



**Asia-Pacific
Economic Cooperation**

**Summary Report
of the Workshop on Food Security**

Since the First APEC Ministerial Meeting on Food Security in Niigata in 2012, the situation in the field of food security has remained an issue of high importance. In Kazan Declaration on Food Security our ministers reaffirmed that APEC member economies would collectively pursue the shared goals of (i) sustainable development of the agricultural sector, (ii) facilitation of investment, trade and markets in the Niigata Declaration on Food Security, and agreed that to strengthen food security at the present stage, it is necessary, inter alia, to focus on increasing agricultural production and productivity and so on. To strengthen food security in APEC region, we have steadily implemented the Niigata Action Plan on Food Security, including elaborating and launching the Asia-Pacific Food Security Information Platform (APIP) and further action would be required based on Niigata Declaration and Kazan Declaration.

Accordingly, the Workshop on Food Security was held by Japan from September 25th (Tuesday) to 27th (Thursday) 2012 in Tokyo. In addition to the information sharing, the workshop also provided an opportunity for a general peer review of each APEC economy's activities to follow up the Action Plan, and in particular, aimed at;

- 1) Protection of intellectual property rights in new plant varieties;
- 2) Further actions for strengthening food security;
- 3) Enhancement of Asia Pacific Food Security Information Platform (APIP);

This workshop attracted about 70 participants from all 21 APEC economies, related international organizations, private sectors and so forth. It was concluded with great success with an active discussion and sharing issues and challenges and better understanding on food security among participants. MAFF would like to present sincerest appreciation for kind cooperation from all related stakeholders to this workshop. As a consequence of this workshop, Japan, is going to make further efforts to contribute to global food security issues.

All of the presentation materials are available below and if there are any inquiries on materials, please send e-mail to apip@murc.jp.

http://www.apip-apec.com/members/apec_workshop_on_food_security_in_japan_25-27_september_2012.html

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Here are brief summaries of the discussion in the workshop.

I. Protection of Intellectual Property Rights in New Plant Varieties

Background and purpose of the session;

Sharing experiences on regulatory approaches of new plant varieties is an essential factor in order to ensure legitimate protection for plant breeders' right in APEC region. This session is of No. 57 of Niigata Action Plan. Based on the APEC common recognition that plant breeding is the one of the most important means to solve the food supply-demand issue caused by the growth of population and the climate change, the session was to exchange the information and discuss policies and system of Plant Variety Protection (PVP) of each economy, which secures investments by breeders by giving legal protection.

Brief Summaries of each presentation;

Mr. Fujisada from Ministry of Agriculture, Forestry and Fisheries of Japan (MAFF) made a presentation titled "Protection of Intellectual Property Rights to Strengthen Food Security" and indicated the strategic use of PVP system has contributed new business, expanded market and food security and establishment of EAPVP is the one of the Intellectual Property Strategy of MAFF.

Mr. Mahmud from Malaysia presented "Efforts towards International Harmonization of Malaysias' Plant Variety Protection System" and introduced Malaysian PVP Legislation, current status of PVP system in Malaysia and various efforts towards international PVP harmonization. Since Malaysia has been preparing to be a member of UPOV next year, several efforts to change the domestic law to be fit to the international system have been conducted. Malaysia would like to incorporate advice from various member economies.

Dr. Mamaril from the Philippines reported the basic facts on the PVP Law of the Philippines and efforts towards international harmonization through such as the EAPVP Forum in his presentation of "Efforts towards International Harmonization". The Philippine participated in the 1st EAPVP Forum in Tokyo and their commitments to the EAPVP Forum continuously cooperate in the efforts to harmonize crop-specific test guidelines, such as discussing future cooperative efforts in improving the PVP System the Asian Region and capacitate national and international staff involved in PVP system.

