

OIE Collaborating Centres Reports Activities

Activities in 2018

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Name (including Title and Position) of Head of the Collaborating Centre (formally OIE Contact Point):	Dr. Toshiyuki Tsutsui, Director, Department of Planning and General Administration, National Institute of Animal Health, NARO
Name of writer:	(1)National Institute of Animal Health, NARO: Dr. Kazuhiro Yoshihara, Senior Coordinator of Kyusyu Research Station (2)National Veterinary Assay Laboratory: Dr. Nao Nakajima, Chief Inspector, Dr. Kasumi Sudo, Inspector, Assay division I

ToR: To provide services to the OIE, in particular within the region, in the designated specialty, in support of the implementation of OIE policies and, where required, seek for collaboration with OIE Reference Laboratories

ToR: To identify and maintain existing expertise, in particular within its region

1. Activities as a centre of research, expertise, standardisation and dissemination of techniques within the remit of the mandate given by the OIE

Disease control	
Title of activity	Scope
Visiting College of Veterinary Medicine, Sichuan Agricultural University, China for lecture and information exchange	Dr. A. Miyazaki gave a lecture entitled "How can we combat with swine viral diseases together?" and had an exchange of view regarding swine viral disease control from 16 to 20 June.
Dispatch an expert to OIE Regional Workshop on Vector Borne Disease in the Asia-Pacific Region held in Korea on 10-11 September	Dr. T. Yanase attended the workshop to lecture on ruminant arbovirus surveillance in Japan and had an exchange of view regarding control and prevention of vector borne diseases.
Attendance at Joint Seminar for Animal Health between VNUA and NIAH/NARO held at Viet Nam National University of Agriculture on Oct. 12 in Vietnam.	Five researchers made presentations at this seminar. Dr. A. Miyazaki "Past, current and future strategies to control swine viral diarrhea", Dr. T. Yanase "Ruminant arbovirus infections: current status and potential impact", Dr. K. Kawashima "Preparedness activities in NIAH for African Swine Fever", Dr. M. Osaki "Disease status of Vietnamese Native Pigs: Sero-survery of Ban-pig in Hoa Binh province" and Dr. K. S. Guruge "Fate and impact of toxic substances in domestic animals". And they exchanged opinions in animal health in Asia.
Attendance at 2018 Symposium on Prevention and Control of FMD and HPAI in East Asia and working group of FMD in east Asia by the experts on June 21,22 in Korea.	Dr. M. Yamakawa and Dr. T. Nishi participated in the symposium and the working group to exchange information of FMD and discuss common issues for control of FMD.
Invitation to the seminar for Current research trends of livestock sensing technology in Japan held in Korea on Oct. 30.	Dr. T. Ozawa was invited to the seminar and presented entitled "Development of fever detection technology to diagnose bovine respiratory disease using body surface temperature sensor".
Dispatch to 2nd East Asia Contact Person's Meeting with Epidemiology and Laboratory Network Meeting held on 5-6 Apr. in Yogyakarta, Indonesia.	Dr. K. Fukai attended the meeting as an expert of FMD to discuss a load map for FMD control in the region.
Dispatch to the emergency meeting of animal health experts in Asia in response to African Swine Fever threat held by FAO on 5-7 Sep. in Bangkok, Thailand.	Dr. T. Kokuho attended the emergency meeting as an expert to discuss actions against ASF.
Exchange of opinions on FMD research	Dr. T. Fukai visited to National Institute of Animal Health, OIE Reference Laboratory of FMD in Thailand on Aug. 6 to discuss the diagnosis and research on FMD.
Join the OIE Regional Workshop for Transboundary Animal Diseases (TADs) Control held on 22-23 Aug. in Ulaanbaatar, Mongolia.	Dr. M. Yamada took part in the workshop to make a presentation entitled "Preparedness activities in Japan for ASF" and discussed ASF.

