 25-27 October 2010

Chairperson: Mr P Somboonprasert (Thailand)

Vice-Chairperson: Delegate from the Philippines

Members of the Executive Committee: Delegates from Australia, Samoa and Sri Lanka

Ex-Officio Member: Delegate from Nepal

Thirty-Sixth

Negombo, Sri Lanka, 21-24 October 2012

Chairperson: Sri Lanka

Vice-Chairperson: Delegate from Bhutan

Members of the Executive Committee:

Delegates from Australia, Myanmar and Samoa

Ex-Officio Member: Delegate from the Philippines

Thirty-Eighth

Chiang Mai, 3-7 November 2014

Chairperson: Delegate from Thailand

Vice-Chairperson: Delegate from Myanmar

Members of the Executive Committee:

Delegates from Australia, Indonesia, Mongolia

Ex-Officio Member: Delegate from Bhutan

Thirty-Ninth

Bangkok, 11-14 November 2016
Chairperson: Delegate from Myanmar
Vice-Chairperson: Delegate from India
Members of the Executive Committee:
Delegates from Lao PDR, Nepal, Samoa
Ex-Officio Member: Delegate from Thailand

Forty-first

Thailand, 11-14 November 2018
Chairperson: Delegate from Thailand
Vice chair-person: Delegate from Malaysia
Member of the Executive Committee:
Delegates from Australia, Philippines, Sri
Lanka
Ex-Officio Member: Myanmar

Fortieth;

Myanmar, 07-10 November 2017
Chairperson: Delegate from Myanmar
Vice chair-person: Delegate from Thailand
Member of the Executive Committee:
Delegates from Lao PDR, Nepal, Samoa
Ex-Officio Member: Thailand

List of APHCA Chairpersons by Country (as of 2018)

Australia	4	Lao PDR	1	Philippines	5
Bangladesh	0	Malaysia	6	Samoa	0
Bhutan	1	Mongolia	0	Singapore	1
India	4	Myanmar	1	Sri Lanka	3
Indonesia	3	Nepal	2	Thailand	5
Iran	1	Pakistan	3		
Korea DPR	0	PNG	0		

List of APHCA Executive Committee Members by Country (as of 2018)

Australia	13	Lao PDR	2	Philippines	9
Bangladesh	3	Malaysia	7	Samoa	4
Bhutan	6	Mongolia	2	Singapore	3
India	10	Myanmar	6	Sri Lanka	13
Indonesia	5	Nepal	8	Thailand	17
Iran	4	Pakistan	5		
Korea DPR	0	PNG	4		

ISVEE REPORT

The 41st APHCA Business Session was organized as a closed side meeting of 15th International Symposium of Veterinary Epidemiology and Economic (ISVEE 15) held from 12 – 16 November 2018 in Chiang Mai, Thailand at the Empress Hotel. The APHCA country representatives were able to attend various sessions of ISVEE 15 including the opening ceremony. ISVEE 15 was attended by more than 750 participants from 70 different countries as a global forum for interdisciplinary collaboration and communication among student, practitioners, researcher, as well as policymakers, health, veterinary public health, social science and animal health economic to learn and share their vision on veterinary epidemiology at the local, regional and international level. This symposium was supported by Thailand Department of Livestock Development and Thailand Veterinary Association, and in collaboration with FAO, APHCA, OIE and ILRI. Special sessions were organized on African swine fever. ISVEE 15 represented an opportunity for APHCA members to meet world renowned epidemiologists and to engage in networking as well as to participate in the gala dinner of ISVEE organized at the beautiful premises of Royal Flora Ratchaphruek.



APHCA Country Reports

The delegates from APHCA countries present at the APHCA business meeting provided the following presentations on their respective countries highlighting specifically:

Australia

Important development/issues

- The first progress report of the national AMR strategy for 2015-2019 was published in November 2017. The development of national AMR for Australia animal sector still in progress.
- In 2015 a PVS assessment was conducted. So far 8 different jurisdictions have been conducted and state evaluations will be conducted by OIE.
- JEE evaluation was conducted in 2017

Challenges

- Rapid increase of human population will lead to extinction of some animal species.
- The spillover of diseases from wildlife and from the environment is a threat for the emergence of infectious diseases.
- Globalization trade and AMR

Future area of work

- Farm biosecurity
- Aquaculture
- Waste management in food production including preventing animal mortality
- Sustainability of production system particularly linked to climate change

