



Asia-Pacific
Economic Cooperation

2016 APEC Expert Consultation on Food Loss and Waste at Retail and Consumer Levels

Background:

Food loss and waste poses an urgent global issue with significant ramifications for the Asia-Pacific region. As Asia-Pacific region economies mature and populations continue to grow, major challenges lie ahead in increasing access to food while ensuring a sustainable natural environment. Effective public-private partnerships and cross-border cooperation are critical to sustainable development and dissemination of food loss reduction policies

APEC has taken a leading step in the Asia-Pacific effort to reduce food loss and waste by supporting a multiple-stage research and policy advising project. Chinese Taipei has been implementing the APEC Multi-Year Project (MYP SCE 02 2013A) on “*Strengthening Public-Private Partnership to Reduce Food Losses in the Supply Chain*” since 2013. Project implementation has so far established a network of experts on food loss, a technical team to gather and maintain pertinent data and perform analyses, and consultations on various food sectors including food crops in 2013, vegetables and fruits in 2014, and fishery and livestock products in 2015. 2016 is the final year of sector-specific consultations and will focus on retail sectors and consumers. The project will reach its conclusion phase in 2017 by synthesizing all information into a database, holding a high-level policy dialogue, and forming high-level policy recommendations.

Consumer and retail-level food waste presents a major target for waste reduction. Consumer and retail sector food waste, otherwise referable as demand-side stakeholder behavior, has an inverse relationship with producers, or supply-side actors in food loss and waste behavior. Depending on the maturity of the economy, the bulk of food losses occur either in the production process or in consumption and retailing. Mature economies are typically production-efficient, consumption-wasteful as their producers are capital-intensive and process-efficient while consumers have more disposable income which reduces the inclination to save food. The 2016 expert consultation focus on consumption and retail is therefore a good opportunity for regional cooperation to foster understandings and communications on waste reduction/prevention to aid the entire APEC region in policy design to combat food loss and waste into the future.

Objectives:

This 2-day expert consultation seeks to:

1. **Identify and share expert knowledge** of the causes and consequences of food waste by the retail sector and consumers in the Asia-Pacific region.
2. **Refine the assessment of food losses and waste** based on food-intake and other related surveys in the Asia-Pacific region.
3. **Understand consumers’ food choices and the roles of retailers** in the development of sustainable waste prevention, reduction, recovering and recycling strategies.
4. **Begin the dialogue on crafting solutions and identify potential barriers to policy formation/adoption** on food waste prevention, reduction, recovering and recycling.

Outcomes will be delivered to the ATCWG and PPFs at the APEC 2016 Summit in Peru.



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Date: July 18-19, 2016

Venue: Howard Plaza Hotel, Taipei City, Chinese Taipei

Host: Council of Agriculture, Chinese Taipei

AGENDA

DAY 1: July 18, 2016 (Monday)	
08:30-09:00	Registration
09:00-09:20	Welcome Remarks - <i>Ms. Dong-Chong Hsiou, Deputy Director General, Department of International Affairs, Council of Agriculture</i> - <i>Amb. Pei-Yung Hsu, APEC Senior Official, Director General, Ministry of Foreign Affairs, Chinese Taipei</i>
09:20-09:40	Group Photo
09:40-10:00	Opening Remarks <i>Prof. Ching-Cheng Chang (Academia Sinica and National Taiwan University, Chinese Taipei)</i>
10:00-10:20	Coffee Break
10:20-12:00	Panel Session 1: Evidence and Causes of Food Waste in the Consumer and Retail Levels Main Issues: <ul style="list-style-type: none"> - <i>What are the current trends and challenges in food waste reduction in the consumer and retail sectors in the Asia Pacific?</i> - <i>What are the existing definitions for food losses and waste in the consumer and retail sectors?</i> - <i>How can we use the survey and research results on food losses and waste to generate attentions and consensus for promoting policy actions safeguarding the global/regional food security?</i> - <i>How do APEC, non-Asia-Pacific, and other local/regional efforts in reducing food waste impact this project or represent strong partnership opportunities?</i> Presentations – 40 min each <ul style="list-style-type: none"> - Reducing Food Waste in APEC: Implications for Retailers and Consumers <i>Dr. Don Gunasekera (Victoria University, Australia)</i> - Consumers' Food Choices and the Roles of Retailers in Reducing Food Waste in APEC Region <i>Dr. Miranda Miroso (University of Otago, New Zealand)</i> <i>Chair: Prof. Ching-Cheng Chang</i>
12:00-13:30	Lunch
13:30-14:50	Panel Session 2: Understanding the Potential Impacts of Reducing

