# Performance and Achievements

In 2016, the center undertook two types of annual training courses: (1) Cosponsored Regualr Sessions including the 129<sup>th</sup> Regular Session on Land Policy for Sustainable Rural Development, the 130<sup>th</sup> Regular Session on Land Taxation and Valuation, the 131<sup>st</sup> Regular Session on Infrastructure Development and Planning and the 132<sup>nd</sup> Regular Session on Agricultural Development and Policy. The regular sessions sought to exchange international experiences and open up discussion for related themes. Furthermore, participants could apply learned knowledge to their challenges, the mutual exchange could benefit them with solution finding. These sessions targeted at middle-level officials and experts and were sponsored by the Lincoln Institute of Land Policy (LILP), the Council of Agriculture (COA) and Ministry of Foreign Affairs (MOFA), Ministry of the Interior (MOI) and the Center. (2) Training sponsored by ROC Government, including the Seminar on the Geographical Information System and Land Management and the Seminar on Knowledge-based Economy and City Competitiveness. The seminars aimed to inspire participants by Taiwan experience shared by respectful

local professors. Participants could further explore most updated technology developed by both Taiwan's public and private sectors. These seminars were supported by the MOFA. Overall, the six training courses attracted a total of 156 participants from 61 countries all around the world.

The training course in general contained three essential parts in the curriculum for participants to acquire and exchange related knowledge. The first part was lectures and discussions. For the regular sessions, the course coordinator helped to shape the course structure and content. The Center then invited renowned international professors to deliver lectures on theories and issues related to the themes and local professors to share Taiwan experiences. The professors widely used case studies, group works, in-class assignments and role-play activities to facilitate the understanding of comprehensive lecture content. For the seminars, they targeted at middle and highlevel officials and experts. These seminars emphasized more Taiwan experience in the areas of advanced technology on GIS applications and strategy on city competitiveness. For this purpose local

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professors and experts were invited to share their observations. More faculty information, please see appendix.

The second part focused on exchanging ideas and professional knowledge among participants and professors. Every course was designed to have sufficient time for participants to share their experience through country presentations. Participants presented cases and problems faced by different countries. Both presenters and their fellow participants could gain knowledge and learn from other countries' successful cases or mistakes. Moreover, the summary and precious advice from course coordinators and professors helped clarify the issues and facilitate mutual interaction. In order to encourage participants to put most efforts into their presentations, the Center awarded the best presenters of each course. The presenters received certificates of extraordinary merit for their excellent dedication.

Last but not least, the Center arranged field trips to related public and private sectors for participants to exchange ideas and learn from local experiences. Field trips served as a great

forum to get firsthand observation and practical ideas of how to apply skills learned from lectures. Beside formal visits and lectures mentioned above, the Center also organized some extra-curricular activities such as introducing Taiwan, speaking Chinese, visiting tourist attractions, sport games and parties. Those activities were aimed at providing participants a better understanding of Taiwan and helping them build bonds with one another.

# Co-sponsored Regular Sessions

The 129<sup>th</sup> Regular Session on Land Policy for Sustainable Rural Development

This four-week session was held from May 20 to June 17 with the 130<sup>th</sup> Regular Session on Land Taxation and Valuation. Professor Jim Riddell served as Course Coordinator in this regular session. The participants were middle-level officials and experts with land policy, land administration and rural development background. There were 29 participants from 29 countries joining this session.

#### Lectures and Discussions

The core subjects included:

- (1) Week one: "Rural Economy and Development", led by Associate Professor Bastiaan Philip Reydon and local professors Jimmy T.Y. Chou and Shih-jung Hsu. It was designed on the basis of land administration, land ownership and development, and land economics.
- (2) Week two: "Situating the Local in Land Relations", contributed by Associate Professor Laura German and local professors Tzu-cin Lin and Ai-Ching Yen. It emphasized on issues of customary institutions, reclamation, consolidation and rural land use, large-scale land acquisition and governing multi-functional landscapes.
- (3) Week three: "Managing Local Governance for Sustainable Development", dedicated by Dr. Rainer Adam, Regional Director of Friedrich Naumann Foundation and local professors Kuo-ching Lin, Chien-hung Tung and Charlie Chern. It focused on local sustainable development, decentralization and rural planning in Taiwan.
  - In total, there were four overseas professors and seven local lecturers invited for this course.

