

# Proposal for WDA Asia-Pacific Section 2021-2022



## Asia-Pacific (WDA-AP 2019 founded)

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"WDA is all wildlife diseases, all conservation, all one health, all the time!"

### **About Wildlife Disease Association Asia-Pacific Section (WDA-AP)**

Our mission is to acquire, disseminate, and apply knowledge of the health and diseases of wild animals in relation to their biology, conservation, and interactions with humans, domestic animals and the environment in Asia Pacific area.

### **Our goals**

We intend establishing a network for wildlife health in the Asia Pacific area to be known as the WDA-AP. We cooperate with Asian Society of Conservation Medicine (ASCM), Japanese Society of Zoo and Wildlife Medicine (JSZWM) and other related organizations for conservation medicine, wild animals and one health issues. This is important for making our focus and goal stronger and passing on acquired knowledge to Asian societies which need it. Asia-Pacific Section geographic limits are described in the appendix to this document.

### **Specific targets of WDA-AP:**

- 1) Promotion of Wildlife health in Asia Pacific area
- 2) Networking for wildlife diseases surveillance and conservation medicine in Asia Pacific area
- 3) Establishment of special expert groups on wildlife health related topics in Asia Pacific area such as: Rabies, Avian Influenza, Mycobacteriosis and forensic pathology and others
- 4) Join ASCM or WDA Australasian section annual meeting
- 5) Hosting workshops for wildlife conservation
- 6) Hosting WDA International Meeting in Asia
- 7) Publication of textbooks of Diseases of Asian Mammals, Birds, etc.

### **Regional representatives based on WDA members February 2021 supporting this section:**

#### **Korea**

Dr. Ki-Jeong Na Chungbuk National University  
Dr. Jong-Taek Kim, Kangwon National University  
Dr. Ho-Seong Cho, Jeonbuk National University

#### **Japan**

Dr. Manabu Onuma, National Institute for Environment Studies, JSZWM  
Dr. Mitsuhiko Asakawa, Rakuno Gakuen University, Japan  
Dr. Keisuke Saito, Institute for Raptor Biomedicine, Japan

#### **Mongolia**

Dr. Sumiya Ganzorig, (Parasitology; JICA)

#### **China**

Dr. Hongxuan He, Chinese Academy of Sciences

#### **Taiwan**

Dr. Chen-Chih Chen, Wildlife Conservation Center, National Pingtung University of Science and Technology (Taiwan, Rabies, Asian Wild cat)  
Dr. Sera Yen-Hsueh Lai, Taipei Zoo

#### **Hong Kong**

Dr. Alex Grioni, Kadoorie Farm and Botanic Garden

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**Vietnam**

Dr. Nguyen Truong Son, Department of Vertebrate Zoology Institute of Ecology and Biological Resources, Vietnam Academy of Sciences and Technology

**Singapore**

Dr. Chia-Da Hsu, Veterinary Pathologist, Wildlife Reserves Singapore  
Dr. Pedro Martinez-Perez

**Thailand**

Dr. Parntep Ratanakorn, Mahidol University (Elephant)

**Malaysia**

Dr. Yee Ling Chong, The Education University of Hong Kong  
Dr. Sergio Guerrero--Sanchez, Wildlife management, health and conservation medicine, Wildlife Veterinarian and Research Associate at Danau Girang Field Centre

**Indonesia**

Dr. Joko Pamungkas, Primate Center, Bogor Agricultural University (nonhuman Primate Disease)

**Myanmar**

Dr. Tin Tin Myaing (Bat; FAVA)

**Bangladesh**

Dr. Matiur Rahman

**India**

Dr. Aditi Sharma, Rajaji Tiger Reserve  
Dr. Ajay Deshmukh, Wildlife SOS

**Sri Lanka**

Dr. Manjula Jayasinghe (Currently in New Zealand)

