The 2nd Announcement

The Third Asian Wild Cat Conservation Workshop 2019

Objectives: To exchange and share the information as well as the research works on conservation, ecology, pathology, management, and others of Asian wildcats, including leopard cats.

Background: During the 9th International Meeting of Asian Society of Conservation Medicine (ASCM) in 2016 in Taipei Zoo, we successfully organized the “Wildcat Conservation” session. Various experts working on leopard cat from many countries presented about the conservation work done on the ecology, biology, medicine, pathology, and epidemiology. To further strengthen the networking, we Wildlife Disease Association Asian Pacific (WDA-AP) Section proposed to organize the annual workshop, which will travel around Asian wildcat habitats, including leopard cats. Core members of the network are from Japan, Taiwan, Korea, Vietnam, Malaysia, Thailand, India, Sri Lanka, and Bhutan. In 2017, as the initiative of the networking, the first workshop for Asian Wildcat Conservation jointed with Tsushima Forum 2017 was held, followed by Iriomote Island, Japan in 2018. This year my colleagues and I are pleased to organize the 3rd annual workshop in Taipei and Nantou County of Taiwan. The following is the years and venue proposed for this workshop.

The 1st Workshop for Asian Wildcat Conservation in 2017 in Tsushima (Japan)
The 2nd Workshop for Asian Wildcat Conservation in 2018 in Iriomote (Japan)
The 3rd Workshop for Asian Wildcat Conservation in 2019 in Taipei and Nantou (Taiwan)
The 4th Workshop for Asian Wildcat Conservation in 2020 in Vietnam (not fixed)
The 5th Workshop for Asian Wildcat Conservation in 2021 in Malaysia (not fixed)
Host in 2019: WDA-AP/ Tunghai University/ Endemic Species Research Institute/ Taipei Zoo
Co-host: Okayama University of Science

Contact person:
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Tokuma Yanai, WDA-AP; Veterinary College, Okayama University of Science
Email: tokumayanai@gmail.com

Venue:
Taipei Zoo, Taipei City (December 6)
Endemic Species Research Institute in Nantou County (December 7-8)

Agenda for the 3rd WDA-AP Asian Wildcat Conservation Workshop:

Date: December 5-9, 2019

December 5 (Thursday)
• Arrive at Taoyuan International Airport
• From Taoyuan to Taipei Railway Station

Pick up at the Taoyuan airport for Taipei City. Getting together in Taipei Zoo, Taipei for icebreaker and welcome party. Stay two nights at a hotel near Taipei Zoo.

December 6 (Friday)
09:00-09:30 Registration
09:30-09:50 Opening remarks
09:50-12:30 Oral Presentation (5PIs, each for 30 minutes including Q & A)
12:30-13:50 Lunch
13:50-15:30 Oral Presentation (3PIs)
15:30-17:00 Zoo Tour including leopard cat exhibition area
18:00-21:00 Banquet

December 7 (Saturday)
09:30-11:00 Oral Presentation (3PIs)
11:00-12:30 Poster session & discussion
“How to establish grovel network for wildcat conservation”
12:30-14:00 Lunch
14:00-17:30 Trip to Miaoli County to visit habitat of leopard cat and conservation NGO group
17:30 Arriving Endemic Species Research Institute
18:30 Dinner and Free talking
Stay at Guest House of Endemic Species Research Institute in Nanto County

December 8 (Sunday)
08:00-09:00 Breakfast
09:00-10:00 Introduction to Action Plan of Leopard Cat in Taiwan
10:00-13:00 Visit to habitat of leopard cat
13:00-14:00 Lunch
14:00-18:00 Workshop
18:30-21:00 Farwell Party

December 9
Departure from Taichung High Speed Railway Station
Leave for each country from Taoyuan International Airport

Attendance fee: 200 USD
(Including transportation and accommodation from December 6, 3 nights)

Deadline for registration: October 10
Number limitation: 30 people can be accepted because of transportation and accommodation
(First come, first served)

Posters Presentation for Information Exchange on Wildcats:
Any poster presentations including previously presented can be available for this poster session on leopard cat conservation.

