



Mahidol University

IAEA
International Atomic Energy AgencyWorld Organisation
for Animal Health**WOAH Collaborating Centre Training on Sample Collection for Avian Influenza****and Environmental Surveillance****10 – 14 November 2025**

Day 1: Monday 10 November 2025			
8.30 – 9.00	Registration and welcoming of participants	Local host	MUVS*,
Time	Session 1: Opening and Material Orientation	Chairperson: Lesa Thompson Modulator: Anuwat Wiratsudakul	Salaya,
9.00 – 9.30	Opening remarks	Walasinee Sakcamduang & Lesa Thompson	Nakhon
9.30 – 9.45	<u>Overview of WOA and the designation of the WOA Collaborating Centres in the Asia-Pacific Region</u>	Lesa Thompson	Pathom
9.45 – 10.00	<u>Global and regional situation in Avian Influenza</u>	Jonathan M Sleeman	
10.00 – 10.15	<u>Integrating Event-Based Surveillance into Avian Influenza Monitoring Systems</u>	Jacqueline Lusat and Paolo Tizzani	
10.15 – 10.30	<i>Coffee Break</i>		
10.30 – 10.50	Current public health concerns of avian influenza	Martha Montgomery	
10.50 – 11.05	<u>One Health approach for surveillance practices</u>	Soawapak Hinjoy	
11.05 – 11.25	<u>Animal Census and application on AI surveillance</u>	Serge Morand & Kittipong Chaisiri	
11.25 – 11.45	<u>Overview sample and data collection, and diagnosis: WOA guidelines/ Terrestrial manual updates</u>	Steve Unwin & Jemma Bergfeld	
11.45 – 13.00	<i>Lunch</i>		
Time	Session 2: Sample Collection	Chairperson: Kinley Choden Modulator: Anuwat Wiratsudakul	
13.00 – 13.15	<u>Sample collection in live animals</u>	Witthawat Wiriyarat	
13.15 – 13.30	<u>Sample collection from the carcasses of avian, and other susceptible wildlife (Video recording)</u>	Megan Jones/Carmen Smith	
13.30 – 13.45	<u>Genetic diversity and molecular characterization of avian influenza viruses in wildlife</u>	Prasert Auewarakul	
13.45 – 14.00	<u>Environmental sample collection</u>	Jonathan M Sleeman	
14.00 – 14.15	<u>Biosafety and Fieldwork Risk Management</u>	Steve Unwin	
14.15 – 14.30	<u>Personal Protective Equipment (PPE)</u>	Ladawan Sariya	
14.30 – 14.45	<i>Coffee Break</i>		
14.45 – 15.15	<u>eDNA surveillance</u>	Eileen Koh & Kelvin Ho	
15.15 – 16.15	eDNA – Lab training	Kanokporn Triwitayakorn	
16.15 – 17.15	Avian influenza virus detection by real-time RT-PCR – Lab training	Ladawan Sariya	
18.00 – 21.00	Welcome dinner		

Day 2: Tuesday 11 November 2025			
Time	Session 1: Laboratory Training and Biosafety	Chairperson: Witthawat Wiriyarat Modulator: Anuwat Wiratsudakul	MUVS, Salaya, Nakhon Pathom
8.30 – 10.30	eDNA – Lab training (Cont.) 1 & 2	Eileen Koh & Kelvin Ho	
10.30 – 10.45	Coffee Break		
10.45 – 12.00	Exercises: PPE training and biosafety for field work	Steve Unwin, Erin Davis, Jemma Bergfeld, and Ladawan Sariya	
12.00 – 13.00	Lunch		
Time	Session 2: Wildlife Carcass Sampling Procedures	Chairperson: Sarin Suwanpakdee Modulator: Anuwat Wiratsudakul	
13.00 – 16.00	Lab training: Sample collection from carcasses	Erin Ball and Patcharaporn Kaewmong	
16.00 – 19.00	Travel to Khao Kheow Open Zoo, Chon Buri		
19.00 – 21.00	Dinner		
Day 3: Wednesday 12 November 2025			
Time	Session 1: Wildlife Carcass Sampling Procedures	Chairperson: Sarin Suwanpakdee Modulator: Anuwat Wiratsudakul	ZPOT***, Chon Buri
9.00 – 12.00	Lab training: Sample collection from carcasses	Erin Ball and Piyaporn Kongmakee	
12.00 – 19.00	Lunch & Travel to Bueng Boraphet Non-hunting Area, Nakhon Sawan		
19.00 – 20.00	Dinner		
Day 4: Thursday 13 November 2025			
Time	Session 1: Wildlife Sample Collection and Trapping	Chairperson: Sarin Suwanpakdee Modulator: Anuwat Wiratsudakul	DNP****, Nakhon Sawan
5.30 – 6.15	Breakfast		
6.15 – 10.00	Field sample collection and animal trapping in wild birds using a mist net <ul style="list-style-type: none">● Bird watching● Setting up the mist net● Bird banding and sample collection	MoZWE and DNP	
10.00 – 10.30	Coffee break		
10.30 – 12.00	Demonstration of wild bird trapping using Cannon net	DNP and MoZWE	
12.00 – 13.00	Lunch		
13.00 – 15.00	Quiz in the curriculum/ a brief for animal census/coffee break		
15.00 – 16.30	Demonstration of wild duck trapping	DNP and MoZWE	
Time	Session 2: Esimation of Wildlife Population	Chairperson: Serge Morand Modulator: Anuwat Wiratsudakul	
16.30 – 18.00	Exercises: Animal census in wild birds	Serge Morand & Kittipong Chaisiri	
18.00 – 19.00	Dinner		
Time	Session 3: Animal Trapping	Chairperson: Sarin Suwanpakdee Modulator: Anuwat Wiratsudakul	
19.00 – 21.00	Field sampling and animal trapping in wild birds using Hand net	MoZWE and DNP	

Day 5: Friday 14 November 2025			
Time	Session 1: Workshop summary	Chairperson: Lesa Thompson Modulator: Anuwat Wiratsudakul	Meeting room, Nakhon Sawan
9.00 – 11.30	Discussion and feedback	All experts and participants	
11.30 – 11.45	Closing remarks	Lesa Thompson	
11.45 – 13.00	Lunch		
13.00 – 16.30	Travel back to MUVS, Salaya, Nakhon Pathom		

* MUVS: Faculty of Veterinary Science, Mahidol University

**MoZWE: the Monitoring and Surveillance Center for Zoonotic Diseases in Wildlife and Exotic Animals,
Faculty of Veterinary Science, Mahidol University

***ZPOT: Zoological Park Organization of Thailand

**** DNP: Department of National Parks, Wildlife and Plant Conservation