**Nepal**

Dr. Iswari P Dhakal, Agriculture and Forestry University, Rampur

**Bhutan**

Dr. Kinley Choden, Nature Conservation Division, Department of Forestry

**Philippine**

Dr. Desamarie A. P. Fernandez, University of the Philippines Los Baños

## ***Disease Expert Groups***

### **Rabies**

Dr. Chen-Chih Chen, NPUST, Taiwan

### **Mycobacteriosis**

Dr. Takayuki Wada, Osaka City University, Japan

### **Avian Influenza**

Dr. Manabu Onuma, National Institute for Environmental Studies, Japan

### **Forensic Pathology**

Dr. Chia-Da Hsu, Wildlife Reserves Singapore, Singapore

Dr. Tokuma Yanai, Okayama University of Science, Japan

### **Marine mammals**

Dr. Yuko Tajima, National Museum of Nature and Science, Japan

### **Asian Wildcat Conservation**

Dr. Chen-Chih Chen, NPUST, Taiwan

Dr. Nguyen Truong Son, Vietnam Academy of Sciences and Technology, Vietnam

Dr. Tokuma Yanai, Okayama University of Science, Japan

### **Asian Bat / Small mammal Conservation**

Dr. Nguyen Truong Son, Vietnam Academy of Sciences and Technology, Vietnam

Dr. Tin Tin Myaing, Myanmar

Dr. Tokuma Yanai, Okayama University of Science, Japan

### **Raptor**

Dr. Keisuke Saito, Institute for Raptor Biomedicine, Japan

### **Non-human Primate**

Dr. Iori Itagaki, Shiga University of Medical Science, SPDP, Japan

Dr. Joko Pamungkas, Primate Center, Bogor Agricultural University, Indonesia

Dr. Tokuma Yanai, Okayama University of Science, Japan

### **Zoo Vet Networking**

Dr. Sera Yen-Hsueh Lai, Veterinary Department, Taipei Zoo, Taiwan

## **Roles and activity of Disease Expert Groups should be reconsidered in 2021**

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## Rules of WDA-AP

1. This WDA section is named as "WDA Asia-Pacific Section, abbreviation WDA-AP".
2. The purposes and activities of this WDA Section are to promote the WDA Mission to acquire, disseminate, and apply knowledge of the health and diseases of wild animals in relation to their biology, conservation, and interactions with humans and domestic animals.
  - A. The promotion, progression and development of research and surveillance on zoo and wildlife health and diseases, wildlife conservation and ecosystem sustainability in the Asia Pacific region
  - B. Promote the one health education for students and other relevant professionals
  - C. To achieve the aims above the Section will conduct the following activities.
    - (i) Hold an annual scientific meeting with Asian Society of Conservation Medicine (ASCM) or other related scientific meetings.
    - (ii) Support for young researchers and students
    - (iii) Any other activities which are necessary to achieve the purpose of this society
3. Rules of business  
WDA-AP shall organize its business as stipulated by WDA Bylaws Article IX on WDA sections.
4. Executive Committee
  - A. An executive committee constituted as follows will lead this Section:

### **WDA-AP Officers 2021-2022 (2 year)**

**Chair:** Dr. Toshio Tsubota, Hokkaido University, Japan

**Vice Chair:** Dr. Seong Chan Yeon, Seoul National University, South Korea

**Former Chair:** Dr. Tokuma Yanai, Okayama University of Science, Japan

**Secretary:** Dr. Chen-Chih Chen (2019-2021), Taiwan

**Treasurer:** Dr. Ho-Seong Cho (2019-2021), South Korea

**Auditor:** Dr. Joko Pamungkas Bogor Agriculture University, Indonesia

**International Representative:** Dr. Alice Lau Ching Ching, Hokkaido University, Japan

**Student Representative:** Dr. Matiur Rahman, Bangladesh

**Newsletter Editor:** Dr. Liesbeth Frias, Nanyang Technological University, Singapore

**Homepage Editor:** Dr. Sergio Guerrero-Sanchez, Danau Girang Field Centre, Malaysia

**Publication Editor:** Dr. Mitsuhiro Asakawa, Rakuno Gakuen University, Japan

**Federation of Asian Veterinary Association (FAVA) related matters:** Dr. Tin Tin Myaing, Dr. Tokuma Yanai

AND

**Regional Representatives from WDA-AP countries** (one to a few representatives per country)

AND

**Disease Expert Groups**

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**B.** The initial WDA officers' term begins upon Council approval of the Section. An election should be planned for in late 2022 or early 2023.

**5. Logo**

WDA-AP shall have a logo as presented below:



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## Appendix to the Proposal

### **WDA Asia Pacific geographic area of influence**

In order to help the new section focus on increasing membership in their geographical area, the following limits are proposed and based on UN M.49, a standard for area codes used by the United Nations for statistical purposes, developed and maintained by the United Nations Statistics Division. Scientific, cultural and historical perspectives have also been taken in consideration in this proposal.

