PERSPECTIVES OF THE FEDERATION OF ASIAN VETERINARY ASSOCIATIONS, FAVA ON VETERINARY EDUCATION

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The 3rd Global Conference on Veterinary Education, Foz Do Iguazu, Brazil, 4-6 December, 2013
What is FAVA?

- **The Federation of Asian Veterinary Associations (FAVA)**
- **Founded in 1978 in Manila, Philippines**
FAVA is an organization in the Asia and Oceania with 80,000 members, regularly promoting academic activities and collaborating Agro-veterinary –industry sector for the improvement of veterinary profession in the region.
FAVA MISSION

- Enhance the quality of life of the people in the region through responsible animal care and welfare through unified professional associations

- Achievement through cooperation among FAVA members promoting disease control, veterinary education, strengthening the regional network, and connecting to other worldwide veterinary networks in development of the veterinary profession.
The 32nd FAVA council meeting, 16th FAVA Congress, 15th February 2011, Cebu, Philippines

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Emerging and re-emerging particularly zoonotic diseases and their controls (epidemiology), food security, food safety, food hygiene (veterinary public health) and an increase of veterinary profession across the spectrum to other disciplines in those diseases are the most of interest in one health concept.

The Council members' reports from the 32nd FAVA council meeting, 16th FAVA Congress, 15 February 2011, Cebu, Philippines
Perspectives of FAVA on Veterinary Education

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The first Veterinary school was established in 1910, in Pandacan, Manila, Philippines

Courtesy by Prof. Loinda R. Baldrias, CVM, UPLB, Philippines
There is at least one Veterinary School with 4-5 (B.V.Sc.) or 6 (D.V.M.) years curriculum, average 170-240 credit hours, which are depending on their systems.
There is an accreditation system of the Veterinary school in some countries, such as Indonesia, Philippines, Malaysia, Japan, Korea, Thailand etc. by the accreditation body and Veterinary Council in their countries.
The Veterinary school is now being established in Hongkong, Laos and Cambodia in 2014.
There is no Veterinary School in Singapore and Brunei Darussalam.
In some countries, the veterinarians previously graduated from Australia, Europe, India and Russia.

Most subjects in basic veterinary sciences are linked with Faculty of Medicine, while comparative aspects are taught by veterinary teachers.
Perspective of FAVA on Veterinary Education

- Each year, about 6,000 graduates become newly veterinarians in Asia.

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The agriculture related subjects such as Animal Science is taught in both Faculties of Veterinary and Agricultural Sciences.
After completing the degree, further studies at a graduate school are following either MSc., M.VSc or Ph.D programs, Diploma course as well.

The students’ admission to national veterinary school and become more in private one.
The number of the veterinarians has been increasing year by year which in accordance to changes in animal industry, especially the emergence of pet animal industry.
more veterinary medicine component has been recently introduced in the veterinary curriculum and more specialization.

These informations can be used as a reference starting point in the effort to unify the veterinary education in the region.
<table>
<thead>
<tr>
<th>University</th>
<th>Total credits</th>
<th>Core Course Credit</th>
<th>Minimum years of Study</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>University Putra Malaysia</td>
<td>171</td>
<td>155</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Airlangga University, Indonesia</td>
<td>145</td>
<td>133</td>
<td>6</td>
<td>145 credits in 4 years; the last 2 year are practices</td>
</tr>
<tr>
<td>Chulalongkorn University, Thailand</td>
<td>244</td>
<td>193</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>University of Philippines Los Banos</td>
<td>163</td>
<td>184</td>
<td>4</td>
<td>2 years of pre-veterinary medicine is required</td>
</tr>
<tr>
<td>University of Veterinary Science, Myanmar</td>
<td>282</td>
<td>244</td>
<td>5</td>
<td>The members may be error or misunderstanding</td>
</tr>
</tbody>
</table>

*Courtesy by AAVS, M.Zamri-Saad, S.Romzaih, A.Kunavongkrit, C.Valdes, and M.Thein*
Veterinary Curriculum

- Credits: 240-245 credits
- Clinical courseworks 129 credits:
  - Common Courseworks 27%
  - Companion 31%
  - Food Animals 35%
  - Clinical Electives 7%

Courtesy by Faculty of Veterinary Science, Chulalongkorn University, Bangkok, Thailand

6th ASZWM 2013, Singapore

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The New Curriculum (2008) more species orientation

- Proportion of Credits According to spp. (85 Cr)

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wildlife &amp; Zoo Animals</td>
<td>2 cr.</td>
<td>2.4 %</td>
</tr>
<tr>
<td>Poultries</td>
<td>7 cr.</td>
<td>8.2 %</td>
</tr>
<tr>
<td>Swine</td>
<td>13 cr.</td>
<td>15.3 %</td>
</tr>
<tr>
<td>Ruminants</td>
<td>13 cr.</td>
<td>15.3 %</td>
</tr>
<tr>
<td>Aquatic Animals</td>
<td>5 cr.</td>
<td>5.9 %</td>
</tr>
<tr>
<td>Caged Birds &amp; Ornamental Fishes</td>
<td>2 cr.</td>
<td>2.4 %</td>
</tr>
<tr>
<td>Dogs &amp; Cats</td>
<td>38 cr.</td>
<td>44.7 %</td>
</tr>
<tr>
<td>Horse</td>
<td>5 cr.</td>
<td>5.9 %</td>
</tr>
<tr>
<td>WildLife &amp; Zoo Animals</td>
<td>2 cr.</td>
<td>2.4 %</td>
</tr>
</tbody>
</table>

