

Technical Workshop Distributional Effects of Disasters on Food Security in ASEAN

17 July 2017, Putrajaya Marriot Hotel, Malaysia

Food security is increasingly compromised by the growing frequency of disaster events. Asia itself has incurred more than USD45 billion of economic loss in the last decade alone. Disasters also pushed food prices to above the incomes of many low-income households. In ASEAN context, one aspect of disasters that has been studied with less detail is related to agricultural production system and its economic and social impacts. This may due to the intrinsic complexity that characterized long term disaster predictions as well as assumptions on food security; or the wide variety of structural and non-structural measures evolved for adapting to climate induced disasters such as flooding, drought etc. There is a considerable discussion about whether the current levels of investment in agriculture and technology will be able to develop a resilient food production systems to the levels needed to feed a growing population. Liberalization of trade is believed to help manage some of the risks, but no regret adaptation measures are needed to develop a more resilient food value chains.

The main objectives of this study and the technical workshop are: (i) to understand the distributional effects of disasters and climate change and the related challenges to food security; (ii) analyze the required actions taken by policy makers to address these risks; (iii) share experiences on adjustment of key planning instruments on crop, livestock and fisheries sectors; (iv) exchange experiences on successful adaptation measures across the key vulnerable areas; and (v) undertake the cost-benefit analysis and identify the necessary structural and non-structural measures that could contribute to enhancing the disaster resilience in ASEAN.

Agenda

08.30 – 09.00 Registration

09.00 – 09.15 Opening Session

- Welcome remarks: ERIA, MARDI, CAPSA
- Objectives of the workshop, outcomes and expectations

Session 1 Estimation of the overall damage and losses on food production and distribution systems due to disasters and climate change

09.15 – 09.50 A regional assessment of economic losses and damages due to natural disasters
Yumi Shiomi, Asian Disaster Reduction Center and Takahiro Ono, Mitsubishi Insurance
Discussant: Paris Chuop, Deputy Secretary General National Council for Sustainable Development, Cambodia

09.50 – 10.25 ASEAN food security under the +2°C to +4°C climate change scenarios
Srivatsan Vijayaraghavan, National University of Singapore
Discussant: Sonephet Phosalath, Director of Division, Department of Climate Change Management, Ministry of Natural Resources and Environment

10.25 – 10.40 Coffee break

10.40 – 11.20 Effects of disasters on intra-ASEAN trade of agricultural products
John Kuwornu, Asian Institute of Technology
Discussant: Meach Yady, Chief of Agricultural Marketing Office (AMO), Department of Planning and Statistics, Ministry of Agriculture, Forestry and Fisheries

11.20 – 11.55 Effects of disasters and climate change on fisheries sector and their implications on ASEAN food security
Thayalan Gopal, University of Malaya
Mr. Nguyen Tuan Anh, Vice Director of Plant Quarantine Diagnostic Centre, Plant Protection Department, Ministry of Agriculture and Rural Development

11.55 – 12.30 Effects of disasters and climate change on livestock sector and their implications on ASEAN food security
Hyeon T Kim, Gyeongsang National University
Discussant: Chanseng Phongpachith, National Agricultural and Forest Research Institute (NAFRI), Ministry of Agriculture and Forestry

12.30 – 13.30 Lunch break

Session 2 Identification and assessment of strategies for resilience and food security

13.30 – 14.05 Successful adaptation measures for inland and coastal food security
Budi Indra Setiawan, IPB and Yamaji Eiji, UT
Discussant: Nay San Lin, Assistant Director, Union Minister Office, Ministry of Natural Resources and Environmental Conservation

14.05 – 14.40 Disasters and food security in cities: adaptation options for ASEAN
Jacob Kumaresan, World Health Organization
Discussant: Lai Van Manh, Department of Economics of Natural Resources and Environment Institute of Strategy and Policy on Natural Resources and Environment (ISPONRE), Ministry of Natural Resources and Environment

14.40 – 15.15 Distributional effects and change of risk management strategies: cost effective regimes in Europe and implications for ASEAN
Meinhard Breiling, Austria
Discussant: Budi Indra Setiawan, Advisor to the Minister, Ministry of Agriculture, Indonesia

15.15 – 15.30 Coffee break

Session 3 Necessary conditions for developing the Adaptation Road Maps

- 15.30 – 16.05 Ensuring food and nutritional security in the face of disasters and climate change: what are the adaptation solutions?
Vangimalla Reddy, United States Department of Agriculture
Discussant: Dr Theingi Myint, YAU, Myanmar
- 16.05 – 16.40 Adaptive solutions: what is the role of financial institutions and insurance industry?
Tomonori Sudo, Ritsumeikan Asia Pacific University
Discussant: Elnachezhian A Mohanadundram, State Department of Environment and Climate Change, India (Tbc)
- 16.40 – 17.15 Mainstreaming the resilience into SDGs and agricultural trade pacts: why and how?
Venkatachalam Anbumozhi, Mathias Helble, Asian Development Bank Institute
Discussant: Prameswari Arjunan, Ministry of Environment, Attorney's office, Malaysia

Wrap up Looking forward

- 17.15 – 17.30
- Outcomes of the papers and key messages
 - Open discussion, country follow up, and publication plans
 - Closing Remarks

Note: Presentation: 15 minutes; Discussant comments: 5 minutes; Open discussion: 10 minutes; Response from the presenter: 5 minutes