Bangladesh

Important development/issues

- Bangladesh is a densely populated country and AMR is an important issue. The National action plans on AMR (NAP), surveillance guidelines and susceptibility test protocol for AMR have been developed
- Ruminants play an important role in rural area and a national strategy for PPR eradication by 2025 has been developed
- Signed MoU between Bangladesh Food Safety Authority and DLS for lab analysis of animal origin food, inspection and monitoring, and strengthen legal framework
- Final draft of Animal and Animal Product Quarantine rules 2018 submitted to Legislative Ministry for Vetting.
- MoU between DLS and ICDDR in collaborative support in epidemiological research in zoonotic diseases
- As a part of multi-sectoral approaches DLS is closely working with One Health-Secretariat particularly on Zoonotic disease diagnosis, control and prevention.

Challenges

- **Trade:** There is requirement of strengthen border control through application of appropriate border control actions – with considering bilateral/equivalence agreements with neighbouring countries and trading partners.
- **Service Delivery:** establish, maintain or improve the operational infrastructure of the Veterinary Service in the country.
- **Animal production and health:** The animal production food safety program is very limited and needs to be extended to promote food safety and human health at slaughter sites and also to address the misuse of veterinary medicines and concerns over residues.
- **Climate change:** Livestock contribute both directly and indirectly to climate change through the emissions of greenhouse gases such as methane and nitrous oxide. So this sector required attention to mitigate the upcoming situation and can be incorporate in future as one of the important priority areas

Future Area of Work

- Thermostable vaccine
- Antibiotic resistance surveillance on bacterial gene
- Laboratory share for diseases diagnosis
- Transboundary animal diseases mapping among APHCA countries

Bhutan

Important development/issues

- To sustain animal production, Bhutan One Health Hub (Ministry of Agri, & Ministry of Health) and relevant institutes collaborate in surveillance and control of infectious diseases affecting humans/ animals
- Food safety is a concern and regulation are implemented to enhance good manufacturing practices & vigilance along the food supply chain
- Trans-boundary disease transmission (incl. imported animals) affecting disease prevention and control program
- Outbreaks of zoonotic diseases such as Rabies, Brucellosis, HPAI and others (Anthrax, Leptospirosis, FMD) are observed in last few years
- AMR is an emerging issue and antibiotic resistance is detected in Bhutan, Promotion of its rational use is a necessity

Challenges

- Improved income level, changing dietary habits, alternate land use and technology(improved breeds, better quality feed) are drivers of change in Bhutan, contributing to enhance livestock productivity
- In recent years, Bhutan experienced increase in the production, but consumption also increased (fulfilled through import, outflow of cash)
- Land and resource scarcity is limiting expansion of animal production
- Frequent outbreak of infectious diseases deterring animal productivity
- Degradation of grazing resources (especially at high altitudes) limits animal production

- Underdeveloped value chain, unorganized markets is challenges in smallholder system with scattered households

Futures area of work

- Improving capacity to detect, report and share information on livestock diseases in the country/region
- Enhancing food safety-considering sanitary and technical requirement of improved bio-security of small farms
- Improving capacity to consider one Health perspective, disease impacts (economic loss due to disease) on human, animal and ecosystem health
- Build capacity to implement animal commodity value chain and product marketing through organized channel

Lao PDR

Important development/issues

- Landlocked country with high density of livestock with movements of animals with China and Vietnam.
- Revision of veterinary law done in 2017
- Regulation of animals, animal products and quarantine has been submitted to the government and need further bilateral agreement with China.
- FMD control programme has been piloted in northern province and vaccination in high risk area (3 provinces)
- Establish MoU with Ministry of Health on zoonotic diseases; such as Anthrax, rabies, cysticercosis, etc, in order to strengthen One Health.

Challenge

- Lack of human resources due to inability of government to hire veterinary graduates.
- Low biosecurity in small scale farms
- Limited funding allocated to livestock diseases
- Limited laboratory diagnostic capacity causing weak surveillance programmes

Future area of work

- Strengthen the capacity building for ASF diagnosis
- Strengthen surveillance system on AI and FMD

Malaysia

Important Development

- OIE free status of HPAI, Nipah, Rinderpest, AHS, and FMD. However the country still in progress to achieve free status for BSE.
- HPAI outbreak in 2017 led to strategy development, stamping out and active surveillance
- Two rabies outbreaks in 2017 reported in Perak and Sarawak

Challenges

- Production, GDP, population and urbanization growth lead to high demand of animal and animal based product, therefore raise the concern against food security, responsible drug use, animal health and welfare, One Health and human livelihood, and climate change