Mrs. Ratanasatien from Thailand also delivered the presentation titled as "Efforts towards International Harmonization in Thailand" and introduced the background and implementation and amendment of PVPA law and its difficulties in Thailand. The importance of implement PVPR for almost breeders and developing the variety to against population increase were emphasized. Cooperation on a global scale was also pointed out as an important factor for APEC+3 level Food Security.

Dr. Suwantaradon from Thailand put an emphasis on the collaboration between private and public in his presentation titled of "Expectation from a Seed Association on the Impact of Plant Variety Protection in ASEAN" It is important to cooperate between the government and private sector in the breed improvement. And he pointed out that it is advisable to spread the PVP to ASEAN

members in order to solve the various problems such as population growth, limitation of the farm land, bio-energy.

Mr. Yoshida from Japan Association for Technoinnovation in Agriculture, Forestry and Fisheries (JATAFF) made a presentation for “Contribution to Global Food Security by the Japanese Seed Industry” and put an emphasis that plant breeding and the protection of intellectual property rights of new plant varieties are keys to achieve food security, taking an example of Japanese agricultural history.

Dr. Quait-Randall from the International Rice Research Institute (IRRI) presented that PVP protection is in line with the major treaties, conventions and mandates that IRRI must abide by and may be necessary to work with the private sector to develop an international strategy to deal with the International Union for the Protection of New Varieties of Plants (UPOV) and National PVP systems in her presentation of “Use of Plant Variety Protection: Experience of IRRI”

Dr. Ishitani from the International Center for Tropical Agriculture (CIAT) made a presentation of “Strategic Use of Intellectual Property Rights for the Benefit of the Poor” and delivered key messages that plant breeding requires long and expensive continues research investment and importance of Public-Private Partnership and PVP at national and regional levels for new technology and good quality seeds for farmers.

Dr. Barnaby from New Zealand presented “New Zealand, an Example of a Smaller Economy with a Successful Plant Variety Registration System, Providing Support to Economically Significant Primary Industry” and explained the successful and effective plant variety registration system in New Zealand, which local organizations, private sectors and breeders tests it by own, not by the central government when an application is applied, Therefore the breeders could distribute the seeds at an affordable price to the farmers. Cooperation and communication between the central and local government is important as well as development of an online application system.

Wrap up by the facilitator: Mr. Koshibe, Former President of Asia & Pacific Seed Association (APSA)

- ✓ Activities of international harmonization of EAPVP were reported by the member economies of the EAPVP forum. Plant breeding and PVP should be encouraged to improve agricultural productivity which is crucial for food security.
- ✓ There are mainly three advantages of regional harmonization of PVP: increasing the efficiency of variety registration; reducing the cost for variety registration; and preventing disputes in connection with Intellectual Property Rights (IPR). It is important to cooperate not only between international organizations and each member economy but also multilaterally.
- ✓ As private companies cannot invest in plant breeding in the member economies which do not protect PVP, it is necessary to promote the cooperation between the public and private sectors.
- ✓ Support by Japan towards the activities for improving the regional system of PVP was appreciated by the member economies of the EAPVP forum.

II. Further Actions for Strengthening Food Security

Background and purpose of the session;

Based on Kazan Declaration as well as Niigata Declaration on Food Security, to exchange a view of food security among stakeholders in order to consider further action for strengthen food security would contribute to discussion toward to Indonesian year 2013 APEC. In this regard, several experts from various filed and economies made presentation and discuss the related policies and activities under the instable global food production, market, price, and growing population.

Brief Summaries of each presentation;

Mr. Sakai from MAFF, Japan presented the importance of “Policy Partnership for Food Security” to deal with highly-influential factors of recent years such as growing world population, high demand and price of grain and meat in accordance to the economic growth in the third countries. He also complimented the success of Niigata and Kazan meetings.