### Country Presentation

In addition to lecturers and faculty mentioned above, the participants also contributed to the course by presenting their country reports related to theme of the training course. The topics of the country reports are listed as follows.



Country	Presentation Topic	
Week 1: Rural Ecor	nomy and Development	
El Salvaor	Environmental Based Land Use Planning in El Salvador	
Mexico	Problems with Rural Sustainable Land Policy	
Peru	Land Issues in Peru, Going Beyond Some Known Models	
Latvia	Latvia Development Challenge and Opportunities	
Poland	Changes in Agric. Land Ownership and Agrarian Structure in Poland	
Nigeria	Land Use Admin. in Nigeria - An Overview	
Morocco	The Land Factor of Agriculture Developing Rural Morocco	
R.O.C (Taiwan)	The Rural Regeneration	
Russia	Land for Development	
Colombia	Land Management & Rural Consolidation	
Week 2: Situating t	Week 2: Situating the Local in Land Relations	
Palau	Land Management Relationships to Rural Development in Palau	
Czech Rep.	Land Administration System and Main Issues in the Czech Republic	
Jordan	Jordan Reference Point Networks Homogeneity	
Fiji	Land Issues in Fiji	
Thailand	Land Use in Rural Area in Thailand	
Kiribati	Land Tenure & Issues in Kiribati Context	
Brazil	Land Ownership Issues in Brazil, Especially in the State of Acre Located in Amazon Forest	
Mongolia	Land Administration of Mongolia	
Solmon Islands	Land Tenure in Solomon Islands	
Sri Lanka	Land Administration	
Week 3: Managing	Local Governance for Sustainable Development	
Honduras	Mechanism of Land Titling and Delimitation Areas	
Serbia	Rural Development in Serbia	
Dominican Rep.	Planning Local Government and Land Use Policy	
Georgia	Development of Agriculture in Georgia	

Country	Presentation Topic
Turkey	Land Use and Consolidation
Haiti	Land Problem in Haiti, Prospective of Solution
The Philippines	Improving Land Governance in the Philippines
Mauritius	Land Policy in Mauritius
Vietnam	Land Administration System and Sustainable Development in Vietnam

#### **Q** Field Trips

- (1) GIS Center of the Feng-Chia University: GIS management and application from disaster prevention and Unmanned Aerial Vehicle (UAV) demonstration.
- (2) Land Administration Bureau of Taichung City Government: land registration and land valuation.
- (3) Caotun Farmers' Association (FA): the agricultural production team, the role of FA as a bridge between local government and farmers, subsidies provides by government.
- (4) Council of Agriculture: rural community development and land policy.
- (5) Green Bamboo Community: rural planning and development, exchanging experience with bamboo shoot farmers.



Visit Green Bamboo Community



Participants at GIS Center, Feng-Chia University



#### The 130<sup>th</sup> Regular Session on Land Taxation and Valuation

This four-week session was also held from May 20 to June 17 with the 129<sup>th</sup> Regular Session on Land Policy for Sustainable Rural Development at the same time. Professor Steve Tsui served as Course Coordinator in this regular session. The participants were middle level officials and experts with land taxation, land evaluation or public finance background. There were 24 participants from 24 countries joining this session.

#### Lectures and Discussions

The core subjects included:

- (1) Week one: "Economics, Taxation Policy and Theory", led by Professor William O'Brien and local professor Steve Tsui. It was mainly about government finance, tax policy, economic analysis in tax policy and defining tax bases.
- (2) Week two: "Public Finance", contributed by Associate Professor Rex Facer and local professors Steve Tsui, and Kung-cheng Lin. It emphasized on issues of urban finance and decentralization, property tax, capital budgeting and intergovernmental finance.
- (3) Week three: "Land Valuation", dedicated by Mr. Stephen Roach of JONES, ROACH & CARINGELLA Inc. and local professor Tzuchin Lin. It focused on property valuation, methods of mass appraisal, valuation performance and standards.

In total, there were three overseas professors and three local lecturers invited for this course.

