



AIT
Asian Institute of Technology



Department of National
Parks, Wildlife and Plant
Conservation, Thailand



Bangkok Conference on Science, Technology, and Innovation for Addressing Wildlife and Forest Crimes & Attaining SDGs

Date : 28 – 30 August 2018

Venue : Asian Institute of Technology, Thailand

Collaborators:



ASEAN Centre
for Biodiversity



European
Union



Lusaka
Agreement
Task Force



National Institute
for Environmental
Studies, Japan



Remote Sensing
Technology Center
of Japan



SAWEN
South Asia Wildlife
Enforcement
Network



United Nations
Development
Program (TBC)



UNOOSA
United Nations
Office for Outer
Space Affairs

CONFERENCE COMMITTEE

Patron of the Conference

H.E. General Surasak Kanchanarat, Minister Ministry of Natural Resources and Environment, Thailand

Honorary Committee

Pinsak Suraswadi, Dr. Deputy Director General, Department of National Parks, Wildlife and Plant Conservation, Thailand

Simonetta Di Pippo, Ms. Director, United Nations Office for Outer Space Affairs

Theresa Mundita Lim, Dr. Executive Director, ASEAN Center for Biodiversity

Worsak Kanok-Nukulchai, Prof. President, Asian Institute of Technology

Yoshifumi Yasuoka, Prof. Professor Emeritus, University of Tokyo, Japan

Programme Committee

Ali Saleem, Mr. Member, UN Expert Advisory Group on Youth, Peace and Security

Bonaventure Ebayi, Mr. Former Director, Lusaka Agreement Task Force

Kaname Ikeda, Mr. President, Remote Sensing Technology Center of Japan

Lorant Czarán, Mr. Programme Officer, United Nations Office for Outer Space Affairs

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

Manesh Lacoul, Mr. Deputy Director, WEMS Secretariat, Asian Institute of Technology

Remi Chandran, Dr. Specialist Researcher, National Institute for Environmental Studies, Japan

Robert J. Dobias, Mr. Adviser to the Director of Climate Change Research Center, National Research Council of Thailand

Somkiat Soontornpitakkool, Mr. Director, Division of Wild Fauna and Flora Protection, Department of National Parks, Wildlife and Plant Conservation, Thailand

Werner Balogh, Dr. Chief, Space Applications Division, World Meteorological Organization

Organizing Committee

Asian Institute of Technology

- Rehan Ul Haq, Mr.** Research Associate, WEMS Secretariat
- Ariunsumber Bayasgalan, Mr.** WEMS Secretariat
- Jangmaw Sengja, Ms.** IT Specialist, Regional resource Center for Asia and the Pacific
- Ric Dennis Canullas, Mr.** Programme Specialist, Regional resource Center for Asia and the Pacific
- Sanduijav Bayasgalan, Mr.** IT Specialist, Regional resource Center for Asia and the Pacific
- Sujesh Nayar, Mr.** WEMS Secretariat
- Tinmanee Hirunyodom, Ms.** WEMS Secretariat

Department of National Parks, Wildlife and Plant Conservation

- Nilubol, Mrs.** CITES Management Authority
- Wanichaya, Ms.** CITES Management Authority
- Poonsak, Mr.** CITES Management Authority

CONFERENCE PROGRAM

Day 1: Tuesday, 28 August 2018

08:30 – 09:00 REGISTRATION

09:00 – 10:10 OPENING SESSION

09:00 – 09:10 **Welcome Remarks** by Prof. Worsak Kanok-Nukulchai, President, Asian Institute of Technology

09:10 – 09:30 **Inaugural Remarks and Keynote Address** by Dr. Wichian Simachaya, Permanent Secretary, Ministry of Natural Resources and Environment, Thailand

09:30 – 09:40 **Message from Head of States**

Honorable Madam Bidya Devi Bhandari, the President of the Republic of Nepal (TBC)