Future area of work

- Livestock sector policy
- Food and feed safety
- One Health
- Management of smallholder to medium sized dairy and beef cattle
- Trans-boundary animal diseases and neglected diseases

Mongolia

Important development/issues

- Outbreak of FMD in the east part which has been endemic
- Independent law of “Animal Health” has been issued by parliament in 8 December 2017
- Low of export of animals and animals products due to diseases
- Lack of coordination between animal health and human health sector
- AMR issues still in very early stage of being addressed

Challenges

- Inefficient veterinary services

Future area of work

- Strengthen the position within parliament to expand area of work of the Veterinary Authority of Mongolia.
- Need for capacity building for veterinary personnel as presently still limited number of veterinarian in each district (2 veterinary per district)
- Mapping of FMD, rabies, and AI zones

Myanmar

Important development/issues

- Final revision of Animal Husbandry and Animal Health Law, Veterinary Feed and Drug Law have been drafted and presently Animal Health workers regulation is in progress.
- Stocking 1 million dose of rabies vaccines for the next 3 years and collaborate with Ministry of Health, Ministry of Education and Ministry of Environment and Forestry.
- Strengthen laboratory capacity building in food safety and application of ISO accreditation within 2019.
- NAP development for AMR of 2017-2022 as well as National Multisectoral Steering Committee and National AMR Coordinating Centre.

- High level commitment of AMU and AMR between Ministry of Health and Sport and Ministry of Agriculture, Livestock and Irrigation
- Development of GAHPs on broiler, layer, backyard poultry, commercial and small scale pig production, and apiculture.

Challenges

- Multisectoral commitment and public-private partnership
- Legal trade with China on live cattle to control trans-boundary animal diseases.
- Development of livestock value chain

Future area of work

- Encourage improvement from small scale livestock farming to semi-commercial by improving investment, technical capacity and awareness
- Linking GAHP with rural development
- AMR
- Greenhouse gas issue
- Improvement on animal feed quality and nutrition
- Land policy of land utilization for livestock

Nepal

Important development/issues

- Outbreak of transboundary animal diseases such as FMD and AI, however the slaughter of cattle is prohibited
- High prevalence of zoonotic diseases such as rabies, brucellosis and bovine tuberculosis
- Food safety and quality of meat and milk are critical issues, since the withdrawal period of antibiotics is often violated before slaughter or milk collection.
- Global warming causing melting of ice and glaciers in the Himalaya region
- Outmigration of youth from rural areas is creating labor shortage for agricultural operation/livestock farming
- High prevalence of stunting, wasting and micronutrient deficiencies due to weak food and nutrition security.

Challenges

- Major structural change with adoption of Federal Regime.
- High demand for veterinary services in rural areas however not being prioritized
- Inadequate climate smart technology in livestock to cope with climate change that pose serious threats. Further, integration of agriculture sector into NAP is under process.
- Need to strengthen capacity on controlling trans-boundary animal diseases as Nepal is highly depend on imports.

Future area of work

- Experience sharing, technology exchange, capacity building on policies and strategy, act and regulation formulation.
- Develop a strategic framework for climate smart livestock for member countries
- Improving technology of smallholder dairy farms
- Capacity building on veterinary epidemiology, diseases diagnosis, laboratory accreditation, food safety and quality control
- AMR NAP preparation and surveillance
- Animal genetic resources and conservation

Philippines

Important development/issues

- Newcastle disease outbreak in Luzon from end of 2015 to 2016
- First report of AI H5N6 in August 2017
- 2nd evaluation of Performance of Veterinary Services by OIE (PVS-OIE) in December 2016
- Implementation of GAHP in line with ASEAN standard

Challenges

- Change of administration
- Cattle importation from not FMD free countries poses threat to the FMD free status
- Implementation of the Rationalization Plan of government agencies: hiring new employee, strengthen border inspection posts, and harmonization and integration function
- Action plan to combat AMR using One Health approach
- Review and revise AI protection program based on AI H5N6 outbreak and inspection mission with other country
- Review and revise present animal health program
- Reduction of budget allocation for livestock and poultry program

Future area of work

- Mandatory certification of livestock farm for GAHP
- Develop and/or review of animal disease control program
- Capacity building on diseases diagnostic and preparedness for emerging diseases

Samoa

Important development/issues

- Improvement of local genetic stock of swine by importing live pigs from New Zealand in April 2018
- Implementation of hygienic slaughter system through HACCP certificated mobile slaughter unit, construction of static slaughter unit, and regulation for Slaughter and Meat Supply Act 2015
- Agricultural census will be conducted in 2019

- Animal production, health and welfare bill final draft completed, however pending introduction to parliament
- Poorly regulated livestock sector: low priority on diseases surveillance, limited knowledge of farming, and lack of meat inspection.

