

# *Micro Data Laboratory News Bulletin*

- A new approach of micro-data analysis through international cooperation -

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Issued by Statistical Information Institute for Consulting and Analysis (Sinfonica)

## ***The Tenth International Workshop***

The *10th International Workshop on Analysis of Micro Data of Official Statistics* was successfully held by the Micro Data Laboratory Project at the Institute of Statistical Mathematics (ISM), Research Organization of Information and Systems (ROIS), Tachikawa City, Tokyo, Japan from 29 November through 4 December 2018.

The Workshop was attended by two delegates from each of three NSOs of Cambodia, Mongolia and Thailand. In the morning of the first day of the Workshop, Dr. S. Yamashita (ISM) made opening speech, which were followed brief explanation of the Laboratory Project by Mr. M. Aida (Sinfonica).

### **1. Themes of the 10th International Workshop**

There were three main themes in the 10th International Workshop.

- (1) Lecturing on analysis using micro data by Japanese researchers
- (2) Delegates' clarification of micro data sets provided by the three NSOs
- (3) Comparative analysis by the delegates using the data base constructed in the Laboratory



Courtesy call on Dr. Tomoyuki Higuchi, Director-General of ISM (center) on 29 Nov. 2018

## 2. Schedule of the Workshop

### Nov. 29 (Thursday)

10:00-10:10 Opening speech for the Workshop

*Satoshi YAMASHITA* (Director, Risk Analysis Research Center, ISM)

10:10-10:40 Briefing of the Laboratory Project

*Masato AIDA* (Executive Director of Sinfonica)

10:50-11:10 Self-introduction

11:30-11:50 Courtesy call on Director General of ISM

13:00-14:00 Introduction to the International Official Statistical Micro Database, and guidance on International Comparative Analysis using the Database

*Hiroshige FURUTA* (Visiting Senior Research Fellow of Sinfonica,  
Former Lecturer of UNSIAP )

14:10-14:50 Q&A for the Thai data sets of THSES 2014

15:00-15:50 Keynote speech

“New data sources of Japanese official statistics in Big data era”

*Hiroe TSUBAKI* (President of National Statistics Center)

16:00-16:40 Q&A for the Mongolian data sets of HSES 2012

16:50-17:30 Q&A for the Cambodian data sets of CSES 2012



One scene of the presentation session in the Workshop on 29 Nov. 2018

### Nov. 30 (Friday)

10:00-12:00 Self-study on comparative analysis using the Database

13:00-13:50 Lecture by a Japanese researcher

“Analysis of spatial disparity between educational and economic situation using Cambodia Socio-Economic Survey”

*Takafumi KUBOTA* (Associate Professor, School of Management and Information  
Sciences, Tama University)

14:00-14:30 Lecture by a Japanese researcher (lecture on video)

“The Long-Term Impacts of Past War Shock in Vietnam: A Study using Microdata and Historical Data”

*Rui TAKAHASHI* (Associate Professor, School of Political Science and Economics,  
Tokai University)

14:40-15:10 Lecture by a Japanese researcher (lecture on video)

“Analysis of a disaster prevention consciousness survey at cho-chome level”

*Masayo Y. HIROSE* (Assistant Professor, Institute of Statistical Mathematics)

*Yoosung PARK* (Associate Professor, Institute of Statistical Mathematics)

*Takahiro TSUCHIYA* (Professor, School of Data Science, Yokohama City University )

15:30-16:30 Presentation of study plans (Delegates)

### **Dec. 1 (Saturday)**

10:00-12:00 Self-study on comparative analysis using the Database

13:00-14:45 Self-study on comparative analysis using the Database

15:00-16:30 Presentation of revised study plans (Delegates)

### **Dec. 3 (Monday)**

10:00-12:00 Preparation for the final presentation (Delegates)

15:00-15:20 Courtesy call on Director General of SBJ

15:30-16:00 Observation of Statistical Museum of SBJ

### **Dec. 4 (Tuesday)**

10:00-10:50 Lecture by a Japanese researcher

“The Analysis of Scale Merit of Household by Creating Virtual Households Consisting of Working Couple”

*Mikio SUGA* (Professor, Faculty of Economics, Hosei University)

11:00-11:50 Presentation of the results of the comparative analysis

*The Delegates* of Mongolia

13:00-13:50 Presentation of the results of the comparative analysis

*The Delegates* of Thailand

14:00-14:50 Presentation of the results of the comparative analysis

*The Delegates* of Cambodia

15:00-16:00 Observation of the Institute and other facilities

16:10-16:30 Closing remarks

*Yasumasa BABA* (Professor Emeritus of ISM, Visiting Senior Research Fellow of Sinfonica)

(Note)