Abstracts should be sent to:
Abstract example:

Forensic Necropsy of Tsushima Leopard Cats for the conservation

Tokuma Yanai¹, Mari Yamauchi¹, Shizuka Kageura¹
1- Lab of Veterinary Pathology, Gifu University, Gifu, Japan
2 - The Tsushima Wildlife Conservation Center, Tsushima, Nagasaki, Japan

Tsushima Leopard Cat is one of seriously endangered subspecies of a Bengali wildcat. The estimated population is around 70-100 (2010). The Tsushima Wildlife Conservation Center is in charge of habitat control as well as rescue and release, and all carcasses found were sent to Gifu University for forensic necropsies. Recently, the forensic pathology has been noticed as an useful method to get various information needed for conservation of endangered species, including the cause of death, nutrition, and diseases surveillance as well as collecting genetic samples.

From 2014 to now over 20 heads of Tsushima Leopard Cats found dead in Tsushima and some zoo were sent to Gifu University for complete necropsy. At necropsy, after gross examination, various organs and tissues were collected for histopathology and genetic analysis. Histological samples are fixed in 10% neutralized formalin and genetic samples are preserved at -30 or -80°C. The individual data including gross and microscopic reports as well as genetic samples, gastric contents and remaining carcasses are sent back to the center in Tsushima for preservation.

The causes of death for 20 cases found in Tsushima were mainly traffic accidental deaths, and a few infants died in zoos were cause-unknown, probably weakness or maternal neglect. Traffic accidental cases got multiple bone fractures, usually head and neck area with frequent eye ball protrusions, as well as pulmonary or hepatic multifocal petechiae and hemothax and hemoperitonium. Histologically, there were various subclinical background infectious diseases including high prevalence of pulmonary nematode infections (over 50%) with a few seriously affected cases and occasional meningeal nematode infections which might bring depression to the animals. Other occasional myocardial hepatozoonosis and frequent intestinal nematode infection might affect health condition of animals to some extent. Forensic pathological study may be useful for assessment of health conditions of wild animals.

Key words: Forensic pathology, histopathology, parasite, conservation

Note: Do not exceed 2 pages (A4 size)
Sample of registration form

<table>
<thead>
<tr>
<th>Registration Form for 2019 Asian Wildcat Conservation Workshop</th>
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<tbody>
<tr>
<td>1) Name and Title, Contact information (e-mail address)</td>
</tr>
<tr>
<td>Tokuma YANAI</td>
</tr>
<tr>
<td>Okayama University of Science, Veterinary College</td>
</tr>
<tr>
<td>(Email: <a href="mailto:tokumayanai@gmail.com">tokumayanai@gmail.com</a>)</td>
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<tr>
<td>2) Current Position and Affiliation</td>
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<tr>
<td>Professor, Laboratory of Wildlife/Forensic Pathology</td>
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<td>3) Professional Experiences on wild cat conservation</td>
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<tr>
<td>Forensic Pathology of Tsushima leopard cat, 2014-2019</td>
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<td>4) Major Activity at the current position</td>
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<td>The wildlife forensic pathology</td>
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<td>5) Participation to the Asia Wildcat conservation WS in 2017 or 2018</td>
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<tr>
<td>Yes (2017 or 2018, both) No</td>
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<td>6) Any request</td>
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</tbody>
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Please copy and use this as registration form.
Please email to Tokuma Yanai
Laboratory of Wildlife and Forensic Pathology, Okayama University of Science
E-mail: tokumayanai@gmail.com and taeko_yanai@hotmail.com (Both)
The first Asian Wildcat Conservation Workshop in Tsushima in December 2017. A short tour to a natural forest near the habitats of Tsushima leopard cat. Thirty people joined from 6 countries (India, Malaysia, Thailand, Taiwan, Korea and Japan).
The second workshop on Iriomote Island in December 2018. Thirty people including local people joined the workshop.
Please join the third Asian Wildcat Conservation Workshop in Taiwan!!