#### Country Presentation

In addition to lecturers and faculty mentioned above, the participants also contributed to the course by presenting their country reports related to theme of the training course. The topics of the country reports were listed as follows.

Country	Presentation Topic
Week 1: Finance and Taxation Policy in the Participating Countries	
Papua New Guinea	Land Taxation and Policy in PNG
Mongolia	Tax System and Taxation in Mongolia
Russian Federation	Land Taxation and Valuation in Russian Federation
Haiti	Population, Economy and Taxation Systems
Honduras	Land Taxation and Registration
Belize	Land Taxation and Valuation
Thailand	Land Taxation and Valuation in Thailand
Czech Rep.	Local Public Finance
Week 2: Local Publ	ic Finance in the Participating Countries
Poland	Land Taxation and Valuation in Poland
Swaziland	Taxation, Land Valuation and Regulatory Issues
Serbia	Land Taxation: Problem Solving
Tuvalu	Local Public Finance
Mexico	Tax and Valuation in Yucatan
Panama	Property Tax
Lithuania	Lithuania: GIS and Taxes
R.O.C. (Taiwan)	The Introduction of Public Land and Local Finance in Taiwan
Week 3: Land Valua	ation in the Participating Countries
Greece	Land Taxation and Valuation
The Philippines	Land Valuation and Taxation
Turkey	Land Valuation and Taxation in Agriculture
Indonesia	Indonesia's Land Taxation and Assessment for Economic Development
St. Vincent and the Grenadines	Property Tax Regime in St. Vincent and the Grenadines
Jordan	Valuation Process in Jordan
Belarus	The System of Valuation in Belarus
Vietnam	Land Valuation in Vietnam



#### **Q** Field Trips

- (1) National Taxation Bureau of Central Area, Ministry of Finance: national tax administration.
- (2) Administration Bureau of Taichung City Government: land valuation, current assessed land value and online inquiry system.
- (3) Local Tax Bureau of Taichung City: local tax collection.
- (4) Finance Department, New Taipei City Government: government lease state-owned land and how the government worked with private sectors to increase state revenue.
- (5) Fiscal Information Agency, Ministry of Finance: fiscal information system and e-invoice implementation.



Visit Finance Department, New Taipei City Government



Visit Fiscal Information Agency, Ministry of Finance

#### The 131<sup>st</sup> Regular Session on Infrastructure Development and Planning

This four-week session was held from September 23 to October 21 with the 132<sup>nd</sup> Regular Session on Agricultural Development and Policy at the same time. Dr. George McCarthy, President and Chief Executive Officer of the Lincoln Institute of Land Policy, and Professor John Lin both served as Course Coordinators in this regular session. The participants were middle-level officials and experts with infrastructure, rural planning and public transportation background. There were 27 participants from 24 countries joining this session.

#### Lectures and Discussions

The core subjects included:

- (1) Week one: "Land Policy and Urban Development", led by Dr. George McCarthy and local professors, John Lin and Chien-pang Liu. It was designed on the basic of public good, municipal financial management, infrastructure planning.
- (2) Week two: "Public Finance and Investment", contributed by Director Lourdes Germán, from International & Institute-wide Initiatives, Lincoln Institute of Land Policy, and Zhi Liu. It emphasized on issues of financing capital projects, access capital markets, transport project cycle.
- (3) Week three: "Transportation Investment", dedicated by Director Zhi Liu, Peking University-Lincoln Institute, Center for Urban Development and Land Policy, and local professors Cheng-min Feng, An-ting Cheng and Tse-fong Tseng. It focused on transitoriented development and land value capture, transport project finance, infrastructure investment criteria.

In total, there were three overseas professors and five local lecturers invited for this course.



### **Country Presentation**

In addition to lecturers and faculty mentioned above, the participants also contributed to the course by presenting their country reports related to theme of the training course. The topics of the country reports were listed as follows.

