



國立中興大學  
National Chung Hsing University



The College of the Agriculture and Natural Resources

**NCHU 2017**  
**17th International Students Summit**  
*on Food, Agriculture and Environment*  
*in the New Century*

**2017國際學生高峰會**

**9/21~9/27**





2017 TAICHUNG

# 第17屆 國際學生高峰會

The 17th International Students Summit (ISS)  
on Food, Agriculture, and Environment in the  
New Century

SEP 25 | 26

09:00 - 17:00

圖書館7樓

國際會議廳

NCHU library 7F

International Conference Hall

主辦單位：



贊助單位：



## 第 17 屆國際學生高峰論壇

一、活動名稱：第 17 屆國際學生高峰論壇 (The 17th International Student Summit on Food, Agriculture, and Environment in the New Century)

二、活動背景：

有感於世界的快速變化，應該讓年輕世代有更多發聲及參與改善世界的機會，日本東京農業大學自 2001 年開始於東京舉辦「第一屆國際學生高峰論壇」(International Students Summit (ISS) on Food, Agriculture, and Environment in the New Century)，該論壇是以大學生為主體的學生國際性活動，其目的在於培育東京農業大學及各國的學生，針對各自國家或地區所面臨之與農業相關的全球重要議題，透過學生各自所進行之具體行動，藉此改善各國家或地區所面臨之問題；並於會議中提供機會，讓與會之各國學生對各自行動的理論、方法、影響(經濟、社會及文化)等層面，互相進行深入的交流、討論及彼此學習。在論壇討論之互相交流及激盪下，能讓學生們有不一樣的領悟及思考方向，讓學生回到自己的校園後能夠利用會議中之所學改善其行動策略，以達到改善各國農業、食品與環境等問題之目的。

國際學生高峰論壇預計在中興大學舉辦第 17 屆，本次共有 49 位學生參與報告，來自 20 餘國家。另有 40 位各國指導老師及東京農業大學老師一同與會。相信經由此國際學生高峰論壇的舉辦，一定能夠提升中興大學師生的國際化視野及觀念。

三、活動內容：

**第 17 屆國際學生高峰論壇議程**

**時間: 2017 年 9 月 25~26 日**

**地點: 國立中興大學圖書館 7 樓國際會議廳**

## The program

# 17<sup>th</sup> International Students Summit

September 25 (Monday)

09:00            Opening Ceremony  
                  Taichung City vice-mayor  
                  President/ Dr. Katsumi TAKANO (Tokyo University of Agriculture,  
                  Tokyo Nodai)  
                  President/Dr. Fuh-Sheng Shieu (National Chung Hsing University)

### Special Keynote Speech

09:30            **Kizuna, the bonds for solving problems by various approaches**  
                  Professor Keiko T. NATSUAKI. Vice President of Tokyo University of  
                  Agriculture, Japan

10:00            **My Mission for Control of Papaya Virus, from Research to  
Application**  
                  Chair Professor Shyi-Dong Yeh. National Chung Hsing University

### Session 1 Students' Actions in the Field of Education

#### Session 1-1

**Chairpersons: Huai-Shiuan Huang, Ping-Hunh Yen, and Ryuichiro Murakami**

10:30            **Fun Walking Enviropedia: Environmental Encyclopedia Mobile  
Application with Augmented Reality Technology for Children**  
                  Bogor Agricultural University: Mr. Muhammad Murtadha Ramadhan  
                  and Mr. Eric Faustine

10:45            **Sustainable management in rural village**  
                  National Chung Hsing University: Mr. Ching-Hsiang Lin and Ms.  
                  Yu-Ti Jiang

11:00            **Provision of agricultural knowledge to smallholder farmers in  
Morogoro Municipality through participatory approaches by  
students of Sokoine University of Agriculture**  
                  Sokoine University of Agriculture: Ms. Selemani Mwajabu

11:15            **Sustainable agriculture: programmes, policy and promotion**  
                  University of Reading: Mr. Kyle Marlow-Spalding

11:30            **Educational innovations and their influence on the students in the  
National University of Life and Sciences of Ukraine**

National University of Life and Environmental Sciences of Ukraine:  
Mr. Mykhailo Marshalok