Mr. Gospodarev from Russian Federation explained the Kazan Declaration and put emphasis on the importance to promote agricultural investment and technologies through open trade and market in the presentation of “Results and Achievement of the Second APEC Ministerial Meeting on Food Security”

Mr. Kobayashi from JA Zenchu, Japan made a presentation titled “Agricultural Cooperatives and Food Security in Japan” It explained JA Zenchu’s activities and presented the importance the partnership with consumers in terms of food safety, food and agriculture education and advocacy at local level. It also stressed importance of improvement of food self-sufficiency rate and expansion of responsible agricultural investment through appropriate trade rules, taking care of environmental factors at national and international levels.

Mr. Blakeman from Cargil, United States of America presented “Proposals from the Private Sector” and it stressed that we need the public and private sectors to work together to address food security through providing the right policy environment and trade agreements, standards, and regulatory harmonization to feed the world’s population. Investments are also needed to food logistics

Mr. ITO from Food and Agriculture Organization (FAO) of Liaison Office in Japan introduced the FAO’s efforts, explaining the FAO’s three main activities; policy dialogue, standardization and development technical programs. Partnership among all stakeholders regarding agricultural and food security is also listed as an important factor, Statistical portal, AMIS, is currently managed by FAO, which was established by the G8 initiative in 2011.

Mr. Osumi from Ministry of Foreign Affairs of Japan (MOFA) explained “The Principles for Responsible Agricultural Investment (PRAI)” and the international discussion on PRAI in the international forum such as APEC, G20, and G8. Enhancement of Food Security in APEC and TPP are also important issues to be discussed among APEC economies, especially in cooperation with Indonesia as a next host economy.

Mr. Tada from Sozitsu Research Institute, Japan presented their efforts for reconstruction of their seafood plant in Kamaishi, Tohoku by the March 11, 2011 earthquake and tsunami, and reported its recovery one year after.by “Disaster Prevention and Reconstruction - Seafood Processing Industry in the Tohoku Region –“

Mr. Kato from Nichirei Foods Inc., Japan explained their cold chain system and efforts for preventing food loss in the presentation of “A Cold Chain Proposal for Food Losses - Learning from the Past and Present of Japan –”, Since food loss is the common problem both developing and developed economies, actions for strong public-private partnerships should be taken, considering the circumstances of each economy. It also pointed out that government should promote to change consumer’s conscious, and on the other hand, private sectors should make efforts to maintain equipments, facilities and system to prevent further food loss.

Mr. Kimura from Ajinomoto Co., Inc, Japan presented “Risk Reduction and Quality Assurance in Food Safety: a Japanese Perspective” and explained their proactive activities for risk reduction and quality assurance such as management, system and education/capacity building for staffs.

Dr. Basuki from Indonesia made a presentation of “Food Security Policy in Indonesia: possible contributions to feed the world Food Security in Indonesia” and explained the food security policies and efforts as one of their national development priorities and challenges and problems to achieve it. In Indonesia, food Security is one of the government development goals because there are still many vulnerable people on Food Security due to the natural disasters. Plans for crop diversification, effective and optimal land use, and to shift to processed food is promoted.

Prof. Li from People's Republic of China presented the production, consumption and trade of grain in China, and introduced challenges against grain security and policies ensuring grain security in “Food Security and Policies in China”.

Prof. Nie from People's Republic of China introduced key experiences of China’s modern agricultural technologies such as drip irrigation, animal, diary and fishery production and plant factory, eco-office, greenhouse, E-agriculture and so on in “China’s Agriculture and Technology”

Wrap up by the facilitator: Mr. Sakai, Director-General of MAFF

- ✓ Cooperation between the public and private sector should be promoted.
- ✓ Policy Partnership on Food Security (PPFS) meeting should be held coincident with APEC Business Advice Counsel (ABAC) to have more effective engagement of private sectors.
- ✓ Sharing information is essential for all member economy and all of the presentation materials are uploaded and available at APIP website¹.
- ✓ As a consensus of the participants of this workshop, the facilitator suggested sharing results and discussion of the APIP workshop and proposed to the participants to participate in PPFS in order for PPFS meeting in the next year to be fruitful.

