出國報告(出國類別:其他)

参加 APO 舉辦之「亞洲食品及 農企業大會:食物供應鏈綠色化(Asian Food and Agribusiness Conference: Greening the Food Supply Chain)」 出國報告

服務機關:行政院農業委員會農糧署

姓名職稱:許鈺佩技正 派赴國家:印尼峇里島

出國期間: 105年10月25日至10月29日

報告日期:106年2月23日

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摘要

亞洲生產力組織(APO)於 10 月 26 日至 28 日在印尼峇里島舉辦為期 3 日之「亞洲食品及農企業大會:食物供應鏈綠色化(Asian Food and Agribusiness Conference: Greening the Food Supply Chain)」,主辦單位包括 MVDADT (Ministry of Village, Development of Disadvantaged Regions, and Transmigration of Republic of Indonesia),協辦單位為 CIRDAP(Centre on Integrated Rural Development for Asia and the Pacific),共有亞太地區 14 個會員國計 36 人及印尼當地相關農業人員數十名參加與會。本研習會目的在於(一)提供一個亞洲國家在農業中滿足其國家食品需求、資源枯竭和環境退化等當前問題和新挑戰的討論平台。(二)分享有關農業生態創新的最佳做法和先進知識,以建設綠色食品供應鏈。(三)制訂一個可普遍應用於亞洲國家,且具生產及永續性的共同行動方案,以促進食物供應鏈綠色化。透過與會專家授課講解,學習農業生產力、食物供應鏈綠色化的定義、方法,並共同研討出應用方案,同時與會各國亦就農業綠色生產進行報告。主辦單位亦安排參訪位於布勒冷縣塔班南地區(Batunya, Buleleng)的有機農場 Organic Farming Garden。

壹、目的

參與由亞洲生產力組織(Asian Productivity Organization, APO)主辦之「亞洲食品及農企業大會:食物供應鏈綠色化(Asian Food and Agribusiness Conference: Greening the Food Supply Chain)」,研習會目的在於(一)提供一個亞洲國家在農業中滿足其國家食品需求、資源枯竭和環境退化等當前問題和新挑戰的討論平台。(二)分享有關農業生態創新的最佳做法和先進知識,以建設綠色食品供應鏈。(三)制訂一個可普遍應用於亞洲國家,且具生產及永續性的共同行動方案,以促進食物供應鏈綠色化。透過與會專家授課講解,學習農業生產力、食物供應鏈綠色化的定義、方法,並共同研討出應用方案,同時與會各國亦就農業綠色生產進行報告。。

貳、研習會基本資料

- 一、會議名稱: Asian Food and Agribusiness Conference: Greening the Food Supply Chain
- 二、舉辦機構:亞洲生產力組織(Asian Productivity Organization, APO)主辦,MVDADT (Ministry of Village, Development of Disadvantaged Regions, and Transmigration of Republic of Indonesia)承辦,協辦單位為 CIRDAP(Centre on Integrated Rural Development for Asia and the Pacific)。
- 三、日期:105年10月26日至28日,為期3日。
- 四、地點:印尼峇里島(Tehran, Islamic Republic of Iran)
- 五、參加成員:本次研習會計有我國(1人)、柬埔寨(3人)、印度(3人)、孟加拉(2人)、斐濟(1人)、伊朗(3人)、馬來西亞(3人)、蒙古(2人)、巴基斯坦(2人)、菲律賓(3人)、斯里蘭卡(3人)、尼泊爾(1人)、越南(2人)及地主國印尼(7人)等共14個會員國,包含當地人士計70人參加。我國由本會推薦農糧署許技正鈺佩代表參加。

