

CENTRAL AGENCY FOR MOBILIZATION AND STATISTICS
(CAPMAS)
THE ARAB REPUBLIC OF EGYPT

TECHNICAL COOPERATION PROJECT
FOR
DEVELOPING STATISTICAL QUALITY SYSTEM
AT
CAPMAS

PROJECT COMPLETION REPORT

OCTOBER 2019

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

IL
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Contents

Abbreviations	i
I. Basic Information of the Project	1
1. Country: The Arab Republic of Egypt	1
2. Title of the Project: Project for Developing Statistical Quality System at CAPMAS	1
3. Duration of the Project (Planned and Actual)	1
4. Background (from the Record of Discussions(R/D))	1
5. Overall Goal and Project Purpose (from the Record of Discussions(R/D))	2
6. Implementing Agency	3
II. Results of the Project	3
1. Results of the Project	3
1-1 Input by the Japanese side (Planned and Actual)	3
1-2 Input by the Egyptian side (Planned and Actual)	8
1-3 Activities (Planned and Actual)	9
2. Achievements of the Project	10
2-1 Outputs and indicators.....	10
2-2 Project Purpose and indicators	18
3. History of PDM Modification	20
1) 1 st amendment: Signed on April 18, 2017 (effective date: April 9, 2017)	20
2) 2 nd amendment: Signed on October 29, 2018 (effective date: October 29, 2018)	21
4. Others	24
4-1 Results of Environmental and Social Considerations (if applicable)	24
4-2 Results of Considerations on Gender/Peace Building/Poverty Reduction (if applicable)	24
III. Results of Joint Review	24
1. Results of Review based on DAC Evaluation Criteria	24
(1) Relevance.....	24

(2) Effectiveness	25
(3) Efficiency.....	25
(4) Impact	29
(5) Sustainability	29
2. Key Factors Affecting Implementation and Outcomes	30
3. Evaluation on the results of the Project Risk Management	30
4. Lessons Learnt	30
IV. For the Achievement of Overall Goals after Project Completion	31
1. Prospects to achieve Overall Goal.....	31
2. Plan of Operation and Implementation Structure of the Egyptian side to achieve the Overall Goal.....	32
3. Recommendations for the Egyptian side	32
4. Monitoring Plan from the end of the Project to Ex-post Evaluation	33
ANNEX 1: Results of the Project.....	33
List of Dispatched Experts	33
Long-term Experts (2 person).....	33
Short-term Experts (19 person)	34
Invitation Program.....	36
List of participants of country focused training program	38
1 st Country focused training course.....	38
2 nd Country focused training course	39
3 rd Country focused training course	40
4 th Country focused training course	40
Schedule of 1 st country focused training.....	41
Schedule of 2 nd country focused training.....	41
Schedule of 3 rd country focused training	41
Schedule of 4 th country focused training	41
Plan of Operation as October 2019 is attached below.	51
ANNEX 2: List of Products (Report, Manuals, Handbooks, etc.) Produced by the Project	

.....	53
1) Census 2017 Methodology Manual (English)	53
2) Household Income, Expenditure and Consumption Survey 2015 (Japanese) ..	53
3) Time Use Survey Report (Japanese)	53
4) Labor Force Survey Enumerator’s Manual 2015 (Japanese).....	53
5) Material: Labor Force Survey 2017 (Japanese)	53
Appendix: (a) (b) (c) (d) (Japanese).....	53
6) 5 th Economic Census Survey Manual 2017/2018 (English).....	53
ANNEX 3: PDM (All versions of PDM)	54
▪ Version 0 (September 2, 2015).....	54
▪ Version 1 (December 22, 2015)	54
▪ Version 2 (April 9, 2017)	54
▪ Version 3 (June 28, 2018)	54
ANNEX 4: R/D, M/M, Minutes of JCC (copy) (*).....	61
ANNEX 5: Project Monitoring Sheet (copy) (*)	61
Separate Volume: Copy of Products Produced by the Project.....	61

Abbreviations

API	Application Program Interface
BOJ	Bank of Japan
BUB	Basic Unit Block
CMS	Census Mapping System
CPI	Consumer Price Index
DGPP	Director General for Policy Planning (Statistical Standards)
ED	Enumeration Districts
FIES	Family Income and Expenditure Survey
GIS	Geographic Information System
HIECS	Household Income, Expenditure and Consumption Survey
ILO	International Labour Organization
IPSS	Institute of Population and Social Security Research
JCC	Joint Coordinating Committee
JICA	Japan International Cooperation Agency
LFS	Labor Force Survey
LOD	Linked Open Data System
METI	Ministry of Economy, Trade and Industry
MHLW	Ministry of Health, Labour and Welfare
MIC	Ministry of Internal Affairs and Communications
M/M	Minutes of Meeting
NLP	National Language Processing
NSTAC	National Statistics Center
ODA	Official Development Assistance by Government
PDA	Personal Digital Assistant
PDCA	Plan – Do – Check – Action Programs
PDM	Project Design Matrix
PES	Post Enumeration Survey
PO	Plan of Operation
PPI	Producer Price Index
QC	Quality Control
R/D	Record of Discussions
SAA	Small Area Analysis
SBJ	Statistics Bureau of Japan, MIC

SDGs	Sustainable Development Goals
SDUC	Statistical Data Utilization Center
SINFONICA	Statistical Information Institute for Consulting and Analysis
SSDS	System of Social Demographic Statistics
TCP	Technical Cooperation Project
TOR	Terms of Reference
TOT	Training of Trainers
UNECA	United Nations Economic Commission for Africa
UNFPA	United Nations Population Fund
WFP	World Food Programme

Project Completion Report

Project Title: Project for Developing Statistical Quality System at CAPMAS

Name: Ghada Mostafa Abdalla

Title: Project Director

Name: Kazuhiko Matsuo

Title: Chief Advisor

Submission Date: October 17, 2019

I. Basic Information of the Project

1. Country: The Arab Republic of Egypt

2. Title of the Project: Project for Developing Statistical Quality System at CAPMAS

3. Duration of the Project (Planned and Actual)

- Planned: From March 20, 2016 till March 19, 2019
- Actual: From March 20, 2016 till October 19, 2019

Reason: The project period was extended for seven (7) months to cover other statistical studies which are Labor Force Survey and Household Income, Expenditure and Consumption Survey.

4. Background (from the Record of Discussions(R/D))

CAPMAS plays an important role in the implementation process of Egypt National Development Plan by producing and disseminating statistical data and information which should be helpful for policy makers to make decision and solve problems based on accurate data and information.

CAPMAS is the only governmental agency in charge of producing official statistics in all demographic, social and economic fields. Also, it is the official source in Egypt to supply the state agencies, universities, research centers and international organizations with data and statistics where many ministries, such as ministry of planning, ministry of labor and migration, ministry of trade depend on it as a guide in implementation of national

development plan. Additionally, many international organizations depend on CAPMAS data to determine the development requirements.

All these ministries and institutions depend on and use some important indicators and data produced by CAPMAS such as Household Income, Expenditure and Consumption Survey (HIECS) data, Labor force survey, Inflation rate, Price Statistics (ICP, CPI), population and establishment census data, economic census data, trade statistics, Tourism statistics...etc.

CAPMAS started the preparation for 2016 population & housing census. In this regard, CAPMAS needs to build and improve the capacity of CAPMAS staffs especially in two important departments as the following:

1. Quality control department with capacity of 20 person (most of the young and middle age)

Its main job is to control and monitor the collecting and auditing data. Quality control process will help to determine and correct the mistakes in the data and different statistics providing users accurate data in a timely manner. However, there is no comprehensive plan to monitor all statistical processes such as questionnaire design, sampling, collecting data, dissemination and developing surveys to meet all there needs according to international standards.