III. Enhancement of Asia Pacific Food Security Information Platform (APIP)

Background and purpose of the session;

APIP, as a common tool of Niigata Action Plan, has been launched March 2012 and it is expected to further enhancement in Kazan Declaration. Russian initiative on agricultural statistics of No. 48 of the

¹ http://www.apip-apec.com/members/apec_workshop_on_food_security_in_japan_25-27_september_2012.html
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Niigata Action Plan and linkage to other information database such as ASEAN Food Security Information System (AFSIS), G20 Agricultural Market Information System (AMIS), Faostat, USDA and so on was also discussed.

Brief Summaries of each presentation: Mr. Sakai, Director-General of MAFF

Mr. Sakai from MAFF, Japan presented the importance establishment of more effective information Network among APIP, AFSIS, AMIS, FAOSTAT, USDA and so forth in his presentation of “Policy Partnership for Food Security” to provide useful information for food security.

Mr. Shimura from Mitsubishi UFJ Research and Consulting, Japan made a presentation of “System Development Status of APIP” and explained the APIP system briefly and requested every member economy to nominate the focal persons for APIP. He also introduced APIP statistics, on which member economy’s comments and opinions were appreciated.

Mr. Gospodarev from Russian Federation pointed out some statistical duplication for agriculture and food information in his presentation of “International Duplication of Informational Systems and Platforms”

Ms. Holland from United States of America presented “USDA’s National Agricultural Statistics Service (NASS): Fact Finders for U.S. Agriculture” and introduced the features of USDA statistics and how to collect data. NASS contains a lot of data and information and it could be very useful not only for government officials but also private sectors.

Mr. Miyake from MAFF, Japan introduced background and concept of “AFSIS” statistic system, which established by ASEAN+3 and showed new challenges toward AFSIS from 2013. From 2013, it is expected that a mid and long-term supply data and demand forecasting would be published and also livestock and forage data would be released once a year.

Mr. Funaki from MAFF, Japan, explained MAFF’s AMIS support project. AMIS is “Agricultural Information System”, which was established by G20 last year. In his presentation, the relation of AMIS initiative and Kazan declaration as well as the main activities and work plan of the project were explained.

Wrap up by the facilitator: Mr. Sakai, Director-General of MAFF

- ✓ Statistical databases of agricultural information including APIP, USDA National Agricultural Statistics Services (NASS), ASEAN Food Security Information System (AFSIS) and Agricultural Market Information System (AMIS) were introduced.
- ✓ Duplication of data in informational systems and platforms should be minimized and ideally all information systems will be integrated at some point.

IV. Excursion to the Food Security Facilities

Participants visited to the food security related facilities of Japan, such as Tsukiji-Market, the biggest wholesale market in the world, and Urban Farm Pasona Group Headquarters.