Country	Presentation Topic
Week 1: Land Policy and Urban Development	
Armenia	Armenia Land of NOAH
Vietnam	Understanding Vietnam Infrastructure & Planning System & The Way Forward
R.O.C. (Taiwan)	Adaptation Strategy for Climate Change in Taiwan
Romania	Urban Infrastructure & Planning in Romania
Panama	Panama City Revitalization/Public Space and Resiliency
Mexico	Mexican Experience
Brazil	Growth Acceleration Program in Brazil
The Philippines	Smarter Makail
Nigeria	Challenges in Infrastructure Development in Nigeria
Week 2: Public Finance and Investment	
Sao Tome & Principle	Public Investment
Burkina Faso	Infrastructure in Burkina Faso
Turkey	Management of Finance of Infrastructure in Turkey
El Salvador	Finance of Infrastructure in El Salvador
Thailand	Industrial Estate Development
Georgia	Developing Tbilisi Modern
St. Vincent and the Grenadines	Infrastructure Issues
Panama	New Projects of Maintenance and Physical Investments Inistitute
Serbia	GIS tools in Urban Planning and Stress Stiuation

Country	Presentation Topic	
Week 3: Transporta	Week 3: Transportation Investment	
Mexico	BRT Infrastructure for Querétaro City	
Nicaragua	Developing Tourism Infrastructure in Nicaragua	
R.O.C. (Taiwan)	Housing Policy in Taipei	
Paraguay	Road Maintenance by Services Level	
Chile	Infrastructure Issues	
Ecuador	Road Infrastructure in Ecuador	
Poland	Optimization of Road Investment Process	
Swaziliand	Roads Infrastructure within Matsapha Urban Area	
Mongolia	Infrastructure of Mongolia	

#### **Q** Field Trips

- (1) Taoyuan Metro Cooperation: Taoyuan Metro system and its traffic control center.
- (2) Taiwan International Ports Corporation, Port of Taichung: land reclamation and free trade zone.
- (3) Taiwan Typhoon and Flood Research Institute, National Applied Research Laboratories (NAR Labs): ICT, disaster management and simulation.
- (4) Da-Chen Community, arranged by Urban & Rural Development of New Taipei City Government: housing policy and government-led urban renewal.
- (5) Transportation Office of Taipei City Government: public transport planning, using YouBike as an example for promoting public transportation.









Visit NAR Labs

#### The 132<sup>nd</sup> Regular Session on Agricultural Development and Policy

This four-week session was also conducted from September 23 to October 21 with the 131<sup>st</sup> Regular Session on Infrastructure Development and Planning at the same time. Professor Douglas Southgate served as Course Coordinator for this regular session. The invited participants were middle or upper level officials and experts with agriculture policy, agricultural development and technology background. There were 29 participants from 28 countries joining this session.

#### Lectures and Discussions

The core subjects included:

- (1) Week one: "International Marketing and Global Market", led by Professor Douglas Southgate and local professors Yaw-chung Liaw, Kou-ching Lin and Horng-yuh Guo. It was designed on the basis of food demand, food supply and food security.
- (2) Week two: "Agricultural Resources and Technology Policy", contributed by Dr. James Riddell and local professors Pai-po Lee, Samson Tsou, Shan-shan Li, Shih-hsun Hsu and Yu-Tsai Huang. It emphasized on issues of agricultural land management, Research and Development (R&D) evaluation, planning and tools.
- (3) Week three: "Rural Development" was also led by Dr. James Riddell and local lecturers Alex Wang, Samson Tsou, Wen S. Chern and Wen-chi Huang. It focused on institutional changes in rural-urban linkages, environmental services and economic valuation of farmland resources.

In total, there were two overseas professors and 11 local lecturers invited for this course.

### **Country Presentation**

In addition to lecturers and faculty mentioned above, the participants also contributed to the course by presenting their country reports related to theme of the training course. The topics of the country reports were listed as follows.

Country	Presentation Topic	
Week 1: International Marketing and Global Market		
Jordan	Jordan Agricultural Policies	
Romania	Competitiveness of Romanian Agriculture - Food Sector	
Seria	Overview of Serbian Agriculture	
Thailand	Agricultural System and Biotechnology in Thailand	
India	International Marketing and Global Market: Trends in Food Demand and Food Supply in India	
Peru	Agriculture, How to Access to the Market	
Belize	Agricultural Development Policy	
Nauru	Quarantine in Nauru	
Solomon Islands	Agricultural Development and Policy	
Week 2: Agricultural Resources and Technology Policy		
Azerbaijan	Agriculture in Azerbaijan	
Dominican Rep.	Agriculture in Dominican Republic	
Nigeria	Agricultural Development and Policy in Nigeria	
India	Legislative Measure for Food Security	
Lebanon	Agriculture in Lebanon	
Indonesia	Agriculture Policy of Indonesia (Ministry of Agriculture)	
Mongolia	Agriculture Policy in Mongolia	
Turkey	Fishery in Turkey	
Bangladesh	Agricultural Development in Bangladesh	
Palau	Food Security and Policy	
Week 3: Rural Dev	elopment	
The Philippines	Batanes Agriculture: Towards Resource Sustainability and Increased Productivity	
Swaziland	Swaziland Agricultural Development and Policies	