Epidemiology, surveillance, risk assessment, modelling	
Title of activity	Scope
Participation in cooperative program of Japan Science and Technology Agency (JST) and Japan International Cooperation Agency (JICA), "Science and Technology Research Partnership for Sustainable Development, project name: Establishment of Cryo-bank System for Vietnamese Native Pig Resources and Sustainable Production System to Conserve Bio-diversity"	Dr. K. Kawashima (Mar. 15-18, Oct. 11-14), Dr. M. Osaki (Mar. 14-18, Apr. 23-29, May 10-12, Jun. 6-10, Aug. 20-28, Oct. 10-14) and Dr. K. Miyazawa (Apr. 25-29, Aug. 21-28) were dispatched to Vietnam to perform disease survey and sampling in pig farms with Vietnam National University of Agriculture.
Attendance at 2018 Symposium on Prevention and Control of FMD and HPAI in East Asia on June 21 and 2018 International Workshop on Veterinary Epidemiology on June 22 in Korea	Dr. T. Shimizu and Dr. Y. Murafuji participated in both meetings as experts of veterinary epidemiology and had an exchange of view regarding HPAI control. Dr. T. Shimizu made a presentation entitled "Outbreak investigation and epidemiological analysis of HPAI in Japan" at the workshop.
Dispatch an expert to OIE Technical workshop - "The development of a standard for the zoning geographical component"-held on Oct. 17 and the final meeting of the OIE cooperation project between the Chinese Academy of Inspection and Quarantine (CAIQ) and Istituto Zooprofilattico Sperimentale delle Venezie (IZSVs) held on Oct. 18 in Beijing, China.	Dr. Y. Shimizu was dispatched to the workshop and the final meeting as an expert of OIE Collaborating Centre.
Training, capacity building	
Title of activity	Scope
Dispatch an expert to OIE Regional Short-Term Training on Swine Disease Control and Diagnosis held by China Animal Disease Control Center, OIE Reference Laboratory of PRRS in Beijing, China from 29 July to 4 August.	Dr. M. Takagi lectured on PRRS control in Japan and facilitated breakout session "Risk factors that are common to all the swine disease".
Invitation to Joint Closing Meeting of OIE Laboratory Twinning Projects on FMD and HPAI between Japan (Hokkaido University and National Institute of Animal Health) and State Central Veterinary Laboratory of Mongolia held on 21 Aug. back to back with Regional Workshop for Transboundary Animal Diseases (TADs) Control held on 22-23 Aug. in Ulaanbaatar, Mongolia.	Dr. K. Yoshida, Dr. K. Fukai and Dr. T. Nishi attended the joint closing meeting and made presentations entitled "The OIE twinning project on FMD and other TADs between Mongolia and Japan", "Activities in the OIE twinning program on FMD and other TADs between Japan and Mongolia in the NIAH", "Activities in OIE twinning program on Clinical and pathological investigations of TADs." respectively.
OIE Twinning program on foot and mouth disease and other transboundary animal diseases between Exotic Disease Research Station, National Institute of Animal Health, NARO, Japan and State Central Veterinary Laboratory, Mongolia (Jan. 2016-Dec. 2018)	Dr. K. Yoshida and Dr. K. Fukai were dispatched to State Central Veterinary Laboratory in Mongolia to implement the program from Jun. 21 to 28.
Avian diseases	
Title of activity	Scope
Attendance at 2018 Symposium on Prevention and Control of FMD and HPAI in East Asia and working group of HPAI in east Asia by the experts on June 21,22 in Korea.	Dr. T. Saito participated in the symposium and the working group to exchange information of HPAI and discuss common issues for control of HPAI.
Invitation to the Asian-Pacific Centenary Spanish 1918-Flu Symposium held on 1-2 Dec. in Shenzhen, China.	Dr. M. Nakayama attended the symposium to discuss future collaborations on the world flu.
Diagnosis, biotechnology and laboratory	
Title of activity	Scope
Invitation to the 6th Meeting of ASEAN Laboratory Directors Forum held on 1-2 Nov. in Singapore.	Dr. T. Tsutsui attended the meeting as a director of NIAH/NARO, OIE Collaborating Centre and exchanged views on the implementation of the Lab Framework, the progress of the Regional Laboratory Network Collaborative Matrix.

