



The e-ASIA Joint Research Program Workshop on Agriculture 2018
~Strategy for genetic conservation and utilization
of endangered or indigenous/native animal species in Asia~

Date: March 1st -2nd, 2018

Venue: Jamujuree Ballroom A, Pathumwan Princess Hotel, Bangkok, Thailand
co-organized by the Thailand Research Fund (TRF), Japan Science and Technology Agency
(JST) and e-ASIA JRP Secretariat

Program

March 1 (Day 1)

8:30 Registration

9:30 Opening session (Chair: Luntharima Prommi, TRF)

Welcome address **Pongsakorn Tantilipikorn**, Assistant TRF Director for International
Research Network and International Relations

Opening address **Tatsuo Arai**, Director for Special Missions (Ambassador), Department of
International Affairs, Japan Science and Technology Agency

Opening address **Yasunari Ueno** First Secretary for Policy on Information & Communications
Technology, on Science, Technology & Innovation, Embassy of
Japan in Thailand

The outline of e-Asia JRP **Masaki Sato**, Secretary-General, e-ASIA JRP Secretariat / Director,
Japan Science and Technology Agency Singapore Office

Group photo

10:20-10:40 Break

Session 1: Chicken (Chair: Chancharat Reodecha, Hiroshi Kagami)

10:40-11:00 Genetic diversity and the origins of Japanese indigenous chickens inferred from
mitochondrial D-loop region

Mitsuo Nunome, Nagoya University, Japan

11:00-11:20 Chicken genetic diversity, resource and their utilization in Asia

Masahide Nishibori, Hiroshima University, Japan

11:20-11:40 Stem cell application for genetic conservation and utilization of Asian endangered
or indigenous/native chickens

Hiroshi Kagami, Shinshu University, Japan

11:40-12:00 Thai native chicken breed development: From local food security to industry

Monchai Duangjinda, Khonkaen University, Thailand

12:00-13:20 Lunch

13:20-13:40 Korat chicken: An innovative model of utilizing Thai native chicken breed for farmer occupation

Amonrat Molee, Suranaree university of Technology, Thailand

13:40-14:00 Present situation of local indigenous chicken in lower-northern Thailand and strategies for conservation and utilization of genetic resources

Rangsun Charoensook, Naresuan University, Thailand

14:00-14:20 DOST-PCAARRD R&D initiatives for native chicken industry development

Edwin C. Villar, Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development, Philippines

Session 2: Pig and cattle (Chair: Monchai Duangjinda, Masahide Nishibori)

14:20-14:40 Pig and cattle genetic diversity and resource in Asia

Masahide Nishibori, Hiroshima University, Japan

14:40-15:00 Establishment of cryo-bank system for Vietnamese native pig resources and sustainable production system to conserve bio-diversity – Introducing our recent SATREPS activity-

Masaaki Taniguchi, National Agriculture and Food Research Organization, Japan

15:00-15:20 Break

15:20-15:40 Thai Indigenous pig: their diversity and utilization

Kamon Chaweewan, Ministry of Agriculture and Cooperatives Thailand

15:40-16:00 Classification of Thai indigenous cattle breeds using genome wide SNP array

Sissades Tongsim, National Center for Genetic Engineering and Biotechnology, NSTDA, Thailand

16:00-16:20 Native pig and cattle conservation, improvement and utilization R&D direction and strategies in the Philippines

Synan S. Baguio, Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development, Philippines

16:20-16:40 Convention on biological diversity and the Nagoya Protocol: Access and benefit-sharing issues associated with international scientific research utilizing genetic resources

Ikuo Hirono, Tokyo University of Marine Science and Technology, Japan

End of Day 1

March 2 (Day 2)

Session 3: Aquatic animals (Chair: Uthairat Na-Nakorn, Ikuo Hirono)

- 8:30-8:50** Present status of germ cell transplantation for conservation in fish
Goro Yoshizaki, Tokyo University of Marine Science and Technology, Japan
- 8:50-9:10** Aquaculture as an effective tool for protecting wild species population
Shunsuke Koshio, Kagoshima University, Japan
- 9:10-9:30** Positive impact of utilizing indigenous/native aquatic animal species for aquaculture: from a viewpoint of microbial infectious diseases
Ikuo Hirono, Tokyo University of Marine Science and Technology, Japan
- 9:30-9:50** Genetics for sustainable utilization and conservation of Thai native fishes
Uthairat Na-Nakorn, Kasetsart University, Thailand
- 9:50-10:10** Utilization of Thai aquatic species for diversity, conservation, and economic purpose based on genomics
Kornsorn Srikulnath, Kasetsart University, Thailand
- 10:10-10:30** Break
- 10:30-10:50** Importance of genetic variation and conservation strategy for endangered captive fish stocks
Kednapat Sripairoj, Kasetsart University, Thailand
- 10:50-11:10** Genetic improvement of Thai native fishes
Srijanya Khemklad, Ministry of Agriculture and Cooperative, Thailand
- 11:10-11:30** Genomic applications for Philippine aquatic resources
Engr. Eduardo V. Manalili, Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development, Philippines
- 11:30-12:00** Round-up Session (Chair: Artiwan Shotipruk, TRF; Makie Kokubun, JST)
- 12:00** Adjourn
- 12:00-13:20** Lunch