Country	Presentation Topic
Mexico	Small Producers, Rural Budget and Regional Development in Mexico
Malaysia	Agriculture from the Aspect of Rural Development in Malaysia
Korea	Korean Agriculture
R.O.C. (Taiwan)	The New Five Agricultural Policies in Taichung
Paraguay	Agricultural Development and Policy in Paraguay
Poland	Rural Development in Poland
Fiji	Agricultural and Rural Development in Fiji
Georgia	The Endemic Wheats Species of Georgia

#### **Q** Field Trips

- (1) Agriculture Bureau, Taichung City Government: to learn "New Five Agricultural Policy" and young farmers apprenticeship.
- (2) Taiwan Agricultural Research Institute: soil construction, types of soil and rock layer distribution around the world, the methodology of sorting and preserving genetic variation seeds.
- (3) Sinyi Township Farmers' Association: promoting local agricultural product and adding value from local plum fruit processing into wine.
- (4) Council of Agriculture: rural community development and rural land policy.
- (5) Tea Research and Extension Station: tea tasting and Taiwan tea variation.



Participants at Agriculture Bureau, Taichung City Government



Visit Shiyi Farmers' Association

# Training Sponsored by ROC Government

The Seminar on Geographical Information System and Land Management

This two-week seminar was held from March 2 to 15 with the Seminar of Knowledge-based Economy and City Competitiveness. The participants were middle and higher level officials and experts with Geographical Information System (GIS), land mapping and land administration background. There were 27 participants from 25 countries joining this seminar.

#### Lectures and Discussions

The core subjects focus on the GIS and its applications in the first week, for instances, GIS for land management, tourism planning, disaster management, and local land use. There were four local professors, including Yi-huang Tao, Wen-yen Lin, Jimmy Chou, and Shih-yuan Lin. They were invited to share the Taiwan experience for respective subjects mentioned above.

#### Country Presentation

Every participant was required to give his/her presentation which has relevance to his work and in the areas pertaining to the theme of the seminar. The participants' presentation proceeded in three half-days, with the topics listed below:

Country	Presentation Topic
Armenia	GIS and GPS Technologies In Planning, Implementation and Evaluation of Afforestation Activities
Belize	GIS in Belize and Land Management
Burkina Faso	GIS Application for Urban Management in Burkina Faso: UIS (Urban Information System)



Country	Presentation Topic
Colombia	<ol> <li>Geographical Institute Agustin Codazzi, National Cadastral System of Colombia</li> </ol>
	<ol><li>Data Capturing and Spatial Process of Information in UNODC – Colombia</li></ol>
Czech Rep.	GIS Application in Geology in Czech Republic
Ecuador	Location and Calculation of Graphic Evaluation Routes by Implementing a GIS Module for Generation of GEO of the University of Armed Forces - ESPE
Ethiopia	GIS at United Nations – Africa's Experience
Guatemala	Connecting Geoformation SAP - Guatemala
Haiti	Land Management Reconstruction
Indonesia	Application and Contribution — GIS in Indonesia
Jordan	GIS in Jordan
Malaysia	MyGeo Translator Application
Marshall islands	Disaster Management and Local Land Use
Mexico	GIS and Crop of Maguey (Agave) for Environmental Services
Myanmar	GIS and LIS Development in Myanmar
Nonal	1. GIS and Land Management in Nepal
Nepal	2. GIS Application & Land Management in Nepal
Palau	Getting Republic & Palm Info Digital Age
Paraguay	Change of Vegetation in Tavai District (Pilot)
The Philippines	Land Use Planning and Enhancing Geographic Data Collection
Saint Lucia	The Road to NSDI for a Small Island State
São Tomé & Príncipe	Geographic Information System in São Tomé & Príncipe
Serbia	GIS in Municipality of Ljig
Solomon Islands	Geographical Information System History & Land Tenure System
Swaziland	National Development Data Centre for Geographic Information Systems
Thailand	Geographical Information for Agricultural Land Reform Office