APEC Workshop on Food Security
25-26 September 2012, Tokyo, JAPAN
Programme

Day 1: September 25(Tuesday), 2012	
09:30 - 10:00	<i>Registration</i>
10:00 - 10:10	(1) Opening Remarks Ms. Hiroko Nakano Parliamentary Secretary for Agriculture, Forestry and Fisheries Ministry of Agriculture, Forestry and Fisheries (MAFF), (Japan)
10:10 - 10:20	Group Photo All participants
10:20 - 10:30	Report by APEC Secretariat Mr. Thanawat Sirikul Program Director, APEC Secretariat
(2)Protection of Intellectual Property Rights in New Plant Varieties (Presentation and Q&A) New business and Intellectual Property Division, Food Industry Affairs Bureau, MAFF, Japan (Facilitator : Mr. Madoka Koshibe, <i>Former President of Asia & Pacific Seed Association (APSA)</i>)	
10:30 - 10:35	(2-1)Opening Remarks Mr. Eietsu Sakuraba Deputy Director General, Food Industry Affairs Bureau, MAFF (Japan)
10:35 - 10:50	(2-2)Protection of Intellectual Property Rights to Strengthen Food Security Mr. Mitsutaro Fujisada Senior Policy Advisor for Intellectual Property, New Business and Intellectual Property Division, Food Industry Affairs Bureau, MAFF (Japan)
10:50 - 11:20	<i>Coffee Break</i>
11:20 - 11:45	<u>(2-3)Presentations from Member Countries of the East Asia Plant Variety Protection Forum</u> (2-3-1)“Efforts towards International Harmonization of Malaysias’ Plant Variety Protection System” Mr. Halimi Bin Mahmud Director, Crop Quality Control Division, Department of Agriculture (Malaysia)
11:45 - 12:10	(2-3-2)“Efforts towards International Harmonization (Philippines)” Dr. Vivencio Rullan Mamaril Supervising Agriculturist, Bureau of Plant Industry, Department of Agriculture (Philippines)
12:10 - 12:35	(2-3-3)“Efforts towards International Harmonization (Thailand)” Ms. Chutima Ratanasatien Senior Agricultural Scientist, Plant Variety Protection Office, Department of Agriculture (Thailand)
12:35 - 14:00	<i>Lunch</i>

Day 1: September 25(Tuesday), 2012	
14:00 - 14:30	(2-4) <u>Proposals from the Private Sector</u> (2-4-1)"Expectation from a Seed Association on the Impact of Plant Variety Protection in ASEAN" Dr. Kriangsak Suwantaradon Advisor to Seed Association of Thailand
14:30 - 15:00	(2-4-2)"Contribution to Global Food Security by the Japanese Seed Industry" Mr. Takeshi Yoshida President, Japan Association for Techno-innovation in Agriculture, Forestry and Fisheries (JATAFF) (Japan)
15:00 - 15:30	<i>Coffee Break</i>
15:30 - 16:00	(2-5) <u>Impact of Intellectual Property Rights on Research for Development</u> (2-5-1)"Use of Plant Variety Protection: Experience of the International Rice Research Institute (IRRI)" Dr. Elsie Quate-Randall Head, Innovations Management, IRRI
16:00 - 16:30	(2-5-2)"Strategic Use of Intellectual Property Rights for the Benefit of the Poor" Dr. Manabu Ishitani Senior Researcher, Agrobiodiversity Research Area, International Center for Tropical Agriculture (CIAT)
16:30 - 17:00	(2-6) <u>Experience of Developed Country</u> (2-6-1)"New Zealand, an Example of a Smaller Economy with a Successful Plant Variety Registration System, Providing Support to Economically Significant Primary Industry" Dr. Chris Barnaby Assistant Commissioner/ Principal Examiner, Plant Variety Rights, Intellectual Property Office of New Zealand
17:00 - 18:00	(2-7)Wrap-up and Closing

18:30 - 20:00	Reception Venue: Iino Hall and Conference Center (Room B1+B2)
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Day 2: September 26(Wednesday), 2012	
(3)Further Action for Strengthening Food Security (Presentation and Q&A) (Facilitator and Wrap Up: Director-General, International Affairs Department, MAFF (Japan))	
09:00 - 09:10	(3-1) Policy Partnership for Food Security Mr. Masaki Sakai Director-General, International Affairs Department, MAFF (Japan)
09:10 - 09:25	(3-2)Results and Achievement of the Second APEC Ministerial Meeting on Food Security Mr. Alexey Nikolaevich Gospodarev Ministry of Agriculture (Russia)
09:25 – 9:45	(3-3)Agricultural Cooperatives and Food Security in Japan Mr. Hirofumi Kobayashi General Manager, Central Union of Agricultural Cooperatives (JA-ZENCHU) (Japan)