Veterinary medicinal products	
Title of activity	Scope
Conference on VICH/ OIE and vaccine's regulations with FDA, Rockville etc., USA, 8 January- 6 February, 2018	Dr. Takashi Kozasa visited FDA as a delegate of veterinary medicinal products authorities in Japan.
FAO Regional Workshop on Legislation and Antimicrobial Use and Antimicrobial Resistance AMU/AMR, Bangkok, Thailand, 12-13 March, 2018	Dr. Manao Ozawa participated in the meeting as a delegate of veterinary medicinal products authorities in Japan.
Regional Seminar for OIE National Focal Points for Veterinary Products (5th cycle) , Bangkok, Thailand, 20-22 March, 2018	Dr. Ken Noda participated in the seminar as a National Focal Point of Japan. Dr. Nao Nakajima and Dr. Kasumi Sudo provided a presentation and facilitated the workshop of legislation and guidance of veterinary medicinal products.
24th Codex Committee on Residues of Veterinary Drugs in Foods (CCRVDF), Chicago, USA, 23-27 April, 2018	Dr. Yuko Endo participated in the meeting as a delegate of veterinary medicinal products authorities in Japan.
Conference on a concept of new regulations for veterinary vaccines in USDA, Ames, USA, 14 May- 1 June, 2018	Dr. Kota Sato visited USDA as a delegate of veterinary medicinal products authorities in Japan.
OIE RRAP Expert Group Meeting on Antimicrobial Resistance and Prudent Use of Antimicrobials, Tokyo, Japan, 14 May, 2018	Dr. Mayumi Kijima, Dr. Mari Matsuda, Dr. Michiko Kawanishi and Dr. Nao Nakajima participated in the meeting as experts of AMR.
2018 Symposium on prevention and control of Foot-and-mouth disease and Highly Pathogenic Avian influenza in East Asia, Seoul, Korea, 21 June, 2018	Dr. Mayumi Kijima visited and exchanged information about veterinary medicinal products.
China-Japan-Korea 2nd Antimicrobial resistance (AMR) working group and 4th Steering Committee, Seoul, Korea, 22 June, 2018	Dr. Mayumi Kijima served as chairperson of AMR WG and reported to the SC about WG activities.
36th VICH steering committee and 10th VICH Outreach Forum, Bruges, Belgium, 25 June- 28 June, 2018	Dr. Yuko Endo and Dr. Ken Noda participated in the meeting as delegates of veterinary medicinal products authorities in Japan.
Preliminary consultation on monitoring antimicrobial resistance in animal bacterial pathogens of diseases livestock and poultry, Bangkok, Thailand, 28-29 August, 2018	Dr. Mayumi Kijima and Dr. Mari Matsuda participated in the meeting as experts of AMR monitoring.
APEC Conference on Strategies Against the Evolving Threats from Antimicrobial Resistance: From Awareness to Concrete Action, Chinese Taipei, Taiwan, 20 -21 September, 2018	Dr. Takahiro Shirakawa participated in the meeting as an expert of AMR monitoring.
Antimicrobial Resistance Seminar: From food safety perspective, Tokyo, Japan, 15 October, 2018	National Veterinary Assay Laboratory (NVAL) organized a seminar along with OIE. 7 participants from Asian countries/regions (Bhutan, Malaysia, Mongolia, Myanmar, Singapore, Sri Lanka and Vietnam) joined the seminar.
Meeting to Discuss Future Collaborative Activities between AVA/CU/NVAL on AMR surveillance in animal health sector in Asia and the Pacific region, Tokyo, Japan, 15 October, 2018	NVAL discussed collaborative activities on AMR with FAO, OIE, Agri-Food & Veterinary Authority of Singapore (AVA) and Chulalongkorn University (CU)
Regional Short-term Training on Antimicrobial Resistance (Advanced Course) Tokyo, Japan, 16-18 October, 2018	Expert from NVAL organized the training on antimicrobial resistance with 7 participants from Asian countries/regions (Bhutan, Malaysia, Mongolia, Myanmar, Singapore, Sri Lanka and Vietnam).