09:40 – 10:00 **Felicitations by Ministers**

H.E. Mr. Shakti Bahadur Basnet, Minister, Ministry of Forests and Environment, Nepal (TBC)

H.E. Mr. Malik Amin Aslam Khan, Adviser to the Prime Minister on Climate Change, Pakistan (TBC)

H.E. General Roy Agullana Cimat, Secretary, Department of Environment and Natural Resources, Philippines (TBC)

10:00 – 10:15 **Felicitations by collaborators**

Dr. Clarissa C. Arida, Director, Programme Development and Implementation, ASEAN Center for Biodiversity

Mr. Edward Phiri, Director, Lusaka Agreement Task Force

Mr. Kaname Ikeda, President, Remote Sensing Technology Center of Japan

10:15 – 10:25 Report on the **“Assessment of Wildlife Crime Information Management”** by Dr. Remi Chandran, National Institute for Environmental Studies, Japan

10:25 – 10:55 GROUP PHOTO & TEA/COFFEE BREAK

10:30 – 11:00 Press Conference

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10:55 – 11:05 **Addressing Wildlife & Forest Crime to Attain the SDGs: The Roles of Science, Technology, & Innovation** by Mr. Jeffrey McNeely Adviser, Department of National Parks, Wildlife and Plant Conservation, Thailand

11:05 – 13:15 **SESSION 1A: SCIENCE, TECHNOLOGY, AND INNOVATIONS FOR ADDRESSING WILDLIFE AND FOREST CRIME**

Chairperson: Dr. Manabu Onuma, National Institute for Environmental Studies

Co-chair/Rapporteur: Mr. Faustine Masalu, Ministry of Natural Resources and Tourism, Tanzania

11:05 – 11:15 **Keynote Address** by Dr. Manabu Onuma

Presentations **Tracing the Illicit Wildlife Trafficker through DNA Analysis in Japan** by Dr. Manabu Onuma, National Institute for Environmental Studies, Japan

Tracing the Illicit Wildlife Trafficker through DNA Analysis in Thailand by Dr. Kanita Ouitavon and Dr. Suchitra Changtragoon, Department of National Parks, Wildlife and Plant Conservation, Thailand

A passion for protection: Communication, connectivity and a shared ideology by Mr. Mark Nuttall, INTERPOL

Advanced investigation and anti-smuggling techniques by Mr. Giovanni Broussard, United Nations Office for Drugs and Crime

Illicit Wildlife Trade and the Role of Customs by Dr. Tong Hua, World Customs Organization

Discussions

13:15 – 14:30 **LUNCH BREAK**

14:30 – 17:30 **SESSION 1B: SCIENCE, TECHNOLOGY, AND INNOVATIONS FOR ADDRESSING WILDLIFE AND FOREST CRIMES – GEOSPATIAL TECHNOLOGIES**

Chairperson: Prof. Yoshifumi Yasuoka, Professor Emeritus, University of Tokyo

Co-chair/Rapporteur: Ms. Margaret Maimba, Cabinet Secretary, National

Commission for Science, Technology and Innovation, Kenya

14:30 – 14:40 **Keynote Address** by Prof. Yoshifumi Yasuoka

Presentations **Information Sharing Platform** by Mr. Atsushi Otake, NTT Data, Japan

Application of Science, Technology and Innovation in Wildlife Conservation, Management and Security in Kenya: Success Stories, Challenges and Opportunities by David Kiranja Migwi, Kenya Wildlife Service, Kenya

Drones and NCAP for Monitoring Poaching by Mr. Somsak Poopet, Crime Suppression Division, and Mr. Pakpoom Aramsirirujiwet, Practitioner Level, Department of National Parks, Wildlife and Plant Conservation, Thailand; and Dr. Chaiwat Klampol, Dept. of Aerospace Engineering, Faculty of Engineering

Cyber-detectives and Project Zephyr by Mr. Ralf Duering, Airbus Defense and Space

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Wildlife Monitoring by Remote Sensing by Mr. Kyoichi Ito, Remote Sensing Technology Center of Japan

Introduction to Drones and its Potential Applications in Wildlife Monitoring by Dr. Manzul K. Hazarika, Geo-informatics Center, Asian Institute of Technology

Spatial Data Best Practices and Standardization for Countering/Combating Wildlife Trafficking by Ms. Kathleena Mumford, U.S. Department of State, U.S.A.