2. Sampling department with capacity 20 person (most of them young and middle age)
Designing a representative sample is considered the first and most important step in implementing and social economic survey that reflects the real society in specific areas. The selected sample should be accurate and good representative of the population and similar to whole society characteristics. CAPMAS intends to develop the current sampling department in order to face the challenges in creating master sample which is reliable in the coming survey to have high quality data.

5. Overall Goal and Project Purpose (from the Record of Discussions(R/D))

- Overall Goal: Policy relevance is enhanced with improved quality of statistical studies in Egypt.
- Project Purpose (initial version): Capacity of CAPMAS to effectively manage the Census for 2016 and other statistical studies is strengthened.
- Project Purpose (Amended version 1): Capacity of CAPMAS to effectively manage the Census for 2017 and other statistical studies is strengthened.

Reason: At the project designed stage, the Census was planned to be in 2016, however it was shifted to 2017 due to implementation of nationwide local elections in November 2016.

- Project Purpose (Amended version 2): Capacity of CAPMAS to effectively manage the Census 2017 and other statistical studies (footnote 1) is strengthened.

(footnote 1)

'other statistical studies' indicates specifically Labor Force Survey and Household Income, Expenditure and Consumption Survey (HIECS).

Reason: As a result of the advisory mission in June 2018, the mission and CAPMAS discussed to make clear that 'other statistical studies' which the project supports are specifically Labor Force Survey and Household Income Expenditure and Consumption Survey (HIECS). To describe the targeted statistical studies, a footnote is added to project purpose.

6. Implementing Agency

Central Agency for Public Mobilization and Statistics (CAPMAS)

II. Results of the Project

1. Results of the Project

1-1 Input by the Japanese side (Planned and Actual)

(1) Amount of input by the Japanese side: 185.22 Million Japanese Yen

(2) Expert dispatch: 21 persons

Long-term expert: 2 persons (Chief advisor 1 person, Coordinator 1 person)

Short-term expert: 19 persons (Please refer to Annex 1 for further details.)

(3) Invitation program in Japan

In order to facilitate smooth implementation of the project, CAPMAS four (4) officials were invited to Japan from January 29 to February 4, 2017. Both CAPMAS officials and Japanese side exchanged views on statistical studies and statistical operations in Japan to clarify the specific needs of CAPMAS. (Please refer to Annex 1 for further details.)

(4) Acceptance of trainees : 39 CAPMAS staff (4 times)

Country focused training programs from 1st to 4th are as follows.

(List of participants and schedule are referred to Annex 1)

1st Country focused training program in Japan: 2017/9/23 - 2017/10/15	11 CAPMAS staff
2nd Country focused training program in Japan: 2018/2/11 - 2018/3/4	13 CAPMAS staff (Group-A: 6 staff Group-B: 7 staff)
3rd Country focused training program in Japan: 2018/9/29 – 2018/10/20	7 CAPMAS staff
4th Country focused training program in Japan: 2019/6/29 – 2019/7/20	8 CAPMAS staff

- 1st Country focused training program in Japan

Briefing, Course orientation, Fundamental Principles of Official Statistics, Courtesy call to the DG, Observation tour to Statistical Museum, Outline of Statistics Bureau, Outline of Office of the Director-General of Policy Planning (Statistical Standards), Outline of Economic Census (Business Frame and Business Activity), Outline of Census Mapping System (CMS), Outline of Grid Square Statistics (Mesh), Outline of Population Survey, Age-Cohort Analysis and accuracy check method of Population Census, Outline of Portal Site of Official Statistics of Japan (e-Stat) and Statistical GIS, Courtesy call on President of National Statistics Center (NSTAC), Outline of NSTAC, Observation of NSTAC's Facilities, Outline of Data Scrutiny and Data Processing of Population Census, Outline of Data Scrutiny and Data Processing of Economic Census (Coding Support System and Statistical Linked Open Data (LOD)), Outline of Prefectural Administration and statistical organization, Economic analysis using CAPMAS data and discussion, Observation tour (Gifu Prefecture) in Yabashi Holdings (outline of the company and statistical matters), Outline of Statistical Activities (mainly Census) in Gifu Prefecture, The 2030 Agenda for Sustainable Development (notion of Sustainable development; goals; targets; data), SDG global indicator framework (process; list of indicators), Meeting the statistics requirement of the 2030 Agenda in Egypt (Presentation session), Meeting (cont.) (Presentation session), Lecture by Dr. Kumar (Director of SIAP), Presentation on Role and Activities of CAPMAS, IT Census 2017, Census QC, Economic Census by Trainees, and Discussion, SDG (in Japan and discussion), Outline of Industrial Statistics provided by METI, Outline of Census of Manufacture, Outline of Census of Commerce, Sampling method 1(basic), Labor Force Survey (including sampling method), Employment Status Survey (including sampling method), Family Income Expenditure Survey (including sampling method), Survey of Household Economy (including sampling method), Evaluation and Completion Ceremony

- 2nd Country focused training program in Japan

Group-A	Outline of Family Income and Expenditure Survey and discussion (incl. Egyptian HIECS presentation), Outline of Survey of Household Economy (including e-commerce), Outline Data Scrutiny and Data Processing of Family Income and Expenditure Survey, Demarcation of Enumeration Area of Population Census, Outline of Online Survey System of 2015 Population Census, Outline of Population Estimates, Outline of Population Census and its future vision, Outline of Population Census quality control, Outline of Labor Force Survey (including sampling), Methodology of LFS and discussion (including Egyptian LFS), Sampling method (Basic), Sampling method (master sampling in Egypt and discussion), Outline of Survey on Time Use and Leisure Activities, Outline of System of Social and Demographic Statistics (SSDS)
Group-B	Outline of Economic Census (Business Frame) (Rolling Census), Outline of Economic Census (Business Activity) and discussion (incl. Egyptian Economic Census presentation), Outline of Data Scrutiny and Data Processing of Economic Census, Demarcation of Enumeration Area of Economic Census, Outline of Online Survey System of Economic Census for Business Activity, CPI, Retail Price Survey and discussion (including PDA demonstration), Outline of Establishment Frame Database (Business Register), Outline of Statistical Activities in BOJ, Outline of Trade in Service, Outline of PPI, Service Price Index and discussion (incl. Egyptian PPI presentation), Outline of Statistical Activities in METI, Outline of Census of Commerce, Outline of Census of Manufacture (including Egyptian Economic Census presentation), Outline of Online survey of Census of Manufacture and Grid Square Statistics (Mesh)
Common	Briefing, Course Orientation, Fundamental Principles of Official Statistics, Courtesy call to the DG, Observation tour to Statistical Museum, Outline of Statistics Bureau (incl. CAPMAS outline presentation), Outline of Office of the Director-General of Policy Planning (Statistical Standards), Courtesy call on President of National Statistics Center (NSTAC), Outline of NSTAC, Observation of NSTAC's Facilities, Courtesy Call to the President of Shiga Univ., Active use for political issue of official statistics (lecture and discussion)(incl. CAPMAS outline presentation), Data science for official statistician (lecture and discussion), Outline of Statistical Activities in Kyoto Pref., e-stat and statistical GIS, Outline of Census Mapping System (CMS) Outline of Grid Square Statistics (Mesh) (incl. Egyptian GIS presentation), Outline of data analysis (SIAP), Presentation on CAPMAS

	activities and discussion, Closing (SIAP), Economic analysis using CAPMAS data and discussion, Small area analysis using GIS data (1)(incl. Egyptian GIS presentation), Small area analysis using GIS data (2), Courtesy call to the Ambassador and discussion on the Census result, Evaluation and Completion Ceremony
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- 3rd Country focused training program in Japan