11:45 **Discussion**

12:00 **Break**

### **Session 1-2**

**Chairpersons: Ming-Chin Tang, Meng-Tien Chang, and Yukino Ota**

13:00 **Reaching Out to Local Farmers**

Kasetsart University: Ms. Sasiprara Keeranon

13:15 **Discovering Students' Passions through Taking Action in Interdisciplinary Experiences in Agriculture and Natural Resources**

Michigan State University: Ms. Samantha Jo Ludlam and Ms. Kera Margaret Howell

13:30 **Aging Farmers: A challenge to Philippine food and agriculture sector**

University of the Philippines Los Baños: Ms. Nitchelle Rose P. Sangalang

13:45 **The role of university extension to promote sustainable agriculture**

University of São Paulo: Mr. Gillyade Correia Menino and Mr. Heitor Hideki Shimada

14:00 **Discussion**

14:15 **Break**

### **Session 1-3**

**Chairpersons: Ching-Wen Liao, Yu-Shan Liu, and Rehema Karata Mussa**

14:20 **Creating Sustainable Global Systems through Iowa State University's Global Resource Systems Students**

Iowa State University: Ms. Karyl Clarete

14:35 **A study on the activating plan of rural experience activities for sustainable agriculture**

Kyungpook National University : Ms. Ha Ram Ok and Mr. Tae In Kang

14:50 **Improving Productive Potential of Farmers through Awareness in Order to Promote Sustainable Agriculture in Sri Lanka**

University of Peradeniya: Ms. Chamodha Dinithi Atukorala and Ms. Hasara Nuwangi Kaludewa

15:05 **Communities of Practice and Agricultural Sustainability: The Role**

**of Students**

The University of Western Australia: Mr. Joshua Clune

15:20 **Discussion**

15:35 **Break**

**Session 2 Students' Actions in the Field of Food Security**

**Session 2-1**

**Chairpersons: Pei-Yu Huang, Mami Takashima, and Minami Yamasaki**

15:40 **Feeding Students, Feeding the Future: How a Grocery Store and Symposium Tackle Food Insecurity**

Cornell University: Ms. Francine Grace Barchett

15:55 **Students' role in promoting potato becoming a staple food**

Shanghai Jiao Tong University: Ms. Wu Jing

16:10 **Students taking action to address inequality through greater access to resources and knowledge in order to promote sustainable agriculture**

Wageningen University: Mr. Kees Stijne

16:25 **China Agricultural University's contribution in solving inequality problem and promoting sustainable agricultural development**

China Agricultural University: Ms. Fu Yutong

16:40 **Discussion**

**Poster Session**

16:55 Poster presentation

**September 26 (Tuesday)**

**Session 2-2**

**Chairpersons: Tian-Jyu Lee and Rodrigo Torres**

- 09:00            **Increasing rice demand by introducing function of the rice for Japanese Agriculture**  
Tokyo University of Agriculture: Ms. Megumi Oikawa
- 09:15            **Sustainable Agriculture, Creation of Family Orchards as an Alternative to Generate Food Security in Mexican Communities**  
Universidad Autónoma Chapingo: Mr. Rubén Zárate Reyes
- 09:30            **The Agronomy Garden: Inviting the Campus Community to the UBC Food System**  
The University of British Columbia: Mr. Julian Villafuerte Diaz
- 09:45            **Discussion**
- 10:00            **Break**

**Session 3 Students' Actions in the Field of Agriculture**

**Session 3-1**

**Chairpersons: Jin-Chi Hu and Edson Morales**

- 10:05            **Biofertilizers: an alternative for sustainable agriculture in the Amazon region**  
Universidade Federal Rural da Amazônia: Mr. Elson Junior Souza da Silva and Ms. Jéssy Anni Vilhena Senado
- 10:20            **Waste cycling in campus: using black soldier fly to recycle food waste**  
National Chung Hsing University: Ms. Hsuan Lu and Ms. Kuan Tzu Tseng
- 10:35            **Thai Agriculture**  
Thammasart University: Ms. Rantiya lad-ak (Bangkok)
- 10:50            **Discussion**
- 11:05            **Break**