Discussions

15:30 – 16:00 **TEA/COFFEE BREAK**

18:00-20:00 **OFFICIAL RECEPTION**

HOSTED BY

Department of National Parks, Wildlife and Plant Conservation, Thailand



Day 2: Wednesday, 29 August 2018

09:00 – 09:15 SUMMARY OF DAY 1

09:15 – 12:30 SESSION 2: INFORMATION MANAGEMENT FOR ADDRESSING WILDLIFE AND FOREST CRIME

Chairperson: Mr. Somkiat Soontornpitakkool, Department of National Parks, Wildlife and Plant Conservation, Thailand

Co-chair/Rapporteur: Mr. Arnaud Berenger Zonleth, Lusaka Agreement National Bureau, Congo-Brazzaville

09:15 – 09:25 Keynote Address by Mr. Somkiat Soontornpitakkool

Presentations Presentation by Ms. Albertina Nzuzi Matias, Biodiversity Management Department, Ministry of Environment, Angola (TBC)

Stockpile Information management in Nepal by Dr. Siddhartha B. Bajracharya, National Trust for Nature Conservation

Spatial Monitoring and Reporting Tool by Dr. Antony J. Lynam, Wildlife Conservation Society

Wildlife Enforcement Monitoring System: A Transcontinental Platform by Mr. Rehan Ul Haq, Asian Institute of Technology

Global Earth Observation System of Systems by Dr. Remi Chandran, Global Earth Observation Data Sharing Working Group

Discussions

10:30 – 11:00 TEA/COFFEE BREAK

13:00 – 14:30 LUNCH BREAK

14:00 – 16:10 SESSION 3: GOVERNANCE AND CAPACITY DEVELOPMENT INITIATIVE FOR ADDRESSING WILDLIFE AND FOREST CRIME

Chair: Dr. Clarissa C. Arida, Director, Programme Development and Implementation, ASEAN Center for Biodiversity

Co-chair/Rapporteur: Assoc. Prof. Philip D. Round, Mahidol University

14:00 – 14:10 Keynote Address by Dr. Clarissa C. Arida and Assoc. Prof. Philip D. Round

Presentations

Pangolin Laundry in China by Ms. Shuya Huang, China Biodiversity Conservation and Green Development Foundation, China

Protecting Wildlife: Supporting Local Innovations on Science and Technology to Curb Poaching and Trafficking in the Philippines by Mr. Glenn Forbes, USAID Protect Wildlife

Capacity Building of Remote Sensing by Mr. Masatoshi Kamei, Remote Sensing Technology Center of Japan

USAID Wildlife Asia Activities by Mr. Gary Collins, USAID Wildlife Asia

Translating Conservation Science into Implementable Policy and Practice by Assoc. Prof. Alice C. Hughes, Chinese Academy of Sciences

South Asia Wildlife Enforcement Network by Mr. Pradeep Bhattra, SAWEN Secretariat

Regional Framework under Lusaka Agreement by Mr. Edward Phiri, Lusaka Agreement Task Force

Discussions

15:00 – 15:15 TEA/COFFEE BREAK

16:10 – 17:40 PANEL DISCUSSION

17:40 – 18:00 CLOSING SESSION

Remarks by Dr. Pinsak Suraswadi, Department of National Parks, Wildlife and Plant Conservation, Thailand

Remarks by AIT

18:30 – 20:30 **Wildlife Enforcement Monitoring System Meeting** (Closed Session)

Day 3: Thursday, 30 August 2018

OPTIONAL

Field Trip to KHAO YAI NATIONAL PARK (07:00-18:00)

Organized by

Department of National Parks, Wildlife and Plant Conservation