學員名單

國家	姓名	職稱/服務單位	
	Ms. Hor Rathna	Lecturer/ Royal University of Agriculture Dongkor Dist.	
柬埔寨	Mr. Rany Vireak	Deputy Director /Department of International Cooperation Ministry of Agriculture, Forestry and Fisheries	
	Ms. Sao Chenda	Deputy General Manager/ BPS (Cambodia) Co., Ltd.	
斐濟	Ms. Raijieli Nabaku Bakewa	Principal Administrative Officer – Research / Ministry of Rural and Maritime Development and National Disaster Management	
	Mr. Nitin Kumar	Assistant Professor/ National Institute of Food Technology Entrepreneurship and Management	
印度	Dr. Pagadala Radhika	Professor/ Director, International Programmes Jayashankar Telangana State Agriculture University Admn. Office, Rajendranagar	
	Mr. Surendra Singh	Assistant Industrial Advisor/ Ministry of Food Processing Industries Panchsheel Bhawan, August Kranti Marg	
	Mr. Agus Purwantoro	Head/ Subdivision of International NGO Cooperation, Ministry of Village, Development of Disadvantaged Region and Transmigration	
印尼	Mr. Ajen Kurniawan	Officer for Productivity Cooperation/ Directorate of Productivity Development Ministry of Manpower Republic Indonesia	
	Ms. Ayu Primarini	Functional Staff/ Bilateral Cooperation, Ministry of Village, Development of Disadvantaged Region and Transmigraion	
	Mr. Muhammad Chandra Kaisar	Staff/ Bureau of Planning, Ministry of Village, Development of Disadvantaged Region and Transmigration	
	Mr. Raja Amin Hasibuan	Head/ Section of Infrastructure Development of Fourth Region Directorate of Food-Scarce Prone Region Development	
	Ms. Theresia Junidar	Head/ Foreign Cooperation Division, Ministry of Village, Development of Disadvantaged Region and Transmigration	
	Mr. Yoga Sidharta	General Functional Staff/ Ministry of Village, Development of Disadvantaged Region and Transmigration	

伊朗	Dr. Ali KianiRad	Research Deputy/ Agricultural Planning, Economic and Rural Development Research Institute (APERDRI), Ministry of Agriculture Jahad	
	Mr. Jamshid Pishkar	Member of Scientific Board/ Director of Learn and Earn Project in Agribusiness, Institute of Technical and Vocational Higher Education of Jahad-e-agriculture	
	Mr. Seyed Mahmoud Zavarei	Agriculture Expert/ National Iranian Productivity Organization	
- Z-hπ+ 2	Ms. Undral Sambuu	Safety and Internal Control Manager/ Max Food LLC, Trade and Fastfood Supermarket	
孟加拉	Mr. Vanchinkhuu Purevdorj	General Manager/ New Pax Mongol LLC	
尼泊爾	Mr. Pankaj Jalan	Executive Director/ Lord Buddha Education Foundation	
	Dr. Fezoil Luz Caga Decena	Senior Science Research Specialist/ Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development - Department of Science and Technology	
菲律賓	Ms. Leilani D. Pelegrina	Supervising Science Research Specialist/ Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development - Department of Science and Technology	
	Ms. Lucille Magbanua Busog	Chief Agrarian Reform Program Officer/ Designated as Provincial Agrarian Reform Program Officer Department of Agrarian Reform Provincial Office	
	Ms. M.M.K. Dilrukshi Walpola	Assistant District Secretary/ District Secretariat	
斯里蘭卡	Mr. W.H.D. Priyadarshana	Senior Research Officer, and Head/ Marketing Food Policy and Agribusiness Division Hector Kobbekaduwa Agrarian Research and Training Institute	
越南	Ms. Nguyen Thi Loan	Deputy Manager/ Research and Application of Technology for Plant Division Research and Development Center for Hi-tech Agriculture	
	Ms. Tran Thi Thuy Tien	Researcher and Trainer/ Sub-National Institute of Agricultural Planning and Projection Ministry of Agriculture and Rural Development	

六、專家講師名單:

國家	姓名	職稱/服務單位	
澳洲	Ms. Victoria Mack	Director / Secretariat for International Landcare	

		(SILC) Inc.
孟加拉	Dr. Md. Jashim Uddin	Associate Professor/ Department of Soil, Water and Environment University of Dhaka
印度	Mr. Manoj Kumar Menon	Executive Director/ International Competence Centre for Organic Agriculture (ICCOA)
巴基斯坦	Mr. Syed Saquib Mohyuddin	Chairman/ Pakistan Enterprise Development Facility (PEDF)
	Mr. Jose Apollo Y. Pacamalan	Executive Director and CEO/ Rice-Duck Movement Inc.
菲律賓	Dr. Louie A. Divinagracia	Professor Lecturer/ College of Public Affairs, University of the Philippines Los Banos (UPLB) College
新加坡	Dr. Wee Kheng Soon Rodney	Chief Executive and Principal Consultant/ Asia Cold Chain Centre (Singapore)
斯里蘭卡	Dr. M.I. Mohammed Mowjood	Professor/ Department of Agricultural Engineering Faculty of Agriculture, University of Peradeniya