Challenges

- Shortage of veterinarians
- Remote area posing high import costs
- Limited land area
- Cultural fa'alavelave create livestock as an investment
- Return on investment low for farmers

Future area of work

- Training for farmers on nutrition and sustainable pasture management practices
- AMR surveillance in livestock production
- Surveillance on bovine tuberculosis, brucellosis, Avian Influenza, Newcastle's diseases.

Sri Lanka

Important development/issues

- Rinderpest and haemorrhagic septicemia has been eradicated
- Free from AI due to the effective active surveillance programme
- Bovine viral diarrhoea newly introduced in 2018. Positive BVD was found in calves confirmed by APHA in UK, however the calves cannot be removed due to political issues. Owing to the reason to increase quality and quantity of dairy production, therefore importation was made from Australia and together with posing threat of BVD.
- Rabies management and control currently under collaboration of Animal Health and Human Health, however there is no official regulation and resources placed for Animal Health.
- Food safety is regulated under Ministry of Health and there is no regulation for Animal Health sector to work officially on animal products.
- AMR NAP was prepared by Ministry of Health together with Animal Health and Aquatic and launched in 2017.

Challenges

- Developing dairy industry
- Importation of dairy cattle that is free from infectious diseases
- Prevent introduction of diseases
- Trade negotiation

Thailand

Important development/issues

- Lower cost of feed by encouraging farmers to use self-produced/domestic animal feed
- Promote sustainable livestock produce for smallholder farmer by increasing number of livestock.
- Harmonization of border animal movement and trans-boundary animal diseases.
- Improve livestock product to meet international export standard such as controlling AMR

Challenges

- Globalization: bilateral agreement on border trade, standard, and cooperation.
- Trans-boundary animal diseases such as AI, rabies, FMD, brucellosis and ASF
- Natural disaster
- Socio-economic change

Future area of work

- Strengthening regional harmonization of border animal movement and trans-boundary animal control
- Capacity building on animal production and health

ANNEX VI

Transboundary animal diseases and zoonoses events (organized/attended during 2018 by APHCA)

Date	Event	Location
24 February – 3 March 2018	Joint External Evaluation (JEE) in areas of Food Safety and Zoonoses and co-lead for Antimicrobial Resistance and Risk Communication	Tokyo, Japan
6-9 March 2018	ECTAD Strategic Pre-planning Meeting and the Strategic Planning Meeting with Donors on “Protecting People and Animals from Disease Threats”	FAO-HQ, Rome, Italy
22-23 March 2018	The 12th Annual Regional Meeting (AREM) FAO-Emergency Centre for Transboundary Animal Diseases (ECTAD) for Asia and the Pacific	Chiang Mai, Thailand
25-28 March 2018	Regional Workshop on antimicrobial resistance (AMR) in South East Asia	Penang, Malaysia
1-4 May 2018	WHO meeting on Driving progress towards rabies elimination	Kathmandu, Nepal
7-9 May 2018	Setting up of a Regional FAO/OIE/WHO Tripartite Secretariat as well as issues related to antimicrobial resistance and One Health	Delhi, India
6-7 September 2018	PPR stakeholder consultation and Global PPR Conference held on 7 September	Brussel, Belgium
9 September 2018	“ Emerging Food Systems related to livestock ” at the 6th Convention of the Agriculturists Institution Bangladesh	Dhaka, Bangladesh
15-19 October 2018	Tripartite meeting to accelerate prevention and control of neglected foodborne parasitic zoonoses in selected Asian countries	Luang Prabang, Lao PDR

ANNEX VII

Projects and events on Animal production and feeding

Date	Event/Project
9-13 April 2018 Islamabad, Pakistan	Support for the formulation of projects for Strengthening Markets and Rural Transformation (SMART) initiatives in Punjab, Pakistan
6-8 August 2018 Savannakhet and Ban Na Huay Lai, Lao PDR	Strengthening capacity to promote conservation and production of native livestock breeds at community level' implemented by the Department of Livestock and Fisheries, Ministry of Agriculture and Forestry of Lao PDR
Bangladesh (TCP/BGD/3607)	Addressing Feed Shortages through Exploration of Unconventional Feed Resources for Accelerated Livestock Development in Bangladesh
Bangladesh (OSRO/BGD/703/BE)	Emergency support for small-scale livestock farmers in flood-affected communities of Bangladesh
Bhutan (TCP/BHU/370#)	Strengthening capacity for enhanced animal nutrition services in Bhutan