2nd OIE Global Conference on Antimicrobial Resistance and Prudent Use of Antimicrobial Agents in Animals, Marrakesh, Morocco, 29-31 October, 2018	<p>Dr. Ken Noda participated in the seminar as a National Focal Point of Japan.</p> <p>Dr. Michiko Kawanishi participated in the conference as an expert of AMR.</p> <p>Dr. M. Sato was invited to the conference as a member of the Scientific Committee and took part in the debate.</p>
2nd Meeting of the AMU and AMR technical advisory group for South-East Asia and 1st FAO-OIE joint meeting of Regional Reference and Collaborating centers on AMR in Asia and the Pacific, Bangkok, Thailand, 21-23 November, 2018	Dr. Mari Matsuda participated the meeting as an expert of AMR monitoring.
6th Ad hoc Codex Intergovernmental Task Force on Antimicrobial Resistance (TFAMR), Busan, Korea, 10-14 December, 2018	Dr. Michiko Kawanishi participated in the meeting as an expert of AMR monitoring.
Vaccines	
Title of activity	Scope
Dispatch to Regional Rinderpest Tabletop Exercise in Asia held by FAO/OIE on 13-15 Mar. in Colombo, Sri Lanka.	Dr. T. Kokuho attended the tabletop exercise as an expert on rinderpest and made a presentation entitled "Introduction of our LA-AKO vaccine".
Dispatch to the FAO-OIE Conference entitled "Global Rinderpest Action Plan and Stakeholder Commitment" to be held in FAO headquarters on 29-30 March in Rome, Italy.	Dr. T. Kokuho was invited to the conference as an expert on rinderpest to exchange opinions on the way forward in the implementation of the Global Rinderpest Action Plan.
Other (Name the category)	
Title of activity	Scope
Attendance at OIE ad hoc Group on Antimicrobial Resistance in Paris from 21 to 26 January and from 2 to 7 July	Dr. M. Sato participated in OIE ad hoc Group meetings on Antimicrobial Resistance as an ad hoc group member.
Holding the 6th Thailand – Japan Joint Conference on Animal Health on 20-21 Nov. at NIAH/NARO in Tsukuba, Japan based on MOU	Twenty-two researchers from National Institute of Animal Health in Thailand participated in the conference. We exchanged views on animal hygiene through a total of 35 presentations and two special lectures (antimicrobial resistance and animal influenza).

ToR : To propose or develop methods and procedures that facilitate harmonisation of international standards and guidelines applicable to the designated specialty

2. Proposal or development of any procedure that will facilitate harmonisation of international regulations applicable to the surveillance and control of animal diseases, food safety or animal welfare

Proposal title	Scope/Content	Applicable area
Revision of the VICH GLs concerning studies to evaluate the safety of residues of veterinary drugs in human food.	<p>-To revise the VICH GL23R (genotoxicity testing)</p> <p>-To revise the VICH GL22 (reproduction studies)</p>	<p><input checked="" type="checkbox"/> Surveillance and control of animal diseases</p> <p><input checked="" type="checkbox"/> Food safety</p> <p><input type="checkbox"/> Animal welfare</p>

Development or revision of the VICH GLs concerning studies to evaluate the metabolism and residue kinetics of veterinary drugs in food-producing animals/species.	-To develop the new VICH GL56 (study design recommendations for residue studies in honey for establishing MRLs and withdrawal periods) -To develop the new VICH GL57 (marker residue depletion studies to establish product withdrawal periods in aquatic species) -To revise the VICH GL49R (guidelines for the validation of analytical methods used in residue depletion studies)	<input checked="" type="checkbox"/> Surveillance and control of animal diseases <input checked="" type="checkbox"/> Food safety <input type="checkbox"/> Animal welfare
Development of GL concerning VICH harmonisation criteria to waive laboratory animal batch safety testing for vaccines for veterinary use.	- To develop a new VICH GL	<input checked="" type="checkbox"/> Surveillance and control of animal diseases <input type="checkbox"/> Food safety <input checked="" type="checkbox"/> Animal welfare
Development of VICH GLs concerning testing of biologicals.	-To develop the new VICH GL (test on the presence of extraneous viruses in veterinary vaccines)	<input checked="" type="checkbox"/> Surveillance and control of animal diseases <input type="checkbox"/> Food safety <input type="checkbox"/> Animal welfare
Development of VICH GL concerning stability testing of new drug substances and products.	-To develop the new VICH GL58 (stability testing of new veterinary drug substances and medicinal products in for climatic zones III and IV)	<input checked="" type="checkbox"/> Surveillance and control of animal diseases <input type="checkbox"/> Food safety <input type="checkbox"/> Animal welfare
Revisions of the VICH GLs concerning studies to evaluate the efficacy of anthelmintics.	-To revise the VICH GLs 7, 12 to 16 and 19 to 21.	<input checked="" type="checkbox"/> Surveillance and control of animal diseases <input type="checkbox"/> Food safety <input type="checkbox"/> Animal welfare
Development of VICH GL concerning combination products.	-To develop the new VICH GL (General GL on Pharmaceutical Combination Products)	<input checked="" type="checkbox"/> Surveillance and control of animal diseases <input type="checkbox"/> Food safety <input type="checkbox"/> Animal welfare

ToR: To establish and maintain a network with other OIE Collaborating Centres designated for the same specialty, and should the need arise, with Collaborating Centres in other disciplines

ToR: To carry out and/or coordinate scientific and technical studies in collaboration with other centres, laboratories or organisations

3. Did your Collaborating Centre maintain a network with other OIE Collaborating Centres (CC), Reference Laboratories (RL), or organisations designated for the same specialty, to coordinate scientific and technical studies?