The WDA Asia-Pacific section area of influence and membership shall have the following geographic boundaries:

- All countries and territories in the Asian continent as far west as Mongolia, China and India (please consult map for details).
- All countries and territories located in the Pacific Micronesia region: Palau, Federated States of Micronesia, Marshall Islands, Kiribati, Nauru

#### ***Special remarks:***

For matter of clarification the geographic limits/areas of influence of the WDA-Australasia section, are as follows:

- o Australia and its dependencies (Norfolk, Christmas and Cook Islands)
- o New Zealand and its dependencies and associated territories (Cook, Niue and Tokelau Islands)
- o Papua New Guinea
- o Pacific Island States of Melanesia: Solomon Islands, Vanuatu, Fiji

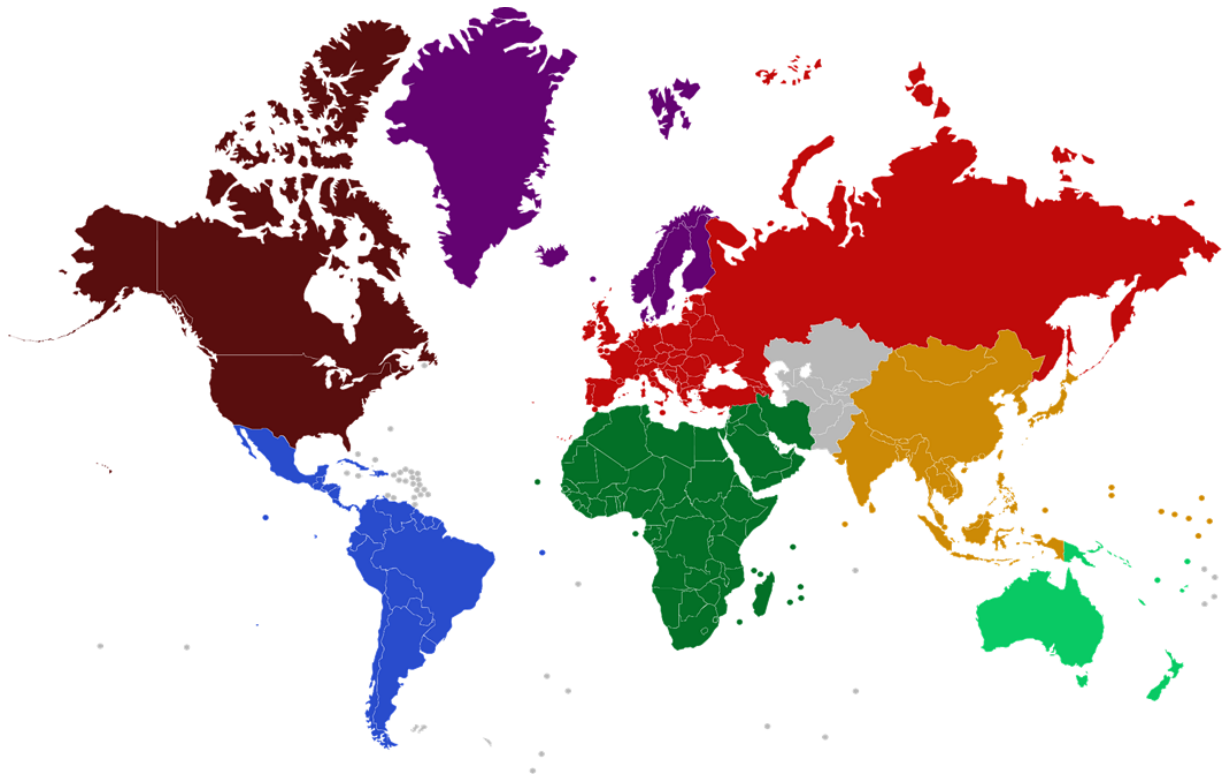
**Western Papua** is part of the Republic of Indonesia, and as such joins the rest of the country in the Asia-Pacific Section.

**Russian Federation:** The country has traditionally been linked to the European Section. No changes to made at this stage.

**Central Asian countries (*in grey in the map*):** These shall for the time be not belong to any geographic section. WDA will create a task force to help increase awareness and membership in the region.