Short briefing (due to flight delay), Outline of Statistics Bureau (incl. CAPMAS outline presentation), after session: Course short orientation, Courtesy call on the DG, Observation tour of Statistical Museum, Outline of Office of the Director-General of Policy Planning (Statistical Standards), Courtesy call on Directors, Outline of National Statistics Center (NSTAC), Observation of NSTAC's facilities, Outline of Family Income and Expenditure Survey and discussion (incl. Egyptian HIECS presentation), Outline of Survey of Household Economy and National Survey of Family Income and Expenditure, Outline of data scrutiny and data processing of Family Income and Expenditure Survey, Demarcation of enumeration area of Population Census, Outline of Online Survey System of 2015 Population Census, Population projection in the future (method of population projection) (incl. Egyptian Population Projection presentation), Small area analysis using GIS data (incl. demonstration), Household Panel Survey in Egypt, Outline of statistical activities in Wakayama Pref. (incl. discussion with enumerators), Observation tour of Kao Wakayama Factory (Chemical products), Outline of Statistical Data Utilization Center (in Wakayama), e-Stat and statistical GIS, Outline of Census Mapping System (CMS), Outline of Grid Square Statistics (Mesh) (Inc. Egyptian GIS presentation), Data science for official statisticians (Big data and official statistics; discussion), Outline of Labor Force Survey (incl. sampling), Methodology of LFS and discussion (incl. Egyptian LFS presentation), Outline of Employment Status Survey, Technical outline of Open data, Approach to Open data strategy, Demonstration of how to use API (Application Programming Interface) function, Outline of Survey on Time Use and Leisure Activities (incl. Egyptian situation on Time Use Survey presentation), Sampling method (Basic), Sampling method (current situation of master sampling in Egypt and discussion), Outline of statistical activity of Ministry of Health, Labour and Welfare(MHLW), Outline of Vital Statistics, Outline of Comprehensive Survey of Living Conditions, Discussion on Population Census quality improvement (incl. age-cohort analysis in Egypt), Presentation and Discussion session on the future statistical activity

of CAPMAS, Courtesy call on the Ambassador and discussion on the Census result, Evaluation and Completion Ceremony

- 4th Country focused training program in Japan

Briefing, Course Orientation, Briefing on SBJ, Observation tour to Statistical Museum, Outline of Statistics Bureau (incl. CAPMAS outline presentation), Outline of Office of the Director-General of Policy Planning (Statistical Standards), Outline of National Statistics Center (NSTAC), Observation of NSTAC's Facilities, Outline of Economic Census (Business Frame), Outline of Economic Census (Business Activity) and discussion (incl. Egyptian Economic Census current situation presentation), Courtesy call on Ambassador and discussion on CAPMAS activities, Outline of Statistical GIS Data, e-stat and jSTAT Map, Demarcation of Enumeration Area of Economic Census, Outline of Government Online Survey System, Statistical use of Big data (Data science of official statistician), Outline of Statistical Activities in METI, Outline of Census of Manufacture, Outline of Indices of Industrial Production, New initiative for statistical data collection using Big data, Outline of CPI, Outline of Retail Price Survey (including PDM demo) and discussion (incl. Egyptian CPI presentation), Courtesy call on DG, SBJ, Courtesy call on President, NSTAC, Economic Structural Survey, Auto coding for Industrial Classification, Outline of Statistical Research and Training Institute (including observation tour of facility), Outline of Statistical Data Utilization Center, Outline of statistical activities in Shiga Prefecture, Data Science for official statistician, Technical outline of Open data, Approach to Open data strategy (API, LOD), Demonstration of how to use API (Application Programming Interface) function, Current situation and issues of CAPMAS activity (presentation and discussion), Outline of Annual GDP estimation, Outline of Quarterly Estimates (quarterly GDP estimation), Outline of Index of Business Condition (Diffusion Index), Wrap up and discussion, Evaluation and Completion Ceremony

(5) Equipment Provision: 43.422 Million Japanese Yen

JICA handed over 450 tablets devices to CAPMAS on December 1, 2016 for managing 2017 population census activities and other statistical studies to be implemented effectively with high quality using IT application.

A list of donations is as follows.

- 450 Tablets (Fujitsu Q555 model)
- 450 Sleeve Cases
- 450 SD Cards (64 GB)

Based on the agreement signed between JICA and CAPMAS on March 22, 2016, CAPMAS has carried out the inventory survey of the tablets by sampling basis at least once in every six (6) months and CAPMAS has reported in writing to JICA Egypt Office on the management and storage condition of the tablets during the duration of the project. The agreement stipulates that CAPMAS shall carry out the inventory in the same manner and report in writing to JICA Egypt Office over three (3) years after the completion of the project.

(6) Overseas activities cost: 18.17 Million Japanese Yen

Major expenses are as follows.

- Salary for project staff
- Maintenance cost (Xerox Work Centre 5024 Printer)
- Purchase of goods (Xerox Work Centre 5024 Printer, Nikon D5300 Camera with a tripod, copy paper, printer toner, file etc.)
- Travel expenses, transportation expenses
- Communication cost
- Car rental cost for short-term experts
- Rewards for interpreter, translator
- Bank Commission

1-2 Input by the Egyptian side (Planned and Actual)

(1) Counterpart assignment: 4 persons

- a) Project Director: Ghada Mostafa Abdalla (Mrs.), former undersecretary of CAPMAS

President Office Affairs, currently undersecretary of economic sector, has been assigned from the beginning of the project.

b) Project Sub-director: Hoda Mostafa Attia (Ms.), Director of international cooperation department of CAPMAS, has been assigned from the beginning of the project.

c) Project Manager: Ahmed Kamal Abdel Aziz (Mr.), CAPMAS President advisor, has been assigned from the beginning of the project.

d) Project Sub-manager: Yasmin Ahmed Mahmoud (Mrs.), Staff member of international cooperation department of CAPMAS, currently on leave.

e) Project Sub-manager: Shaymaa Wael (Ms.), Staff member of international cooperation department of CAPMAS, and has been assigned since October 2017.

(2) Provision of offices, etc.:

- Project office with cooling device
- Conference table
- Four (4) desktop PCs
- Four (4) office desks
- A sofa set for visitors
- Filling cabinets
- Internet
- Vodafone pocket wi-fi
- SAMSUNG Pro Xpress M4020ND Printer
- IP phone (for extension)

(3) Other items borne by the counterpart government:

Other items borne by CAPMAS were meeting expenses for seminars and workshops by experts, and related expenses of airport transfers for experts and field surveys by experts, etc. But the amount is not able to be specified.

1-3 Activities (Planned and Actual)

There was a delay in the implementation of the surveys of population census and economic census. However, there was no factor that has significantly affected the framework and the outcome of the project.

2. Achievements of the Project

2-1 Outputs and indicators

(Target values and actual values achieved at completion)

(1-1) The advice and training result are applied to statistical planning, field work and data processing

- Means of verification: Reports mentioned in 1-2, 1-3, 1-4 / Observation and interview with CAPMAS staff (Project reports)

*Achieved

Through country focused training in Japan (4 times), short term experts' seminar/workshop (5 times) and daily advices by Chief Advisor, many outcomes were obtained in the statistical planning, fieldwork method and data processing including dissemination method using IT application.

Regarding the statistical planning, in the planning process of the Economic Census, several experts on the statistical planning had given useful advices based on Japanese experiences such as survey items in questionnaires, demarcation of the enumeration district, on-line survey system etc. In addition to the planning process, experts supported preparation work in Economic Census Manual for field workers like supervisors and enumerators. Result of the Economic Census will be released at October 2019.

