The 32nd CACCI Conference

Move Towards Sustainable Agricultural and Rural Development

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November 23-24, 2018 Ciragan Palace Kempinski, Istanbul, Turkey

FOOD AND FERTILIZER TECHNOLOGY CENTER for the Asian and Pacific Region





Breakout Session

- Dialogue and panel discussion and information sharing on important sectoral issues
- To explore possible areas of cooperation among CACCI members within the same sector

November 23-24, 2018
Ciragan Palace Kempinski, Istanbul, Turkey

FOOD AND FERTILIZER TECHNOLOGY CENTER for the Asian and Pacific Region



Outline



- FFTC's Mission and Vision
- Future Challenges
- Creating New Opportunities for Partnerships
- Future Plans
- Technical Advisory Committee Meeting
- Platform for Cooperation
- Summary of FFTC Projects for 2017
- Summary of FFTC Projects for 2018
- The FFTC Strategic Plan for 2019-2020
- Summary of FFTC Projects for 2019
- Sustainability and Prosperity

FFTC's Mission

The Agreement of Establishing FFTC in 1970

"...recognizing that the Governments and peoples of the Asian and Pacific Region have a common interest in strengthening their existing bonds of solidarity and cooperation, being convinced that the increasing agricultural food production and raising farmers' incomes are of primary importance for the development of the region..."

Part of the original document of the agreement of establishing FFTC

Move towards no poverty, no hunger and towards sustainable agricultural and rural developments

FFTC's Mission

- Promote sustainable agricultural and rural development
- Bridge the gap between scientists and farmers
- Share new technologies and policies developed in different countries
- Help close the technology gap between developed and developing countries









FFTC's Vision

- Move towards sustainable agriculture and rural development
- Better rural resource management
- Empower and improve farming efficiency
- Achieve higher incomes for farmers
- Make their lives better









As an Information Center

- FFTC collects policy and technology information, builds up experts' networking and sharing of experiences by conducting seminars and workshops, soliciting agricultural policy articles and information and engaging in international activities, etc.
- The Center conducts consultations with agriculture experts in the region
- FFTC packages the collected information and disseminates this through annual report, e-publications, the Center's website, Facebook and social media









Because of the Changing Agricultural Landscape

- FFTC aligns, attunes and adapts itself to the times
- The Center works in expanding networks and scaling up for future challenges









Future Challenges

- Capacity building and financial support
- Strengthening and expanding partnerships and linkages
- Improving the quality of workshops and seminars
- Maximizing the use of social media and ICT
- Increasing Visibility and Impacts











Creating New Opportunities for Partnerships

- FFTC's traditional projects and activities
- FFTC's engagement in other activities
- **Summary of other activities**
- Plans for the future









FFTC Collects Agricultural Information, technologies and policies



International seminar on "Enhancing Agricultural Cooperatives' Roles in Food Consumption Trends"



Signing of MOU with Department of Livestock Production, Min. of Agric. & Rural Dev't., Vietnam



Organizing committee on Dragon Fruit Network Initiative





Agricultural Policy Platform advisory meeting



Organic farming seminar field trip

FFTC Disseminates Information



FFTC Engages in Other Activities





Benefits

- Building and strengthening networks
- Helping promote the Center
- Increasing corporate visibility
- Creating new opportunities for partnerships









Summary of Other Activities

- Visiting farmers, private sector and government agencies
- Giving speeches and lectures to international conferences and academic institutions
- Participating in agricultural fora, meetings and conferences
- Paying and receiving courtesy calls
- Meeting with members of the private sector
- Attending international agricultural exhibitions
- Hosting dinners and meetings with agricultural leaders
- Inviting private sector, farmers and farmers' organizations to participate in the activities











Future Plans

- Strengthen existing tie-ups with member countries and network
- Engage and invite members of the private sector in Center activities
- Organize a big symposium in 2020 for FFTC's 50th anniversary
- Re-establish tie-ups with original partners like Indonesia, New Zealand and Australia
- Establish linkages with other possible Asian partners
- Promote mutual visits and exploring the possibilities of mutual cooperation













FFTC held TAC Meeting at Big Roots Forest Spa Resort

On July 23-26, 2018, FFTC held the 24th TAC Meeting to discuss FFTC management, vision, mission and Strategic Action Plan for 2019-2020.