**Hawaii:** Hawaii is for all matters as the USA not part of any geographic section of WDA.

**Polynesian Pacific Sovereign States** (Tonga, Tuvalu, Samoa). Both WDAA and WDA-AP defer to a later stage the discussion concerning these 3 countries.



Regional members of the WDA Asia-Pacific Section:

	Bangladesh
	Bhutan
	Brunei
	Cambodia
	China (PRC)
	East Timor
	India
	Indonesia
	Japan
	Laos
	Malaysia
	Maldives

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	Mongolia
	Myanmar
	Nepal
	North Korea
	Philippines
	Singapore
	South Korea
	Sri Lanka
	Taiwan
	Thailand
	Vietnam
	Federated States of Micronesia
	Kiribati
	Marshall Islands
	Nauru
	Palau

## **Wildlife Disease Association-Asia Pacific section Minute of First Officer Member Online Meeting**

Date: 2021.Jul.01

Time: 17:00 (UTC +9)

Place: Online meeting

Venue: 1<sup>st</sup> WDA-AP Office Member Meeting

### 1. Attendees

Chairperson: Dr. Toshio Tsubota, Hokkaido University, Japan

Former Chair: Dr. Tokuma Yanai, Okayama University of Science, Japan

Secretary: Dr. Chen-Chih Chen, National Pingtung University of Science and Technology, Taiwan

Auditor: Dr. Joko Pamungkas, Bogor Agriculture University, Indonesia

International Representative: Dr. Alice Lau Ching Ching, Hokkaido University, Japan

Newsletter Editor: Dr. Liesbeth Frias, Nanyang Technological University, Singapore

Homepage Editor: Dr. Sergio Guerrero-Sanchez, Wildlife veterinarian and disease ecologist

Publication Editor: Dr. Mitsuhiro Asakawa, Rakuno Gakuen University, Japan

### 2. Agenda

#### a. Self-introduction

Office members introduce themselves.

#### b. WDA-AP Proposal 2021-2022 (Tsubota)

**Dr. Tsubota** presented the proposal of WDA-AP proposal 2021-2022. The proposal was originally from Dr. Yanai and modified in 2021. Please see the attachment document.

**Dr. Yanai:** The relationship between WDA-AP and ASCM. We might have a discussion with ASCM. We can work together and collaborate with ASCM and focus on wildlife disease and conservation medicine. Currently, ASCM has some weak point and WDA-AP could support them.

**Dr. Tsubota:** Thanks for Dr. Yanai's valuable comment. Because WDA-AP was just established and we considered that WDA-AP is an independent association. Therefore, it would be better to focus on the development of our own association and looking for chance to collaborate with ASCM.

Lies: What is the duty of country representatives?

Dr. Tsubota: The main duty of regional representatives is to help WDA-AP to share the information and encourage professions and students to involve in the activities of WDA-AP.

**Dr. Joko:** The member of WDA-AP. If a person want to join WDA-AP, should the person need to be the member of WDA.

Dr. Tsubota response: response to the membership question. If a person is the member of WDA. Then he or she can select to join a specific section, such as WDA-AP.

**c. Membership (Tsubota)**

Dr. Tsubota share the information of membership in WDA-AP. There is currently 50 members in the section.

**d. Budget (Dr. Ho-Seong Cho)**

Dr. Tsubota: So far the budget of WDA-AP is 5660.51 USD. However, due to Dr. Cho is absent from officer meeting. We are not able to share the detail information. Expenditures for this year should be made: 500 USD for ASCM conference, 400 USD associate membership fee for FAVA (200 USD/annually), workshop expenses (350 USD as honorarium for speakers).

Dr. Yanai: Please keep 1500 USD for the use of publication fee and 400 USD for paying FAVA annual fee for WDA-AP section.

Dr. Tsubota: yes, those fees are reserved

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**e. Workshop proposal of WDA-AP: (Appendix 1)**

Dr. Chen-Chih Chen introduced the proposal of workshop entitled: Applying the Geographic Information System (GIS) for Presenting and analysis of Wildlife Disease Data. The workshop will held as on-line workshop on 2021, November, 24<sup>th</sup>.

Dr. Tsubota: the joint Conference of ASCM/JSZWM in Hokkaido University now is open for registration. Please registration and submit to abstract to the conference.