ANNEX VIII

Relevant FAO Projects on livestock during 2017/2018

Country(s)	Project number	project title	Project Dates	Budget
Afghanistan	OSRO/AFG/402/JPN	Building resilience and self-reliance of livestock keepers by improving control of Foot-and-Mouth Disease (FMD) and other Trans-boundary Animal Diseases (TADs)	19 Nov 2014 - 18 Nov 2017, New NTE 30-11-18	16,754,787
Afghanistan	OSRO/AFG/702/CHA	Support conflict and natural disaster affected farming families with emergency agricultural livelihoods	10 Oct 2017 - 30 Jun 2018	3,000,000
Afghanistan	OSRO/AFG/804/CHA	Emergency Agriculture Livestock Assistance for Drought Affected Populations in the provinces of Hera	Jul '18 - Dec '18	2,000,000
Afghanistan	OSRO/AFG/805/BEL	Emergency livelihoods assistance to vulnerable smallholder farmers affected by drought in Badghis	Oct '18 - Feb '19	300,000
Afghanistan	OSRO/AFG/802/USA	Support for Drought-Affected Farming Families with Immediate Livestock Protection Assistance	Aug '18 - Apr '19	2,500,000
Afghanistan	TCP/AFG/3702/E	Integrated emergency livestock protection in support to drought-affected pastoralists in Balkh and Samangan provinces.	Aug '18 - Jul '19	500,000
Afghanistan		Emergency agriculture assistance to drought-affected farmers in Kandahar, Faryab and Saripul		
Afghanistan		Emergency livelihoods support to farmers in Badakshan, Nuristan, Daykundi and Kandahar	Dec '18 - Nov '19	2,750,000
Bangladesh	OSRO/BGD/801/SWE	Livelihoods Recovery for Agricultural and Fishing Communities affected by the Refugee Crisis in Cox'		
Bangladesh	OSRO/BGD/505/USA	Improving food security and public health through strengthened veterinary services in Bangladesh	01 Oct 2015 - 30 Apr 2019	3,500,000

Bangladesh	TCP/BGD/3607	Addressing Feed Shortages through Exploration of Unconventional Feed Resources for Accelerated Livestock Development in Bangladesh	Jan '18 - 31 Oct '19	250,000
Bangladesh	OSRO/BGD/703/BEL	Emergency support for small-scale livestock farmers in flood-affected communities of Bangladesh	15 Sep 2017 - 14 Sep 2018	300,000
Bhutan	TCP/BHU/370#	Strengthening capacity for enhanced animal nutrition services in Bhutan		
China	OSRO/CPR/401/USA	Immediate technical assistance to strengthen emergency preparedness for Highly Pathogenic Avian Influenza (HPAI) in China	01 Oct 2014 - 30 Sep 2019	3,348,001
Korea, DPR	TCP/DRK/3604	Improvement of Pig Breeding System	Oct 16 - 31 Oct 18, new NTE 31 Dec 2018	330,000
Fiji	TCP/FIJ	Technical assistance for the review of Fiji's Biosecurity Promulgation	Aug 18 - July '20	
India	TCP/IND/##	Development of Integrated Crop-Livestock Farming System in MP and Odisha in India	1 Aug 18 - 31 Dec 19	200,000
India	OSRO/IND/###/CHA	Time-critical saving of livestock, emergency employment, agriculture, and livelihoods recovery for communities affected by floods in Kerala.		1,163,745
Indonesia	OSRO/INS/501/USA	EPT2	NTE: 30-9-2019	
Laos	TCP/LAO/3607	Strengthening capacity to promote conservation and production of native livestock breeds at community level	1 Sep 2017 - 31 Aug 2019	289,000
Laos	TCP/LAO/3605	Support to Establishment of the Centre for Agricultural Economics and Markets (CAEM) in the Ministry of Agriculture and Forestry	Oct 16 - Mar 18, new NTE: 31 December 2018	299,000
Mongolia	TCP/MON/3603	Emergency assistance for the control of sheep and goat pox	19 May 2016 - 30 Nov 2016, new 31-5-2018	500,000
Mongolia	TCP/MON/3607	Mongolia Animal Health and Veterinary Services Support	May 2017 - 30 Jun 2018, ext 31-12-2018	100,000