Technical Advisory Committee Members

Japan



Dr. Atsuro Matsuda

an Korea



Dr. TR Kwon

Malaysia



Dr.Mohamad Roff Mohd.
Noor

Philippines



Dr. Reynaldo V. Ebora

Philippines



Dr. Edna Samar

Taiwan



Dr. Masa Iwanaga

Dr. Junne-Jih Chen

情

Dr. Chung-Hsiu Hung

Thailand



Dr. Siree Chaiseri

Vietnam



Dr. Nguyen Xuan Lai



Platform for Cooperation



- Invited to Deliver Speeches and Lectures
- International Visits and Meetings
- FFTC Receives Foreign Guests
- Local Guests Visit FFTC
- Visit Local Partners and Institutes
- Fellowships and Partnerships



2018 Invited to Deliver Speeches













Thailand, Kasetsart University, March 2018









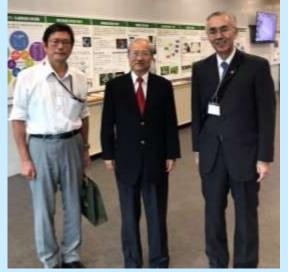


Japan, NARO and JIRCAS, September 28, 2018















Malaysia, MARDI, October 2, 2018





Korea, KERI, RDA, September 5, 2018





Vietnam, VAAS, November 5, 2018





Vietnam, PPRI, SFRI, November 5, 2018







Vietnam, SOFRI, November 7, 2018





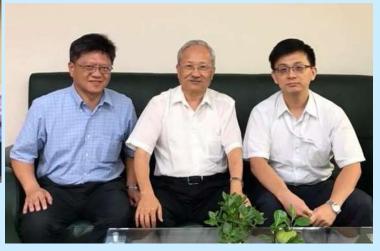
2018 FFTC Receives Foreign Guests





2018 FFTC Receives Local Guests





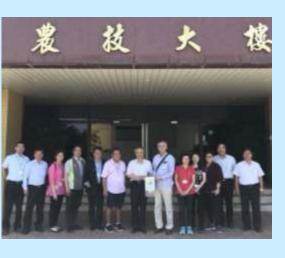








2018 Visit Local Partners and Institutes















2018 Fellowships and Partnerships







2018 Fellowships and Partnerships









Summary of FFTC Projects for 2017

- Ten projects comprise FFTC's work program for 2017
- The projects are aligned to FFTC's Strategic Action Plan for 2017-2018
 - 1. Upholding the Small-scale Farming Under Climate Change
 - 2. Promoting Food Safety with Green Agriculture
 - 3. Promoting Market Value Adding in Small-scale Farming
 - 4. Strengthening Small-Scale Farming under Free Trade
 - 5. Increasing Young Generation to Engage in Farming
- Topics or themes focused on issues related to knowledge management, ICT agriculture, and role of agricultural cooperatives to changes in food consumption trends, etc.



Summary of FFTC Projects for 2017

Project No. & Title		Type*	Partner(s) Venue		Date			
01	Adopting Smart Beef Cattle Feeding Techniques	SM	Suranaree Univ. of Technology, Thailand	Nakhan Ratchasima, Thailand	1-6 June			
02	Enhancing Farm Management Efficiency by ICT for Young Farmers	SM	NARO	Tsukuba, Japan	2-6 October			
03	Roles of Cooperatives in Response to Changes in Food Consumption Trends	SM	NTIFO	Taipei, Taiwan	18-22 September			
04	Boar Semen Application for Pork Quality Improvement	SM	TLRI/DLP	Hanoi, Vietnam	6-10 November			
05	Developing Knowledge Management (KM) in Agriculture for Small-scale Farmers	WS	PCAARRD	Los Banos, Philippines	9-11 May			
06	Developing Organic Agriculture as New Business Opportunity for Small-scale Farmers	WS	NIU, Taiwan	Ylan, Taiwan	22-26 May			
07	Protected Cultivation of High Value Crops Under Changing Climate Conditions	WS	MARDI	Selangor, Malaysia	11-15 September			
08	Establishing an Agricultural Management System for Small-scale Farmers in the Asian Pacific Region (Year 1)	CI	TARI	Taiwan	2017-2018			
09	Asia-Pacific Information Platform on Agricultural Policy (Year 5)	CI	10 countries		Jan-Dec			
10	Enhancing Collaborative Research Network on the Control of Dragon Fruit Diseases and Pests in Southeast and South Asia	Net	10 countries		Jan-Dec			
	*Legend: WS-Workshop, SM- Seminar, Net-Network, CI-Collection of Information							