The system development of mobile technology in collecting CPI related statistical data is also one of most important outputs of the Project activity. The development was based on Japanese CPI mobile technology which is collected data using mobile tablets. CAPMAS trainees who joined 1st country focused training had an interest in the technology in Japan. After their coming back to Egypt, they started developing this mobile application system supporting by Nile University. As the result of their efforts, CPI in Egypt evolved into the new stage in which data input can be done without filling it out by hand into questionnaire.

(1-2) Monthly basis Labor Force Survey is conducted from quarterly basis.

- Means of verification: Report of Labor Force Survey

*Achieved

Regarding the Monthly basis Labor Force Survey (LFS), CAPMAS has piled up argument for long time to respond to the request of the government and the international organs like IMF, UN etc. After many consideration and information collection including Japanese experiences, CAPMAS reviewed the methodology of the LFS towards conducting monthly basis survey from quarterly basis.

At first, CAPMAS changed survey method. In the previous quarterly basis LFS, the questionnaire was collected 5 times in three months (in the first months and second month it was collected twice a month (two weeks), on the other hand in the third month only once a month (one week)). It was necessary to get information on the same number of times every month to get monthly basis information. The revision adding one more time in the third month can be maintained to get more accurate information in a monthly basis. As a result of the revision, it was collected 6 times in three months. The revision has been done completely in April 2018.

On the other hand, new sample selection based on the result of the 2017 Census would be needed to secure more accuracy. Current samples were selected based on 2006 Census result. New master sampling methods work including doubling the size of the master sample twice has finished in January 2019 and sampling quality has been improved compared with previous master sample based on 2006 Census.

LFS is conducted using panel survey method. It can be a qualitative and quantitative survey used to measure labor behavior. It means specifically half of the sample household in a month are same household conducted in last year. For example, one household which was collected its data in January 2018 was also collected its data in January 2019. A sample household is requested continuously support to the survey in a same month within two years. This method is a reasonable method to ensure quality and has been adopted in many countries including Japan.

As a specific sample selection based on the new master sample, CAPMAS LFS team decided all samples should be revised by the end of 2019 to avoid non-continuity. CAPMAS is needed to revise half of sample every month and total samples would be changed totally in January 2020. CAPMAS thought it was appropriate to release the monthly basis LFS result at the time of change in all samples and JICA-CAPMAS Project agreed to the method because all samples should be changed based on new master sample.

Even though the official release will be started in February 2020 on January 2020 data, CAPMAS team examined monthly basis data using current data which are mixed new

and old sample. Current monthly basis LFS data is not used for all CAPMAS but for only LFS team staff because of unofficial and internal data.

(1-3) E-Commerce and Trade in-service data are properly tabulated in Economic Census

- Means of verification: Report of Economic Census or Economic survey

*Partially achieved

Many statisticians acknowledge that grasping new changing economy would be one of critical issues and they continued examining the methodology to get accurate data. In Egypt, new trend of economy would be expanded day by day even though the speed is a little bit slow compared with other developed countries.

Various experiences to grasp these data in Japan were provided through country focused training courses and seminar/workshops. At first Chief Advisor discussed this matter with Japanese side, SBJ staff, and provided two stages to get these data. First target is for establishment basis information, and second one is for household basis information.

As the result of our discussion, Chief Advisor pointed out the Economic Census for establishment and HIECS for household would be useful tool to get these data. Japan side provided sample of questionnaire item for e-commerce. CAPMAS decided to add a questionnaire item on e-commerce in current Economic Census which will be released in October 2019. As for HIECS, CAPMAS is now under discussion to add new item on e-commerce to next coming HIECS 2019/2020.

Economic Census grasps the trade data on goods, but the trade-in service is not within the scope of the census. It is essential for CAPMAS to use the data of the Central Bank of Egypt that collects data on the balance of payments. CAPMAS, however, has not yet obtained the central bank's approval for the statistical use of balance of payments data. A trade-in service data team was established within CAPMAS to examine how to collect the data, and CAPMAS continues to discuss the availability of data with the central bank, CBE, in order to obtain balance of payment data which is the most important data to grasp accurate trade-in service data.

(1-4) Grid Square Statistics method is implemented for dissemination of the Census 2017 result.

- Means of verification: Report of the Census 2017

*Achieved

Grid Square Statistics information plays important role in regional analysis in statistics. CAPMAS has exerted their efforts to take those data in when the Population Censuses, it was possible and easy to get a lot of information in 2017 Census thanks to becoming electronic data using tablet as well as GIS work preparing geographic map. Before 2017 Census planning, GIS team had started its work to prepare maps covered all country. It was the first time for CAPMAS to prepare maps of all over country areas for statistical purpose. In the country focused trainings and seminars/workshops, SBJ and Sinfonica (Statistical Information Institute for Consulting and Analysis) provided their experiences, especially concentrating on small area analysis using GIS data in which CAPMAS will face after starting analysis. Small area or regional analysis utilizing GIS data plays important role to analyze and compare the data in a time-series manner. It is also easy to perform a quantitative comparison of events between grid squares.

Based on various Japanese experiences, currently CAPMAS provides GIS information for internal use. It has also finished creating the Geo-Portal site which is a unique comprehensive statistical site to the public supported by ESRI (Environment Systems Research Institute). CAPMAS is currently in discussions with the Ministry of Information regarding the possibility of external use of the Geo-Portal site. If GIS information within the Geo-Portal site would be available for the public, many users like research workers in the governmental, academic and private sectors would get their own profits for their analytical works.

(1-5) Guideline for statistical quality assurance is prepared.

- Means of verification: Guideline for statistical quality assurance

*Achieved

“The quality of official statistics” is a concept built on the compatibility of users’ needs, the timeliness of dissemination, and the interpretability of the statistical data as well as accuracy. Japan established the guideline as a standard guidance to promote the practice of “Quality Assurance”, which aim at improving the usefulness and reliability of official statistics through compilation and dissemination as well as through indication,

evaluation and improvement of statistics quality in administrative organs in order to satisfying user's needs to official statistics.

Through getting these Japanese experiences based on the international standard, CAPMAS also commenced to prepare its own guideline in which above mentioned factors are involved to evaluate statistical quality in Egypt. After discussions with each section within CAPMAS, it provided official "Quality Assurance Guideline" which will be treated as guidelines for future statistical activities.

(1-6) New methodologies are added to HIECS

- Means of verification: Draft Questionnaire and manual for HIECS

*Achieved

HIECS, Household Income, Expenditure and Consumption Survey, provides a large amount of data reliable in measuring household and individual standard of living as well as establishing a databases to poverty measurement, develop social assistance programs and provide Consumer Price Index (CPI weights), which is an important indicator of inflation and providing data for applying national accounts (GDP estimates). Nine previous surveys have been conducted during a period of five years. Starting from 2008/2009, the periodical has been amended to be every two years instead of five years to determine the most accurate changes household's standard of living.

Data for this survey were collected electronically from 2015 survey by laptops for the first time. Latest survey was conducted in 2017/2018, October 2017 to September 2018, in July 2019, latest result for 2017/2018 HIECS was released officially.

In the early stage of the planning of new HIECS 2019/2020, it would be conducted from July 2019 to June 2020. Initial plan, however, couldn't help be changed due to delay of the latest release of the HIECS 2017/2018. At last, next HIECS would be conducted from October 2019 to September 2019.