Delegates: National Statistical officials from Cambodia, Mongolia and Thailand

ISM: The Institute of Statistical Mathematics of ROIS (Tachikawa City, Tokyo)

Sinfonica: Statistical Information Institute for Consulting and Analysis (Chiyoda Ward, Tokyo)

SBJ: Statistics Bureau of Japan (Shinjuku Ward, Tokyo)

### 3. List of Participants and Collaborators

◆ Delegates of National Statistical Offices (in the alphabetical order of country name and last name)		
Cambodia	Mr. Khieu Khemarin	Deputy Director of Social Statistics Department, NIS
	Mr. Sam Sok Sotheavuth	Deputy Director of Economic Statistics Department, NIS
Mongolia	Mr. Davaajargal Davaatseren	Senior officer, Population and Social Statistics Department, NSO
	Ms. Bolormaa Sugar	Statistician, Population and Social Statistics Department, NSO
Thailand	Ms. Saowaluck Inbumrung	Statistician (Senior professional level), Statistical Forecasting Division, NSO
	Dr. Chirawat Poonsab	Statistician (Senior professional level), Social Statistics Division, NSO

◆ Lecturers (in the alphabetical order of last name)		
Japan	Dr. Masayo Y. HIROSE	Assistant Professor, ISM
	Dr. Takafumi KUBOTA	Associate Professor, School of Management and Information Sciences, Tama University
	Mr. Rui TAKAHASHI	Associate Professor, School of Political Science and Economics, Tokai University
	Dr. Hiroe TSUBAKI	President of National Statistics Center

◆ Organizing Committee (in the alphabetical order of last name)		
	Mr. Masato AIDA	Executive Director, Sinfonica
	Mr. Susumu ARAI	Adviser, Sinfonica
	Dr. Yasumasa BABA	Professor Emeritus of ISM, Visiting Senior Research Fellow of Sinfonica
	Mr. Hiroshige FURUTA	Visiting Senior Research Fellow of Sinfonica, Former Lecturer of UNSIAP
	Dr. Motoi OKAMOTO	Project Associate Professor, ISM
	Mr. Joji SAWADA	Director, First R&D Department, Sinfonica
	Dr. Mikio SUGA	Professor, Faculty of Economics, Hosei University
	Dr. Satoshi YAMASHITA	Director, Risk Analysis Research Center, ISM



Courtesy call on Mr. Masato Chino, Director-General of SBJ (center) on 3 Dec. 2018

#### 4. Presentation of the Results of Comparative Studies by the Delegates

The delegates were requested to conduct international comparative studies using the data sets which had been compiled at the Laboratory by resampling at a rate of 80%. They were also requested to review the original data sets provided by the three respective countries. Through this self-study work led by Mr. H. Furuta, former lecturer of UNSIAP, they recognized the importance and effectiveness of, and the difficulties in using micro data of official statistics. The study results were reviewed in the final presentation session to be revised accordingly.

<i>Presentation Title</i>	<i>Comparison of the household income between Cambodia (CSES 2012) and Mongolia (HSES 2012)</i>
Cambodia	Mr. Khieu Khemarin and Mr. Sam Sok Sotheavuth
<i>Presentation Title</i>	<i>Comparison of household expenditure between Mongolia (HSES 2012) and Cambodia (CSES 2012)</i>
Mongolia	Ms. Sugar Bolormaa and Mr. Davaatseren Davaajargal
<i>Presentation Title</i>	<i>Comparison of Household expenditure pattern between Thailand (THSES 2014) and Mongolia (HSES 2012)</i>
Thailand	Mr. Chirawat Poonsab and Ms. Saowaluck Inbumrung



Group photo at the seminar room of ISM on 4 Dec. 2018



View of Mt. Fuji from the 6th floor of ISM on 30 Nov. 2018

## 5. Future Activities

Based on the Charter of an Experimental Laboratory for Research Purpose Statistical Use of Micro Data (ELMD which was signed or endorsed by 9 member countries), we continue to resample the original data sets at a rate of 80% to construct the Laboratory data base.

We plan to continue to hold such a workshop once a year; inviting statisticians from member NSOs by rotation; ask them to clarify about the micro data sets provided to ELMD; and examine the usefulness of the above mentioned resampled data sets.

Although we plan to invite only two persons from one country to the workshop every year due to financial availability, member NSOs are quite welcome to send more statisticians to the workshop on their own account. Of course, we will ask ISM to provide them with AKAIKE Guest House accommodations at a very reasonable cost.

On this opportunity, we express our sincere gratitude for the cooperation and contribution provided so far by the member countries and we request them to continue to provide the Laboratory with the latest or newer data sets when they become available.

Further notice in this matter will be issued from time to time by e-mail etc.

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Masato AIDA

Executive Director of Sinfonica