Dr. Joko. What is the registration fee of joint Conference of ASCM/JSZWM.

Dr. Alice Lau: The registration fee is the same of on-site and on-line.

Dr. Tsubota: During the conference, we will set a WDA-AP business meeting on-line. Please join the business meeting.

**f. Newsletter**

Dr. Liesbeth Frias: Next newsletter will be come out after the ASCM/JSZWM conference. We might be able to interview the keynote speaker and share the content of conference in the newsletter.

**g. Homepage (Sergio)**

Sergio will be in touch to ask for photos to use for the Facebook page, twitter and so on.

**h. MAF sponsorship (Tsubota): Appendix 2**

Dr. Tsubota: We have 9 person who are selected to receive the sponsor to join the WDA conference 2021 in Spain.

**i. Others (Everyone)**

Dr. Asakawa: About the publication of book entitled: Progress of Zoo and Wildlife Medicine in Japan and Asian Countries. Now I am preparing the book but we are still lacking of the manuscript. Please help

Dr. Tsubota: The 2<sup>nd</sup> office member meeting will be held around 2<sup>nd</sup> ,August. Chen-Chih Chen will send every office members a form to survey the best suitable day for everyone.

Meeting closed at 17:00 PM

## **Appendix 1: Workshop proposal-WDA-AP 2021**

# **Applying the Geographic Information System (GIS) for Presenting and analysis of Wildlife Disease Data**

**Date of workshop (tentative): 2021, November, 24th**

## **1. Background**

Geographic Information System (GIS) is an essential tool to present the datasets with spatial elements through the creation of maps. Based on the knowledge of spatial epidemiology, the applications of GIS software have increased in the capacity to analyse the relationship between diseases and various factors which contain spatial information. Furthermore, based on the result of the analysis, GIS could be used to present the patterns and prediction of disease data. The application of GIS for wildlife disease data presentation and analysis is especially useful as disease occurred in a specific population and habitat is usually spatial aggregated and related to landscape risk factors.

In recognizing the valuable application of GIS software in wildlife disease data analysis. Asia-Pacific Section of Wildlife Disease Association is organizing the workshop to introduce the basic use of GIS for wildlife disease data analysis.

## **2. Workshop objectives and outcomes**

The overall objective of the workshop is to introduce the basic concept of spatial analysis of wildlife disease data using GIS software. Participants who attend the workshop should:

- a. Improved their knowledge and skill of spatial epidemiology.
- b. Familiar with the GIS software and data format.

- c. Be able to visualize and describe the patterns of spatial distribution of disease data.

### 3. Workshop programme

The workshop programme consists of 3 hours course (on-line). The contents of the on-line workshop was listed in the table below.

#### Course content: webinar style

Time	Lecture	Candidate speaker
40 min presentation 15 min Q&A	Introduction to GIS and spatial analysis	Dr. Sergio Guerrero-Sanchez <b>Wildlife veterinarian and disease ecologist</b>
40 min presentation 15 min Q&A	Spatial epidemiology of malaria	Dr. Kimberly Fornace <b>London School of Hygiene and Tropical Medicine</b>
40 min presentation 15 min Q&A	Tick-borne disease and GIS	Mr. Albertus Stephanus Louw <b>Hokkaido University</b>

#### 4. Budget:

100 USD for speaker, Totally 300 usd for speaker

Processing fee and Transection fee was estimate to be around 50 USD.

Totally 350 USD will be needed for the workshop.

#### 5. Target attendents

- a. Students in ecology, veterinary science and conservation.
- b. Veterinarian who are interested in spatial epidemiology.
- c. People who are interested in this field.

## **Appendix 2: Information of Morris Animal Foundation sponsorship**

All

We received \$7,000 from Morris Animal Foundation to fund students or early career professionals to attend the annual meeting.

At the current registration rate of \$110 for student registrations that will allow each section to send 9 individuals. They don't have to be veterinarians or veterinary students, they just have to be engaged in the study of wildlife health at some level. If you don't have 9 such individuals in your section you may want to donate your extra funds to another section.

I hope that this will allow more WDA members to attend the annual meeting. Thanks to Pedro and Eduard who helped me with some compelling points in the application for why this would be so valuable to our students.

Cheers,

Peri

Peregrine Wolff, DVM  
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