Y2018 Work Programs











Summary of FFTC Projects for 2018

Project No. & Title		Туре	Organizer	Expected Partner	Venue	Date			
01	The 24 th Meeting of the FFTC Technical Advisory Committee (TAC)	MTG	FFTC	-	Taipei, Taiwan	23-26 July			
02	Promoting Farmers' Market Through Value-adding Activities	SM	KU	-	KU, Thailand	5-9 June			
03	Strengthening the Prevention Strategies and Early Warning Systems of Agricultural Disasters though Information and Communication Technology (ICT) Techniques	SM	TARI and FFTC	NTU, NCHU, NCDR, CWB	Taichung, Taiwan	21-25 October			
04	Soil and Plant Tissue Analysis: Testing Methods, QA/QC, Data Interpretation and Application	WS	TARI, FFTC	NTU, NCHU	Taichung, Taiwan	11-15 September			
05	Quality Assurance and ISTA Accreditation for Beginners	WS	NARO, FFTC	ISTA, TSIPS	Tsukuba, Japan	18-22 June			
06	Fostering Increased Engagement and Capacitating the Youth on Agri-entrepreneurship	WS	MARDI, PCAARRD, FFTC	-	Malaysia,	1-5 October			
07	Smart Use of Fertilizers for Environmentally Friendly Agriculture	WS	TDARES	-	Changhua, Taiwan	29 October to 2 November			
08	Climate Smart Agriculture for Small-Scale Farmers in the Asia Pacific Region	WS	NARO, FFTC	NIAES	Tsukuba, Japan	26-30 September			
09	Asia-Pacific Information Platform on Agricultural Policy (Year 6)	CI	FFTC	10 countries		Jan-Dec, 2018			
10	Enhancing Collaborative Research Network on the Control of Dragon Fruit Disease and Pests in Southeast	Net	FFTC	MI, PFR, TARI	Taipei, Taiwan	22-25 April			

 $[\]hbox{*Legend: MTG-Meeting, WS-Workshop, SM-Seminar, Net-Network, CI-Collection of Information}\\$

and South Asia



01 The 24th Meeting of the FFTC Technical Advisory Committee (TAC) FFTC Taipei Taiwan 23-26 July

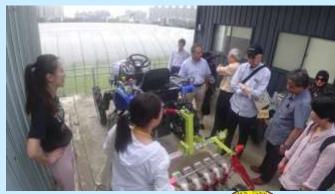














02 Promoting Farmers' Market Through Value-adding Activities KU KU, Thailand, 5-9 June

















03 Strengthening the Prevention Strategies and Early Warning Systems of Agricultural Disasters though Information and Communication Technology (ICT) Techniques, TARI and FFTC,

Taichung, Taiwan, October 21-25















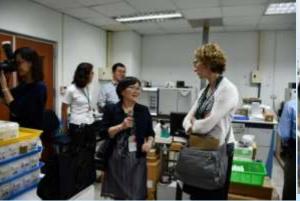


04 Soil and Plant Tissue Analysis: Testing Methods, QA/QC, Data Interpretation and Application, TARI, FFTC Taichung, Taiwan, 11-15 September













05 Quality Assurance and ISTA Accreditation for Beginners, NARO, FFTC, Tsukuba, Japan, 18-22 June













06 Fostering Increased Engagement and Capacitating the Youth on Agri-entrepreneurship MARDI, PCAARRD, FFTC Malaysia, 1-5 October













07 Smart Use of Fertilizers for Environmentally Friendly Agriculture, TDARES, Changhua, Taiwan 29 October to 2 November





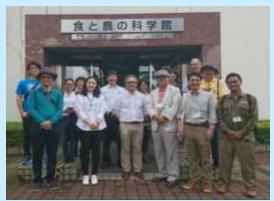
08 Climate Smart Agriculture for the small scale farmers in the Asian and Pacific Region, NARO, FFTC Tsukuba, Japan, 26-30 September















10 Enhancing Collaborative Research Network on the Control of Dragon Fruit Disease and Pests in Southeast and South Asia (2nd year), FFTC, Taipei, Taiwan, 22-25 April















Proposed Y2019 Projects











The FFTC Strategic Plan for 2019-2020

Five program themes:

- ◆ Intelligent Agriculture by ICT
- Value-added Agriculture
- Climate Smart Agriculture
- Environmentally Friendly Technologies
- Rural Resource Management

Intelligent Agriculture by ICT

FFTC plans to organize more activities that will tap the expertise of people involved in intelligent agriculture.

Related Possible Workshop/Seminar Topics:

- Precision agriculture by ICT applications for farming technologies
- Application of ICT technologies for pest and pathogen management
- ◆ Application of the AI, UAV, Autonomous farming, and Plant Factory in today's new agriculture (agronomy, livestock and aquaculture management) and big data platform for smart agriculture
- Utilization of ICT for quality control of agricultural products

Value-added Agriculture

The Center hopes to carry out programs and projects that could help the farmers develop their own market niches through valueadding activities.

Related Possible Workshop/Seminar Topics:

- Value-adding of agricultural products based on consumer preferences
- Supporting new promising fruit industry like the dragon fruit industry and its potential to create value-added products
- Crop production of functional foods
- ◆ Improving Traceable Agricultural Products
- Beginners guide to crop insurance for small-scale farmers in Asia

Climate-Smart Agriculture

FFTC intends to pursue activities that deal with climate-smart agriculture.