Regarding the methodology and questionnaires of next HIECS, CAPMAS team decided to continue previous one's basically to avoid time-series discontinuity and difficulty in the field work. The survey forms, questionnaire, were sent to many stakeholders from government agencies and international organizations to express their opinions for proposals to be considered before printing out the questionnaire. In response to a request from the Ministry of Social Solidarity, CAPMAS added new items on financial aid in the household expenditure and consumption questionnaire. CAPMAS also considered

the possibility of the addition on e-commerce consumption related items which was requested by JICA-CAPMAS Project and assisted by trainees of country focused course. These items refer to Japanese survey named Survey of Household Consumption which is additional survey to Japanese HIECS to get detailed information on e-commerce by household. Japan's questionnaire form has been shown, and CAPMAS team considered how to incorporate it into the questionnaire based on Japanese experience. However, it was considered premature to introduce this survey item, and it was postponed for the next study.

The survey manual on field implementation of HIECS is basically prepared by adding new survey items to the previous manual. There would be no major changes.

(2-1) The level of understanding of CAPMAS staff on Japan's practice on sampling methods for statistical studies is improved.

- Means of verification: Training reports/Observation and interview with CAPMAS staff (Project reports)

*Achieved

As a result of hearing survey from ex-participants, CAPMAS 50 staff answered that their level of understanding on sampling methods for statistical studies are improved. (Note: Of the 74 ex-participants, there are 50 valid respondents.)

The activities so far are as follows.

Regarding sampling methods study based on 2017 Census result with Japanese sampling experts, discussion meeting were continuously conducted several times through country focused training programs (three times) and seminars (two times) provided by short-term experts dispatched from SBJ (Statistics Bureau of Japan) in addition to daily discussion with chief advisor in Cairo.

Discussing points were concentrated on the validation of master sampling methods because their capability on basic sampling is relatively high. Japanese experts always insisted on validity of all population-based sampling method to get a wide choice of samples. He also explained master sampling method has a problem of representativeness. Especially, as the 2017 Population Census collected all household data through tablet and e-census method was completely done without any problem, he considered that as the result of e-census, population-based sampling information is perfect and new sampling method based on population should be started this time.

CAPMAS side continued considering the validity whether master sampling method should be continued, or new population-base sampling should be adopted, Through the discussion with SBJ experts, especially in 2nd and 3rd country focused training and seminar in CAPMAS held in July 2017, CAPMAS proposed new sampling method as a part of a solution. It was a new master sampling method including doubling the size of the master sample twice. In addition to the size, it showed the scheduling that new big master sampling work should be completed until the end of 2018. Due to the budget constraints and tight schedule for new survey using samples, CAPMAS gave up adopting the population-based sampling method. It however challenged to increase the number of master sample. Japan side recognized this situation and accepted new approach, doubling the master sample to avoid a delay of sampling work. As the result of these activities, the level of understanding of CAPMAS staff is improved.

(2-2) More than 50 capable staff to conduct statistical studies such as Labor Force Survey etc. with the improved sampling method.

- Means of verification: Reports of statistical studies/Observation and interview with CAPMAS staff (Project reports)

*Partially achieved

As a result of hearing survey from ex-participants, CAPMAS 35 staff answered that they conducted and/or conduct statistical studies such as LFS with the improved sampling method learnt from Japan's cooperation. (Note: Of the 74 ex-participants, there are 50 valid respondents.)

The number of staffs in actual sample survey activities is expected to exceed 50 due to the expected positive ripple effects from the above mentioned participants at the time of various future surveys.

(3-1) Accuracy check methods are clarified by August 2017.

- Means of verification: Project references

*Achieved

CAPMAS clarified the accuracy check methods using 1) Age-cohort analysis, 2) Time

series analysis within the possible range of CAPMAS since August 2017.

The activities so far are as follows.

Generally, as one of accuracy check method of the Census result, most statistician insist the necessity of conducting post-enumeration survey. In CAPMAS, post-enumeration survey on 2006 Census was conducted in 2008. Through the 1st country focused training, short-term expert seminar in July 2017 and discussion with CAPMAS staff and chief advisor, we clarified accuracy check method this time. As a result of many discussions and studies, CAPMAS decided to call off the post-enumeration survey due to practical matters including budget problem. Because the immediate enforcement of the economic census using establishment data in 2017 Census as based information for its sample selection was an urgent problem in CAPMAS, a priority of the post-enumeration survey was lowered.

Based on CAPMAS decision on priority of Economic Census, during the discussion session between CAPMAS and short-term experts in July 2017, expert on accuracy check provided advices on 1) Age cohort analysis, 2) Time series analysis in order to clarify the accuracy check methods to be implemented within possible range of CAPMAS. Instead of post-accuracy check method of 2017 Census in August 2017 (*).

(* As accuracy check method, firstly Japanese side also insisted the importance of comparison with other statistical surveys as well as administrative record like resident registration information. However, due to difficulty of data collection from other sources in Egypt, CAPMAS had to give up its data comparison.)

Experts in SBJ provided detailed information how to study for above mentioned two methods in the country focused training held in October 2017 and short-term expert seminar in January 2018. These specific advices by experts using actual data contributed to improve their ability effectively. Based on the result of these activities, CAPMAS staff started examination of new techniques. Chief advisor followed up the progress through interview of the related staff.

In October 2018 the 3rd country focused training course, discussion how to conduct the two methods was continued and finally in January 2019 CAPMAS provided final analysis result on age cohort analysis and time series analysis. Relating to the provided data, Japanese expert discussed with CAPMAS staff and gave some comments. CAPMAS staff also asked for Japanese experiences, especially validity of the possible range of elderly people to be included in age cohort analysis. Discussion each other produced an effect of our understanding on methods. We believe that we have recognized the correctness or accuracy of both methods.

(3-2) More than 50 capable staff to conduct improved accuracy check of the result of the Census 2017

- Means of verification: Reports on accuracy check results/Observation and interview with CAPMAS staff (Project reports)

*Almost achieved

As a result of hearing survey from ex-participants, CAPMAS 46 staff answered that they conducted and/or conduct improved accuracy check of the results of the Census 2017 using methods provided by Japan's cooperation. (Notes: Of the 64 ex-participants, there are 52 valid respondents.)

Regarding the accuracy check related to age cohort and time series analysis, although there were a limited number of those that could directly perform these analyses, there was a great deal of support because it was the first implementation in CAPMAS.

The number of staffs in actual activities is expected to exceed 50 due to the expected positive ripple effects from the above mentioned participants at the time of various future surveys.

2-2 Project Purpose and indicators

(Target values and actual values achieved at completion)

(1) Based on the result of the Census 2017 with improved quality, sampling framework necessary to conduct other statistical studies (sampling studies) is properly designed.

- Means of verification: CAPMAS internal references on sample surveys

*Achieved

Master sample was provided in January 2019 based on the results of the Census 2017. The new master sample will be sequentially used to conduct the Labor Force Survey and HIECS etc.

Grid Square Statistics (Mesh) has already been prepared.

(2) Guideline/manuals on Censuses (Census 2017 and Economic Census) and other

statistical studies management (e.g. data processing. E-Census and e-survey, utilization of tablet devices, sampling, data accuracy check) is updated/improved.

- Means of verification: Guideline/manuals on Censuses and other statistical studies

*Achieved

Manual of Population, Housing and Establishment Census 2017 was produced. The English version of the manual is effectively used for CAPMAS to introduce the result of Census 2017 to stakeholders of the UN for example in the international conference, especially used as useful information of population census to the statistical organs of developing countries. The Arabic brief version of Census Methodology 2017 is released on a website of CAPMAS as follows.

https://www.capmas.gov.eg/Pages/ShowPDF.aspx?page_id=/Admin/Pages%20Files/2017109144135method.pdf

Manual of Field Implementation of the 5th Economic Census was produced. English version was also produced. This manual will be expected to use in the international conferences as the useful information to the various statistical organs including developing countries after official release of the result of Economic Census.

(3) The accuracy of the Census 2017 to be measured by the accuracy check methods is improved compared to that of the 2006 Census.