七、研討會議程:

Timing	Activity	Speaker / Organizer		
	Day 1: Wednesday, 26 October 2016			
08:30-09:00	Registration	National Indonesia Productivity Organization (NIPO)		
09:00-10:00	Opening session Opening remarks by NPO-Indonesia Address by APO Representative, Dr Shaikh Tanveer Hossain Program Officer. Speech by CIRDAP, Mr. Tevita G. Boseiwaqa Taginavulau, DG. Speech by MVDDRT, Dr. Anwar Sanusi, Secretary General. Introduction of experts and participants Group photo & coffee break	Workshop Secretariat		
10:00-10:30	Tea/coffee break			
Session 1: Linkage between agrifood supply chains and agriculture/rural development				
10:30-11:15	dney Wee, Principal Consultant, Asia Cold Chain C Development of community-based enterprises for promoting green rural development.	Dr. Anwar Sanusi, Secretary General, MVDDRT		
11:15-12:00	Mainstreaming Green Supply Chains in CIRDAP Member-States' Rural Development Programs	Ms. Eva Tuzon Director		
12:00-12:30	Open Forum			
	Lunch break			
Session 2: Policy environment and external driving forces influencing the greening supply				
chains				
Chair: Dr. Anwar Sanusi, Secretary General, MVDDRT				

13:30-14:15	Policy and institutional settings for greening the value chains in selective Asian countries	Dr. Louie A. Divinagracia Professorial Lecturer, University of the Philippines Los Banos, Laguna, Philippines
14:15-15:00	Green market trends: Consumers as drivers of the adoption of green supply chains	Mr. Syed Saquib Mohyuddin,Chairman-PEDF, Pakistan
15:00-15:15	Discussions	
15: 15-15:30	Coffee break	
	tural resource management for sustainable rural (development and greening the
environment		
	noj K. Menon, Executive Director, ICCOA, India	
15:30-16:15	Biogas - a Landcare solution for rural people in Indonesia and around the world	Victoria Mack Director Secretariat for International Landcare (SILC), Australia
16:15-17:00	Conversion of farm waste into biofuel	Prof. Dr. M.l. M. Mowj'ood Dept. of Agricultural Engineering, Faculty of agriculture, University of Peradeniya, Peradeniya, Sri Lanka
17:00-17:30	Open Forum	
19:00-21:00	Welcome Reception by MVDDRT & CIRDAP	
	Day 2: Thursday, 27 October 2010	6
Session 4. Re	st practices and knowledge of agro-eco innovation	
to green food supply chains		
08:45-09:30	Food Seculty in the Arid Upland of East Indonesian Archipelago	Prof. Dr. Made Merta, Universites Udayana, Kampus Bukit Jarbaran Ball
09:30-10:15	Sustainable and integrated biovillage model for livelihood and rural development	Mr. Manoj K. Menon Executive Director, ICCOA, India
10:15-10:30	Coffee break	
10:30-11:15	Duck powered organic rice-duck value chain development for sustainable food production and rural community development in the Philippines	Mr. Jose Apollo Y. Paca- malan Executive Director and CEO Rice-Duck Movement Inc. Philippines
11:15-11:30	Open Forum	
development	Modem technologies and innovative ways to in	
	ctoria Mack Director, Secretariat for International	
11:30-12:15	Role of ICTs in promoting sustainable rural development: Geo-informatics applications	Md. Jashim Uddin, Associate Professor, Department of Soil, Water and Environment, University of Dhaka, Bangladesh
12:15-12:30	Open Forum	
12:30-13:30	Lunch break	
recycling) and	een packaging (eco-packaging, biodegradable pac d sustainable supply chain models ed Saquib Mohyuddin Chairman-PEDF, Pakistan	kaging, green packaging, and