**Session 3-2**

**Chairpersons: Dai-Cian You, Yi-Ning Chiu, and Issa Aburahaman Kachenje**

- 11:10            **Improved value chains for smallholders conserving biodiversity: working with Peruvian chili peppers**  
National Agrarian University La Molina: Ms. Claudia Alejandra Arrascue Vargas

- 11:25           **Outreach Program: Adoption of Malaysia Good Agriculture Practice (MyGAP) among small-scale farmers toward better food quality**  
 Universiti Putra Malaysia: Mr. Kamarulridhuan bin Razali
- 11:40           **Agriculture in Djibouti and how to improve it**  
 Djibouti University: Ms. Asma Ali Adan
- 11:55           **Discussion**
- 12:10           **Break**

#### **Session 4 Students' Actions in the Field of Environment**

##### **Session 4-1**

**Chairpersons: Effendi Andoko, Entzu Liu, Miyuki Itou**

- 13:00           **Sustainable Agriculture in Nan province, Thailand : Participatory approach**  
 Chulalongkorn University: Ms. Nutwara Chansakul
- 13:15           **„OptiKuh“ - scientific based program to optimize sustainable dairy husbandry production in Germany**  
 University of Applied Science Weihenstephan - Triesdorf: Mr. Bugra Yilmazel and Mrs. Celina Philipps
- 13:30           **Study on Economic Threshold of Armyworm (*Spodoptera exigua*) on Chinese Kale (*Brassica oleracea* var.*alboglabra*) In Net-house, Cambodia**  
 Royal University of Agriculture: Ms. Um Sokheang
- 13:45           **Effect of Water Hardness of starting water on the Production and its Antimicrobial Efficacy of Slightly Acidic Electrolyzed Water**  
 Kangwon National University: Ms. Hyun Ji Kim
- 14:00           **Discussion**
- 14:15           **Break**

##### **Session 4-2**

**Chairpersons: Mónica Chávez, Mayu Suzuki, Kazuko Fushimi**

- 14:20           **Students taking to action to address inequality through greater access to resources and knowledge in order to promote sustainable agriculture**  
 Mongolian University of Life Sciences: Ms. Uyanga Erdenechuluun
- 14:35           **Green Technology in Tofu Production**  
 University of Muhammadiyah Malang: Ms. QQ Wima Akalentera
- 14:50           **Guiding households to compost organic waste in cartons using**



**biotics to make organic fertilizer**

Vietnam National University of Agriculture: Ms. Tong Thi Hang and  
Ms. Tran Thi Mai Phuong

15:05 **Discussion**

15:20 **Break**

**Session 5 General Discussion**

**Chairpersons: to be announced**

15:30 **General discussion and suggestion of the theme of 18<sup>th</sup> ISS**

16:30 **Closing Ceremony**

**Participants**

		University		ISS Presenters
1	U.S.A.	Michigan State University	MSU	Ms. Kera Howell
2				Ms. Samantha Ludlam
3				Dr. Joe Cousins
4				Dr. Sara Sharif Tauqi
5	Thailand	Kasetsart University	KU	Ms. Sasiprapa Keeranon
6				Dr. Buncha Chinnasri
7	Canada	The University of British Columbia	UBC	Mr. Julian Villafuerte Diaz
8				Ms. Winnie Kwan (poster presenter)
9				Professor Rickey Yada
10				Dr. Les Lavkulich
11	P.R.China	China Agricultural University	CAU	Ms. Fu Yutong
12				Dr. Yin Shutao
13	Indonesia	Bogor Agricultural University	IPB	Mr. Muhammad Murtadha Ramadhan
14				Mr. Eric Faustine
15				Dr. Sri Nurdiati