Day 2: September 26(Wednesday), 2012	
9:45 - 10:05	(3-4)Proposals from the Private Sector Mr. Bruce William Blakeman Vice President, Corporate Affairs, ABEC USA - Cargill
10:05 - 10:10	(3-5)FAO Mr. Masato Ito Director, Food and Agriculture Organization of the United Nations, Liaison Office in Japan (FAOLOJA)
10:10 - 10:15	(3-6)The Principles for Responsible Agricultural Investment (PRAI) Mr. Yo Osumi Director, Economic Security Division, Economic Affairs Bureau, Ministry of Foreign Affairs (Japan)
10:15 - 10:40	<i>Coffee Break</i>
10:40 - 11:00	(3-7) Disaster Prevention and Reconstruction - Seafood Processing Industry in the Tohoku Region - Mr. Yukio Tada President and CEO, Sojitz Research Institute, Ltd. (Japan)
11:00 - 11:20	(3-8) A Cold Chain Proposal for Food Losses - Learning from the Past and Present of Japan - Mr. Naoji Kato Director, Executive Vice President, Nichirei Foods Inc. (Japan)
11:20 - 11:40	(3-9)Risk Reduction and Quality Assurance in Food Safety: a Japanese Perspective Mr. Takeshi Kimura General Manager, Ajinomoto Co., Inc.(Japan)
11:40 - 12:00	(3-10) Food Security Policy in Indonesia: possible contributions to feed the world Food Security in Indonesia Dr. Tjuk Eko Hari Basuki Indonesian Agency for Food Security, Ministry of Agriculture (Indonesia)
12:00 - 12:20	(3-11) Food Security and Policies in China Prof. Xiande Li Division Director Institute of Agricultural Economics and Development, Chinese Academy of Agricultural Sciences (China)
12:20 - 12:40	(3-12)China's Agriculture and Technology Prof. Fengying Nie Professor, Division Director, International Division, Agricultural Information Institute, Chinese Academy of Agricultural Sciences (China)
12:40 - 12:55	(3-13)Wrap-up Director-General, International Affairs Department, MAFF (Japan)
12:55 - 14:20	<i>Lunch</i>
(4)Enhancement of APIP (Asia Pacific Food Security Information Platform) (Presentation and Q&A) (Facilitator and Wrap Up: Director-General, International Affairs Department, MAFF, Japan)	
14:20 - 14:40	(4-1) Policy Partnership for Food Security Mr. Masaki Sakai Director-General, International Affairs Department, MAFF (Japan)

Day 2: September 26(Wednesday), 2012	
14:40 - 15:00	(4-2)System Development Status of APIP Mr. Kensuke Shimura MURC (Japan)
15:00 - 15:10	(4-3) International Duplication of Informational Systems and Platforms Mr. Alexey Nikolaevich Gospodarev Ministry of Agriculture (Russia)
15:10 - 15:30	(4-4) USDA's National Agricultural Statistics Service: Fact Finders for U.S. Agriculture Ms. Theresa Holland Statistician, National Agricultural Statistics Service, United States Department of Agriculture (USA)
15:30 - 16:00	<i>Coffee Break</i>
16:00 - 16:10	(4-5)AFSIS Mr. Yasuhiro Miyake Deputy Director, Statistics Planning, Statistics Department, MAFF(Japan)
16:10 - 16:20	(4-6)AMIS - Japan's Contribution - Mr. Yasuro Funaki International Affairs Department, MAFF (Japan)
16:20 - 16:35	(4-7)Wrap-up Director-General, International Affairs Department, MAFF (Japan)
16:35 - 17:00	(5)Concluding; Discretionary Reporting, etc. Director for International Organization, International Affairs Department, MAFF (Japan)

Day 3: September 27(Thursday), 2012	
09:00 - 15:00	(6)Field Trip to the Facilities on Food Security (with a consecutive interpreter) - Tsukiji Market - Pasona Inc. - Asakusa