Yes

Name of OIE CC/RL/other organisation(s)	Location	Region of networking Centre	Purpose
National Institute of Animal Health Department of Livestock Development of the Ministry of Agriculture and Cooperatives	Thailand	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East	General MOU on strengthening research cooperation in the fields of mutual interest on veterinary science.
Animal Health Research Institute, Council of Agriculture	Taiwan	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East	MOU on promoting research cooperation in the fields of mutual interest such as classical swine fever, PRRS, FMD, avian influenza and arbovirus infection.
Department of Animal Health	Vietnam	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East	MOU on cooperatively contributions to epidemiological and pathogenicity researches on animal diseases.
National Institute of Animal Science, Institute of Biotechnology, Vietnam Academy of Science and Technology, Vietnam National University of Agriculture	Vietnam	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East	Project for establishment of Cryo-bank system for Vietnamese native pig resources and sustainable production system to conserve Bio-diversity
Lanzhou Veterinary Research Institute, Chinese Academy of Agricultural Sciences	China	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East	MOU on the research cooperation in the field of veterinary science including surveillance, diagnosis and control of foot-and-mouth disease
National Institute of Veterinary Research	Vietnam	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East	MOU on research partnership and cooperation in the field of agricultural science and technology including development of vaccines or other technologies to control viral diseases in livestock and so on.
Russian Academy of Medical Sciences, Research Institute of Experimental and Clinical Medicine	Russia	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Middle East	Collaborative research on avian influenza and infectious pathogens

Vietnam National University of Agriculture (VNUA)	Vietnam	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East	MOU on cooperatively contributions to epidemiological and pathogenicity researches on animal diseases.
National Institute of Infectious Diseases and National Veterinary Assay Laboratory	Japan	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East	Development of One Health Surveillance
Asia AMR Lab network (Laboratories for Antimicrobial Resistance in Bhutan, Cambodia, Chinese Taipei, Hong Kong, Korea, Mongolia, Myanmar, Philippines, Singapore, Sri Lanka, Thailand, Vietnam, Malaysia and Japan.)	Bhutan, Cambodia, Chinese Taipei, Hong Kong, Korea, Mongolia, Myanmar, Philippines, Singapore, Sri Lanka, Thailand, Vietnam, Malaysia and Japan	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East	Information exchange of AMR in Asia

4. Did your Collaborating Centre maintain a network with other OIE Collaborating Centres, Reference laboratories, or organisations in other disciplines, to coordinate scientific and technical studies?

Yes

Name of OIE CC/RL/other organisation(s)	Location	Region of networking Centre	Purpose
NVAL kicked off a collaborative activity with Agri-Food & Veterinary Authority of Singapore (AVA; OIE Collaborating Centre for Food Safety) and Chulalongkorn University (CU; future FAO Reference Center for AMR in livestock) on AMR surveillance in animal health sector in Asia and the Pacific region.	Singapore, Thailand	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East	Information exchange of AMR on foods with Food Safety OIE joint Collaborating Centers.

ToR: To place expert consultants at the disposal of the OIE.