#### **Q** Field Trips

- (1) GIS Center, Feng Chia University: UAV application, knowledge related to education of spatial and geographical information system, and the Center's research work and achievements.
- (2) National Land Surveying and Mapping Center, Ministry of the Interior: the organization, function and its archives of maps and documents.
- (3) Soil and Water Conservation Bureau, COA: observing the application of GIS in mud slide monitoring and other disaster prevention, management and education.
- (4) Taiwan GIS Center: the center's mission and function, and meeting face-to-face with private companies that are dedicated to GIS applications.
- (5) Information Center, Ministry of the Interior: learning more about Taiwan's experience in establishing a national land information system and management.



Participants at National Land Surveying and Mapping Center



Visit Soil and Water Conservation Bureau



#### The Seminar on Knowledge-based Economy and City Competitiveness

This two-week seminar was also held from March 2 to 15 with the Seminar of Geographical Information System and Land Management. The participants were middle and higher level officials and experts with urban planning, city development and city marketing background. There were 20 participants from 19 countries joining this seminar.

#### Lectures and Discussions

The core subjects focus on information technology, wise city, city marketing, intelligent transportation system, and sustainable development in a city. There were four local lecturers, including Taoyuan Deputy Mayor Min-der Wang, Yung-jaan Lee, Chengming Feng, and Feng-tyan Lin, who were invited to share the Taiwan experience for respective subjects mentioned above.

### Country Presentation

Every participant was required to give his/her presentation which has relevance to his work and in the areas pertaining to the theme of the seminar. The participants' presentation proceeded in three half-days, with the topics listed below:

Country	Presentation Topic
Belize	Creating Diversification
Burkina Faso	Knowledge-Based Economy and City Competitiveness
Czech Rep.	Public Spaces Development Tools
Dominican Rep.	Sectorial Planning Context of City Juan Bosch
Ecuador	Integrating the Public Transportation System in Cuenca
Greece	E-Poleodomia
Guatemala	Knowledge-Based Economy and City Competitiveness
Haiti	Tourism Proposal Development/ Knowledge-Based Economy and City Competitiveness
Malaysia	Safe City Monitoring System towards Making Kuala Lumpur Inclusive, Safe and Sustainable

Country	Presentation Topic
Mexico	Culture of Innovation: Strategy to Accelerate Jalisco's Innovation     Ecosystem
	2. Tools for Competitiveness in Mexico City
Mongolia	"Ger" District Redevelopment Project
Swaziland	Mbabane City - Wide Free WIFI Project
The Philippines	Sustainable Tourism Development and Business Enablement in LGCS, Davao del Norte
Russian Federation	Siberian Cities Competition and Cooperation
Saint Lucia	Traffic and Transportation in the Capital City - Castries
South Africa	Remaking South Africa's Capital: Inner City Regeneration Initiatives
Paraguay	Paraguay - Land of Opportunities
Thailand	Land Use Laws and Regulations in Bangkok, Thailand
Vietnam	Traffic Jam in Hanoi, Vietnam

#### Q Field Trips

- (1) Taoyuan Metro Cooperation: Taoyuan metro system and its traffic control center, its repair station and model car.
- (2) Department of Development, Hsinchu City Government: urban planning, visiting the Glass Museum of Hsinchu City for its local glass handicraft workshop.
- (3) Urban Development Bureau, Taichung City Government: city planning, its sub-city center and greater Taichung circular railway.
- (4) National Development Council: how it coordinates the implementation of major policies for economic, social, industrial, manpower, land and political governance.
- (5) Hi-tech Promotion Center, Department of Economic Development, Taipei City Government: how it develops its technology corridor, planning for bio-technology industry, and consulting for small and medium enterprises on R&D service.





Participants at Hi-tech Promotion Center



Visit the Glass Museum of Hsinchu City