	<p>Food Losses and Waste in the Consumer and Retail Sectors</p> <p>Main Issues:</p> <ul style="list-style-type: none"> - <i>How to estimate the benefits of reducing food waste on the demand side (by households and in retail) for public policy reference/promotion?</i> - <i>Which sectors should receive priority when reducing food waste on the demand side (by households and in retail)?</i> - <i>How does this compare with pursuing a healthy diet and sustainable agriculture/food system in the EU and in the APEC?</i> - <i>What are the implications for reducing postharvest losses and food waste in the APEC region of liberalizing logistics sector through improving supply chain management?</i> <p>Presentations – 30 min each</p> <p>1. Impact of Reducing Food Loss and Waste in EU <i>Dr. Monika Verma (The Agricultural Economic Research Institute (LEI), Wageningen UR, the Netherland)</i></p> <p>2. Impact Assessment of Reducing Food Loss and Waste on Food Security in the APEC Region <i>Prof. Tony Shih-Hsun Hsu (National Taiwan University, Chinese Taipei)</i></p> <p><i>Chair: Dr. Don Gunasekera</i></p>
14:50-15:10	Coffee Break
15:10-18:00	<p>Session 3: Member Economy Reports on Food Waste</p> <p>Main Issues:</p> <ul style="list-style-type: none"> - <i>What is the retail and consumer relationship with the supply chain and production structure in your economy?</i> - <i>Are there retail stakeholders or consumer groups suitable for research and data gathering in your economy?</i> - <i>What is the current status of food waste research (e.g., prevention, reduction, recovery and recycling) in your economy and have they been applied to the food industry and consumers?</i> - <i>What are the existing information gaps and recommendations for data gathering and future research?</i> - <i>What are the major policies and measures/initiatives/programs to prevent, reduce, recover or recycle food waste in your economy? (Please provide the framework, plans of actions, targets, expected achievements, and potential challenges.)</i> <p>Presentations –15 min each report</p> <ol style="list-style-type: none"> 1. People's Republic of China: <i>Mrs. Xia Danping, Official, State Administration of Grain (SAG)</i> 2. Indonesia: <i>Mr. Apriyanto Dwi Nugroho, Head of Sub Division, Agency for Food Security, Ministry of Agriculture</i> 3. Republic of Korea: <i>Ms. Dawoom Park, Assistant Director, Ministry of Agriculture, Food and Rural Affairs</i> 4. Malaysia: <i>Dr. Razali bin Mustaffa, Senior Research Officer, Horticulture Research Centre, Malaysia Agricultural Research and Development Institute (MARDI)</i> 5. Papua New Guinea: <i>Mr. Mark Worinu, General Manager, Fresh</i>