5. Did your Collaborating Centre place expert consultants at the disposal of the OIE?

Yes

Name of expert	Kind of consultancy	Subject
Dr. Masumi Sato	OIE ad hoc Group to set up a global database on the use of antimicrobial agents in animals	Member
Dr. Yoshifumi Iwamaru	OIE Reference Laboratory	BSE
to be Decided	OIE Reference Laboratory	Classical Swine Fever
Dr. Takehiko Saito	OIE Reference Laboratory	Swine Influenza
Dr. Takehiro Kokuho	OIE Reference Laboratory	Rinderpest
(A)Dr. Tomoyuki Shimazaki (B)Dr. Michihiro Takagi	(A)FAO-OIE Rinderpest Holding Facility (category A) (B) FAO-OIE Rinderpest Holding Facility (category B)	Contact person
(A)Dr. Yuko Endo, Dr. Ken Noda, (B) Dr. Takashi Kozasa	VICH Steering Committee	(A) Member (B) Coordinator
Dr. Michiko Kawanishi	Ad hoc CODEX Intergovernmental Task Force on Antimicrobial Resistance (TFAMR)	Member
Dr. Mayumi Kijima, Dr. Mari Matsuda, Dr. Michiko Kawanishi	Ad hoc CODEX Intergovernmental Task Force on Antimicrobial Resistance (TFAMR)	Electronic Working Group (EWG) Members
Dr. Mayumi Kijima	China-Japan-Korea Antimicrobial resistance (AMR) Working Group	Member (chairperson)
(A) Dr. Kota Sato, (B) Dr. Yoko Shimazaki (-March), Dr. Ken Noda (April-)	VICH Biologicals Quality Monitoring Expert Working Group	(A) Chairperson (B) Advisor
(A) Dr. Tomoko Ogata, (B) Mr. Naoya Tamura (-March), Dr. Arisa Yamada (April-)	VICH Quality Expert Working Group	(A) Chairperson (B) Advisor
(A) Dr. Manao Ozawa (-March), Dr. Tomohiro Mitsuda (April-) (B) Dr. Tomohiro Mitsuda (-March)	VICH Bioequivalence Expert Working Group	(A) Member (B) Advisor
(A) Dr. Tomoe Ogino, (B) Dr. Yuko Endo (-September), Mr. Ryoji Koike (October-)	VICH Anthelmintics Expert Working Group	(A) Member (B) Advisor
(A) Mr. Yoshihito Ishihara, (B) Dr. Yuko Endo	VICH Safety Expert Working Group	(A) Member (B) Advisor

(A) Mr. Ryoji Koike, (B) Mr. Atsushi Yamamoto (-March)	VICH Metabolism and Residue Kinetics Expert Working Group	(A) Member (B) Advisor
Dr. Ken Noda	VICH Task Force for the Development of a General Combination Products Guideline	Chairperson
(A) Dr. Kaoru Eguchi, (B) Dr. Ken Noda	VICH Expert Working Group for a General Guideline on Pharmaceutical Combination Products	(A) Member (B) Advisor
(A) Mr. Junichi Omori (-March), Dr. Yoko Shimazaki (April-), (B) Dr. Kaoru Eguchi and Mr. Teruki Miyazaki	VICH Pharmacovigilance Expert Working Group	(A) Member (B) Advisor
Dr. Mari Matsuda	FAO Asia Pacific Region AMR Technical Advisory Group	Member

ToR: To provide, within the designated specialty, scientific and technical training to personnel from OIE Member Countries

6. Did your Collaborating Centre provide scientific and technical training, within the remit of the mandate given by the OIE, to personnel from OIE Member Countries?

Yes

- a) Technical visits: 0
- b) Seminars: 7
- c) Hands-on training courses: 10
- d) Internships (>1 month): 0

Type of technical training provided (a, b, c or d)	Content	Country of origin of the expert(s) provided with training	No. participants from the corresponding country
c	JICA group training course on "Research on Veterinary Technology" for 7 months	Mongolia and Myanmar	3
b	Antimicrobial Resistance Seminar: From food safety perspective, Tokyo, Japan, 15 October 2018	Bhutan, Malaysia, Mongolia, Myanmar, Singapore, Sri Lanka and Vietnam	7
c	Regional Short-term Training on Antimicrobial Resistance (Advanced Course) Tokyo, Japan, 16-18 October 2018	Bhutan, Malaysia, Mongolia, Myanmar, Singapore, Sri Lanka and Vietnam	7

ToR: To organise and participate in scientific meetings and other activities on behalf of the OIE

7. Did your Collaborating Centre organise or participate in the organisation of scientific meetings on behalf of the OIE?