13:30-14:15	Value-added innovative and green packaging for fresh produce for SME farms in Asia	Dr.Rodney Wee Principal Consultant Asia Cold Chain Centre,
14 15 15 00	TDD	Singapore.
14:15-15:00	TBD	TBD
15:00-15:15	Open Forum	
15:15-15:30	Coffee break	
15:30-16:30	Country paper presentation (selective)	
16:30-17:00	Open Forum	
19:00-21:00	Farewell dinner hosted by Asian Productivity Organization	
	Day 3: Friday, 28 October 2016	
7:00-12:00	Field visit	Participants
	Organic Farm of Mr. I Wayan Balik Adimerta at Baturiti, Tabanan	
12:30-13:30	Lunch Break	
	nel Discussion on the way forward to greening the	food supply chain in
agrifood busin		
13:30-14:00	eroy Samy Uguy, Head of R & D, MVDDRT Follow-up actions by participants; Evaluation	Dr. Louis A. Divinograsia
13:30-14:00	by Participants, Resource persons and Local Organizers	Dr. Louie A. Divinagracia (Chief expert) Professorial Lecturer, University of the Philippines Los Banos, Laguna, Philippines
14:00-15:45	Introductory Statements by Panel Members	
	•Open discussions	
15:45-16:00	Wrap up by Chief expert Coffee break	
Chair: Dr. Any	mming up and closing ceremony war Sanusi, Secretary General of MVDDRT	
16:00-17:00	Closing remarks	- RPs and participants
		- CIRDAP Representative
		-APO Representative
		- Official of NPO Indonesia
		(tbc) - Secretary General of
		MVDDRT
	- Certificate conferment	
Day 0: Saturday, 29 October 2016		
14:00	Departure of Participants from Bali	

參、研習結論

為協助各國推進食物供應鏈綠色化,以及利用創新加強供應鏈生產力和永續性, 本研習會共同討論建議如下:

(一) 政策面

企業的領導及政府輔導措施的支持,以複製及擴大綠色食物價值鏈模式(green agri-food value chain model),小農及小農場的發展將有預期性的影響。

(二) 技術

- 1. 鼓勵使用生物能源和生物質技術來生產具有低碳排放性的可再生能源。
- 参考原住民攜帶食物的方式,輔導小農從生產、包裝、運送及零售新鮮農產品等符合綠色生產技術之基礎。
- 3. 鼓勵亞洲農民及農民組織採用ICT技術,為農業帶來可持續的效益。

(三) 市場

在綠色農產食品價值鏈中,必須加強市場聯繫和保證公平價格。"綠色"食品必須符合最終用戶的要求,並遵守食品安全和營養標準。

(四) 管理體系

結合農業與生態體系,如禾鴨共生,並可進一步推行至其他亞洲國家。

(五) 教育

透過多元平台及永續教育協助農民及企業參與訓練課程,瞭解綠色食品價值鏈制度。

肆、心得與建議

- 一、近來我國農委會推行的施政方針及執行的重大計畫項目,包括「有機農業」、「產銷履歷」及「地產地消」等,均與本次研討會「農業綠色生產力最佳範例」目的與議題等相關,惟本次研討之議題由自然農法、村落農業到有機法規等涵蓋範圍太廣泛,各國代表背景專精及有興趣之領域亦多不同,且來自亞洲地區計 12 國不同農業型態,不易針對議題進行深入討論,若可與相近似農業型態之國家一起開會研討,例如日本、韓國、中華民國、泰國等東亞地區,討論較能獲得共識。
- 二、本次會議邀請的講師中,來自斯里蘭卡的 Mowjood 博士分享生質能源(Biofuel)推廣成果, Mowjood 博士將原來認為是農業剩餘物,如一般常見的稻殼、菜葉或家禽、家畜之排泄物,在簡易的設備經發酵反應轉為生質能源,直接作為生火的燃料或再儲存為電力,不僅提高二次利用價值,也減少當地砍伐樹木作為柴火的需求及民眾的支出。

伍、參訪研習照片



圖一、全體學員團體照



圖二、斯里蘭卡農戶已實際利用 Mowjood 博士研發的生質能轉換器