	<p>Produce Development Agency Ltd</p> <p>6. Peru: Mr. Fernando Martinez, Office of Agricultural Policy And Regulation, Ministry of Agriculture And Irrigation</p> <p>7. The Philippines: Dr. Amelita R. Salvador, Supervising Science Research Specialist, DA-Philippine Center for Postharvest Development and Mechanization (PHilMech)</p> <p>8. Singapore: Ms. Hou Jih Wong, Manager, National Environment Agency</p> <p>9. Chinese Taipei: Prof. Tony Shih-Hsun Hsu, National Taiwan University</p> <p>10. Thailand: Mr. Chusak Chuenprayoth, Deputy Secretary General, Thai Chamber of Commerce</p> <p>11. Viet Nam: Mr. Pham Cong Dung, Head of Trade Division, Dept. of Agro-Processing, Ministry of Agriculture and Rural Development</p> <p>Moderators: Prof. Doo-Bong Han, Prof. Tzong-Ru Lee, and Dr. Witsanu Attavanich</p>
18:30-20:00	Welcome Dinner
DAY 2: July 19, 2016 (Tuesday)	
08:30-09:00	Registration
09:00-10:20	<p>Panel Session 4: Innovations for Food Waste Reduction</p> <p>Main Issues:</p> <ul style="list-style-type: none"> - <i>What are the major innovations/measures/initiatives/actions/programs to prevent, reduce, recover or recycle food waste at retail sector and consumers' level?</i> - <i>What issues should be prioritized and at what levels – individual, household, and other?</i> - <i>How to scale up the successful practices across the Asia-Pacific region to simulate policy formulation?</i> - <i>What are the lessons learned? What are the institutional/policy supports needed at local/economy/regional scale?</i> <p>Presentations – 30 min each</p> <p>1. Approaches to Reducing Food Loss in Kyoto City <i>Ms. Junko Katsumi (Director of Waste Reduction Promotion Section, Environment Policy Bureau, City of Kyoto , Japan)</i></p> <p>2. Approaches to Reducing Food Loss and Waste in Retail and Logistic Industry in Asia Pacific Region <i>Prof. Tzong-Ru Lee (National Chung-Hsing University, Chinese Taipei)</i></p> <p>Chair: Dr. Miranda Miroso</p>
10:20-10:40	Coffee Break
10:40-12:00	<p>Panel Session 5: Survey Implementation and Challenges in Retail Sector</p> <p>Main Issues:</p> <ul style="list-style-type: none"> - <i>How can the existing survey be further refined to include consumer and retail stakeholders in the dataset?</i> - <i>How can the existing survey be further refined to include consumer and retail stakeholders in the dataset?</i>

	<ul style="list-style-type: none"> - <i>How can data transparency and confidentiality be balanced for retail stakeholders responding to the questionnaire?</i> - <i>What support and funding is needed to conduct the survey on food waste in retail and consumer levels?</i> - <i>How can food waste survey become a priority for government to prevent, reduce, recover or recycle food waste?</i> <p>Presentations – 30 min each</p> <ol style="list-style-type: none"> 1. Policy Impacts and Determinants of Food Loss and Waste in Korea <i>Prof. Doo-Bong Han (Korea University, Korea)</i> 2. Existing International Efforts in Data Collection, Impact Assessment and Reduction in APEC Region <i>Dr. Witsanu Attavanich (Kasetsart University, Thailand)</i> <p>Chair: Dr. Monika Verma</p>
12:00-13:30	Lunch
13:30-15:30	<p>Panel Session 6: Public-Private Partnerships and Bottlenecks for Policy Implementation– Incentives and Best Practices</p> <p>Main Issues:</p> <ul style="list-style-type: none"> - <i>What are common bottlenecks to implement food waste reduction/prevention action plans/programs/initiatives?</i> - <i>Are there past successes or experiences in ameliorating or eliminating these implementation bottlenecks?</i> - <i>How can past successes be applied to food waste and loss reduction policies in the Asia-Pacific consumer and retail sectors?</i> - <i>Discuss the work plan for producer and consumer survey implementation, data gathering, analysis, and policy recommendation.</i> - <i>How can the survey be distributed across APEC economies and in what agreeable time window to encourage participation/engagement?</i> - <i>How to build policymaker buy-in to incorporate project outcomes</i> <p>Presentations – 30 min each</p> <ol style="list-style-type: none"> 1. Reducing Food Waste Actions in Consumer and Retailer Levels <i>Ms. Po-Lee Sham (Coordinator, Homemakers United Foundation, Chinese Taipei)</i> 2. Is There a Desirable Pathway to Reach a Food-Secured Future in APEC? <i>Prof. Ching-Cheng Chang (Academia Sinica and National Taiwan University, Chinese Taipei)</i> 3. Q&A and Experience Sharing on Sustainable Food Waste Management <p>Chair: Prof. Shih-Hsun Hsu</p>
15:30-15:50	Coffee Break
15:50-16:30	<p>Session 7: Conclusions, Recommendations, and Follow-Ups</p> <ul style="list-style-type: none"> - Summary Report <i>Prof. Ching-Cheng Chang (Academia Sinica and National Taiwan University, Chinese Taipei)</i> - Closing Remarks <i>Ms. Dong-Chong Hsiou, Deputy Director General, Department of International Affairs, Council of Agriculture</i>