- Means of verification: Reports on accuracy check results (age cohort analysis, comparison with other statistical data, post-enumeration survey, quality control etc.)

*Achieved

CAPMAS clarified the accuracy check methods using 1) Age cohort analysis, 2) Time series analysis within the possible range of CAPMAS since August 2017.

In October 2018 the 3rd country focused training course, discussion how to conduct the two methods was continued and finally in January 2019 CAPMAS provided final analysis result on age cohort analysis and time series analysis. Relating to the provided data, Japanese expert discussed with CAPMAS member and gave some comments. CAPMAS

staff also asked for Japanese experiences, especially validity of the possible range of elderly people to be included in age cohort analysis. Discussion each other produced an effect of our understanding on methods.

Totally 46 staff understand how to deal the methods and as a result of CAPMAS efforts first report on tis experience to analyze these methods was provided. As the expert pointed out importance of the accountability on present CAPMAS result including age cohort analysis. CAPMAS has responsible to explain the differences between the previous Census data and the latest one. In the discussion session during seminar, CAPMAS side responded to inquiries provided by the expert which include crucial problems on the previous census data, especially in children data. This time analysis is the first one for CAPMAS and is expected to be valuable and beneficial for future research.

3. History of PDM Modification

PDM was amended two times during the project period.

1) 1st amendment: Signed on April 18, 2017 (effective date: April 9, 2017)

1. Project purpose and Outputs

Original dated on 22 nd December 2015	Amended Version
<p>Shown as II OUTLINE OF THE PROJECT (page 4 to 5), 3. Project Purpose and 4. Outputs are as follows;</p> <p>3. Project Purpose Capacity of CAPMAS to effectively manage the Census for 2016 and other statistical studies is strengthened.</p> <p>4. Outputs 1) Statistical planning, fieldwork and data processing are implemented effectively and with high quality using IT application.</p>	<p>3. Project Purpose Capacity of CAPMAS to effectively manage the Census for 2017 and other statistical studies is strengthened.</p> <p>4. Outputs 1) Statistical planning, fieldwork and data processing are implemented effectively and with high quality using <u>necessary</u> IT</p>

<p>2) The capacity on sampling method is improved in quality.</p> <p>3) The post-enumeration survey for the Census 2016 is conducted properly in accordance with the international standards.</p>	<p>application.</p> <p>2) (same as Original)</p> <p>3) <u>Accuracy check of the result of the Census 2017 data (including advice of the post-enumeration survey method and quality control)</u> is conducted properly in accordance with the international standards.</p>
<p>Reason of amendment:</p> <p>-IT application is one of the measures to implement statistical planning, fieldwork, and data processing effectively and it is not always necessarily to be used. Therefore, the word of “necessary” is added to describe it clearly.</p> <p>-It turned out that only the post enumeration survey is not enough to improve the data quality. Therefore, accuracy check which includes advice of the post-enumeration survey method and quality control should be conducted to improve the data quality.</p>	

2. Input

Original dated on 22 nd December 2015	Amended Version
<p>Shown as II OUTLINE OF THE PROJECT (page 5), 6. Input describes as follows;</p> <p>(1) Input by JICA (a) Dispatch of Experts [Long-term] ▪ Project Coordinator _____ (Work Management / Quality Control)</p>	<p>(1) Input by JICA (a) Dispatch of Experts [Long-term] ▪ <u>Chief Advisor</u> ▪ <u>Project Coordinator</u></p>
<p>Reason of amendment:</p> <p>Currently two long-term experts, Chief Advisor and Project Coordinator, have been dispatched. Chief Advisor is in charge of statistics and quality control work management of the project.</p>	

2) 2nd amendment: Signed on October 29, 2018 (effective date: October 29, 2018)

1. Duration of the Project

Original dated on Dec. 22 nd , 2015	Amended Version
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<p>Shown in Appendix 1, II. OUTLINE OF THE PROJECT, 9. Duration is stated as follow: Three (3) years from the date of first arrival of a Japanese expert in Egypt.</p>	<p>The duration of the Project will be three (3) years and seven (7) months from the date of first arrival of the JICA experts, which was on March 22nd, 2016.</p>
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Reason of amendment:

The advisor mission in June 2018 and CAPMAS discussed the necessity of the project extension to ensure the achievement of the project purpose and outputs and their sustainability. During the discussion, the both parties agreed that the project would be extended until October 2019 to cover these activities as follows:

- a) Field work and data processing for Economic Census, which is scheduled to be conducted from November 2018.
- b) Preparatory works for HIECS, which is scheduled to be conducted from July 2019.
- c) Monthly basis Labor Force Survey on condition of revision of sampling method.
- d) Development of guideline for statistical quality assurance on condition of indicating appropriate timeframe of its finalization.

2. Project Purpose

Revised dated on 18 th April, 2017	Amended Version
<p>Shown in Appendix 2, 1. Project Purpose is stated as follow: Capacity of CAPMAS to effectively manage the Census 2017 and other statistical studies is strengthened.</p>	<p>Capacity of CAPMAS to effectively manage the Census 2017 and other statistical studies <u>(footnote 1)</u> is strengthened. <u>(footnote 1)</u> <u>'other statistical studies' indicates specifically Labor Force Survey and Household Income, Expenditure and Consumption Survey (HIECS).</u></p>

Reason of amendment:

As a result of the advisory mission in June 2018, the mission and CAPMAS discussed to make clear that 'other statistical studies' which the project supports are specifically Labor Force Survey and Household, Income Expenditure and Consumption Survey

(HIECS). To describe the targeted statistical studies, a footnote is added to project purpose.

3. Objectively Verifiable Indicators of Project Purpose

Revised dated on 18 th April, 2017	Amended Version
<p>Shown in ANNEX 2 PDM of Appendix 2, Objectively Verifiable Indicator of Project Purpose is stated as follow:</p> <p>2. Guideline/manuals on Censuses and other statistical studies management (e.g., data processing, E-Census and e-survey, utilization of tablet devices, sampling, data accuracy check) is updated/improved.</p>	<p>2. Guideline/manuals on Censuses (<u>Census 2017 and Economic Census</u>) and other statistical studies management (e.g., data processing, E-Census and e-survey, utilization of tablet devices, sampling, data accuracy check) is updated/improved.</p>

Reason of amendment:

Objectively verifiable indicators of project purpose is revised as result of the advisory mission, which concluded that 'Censuses' indicates Census 2017 and Economic Census.

4. Objectively Verifiable Indicators of Output 1

Revised dated on 18 th April, 2017	Amended Version
<p>Shown in ANNEX 2 PDM of Appendix 2, Objectively Verifiable Indicators of Output 1 are stated as follow:</p> <p>1-1. The advice and training result are applied to statistical planning, fieldwork and data processing.</p> <p>1-2. Monthly basis Labor Force Survey is conducted from quarterly basis.</p> <p>1-3. E-Commerce and Trade in-service data are included in the surveys.</p> <p>1-4. Grid Square Statistics method is implemented for dissemination of the</p>	<p>1-1. The advice and training result are applied to statistical planning, fieldwork and data processing.</p> <p>1-2. Monthly basis Labor Force Survey is conducted from quarterly basis.</p> <p>1-3. E-Commerce and Trade in-service data are <u>properly tabulated</u> in <u>Economic Census</u>.</p> <p>1-4. Grid Square Statistics method is implemented for dissemination of the</p>

Census 2017 result. 1-5. Guideline for statistical quality assurance is prepared.	Census 2017 result. 1-5. Guideline for statistical quality assurance is prepared. <u>1-6. New methodologies are added to HIECS.</u>
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Reason of amendment:

-The advisory mission and CAPMAS discussed that the project supports field work and data processing, including e-commerce and trade in-service data for Economic Census. To describe the project scope clearly, objectively verifiable indicators of output 1 is revised.