Suggested Possible Related Topics:

- ♦ Assessing the damage risk in farming due to extreme weather
- Prevention system of agricultural irrigation facilities from natural disaster
- Adaptation technologies under severe climate conditions
- Institutional reforms in agriculture in response to climate change
- The adequate adoption of climate-smart technologies by small farms

Environmentally Friendly Technologies

Environmentally friendly technologies, as the term implies, are technologies that are ecologically sound, socially equitable, economically viable and environmentally sustainable.

Related Possible Workshop/Seminar Topics:

- ◆ The use of LED, ultrasonic and natural enemies for crop protection;
- ◆ Soil-borne diseases, new diagnosis and prevention system in Asia;
- Transboundary (cross-border) pest management
- Training course for young farmers on pest control in agriculture
- Organic matter application in farming

Rural Resources Management

The conservation and management of rural resources has become a fundamental part of agricultural development. It basically covers the management of farm lands, irrigation, environment, organic resources, and the rural community.

Related Possible Workshop Seminar Topics:

- ◆ Balancing rural development and ecosystem for agri-tourism
- Ecosystem services and pollination
- ◆ Local renewable energy and biomass utilization
- ◆ Slopeland agriculture development and resource management
- → Efficiency in agricultural land and water management

Summary of Y2019 Projects and Budget

	Project No. & Title	Туре	Organizer	Expected Partner	Venue	Date	Budget
01	Smart Agriculture in Asia-Pacific Region: Current Status and Future Prospects	SM	NARO and FFTC	-	Tokyo, Japan	Mid-2019	US\$24,000 ¹ US\$28,000 ³ US\$2,000 ²
02	Dissemination of Agricultural Information Mobil Contents in Asia	тс	AFACI/RDA and FFTC	-	Korea	July 2019	US\$24,000 ¹ US\$20,000 ⁴ US\$2,000 ²
03	ICT Technologies for Precision Agriculture	WS	MARDI and FFTC	-	Malaysia	To be decided	US\$24,000 ¹ US\$7,000 ⁵ US\$2,000 ²
04	Ecosystem Approach to Fisheries Management	тс	PCAARRD and FFTC	-	Philippine	To be decided	US\$24,000 ¹ US\$5,000 ⁶ US\$2,000 ²
05	Smart Agriculture for Environmentally and Consumer Friendly Food Production	SM	TARI, NPUST, WVG, and FFTC	-	NPUST, Taiwan	Late May or Early June, 2019	US\$24,000 ¹ US\$5,000 ⁷ US\$2,000 ²
06	Satoyama Initiative: Ecosystem Services Utilization for Balancing Development of Rural Communities	SM	HDARES and FFTC	NDHU, NTU, NCHU	Hualien, Taiwan	To be decided	US\$25,000 ¹ US\$6,000 ⁸ US\$3,000 ²
07	Enabling Capacity in Production and Application of Bio-pesticides and Bio-fertilizer for Soil-borne Disease Control and Organic Farming	WS	VAAS and FFTC	-	Vietnam	To be decided	U\$\$24,000 ¹ U\$\$5,000 ⁹ U\$\$2,000 ²
08	FFTC 2019 Proficiency Testing Program of Soil, Plant Tissue, and Fertilizer Analysis	NET	TARI and FFTC	NTU, NCHU	Taiwan	Jan-Dec 2019	US\$3,000 ¹ US\$2,000 ²
09	Enhancing Collaborative Research Network on the Value Chain and Control of Dragon Fruit Pests and Diseases in Southeast and South Asia (2 nd year)	NET	VAAS and FFTC	TARI, PFR, PPRI, SOFRI, MOFA	Vietnam	To be decided	US\$70,000 ⁶ US\$3,000 ²
10	Asia-Pacific Information Platform on Agricultural Policy (Year 7)	CI	FFTC	10 countries		Jan-Dec, 2019	US\$70,000 ¹ US\$2,000 ²

^{*}Legend: SM-Seminar, TC-Training Course, WS-Workshop, CI-Collection of Information, NET-Network

Counterpart fund:

^{1.}COA US\$242,000 2.FFTC US\$22,000 6.MOFA US\$70,000 Total US\$334,000

^{3.} NARO US\$28,000 4. RDA(AFACI) US\$20,000 5. MARDI US\$7,000 6. PCAARRD US\$5,000 7. TARI, NPUST, WVC US\$5,000 8. HDARES US\$6,000

^{9.} VAAS US\$5,000 Total US\$76,000



Sustainability and Prosperity







- Promote the Sustainable Agricultural and Rural Development for the Asian and Pacific Region
- Partnership and Working Together
- We Can Make a Better Rural Area
- We Can Help to Enhance Farmers' Income and Welfare
- We Can Make Agricultural Development More Efficient and Environmentally Friendly



The 32nd CACCI Conference November 23-24, 2018

Thank you



FOOD AND FERTILIZER TECHNOLOGY CENTER FOR THE ASIAN AND PACIFIC REGION