

Summary for Overseas Travel WENDI 2018-2019

Name	Masataka Yamashita
School	Kyoto University
Grade	Master
Supervisor's name	Keiichi Ishihara
Travel period	11/1~12/12
UN agencies / International organization visited	UNESCO BANGKOK
Theme of overseas travel	Experience not in Japan

Outline of the activities (4 pages including photos, figures, etc.)

(1) Global leadership

I attended the Tri-U conference (The 25th Tri-University international Joint Seminar and Symposium) at Chiang Mai University. On the workshop in the conference, discussions regarding with the sustainability and energy usage were carried out. I positively joined the discussion with students from overseas and contributed to constructing a good discussion. Eventually, I could achieved Best Workshop Award. I think this award indicates that I have enough ability in global leadership.



Photo at Tri-U conference, Chaing Mai university (Farewell party)



Photo of Certificate of Best Workshop Award

(2) Scientific significance

I made a presentation with the title of “Comparative analysis of Community Solar Projects between Thailand and Japan” at Tri-U conference and Chulalongkorn University. Community-solar (CS) has appeared as a new solar PV ownership model in the world, in which the business model of CS should vary depending on each country’s context. Various unique factors of each country such as the design of the government’s support, characteristics of the community, and business custom may have an impact on how community members benefit from CS projects. The objective of this research is to compare the implemented CS projects in Thailand and Japan and to provide policy recommendation on CS for both countries based on comparison for contribution to further development of CS. The condition of community solar projects in Thailand and Japan was not investigated enough, and this research made it clear and became a first step for next stage of community solar projects.



Photo at Chulalongkorn University

(3) Originality/Universality

The research on community solar projects in Thailand is really limited. Additionally, there was no comparative analysis on community solar projects between Asian countries as far as I know. My research is, so-called, the crystal of originality. The table below is an example of the financial data in my research.

T _I parameter order	T _I sensitivity	J _I parameter order	J _I sensitivity	J _{II} parameter order	J _{II} sensitivity
FiT price	1.858	Life time	-2.608	Life time	-2.637
Operating annual cost	1.421	Labor cost	2.525	Operating annual cost	1.313
corporation tax	1.057	FiT price	1.092	Module	1.298
life time	-0.716	Module	0.785	Labor cost	0.945
Inflation rate	0.561	Operating annual cost	0.625	Other equipment	0.776
Module	0.548	Corporation tax	0.494	Inverter	0.349
Labor cost	0.381	Inflation	0.307	Inflation	0.333
Total indirect cost	0.341	Inverter	0.254	Real discount rate	0.106
Real discount rate	0.318	Real discount	0.136	Total indirect cost	0.046
Other equipment	0.171	Total indirect cost	0.077	FiT price	0
Inverter	0.154	Other equipment	0.057	Corporation tax	0

A data table in my research

(4) Reasons and motivations for visiting UN agencies / International organizations

I thought the experience of visiting UNESCO BANGKOK will become really valuable . I never have visited UN agencies and I could not imagine what kind of people there are, how they work, what they think and what will happen. Furthermore, I will work for recycling company in near future, therefore the theme of the event, “Strategic solutions to deal with global deluge of plastic solution, ” at UNESCO BANGKOK was really attractive for me. These were the my motivation for visiting UNESCO BANGKOK.



Photo at UNESCO BANGKOK