-The advisory mission and CAPMAS agreed that the project supports using the new methodologies to HIECS based on the experience of Census 2017. Both parties agreed to put a new indicator as 1-6.

4. Others

4-1 Results of Environmental and Social Considerations (if applicable)

4-2 Results of Considerations on Gender/Peace Building/Poverty Reduction (if applicable)

III. Results of Joint Review

1. Results of Review based on DAC Evaluation Criteria

(1) Relevance

1) Consistency with Development Policy and 2) Consistency with Development Needs
CAPMAS is a responsible organ to provide basic data for developing various government policy in Egypt. There is a demand for providing accurate data that does not impair the reliability of the data not only in the government but also in the international organizations and the private sector in and outside the country.

On the other hand, the UN Sustainable Developing Goals - SDGs 2030 approved by the General Assembly of the United Nations in September 2015 – represent a global comprehensive development initiative based on the experience of MDGs all over the world, during the period 2000-2015. Egypt is also required to develop the data based on the new development goals. In fact, CAPMAS – as the official statistical agency – has been strongly active in the global and regional efforts and dialogues related to sustainable development and its statistical requirements. The Project was also planned and approached to achieve these basic goals. Attempts to improve the quality of

individual statistics and the response to new statistical methods are consistent with the demands of agencies within the Egyptian government and international organizations in that the ultimate goal is to support SDGs. We believe that this will increase the reliability of the use of statistics, including the domestic and foreign private sectors.

During our three years project term, regular verification is performed by submitting a report every year: in 2018 'Data Ecosystem Report to Enhance Sustainable Development in Egypt'.

3) Appropriateness of project plan and approach

As I have already mentioned, in order to achieve the overall goal, attempts to improve the quality of various statistics under the project purpose have always drawn up the needs of the CAPMAS side from the start of the project and created a PDM. We have been trying to respond by holding country focused trainings in Japan and seminars/workshops in CAPMAS provided by short-term experts.

The statistical support provided by the Statistics Bureau of the Ministry of Internal Affairs and Communications in Japan so far involves many types of full support, including provision of equipment, as it is directly involved in the statistical preparation of countries where statistics preparation ability is low and cannot be handled by itself. This is the first-time support for a country that has a moderate ability to create statistics, such as Egypt, and has a long history of statistical activities.

The support in Egypt was of the side support type for improving the quality of statistics, and the project did not directly conduct a new survey. In other words, in order to improve statistical quality, it was indispensable as a countermeasure to determine the contents of support by the approach of grasping the needs of CAPMAS in detail. The fact that the Japanese side, Statistics Bureau of the Ministry of Internal Affairs and Communications, was able to share this experience is extremely useful as a precedent for new statistical support that is not a provision of equipment or a full-scale statistical preparation support policy for developing countries in the future.

(2) Effectiveness

Looking at the degree of achievement of the indicators set in PDM, it is considered that the project purpose was almost achieved.

(3) Efficiency

① Operating cost:

Planned cost: 437.62 Million Japanese Yen

Actual cost: 185.22 Million Japanese Yen

② Duration of the project

Planned: From March 20, 2016 till March 19, 2019

Actual: From March 20, 2016 till October 19, 2019

Reason: The advisor mission in June 2018 and CAPMAS discussed the necessity of the project extension to ensure the achievement of the project purpose and outputs and their sustainability. During the discussion, the both parties agreed that the project would be extended until October 2019 to cover these activities as follows:

- a) Field work and data processing for Economic Census, which is scheduled to be conducted from November 2018.
- b) Preparatory works for HIECS, which is scheduled to be conducted from July 2019.
- c) Monthly basis Labor Force Survey on condition of revision of sampling method.
- d) Development of guideline for statistical quality assurance on condition of indicating appropriate timeframe of its finalization.

③ A causal relationship

Output-1: Statistical planning, fieldwork and data processing are implemented effectively and with high quality using necessary IT application.

1) Major inputs at the preparatory phase of Population Housing Census 2017

- Seminar was held in March 2016 by short-term experts regarding 1) Statistical system in Japan, 2) Population Census, 3) Online system of population census, and 4) Quality assurance in statistical survey.
- Seminar was held in October 2016 by long-term expert regarding the quality control.
- Seminars was held in November 2016 by short-term experts regarding 1) Official statistical system in Japan, 2) Relations with international statistical community in Japan, and 3) Quality assurance activities.
- JICA handed over 450 tablets devices to CAPMAS on December 1, 2016 for managing 2017 population census activities and other statistical studies.

As a result of above inputs by Japanese side, Population Housing Census 2017 was effectively implemented from February till July 2017. Therefore, it is recognized that the quality, quantity and timing of inputs were appropriate and efficient.

2) Major inputs at the preparatory and implementation phase of 2018 Economic census

- Workshop was held in January 2018 by short-term expert regarding 1) Development of lists of establishments / enterprises in advance and 2) survey items.
- Workshops was held in July 2018 by short-term experts regarding 1) Tabulation and Dissemination of Economic Census for Business Activity, and 2) Field Management of Economic Census for Business Activity.
- Workshops was held in February 2019 by short-term experts regarding 1) Tabulation, Imputation and Data editing of Economic Census data and 2) LOD¹ System.
- Advice and training were provided in 1st country focused training in September 2017 regarding 1) Outline of Economic Census (Business Frame and Business Activity) and 2) Outline of Data Scrutiny and Data Processing of Economic Census (Coding Support System and Statistical Linked Open Data (LOD)).
- Advice and training were provided in 2nd country focused training in February 2018 regarding 1) Outline of Economic Census (Business Frame) (Rolling Census), 2) Outline of Economic Census (Business Activity), 3) Outline of Data Scrutiny and Data Processing of Economic Census, 4) Demarcation of Enumeration Area of Economic Census, and 5) Outline of Online Survey System of Economic Census for Business Activity.

As a result of above inputs by Japanese side, Economic Census was effectively implemented from October 2018 till May 2019. Therefore, it is recognized that the quality, quantity and timing of inputs were appropriate and efficient.

Output-2: The capacity on sampling method is improved in quality.

Major inputs on producing master sample and introducing panel survey method

- Seminar was held on sampling method in March 2016 by short-term expert.
- Workshop was held in January 2018 regarding sample design (selection method, sample size, example of strata, sample rotation) by short-term expert.
- Advice and training were provided in 1st country focused training in September 2017 regarding 1) Sampling method 1(basic), 2) Labor Force Survey (including sampling method), Employment Status Survey (including sampling method), 3) Family Income Expenditure Survey (including sampling method), and 4) Survey of Household Economy (including sampling method).
- Advice and training were provided in 2nd country focused training in February

¹ Linked Open Data

2018 regarding 1) Outline of LFS² (including sampling), 2) Methodology of LFS and discussion (including Egyptian LFS), 3) Sampling method (Basic), and 4) Sampling method (master sampling in Egypt and discussion).

- Advice and training were provided in 3rd country focused training in September 2018 regarding 1) Outline of Labor Force Survey (incl. sampling), 2) Methodology of LFS and discussion (incl. Egyptian LFS presentation), 3) Sampling method (Basic), and 4) Sampling method (current situation of master sampling in Egypt and discussion).

As a result of above inputs by Japanese side, master sample was produced in January 2019, and panel survey method was introduced using the master sample. Thus, preparations are underway to announce the monthly basis Labor Force Survey. Therefore, it is recognized that the implementation of the training and the guidance of experts showed a causal relationship with the results, and the quality, quantity and timing of inputs were appropriate and efficient.