16	Peru	National Agrarian University La Molina	UNALM	Ms. Claudia Alejandra Arrascue Vargas
17				Dr. Roberto Ugas
18	Mongolia	Mongolian University of Life Sciences	MULS	Ms. Uyanga Erdenechuluun
19				Dr. Sukhtulga Tserennadmid
20	Philippines	University of the Philippines Los Baños	UPLB	Ms. Nitchelle Rose P. Sangalang
21	Korea	Kyungpook National University	KNU	Ms. Ha Ram Ok
22				Mr. Tae-In Kang
23	Vietnam	Vietnam National University of Agriculture	VNUA	Ms. Tong Thi Hang
24				Ms. Tran Thi Mai Phuong
25	Brazil	University of São Paulo	USP	Mr. Gillyade Correia Menino
26				Mr. Heitor Hideki Shimada
27				Dr. Ricardo Shiota
28	Mexico	Universidad Autónoma Chapingo	UACH	Mr. Rubén Zárata Reyes

29				Dr. Javier Alejandro Ruiz Hinojosa
30	Ukraine	National University of Life and Environmental Sciences of Ukraine	NULE SU	Mr. Mykhailo Marshalok
31	Malaysia	Universiti Putra Malaysia	UPM	Mr. Kamarulridhzuan bin Razali
32				Ms. Eugennie Chai (poster presentation)
33				Dr. Zainal Abidin Mohamed
34	The Netherlands	Wageningen University	WU	Mr. Kees Stijne
35	Tanzania	Sokoine University of Agriculture	SUA	Ms. Selemani Mwajabu
36	Cambodia	Royal University of Agriculture	RUA	Ms. Um Sokheang
37	Brazil	Universidade Federal Rural da Amazônia	UFRA	Mr. Elson Junior Souza da Silva
38				Ms. Jéssy Anni Vilhena Senado
39				Dr. Telma Fátima Vieira Batista

40	U.K.	University of Reading	UoR	Mr. Kyle Marlow-Spalding
41				Dr. Jo Davies
42	Djibouti	Djibouti University	DU	Ms. Asma Ali Adan
43	U.S.A.	Cornell University	Cornell	Ms. Francine Grace Barchett
44	Sri Lanka	University of Peradeniya	UoP	Ms. Chamodha Dinithi Atukorala
45				Ms. Hasara Nuwangi Kaludewa
46				Prof. D.K.N.G. Pushpakumara
47	P.R.China	Shanghai Jiao Tong University	SJTU	Ms. Wu Jing
48	Australia	The University of Western Australia	UWA	Mr. Joshua Clune
49				Dr. Louise Barton
50	Thailand	Thammasart University	TU	Ms. Rantiya Iad-ak

51	Korea	Kangwon National University	Kangwon	Ms. Hyun Ji Kim
52	Germany	University of Applied Science Weihenstephan - Triesdorf	HSWT	Mr. Bugra Yilmazel
53				Mrs. Celina Philipps
54	U.S.A.	Iowa State University	ISU	Ms. Karyl Clarete
55	Thailand	Chulalongkorn University	CU	Ms. Nutwara Chansakul
56	Indonesia	University of Muhammadiyah Malang	UMM	Ms. QQ Wima Akalentera
57				Dr. Henik Sukorini Gunarsono
58	Japan	Tokyo University of Agriculture	Tokyo NODAI	Ms. Megumi Oikawa
59				Mr. Chia-Cheng Chu (poster presentation)
60				Mr. Po-Hsuan Lin (poster presentation)
61				Mr. Ying Chi Chen (poster presentation)
62				Ms. Yen Ting Chen (poster presentation)
63				Ms. Kanami Watanabe

64				Ms. Hanna Harada
65				Mr. Jose Antonio Tamariz Cajas
66				Mr. Putro Radityo Haryo
67				Ms. Kazuko Fushimi
68				Ms. Mayu Suzuki
69				Ms. Mami Tsuboya
70				Mr. Ryuichiro Murakami
71				Ms. Miyuki Ito
72				Ms. Yukino Ota
73				Ms. Minami Yamasaki
74				Mr. Edson James Morales Parra
75				Ms. Karata Rehema Mussa
76				Mr. Issa Aburahaman Kachenje
77				Dr. Keiko T. Natsuaki
78				Dr. Yoichi Sakata
79				Dr. Kojiro Suzuki
80				Dr. Takeshi Sasaki
81				Dr. Teruaki Taji
82				Dr. Shinsaku Ito
83				Mr. Shinichi Iwai

84				Mr. Yuji Hosoya
85				Ms. Naomi Yamada
				85