Mongolia	TCP/MON/370X	Piloting the Climate-Smart Livestock approach in Mongolia		250,000
Myanmar	UNJP/MYA/022/OPS	Improving Farmer Livelihoods in the Dry Zone through Improved Livestock Health, Productivity and Marketing	01 Jul 2015 - 31 Dec 2018	4,400,000
Nepal	GCP/NEP/070/LDF	Reducing vulnerability and increasing adaptive capacity to respond to impacts of climate change and variability for sustainable livelihoods in agriculture sector (FSP)	NTE: 30-09-2019	2,689,498
Nepal		Tackling Anti-Microbial Resistance in Nepal		694,445
Pakistan	OSRO/PAK/801/JPN	The project for enhancement of Foot-and-Mouth disease control in Pakistan	NTE: 26-02-2021	2,648,276
Pakistan	OSRO/PAK/802/JCA	Project for the Restoration of Livelihoods in FATA	01-04-2018 - 31-03-2021	4,999,995
Pakistan	OSRO/PAK/601/UK	Technical Support to Stakeholder Capacity Development for Effective Implementation of Pakistan's National Disaster Risk Reduction Policy	01 Sep 2016 - 31 Aug 2018	
Pakistan	UNJP/PAK/136/UNJ	Community Resilience and Recovery Support to FATA's Returning Internally Displaced Persons	11 Sep 2015 - 31 Oct 2018	
Pakistan	GCP/PAK/138/USA	Restoring Subsistence And Commercial Agriculture In FATA	15 Feb 2017 - Dec 2019	10,000,000
Pakistan	OSRO/PAK/803/CHA			
Pakistan	UTF/PAK/139/PAK	Control of Transboundary Livestock Diseases (Foot and Mouth Disease and Peste des Petits Ruminants)	3 Jan 2017 - 30 June 2017, 30 Sep '17, new NTE: 31-12-2018	25,417,807
Pakistan	UTF/PAK/145/PAK	Risk based control of FMD in Pakistan	15 May 2018 - 14 May 2024	6,610,340
Philippines	TCP/PHI/3702	Development of Halal Agricultural Production Systems in Mindanao, Philippines	Aug 18 - Jan '20	180,000
Philippines	OSRO/PHI/801/CHA	Improve food security through access to food, livelihood restoration and increased agricultural capacities	9 monhts, from Aprl '18?	849,997

Sri Lanka	GCP/SRL/062/EC	"European Union - Support to District Development Programme" (EU-SDDP)	01 Jul 2012 - 31 May 2018	15,061,433
Sri Lanka	GCP/SRL/069/CAN	Agro-economic Development Project (ADP)	09 Mar 2015 - 30 Jun 2018	2,217,951
Timor-Leste	TCP/TIM/3609	Livelihood Recovery and Resilience Building for Improved Food and Nutrition Security of El Niño-affected Households	17 Apr 2017 - 30 Mar 2018	400,000
Tokelau	TCP/TOK/3601	Strengthening capacity in home gardening, healthy food awareness and effective biosecurity for Tokelau	January 2017 - December 2018	205,000
Tonga	TCP/TON/3602	Development of integrated cattle and sheep breeding management strategies to improve productivity	- 31 Dec 2018	294,000
Tuvalu	TCP/TUV/3703	Strengthening capacity in integrated crop – livestock farming production system for Tuvalu.	Sep '18 - Aug '20	200,000
Vietnam	OSRO/VIE/701/IPD	Improving hatchery and parent flock management practices in Viet Nam	01 Feb 2017 - 31 Dec 2017, new NTE: 31-8-2018	83,518
Vietnam	TCP/VIE/3605 (E)	Emergency assistance to restore the livelihoods of the poultry producers and poor farming communities affected by the El Niño-induced drought and salt-water intrusion effects	01 Feb 2017 - 31 January 2018, new NTE 31 July 2018, new NTE 31 Dec 2018	400,000
Vietnam	TCP/VIE/3606 (E)	Emergency assistance to communities affected by the Mirinae storm	01 May 2017 - April 2018 - new NTE 24 May 2018	295,000
Vietnam	##/##/##	Bringing broiler chickens to Urban Consumers in Vietnam		2,428,960
RAS	OSRO/RAS/502/USA	Addressing Antimicrobial usage in Asia's livestock production industry	NTE: 30 Sep 2017, new NTE 30-09-2019	4,400,000