Yes

National/International	Title of event	Co-organiser	Date (mm/yy)	Location	No. Participants
International	36th VICH Steering Committee meeting	Dr. Yuko Endo, Dr. Ken Noda, Dr. Takashi Kozasa	25-26 and 28 June	Bruges, Belgium	33
International	10th VICH outreach forum	Dr. Yuko Endo, Dr. Ken Noda, Dr. Takashi Kozasa	26-27 June	Bruges, Belgium	49
International	Enhancing International Cooperation amongst Veterinary Medicines Regulatory Bodies	Dr. Yuko Endo, Dr. Ken Noda, Dr. Takashi Kozasa	28-29 June	Bruges, Belgium	41

ToR: To collect, process, analyse, publish and disseminate data and information relevant to the designated specialty

8. Publication and dissemination of any information within the remit of the mandate given by the OIE that may be useful to Member Countries of the OIE

a) Articles published in peer-reviewed journals: 28

(1) NIAH/NARO

1) Arai N, Sekizuka T, Tamamura Y, Tanaka K, Barco L, Izumiya H, Kusumoto M, Hinenoya A, Yamasaki S, Iwata T, Watanabe A, Kuroda M, Uchida I, Akiba M. Phylogenetic Characterization of Salmonella enterica Serovar Typhimurium and Its Monophasic Variant Isolated from Food Animals in Japan Revealed Replacement of Major Epidemic Clones in the Last 4 Decades. J Clin Microbiol. 2018 Apr 25;56(5).

2) M. Elsheimer-Matulova, Y. Masukagami, Y. Ogawa, Y. Shimoji, M. Eguchi. The protective capacity of anti O:4 antigen antibodies against Salmonella infection is influenced by the presence or absence of O:5 antigen. FEBS Open Bio. P198, 2018

3) Fukai K, Nishi T, Shimada N, Morioka K, Yamada M, Yoshida K, Yamakawa M., Comparative evaluation of two ELISA kits for detecting antibodies to a nonstructural protein of foot-and-mouth disease virus using serum samples collected from naturally and experimentally infected cows. J Vet Med Sci. 2018 Nov 1;80(10):1624-1630.

4) Hatama S., Murakami K., Yamamoto S. Kadota K., Detection of bovine papillomavirus type 2 DNA in calf conjunctival myofibroblastoma. J Vet Med Sci. 2018 Nov 1;80(10):1544-1548.

5) Kamomae Y, Kamomae M, Ohta Y, Nabe M, Kagawa Y, Ogura Y, Kato T, Tanaka S, Yanase T, Shirafuji H.

Epizootic Hemorrhagic Disease Virus Serotype 6 Infection in Cattle, Japan, 2015. *Emerg Infect Dis.* 2018 May;24(5):902-905.

6)Kato T, Aizawa M, Takayoshi K, Yanase T, Tanaka S, Shirafuji H, Yamakawa M. Full genome sequence of a Sathuvachari virus strain isolated in the southwestern-most archipelago of Japan. *Virus Genes.* 2018 Oct;54(5):729-732.

7)Matsumori Y, Aizawa M, Sakai Y, Inoue D, Kodani M, Tsuha O, Beppu A, Hirashima Y, Kono R, Ohtani A, Yanase T, Shirafuji H, Kato T, Tanaka S, Yamakawa M. Congenital abnormalities in calves associated with Peaton virus infection in Japan. *J Vet Diagn Invest.* 2018 Nov;30(6):855-861.

8)Miyazaki A, Kandasamy S, Michael H, Langel SN, Paim FC, Chepngeno J, Alhamo MA, Fischer DD, Huang HC, Srivastava V, Kathayat D, Deblais L, Rajashekara G, Saif LJ, Vlasova AN., Protein deficiency reduces efficacy of oral attenuated human rotavirus vaccine in a human infant fecal microbiota transplanted gnotobiotic pig model. *Vaccine.* 2018 Oct 8;36(42):6270-6281.

9)Muneta Y, Arai N, Yakabe Y, Eguchi M, Shibahara T, Sakuma A, Shinkai H, Uenishi H, Hirose K, Akiba M. In vivo effect of a TLR5 SNP (C1205T) on *Salmonella enterica* serovar Typhimurium infection in weaned, specific pathogen-free Landrace piglets. *Microbiol Immunol.* 2018 Jun;62(6):380-387.

10)Nagasawa Y, Kiku Y, Sugawara K, Yabusaki T, Oono K, Fujii K, Suzuki T, Maehana K, Hayashi T. The bacterial load in milk is associated with clinical severity in cases of bovine coliform mastitis. *J Vet Med Sci.* 2018 Nov 26. doi: 10.1292/jvms.18-0581.

11)Nishikawa S, Ogawa Y, Eguchi M, Rambukkana A, Shimoji Y. Draft Genome Sequences of *Lawsonia intracellularis* Swine Strains Causing Proliferative Enteropathy in Japan. *Microbiol Resour Announc.* 2018 Sep 6;7(9).

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