Note: Percentage values are approximate.
Consensus of the Veterinary Curriculum at present

- essential competency (Day-one-skills)
  - Prepare graduates for lifelong development within diverse veterinary careers

Courtesy by Faculty of Veterinary Science, Chulalongkorn University, Bangkok, Thailand
Opportunity of the Veterinary education in ASIA

- The Asian Veterinary Schools have opportunities to implement the **One Health strategy**
- The 5 years courses need supporting from ASEAN veterinary school to redesign curriculum.
- Unified Veterinary Curriculum in the region.
- The growing farm industry in the region, so it might need promoting the students who interested the livestock /food animal track study the veterinary medicine.
Opportunity of the Veterinary education in Asia

- **Asian Association of Veterinary Schools, AAVS**
- The Veterinary Schools need international collaboration on improve the human resource and researches on global animal health, welfare and public health in the region.
- which is agreed to the **FAVA STRATEGY PLANS (2010-2015)**

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**AAVS Member Countries**

<table>
<thead>
<tr>
<th>South Korea</th>
<th>Thailand</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indonesia</td>
<td>Mongolia</td>
</tr>
<tr>
<td>Japan</td>
<td>Philippines</td>
</tr>
<tr>
<td>Taiwan</td>
<td>Malaysia</td>
</tr>
<tr>
<td>Myanmar</td>
<td>Vietnam</td>
</tr>
</tbody>
</table>

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Perspectives of FAVA on Veterinary Education

Surabaya, Indonesia

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Perspectives of FAVA on Veterinary Education

Asian College of Conservation Medicine
hosted by ASZWM
Asian Society for Zoo and Wildlife Medicine
October, 2012, Thailand

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FAVA-Veterinary training exchange programs (1994-2004)

A total of 46 veterinarians from the countries have been trained under this program: Bangladesh, China (PROC), India, Indonesia, Korea, Thailand, Vietnam etc. Funded by JVMA and the Japan Racing Association.
FAVA Congress biannually

Bangkok, Thailand
Perspectives of FAVA on Veterinary Education

17th FAVA Congress 2013, Taipei, Taiwan

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18th FAVA Congress 2014

28th-30th November 2014, Marina Bay Sands, Singapore

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 Perspectives of FAVA on Veterinary Education

FAVA Seminar in VIV Asia 2013

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Perspectives of FAVA on Veterinary Education

FAVA – VIV ASIA Seminar 2013

13th March, 2013, Bangkok, Thailand
Perspectives of FAVA on Veterinary Education

32nd World Veterinary Congress 2013, Prague, Czech Republic

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Perspectives of FAVA on Veterinary Education

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Perspectives of FAVA on Veterinary Education
SEAVSA: Southeast Asia Veterinary Schools Associations

Perspectives of FAVA on Veterinary Education

Surabaya, Indonesia
Perspective of FAVA on Veterinary Education

SEAVSA meeting

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Perspective of FAVA on Veterinary Education

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Kuala Lumpur, Malaysia
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VET-CU ASEAN FORUM 2013

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FAVA Strategic Plan for Establishment of International Collaboration for Veterinary Education in ASEAN

- Curriculum accreditation
- Staff training
- Postgraduate Program
- Student Exchanges
- International Seminar

Courtesy by Faculty of Veterinary Science, Chulalongkorn University, Bangkok, Thailand
Perspective of FAVA on Veterinary Education

Development of DVM Curriculum in Cambodia

Royal University of Agriculture, RUA, CAMBODIA

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Key functions (Some key goals of the ASEAN Community Building):

- Safeguarding animal health and welfare
- Improving public health
- Food Security and Food safety

Perspectives of FAVA on Veterinary Education

OIE Global Conference on Veterinary Legislation *Modernising veterinary Legislation for Good Governance, Djerba, Tunisia, 2010*

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“...High quality veterinary education is of critical importance to efficient Veterinary Services and improving the quality of veterinary education is therefore a key component of any plan to improve governance of Veterinary Services.”
Food Security

- Reproduction

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Food Security

- Sustainable farming – Ex: Organic pigs

*Courtesy by Faculty of Veterinary Science, Chulalongkorn University, Bangkok, Thailand*
Food Safety: ASEAN
Antimicrobial Drug Resistance

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Clinical research

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Opportunity to collaboration

STRENGTH, KNOWLEDGE, DIVERSITY

EMERGING TECHNOLOGIES

TRANSBOUNDARY DISEASES

EASINESS OF CONNECTIVITY

HUMAN MOBILITY

ASIAN ECONOMIC COMMUNITY 2015

ASEAN, +2, +3, +5, +USA+RUSSIA

Courtesy by Faculty of Veterinary Science, Chulalongkorn University, Bangkok, Thailand

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ASEAN COUNTRY NEED ACCREDITATION BOARD THAT SUPPORTING BY OIE
EXPERTICE UNIVERSITY IN MANY FIELD
INCREASING QUALITY ASSURANCE OF SCHOOL BY ACCREDITATION
INCREASING THE DIRECTION OF ONE HEALTH

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One Vet for ASEAN Community

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Knowledges + Moral
Lead the Society
Acknowledgements:

- International Organizations and Associations, OIE, FAO, APHIS, WVA, WSPA, AAVS, SEAVSA, ASZWM, ASVP etc.
- The Faculties of Veterinary Medicine in ASEAN, in the VET-CU-ASEAN Forum, March 2013 hosted by Faculty of Veterinary Science, Chulalongkorn University, Bangkok, Thailand
- FAVA Councilors
Thank you for your attention