Output-3: Accuracy check of the result of the Census 2017 data (including advice of the post-enumeration survey method and quality control) is conducted properly in accordance with the international standards.

Major inputs on accuracy check method

- Seminar was held on post-enumeration survey in March 2016 by short-term expert.
- Workshop was held in November 2016 regarding 1) Quality control of 2017 Population Census and 2) Post-enumeration survey by short-term expert.
- Workshop was held in July 2017 regarding 1) Accuracy check method of 2017 Population Census and 2) Post-enumeration survey by short-term expert. (Accuracy check method was clarified.)
- Workshop was held in January 2018 regarding 1) How to create “Accuracy check method” (Age-cohort analysis, Time series analysis) and 2) How to interpret the result data by short-term expert.
- Workshop was held in February 2019 regarding verification of age-cohort analysis and time series analysis by short-term expert. (Verification of result data of accuracy check methods.)
- Advice and training were provided in 1st country focused training in September

² Labor Force Survey

2017 regarding age-Cohort Analysis and accuracy check method of Population Census.

- Advice and training were provided in 3rd country focused training in September 2018 regarding Population Census quality improvement (incl. age-cohort analysis in Egypt).

As a result of above inputs by Japanese side, accuracy check method was clarified in July 2017 (age-cohort analysis, time series analysis), and its result data of accuracy check method conducted by CAPMAS was verified by short-term expert in January 2019. Therefore, it is recognized that the implementation of the training and the guidance of experts showed a causal relationship with the results, and the quality, quantity and timing of inputs were appropriate and efficient.

(4) Impact

1) Prospects to achieve the overall goal

Regarding the prospects to achieve the overall goal, I have already mentioned in 'IV. 1 Prospects to achieve Overall Goal'.

The target year of the overall goal will be affected by the trend of the international agreement 2030 SDGs, but since the annual progress report will be submitted, it will be judged while assessing the situation. According to the international agreement, 2030 is currently the target year. It is required to respond to requests which is global standards not only within the Egyptian government but also in international societies.

2) Causal relationship

Project Purpose was created to achieve the Overall Goal. External conditions from the project purpose to the overall goal are still now appropriate.

3) Ripple effect

Since the overall goal extends over a long period of time, no effects / influence other than the overall goal can be assumed at present. Also, no negative impact can be assumed.

(5) Sustainability

1) Policy and institutional aspects

CAPMAS is the central body in Egypt for the preparation and publication of statistics. A backup from the entire government has been established as a data creation and provision organization, and it is possible to continue support centered on CAPMAS for the 2030 SDGs.

2) Structure of the implementing agency

Proactive responses have been made regarding inside the organization and inter-organizational responsibilities and structure, and availability of human resources. Since there is an imbalance in staff composition (more than half of the staff are over 50 years old), there is an urgent need to strengthen support through training for young staff. As for the cooperation system for this project, a regular consultation system with the counterparts is secured, and its ownership is secured in a solid form.

3) Skills of the implementing agency

Skill level is secured through various trainings inside the CAPMAS and country focused trainings held in Japan.

4) Finance of the implementing agency

Necessary financial resources are secured to such an extent that the project implementation will not be hindered. It is expected that the importance of CAPMAS operations will be secured in the future.

The items mentioned in each of the above viewpoints are secured, and there is sufficient prospects in the future, so sustainability is considered high.

2. Key Factors Affecting Implementation and Outcomes

There was no negative impact on the project.

3. Evaluation on the results of the Project Risk Management

None.

4. Lessons Learnt

Lessons learned for similar projects in the future include the following. Although these are not risks, they need to be considered as cautions during implementation. What matters most is the time delay and changes in the survey schedule and the announcement of the survey results. The official statistics should be aimed at the disclosure of survey methods and survey implementation in advance to the public. In order to increase the credibility of statistics, it is necessary to inform the public in advance what kind of statistical surveys will be conducted for what purpose. Such

communication or release should be made in the form of government decision, and it is not appropriate for a single statistical institution to make a decision.

IV. For the Achievement of Overall Goals after Project Completion

1. Prospects to achieve Overall Goal

1) Prospects to achieve overall goal

The target year of the overall goal will be affected by the trend of the international agreement 2030 SDGs, but since the annual progress report will be submitted, it will be judged while assessing the situation. According to the international agreement, 2030 is currently the target year. It is required to respond to requests which is global standards not only within the Egyptian government but also in international societies.

Project Purpose was created to achieve the Overall Goal. External conditions from the project purpose to the overall goal are still now appropriate.

CAPMAS is the central body in Egypt for the preparation and publication of statistics. A backup from the entire government has been established as a data creation and provision organization, and it is possible to continue support centered on CAPMAS for the 2030 SDGs.

2) Ensuring sustainability

Proactive responses have been made regarding inside the organization and inter-organizational responsibilities and structure, and availability of human resources. Since there is an imbalance in staff composition (more than half of the staff are over 50 years old), there is an urgent need to strengthen support through training for young staff. As for the cooperation system for this project, a regular consultation system with the counterparts is secured, and its ownership is secured in a solid form.

Skill level of implementing agency is secured through various trainings inside the CAPMAS and country focused trainings held in Japan.

Necessary financial resources of implementing agency are secured to such an extent that the project implementation will not be hindered. It is expected that the importance of CAPMAS operations will be secured in the future.

2. Plan of Operation and Implementation Structure of the Egyptian side to achieve the Overall Goal

The overall goal is achieved in the process of the smooth and appropriate implementation of the individual statistical activities set forth in the project objectives by the government's statistics organizations, centered on CAPMAS.

Since daily statistical activities lead to results, it is necessary for CAPMAS to actively participate in its organizational structure, inter-organizational responsibilities and systems, and human resource development.

Since there is an imbalance in staff composition (more than half of the staff are over 50 years old), there is an urgent need to strengthen support through training for young staff. As for the cooperation system for this project, a regular consultation system with the counterparts is secured, and its ownership is secured in a solid form to grasp problems in conducting statistical activities, studying training methods for human resource development, etc.

Skill level of implementing agency is secured through various trainings inside the CAPMAS and country focused trainings held in Japan.

Necessary financial resources of implementing agency are secured to such an extent that the project implementation will not be hindered. It is expected that the importance of CAPMAS operations will be secured in the future.

3. Recommendations for the Egyptian side

What matters most is the time delay and changes in the survey schedule and the announcement of the survey results. The official statistics should be aimed at the disclosure of survey methods and survey implementation in advance to the public. In order to increase the credibility of statistics, it is necessary to inform the public in advance what kind of statistical surveys will be conducted for what purpose. Such communication or release should be made in the form of government decision, and it is not appropriate for a single statistical institution to make a decision. I would like to make the following recommendations in this regard.

1) Restart of the statistical deliberation organization or statistical advisory commission
Establish a statistical advisory commission consisting of government ministries and representatives of academic and private sectors, and re-activate the activities of the

statistical advisory commission once established in CAPMAS

Through deliberation in the statistical advisory commission, the statistical plan created by CAPMAS will be examined from the preparatory stage of its plan and the function of guiding the direction will be provided.

2) Development of statistical survey plan

In order to ensure sufficient time for the preparation of surveys for statistical activities, and to secure financial resources in the medium to long term, the survey implementation plan for the next 3 to 5 years should be identified and a schedule should be established. By making such a plan, it is possible to secure necessary financial resources, predict necessary human resources, and perform resource allocation every year.

Even though we understand that it is now difficult to create a medium- to long-term budget plan in Egypt, we think it might be possible to consider at least when to conduct which survey and what data to obtain regularly.

4. Monitoring Plan from the end of the Project to Ex-post Evaluation

(If the Project will be continuously monitored by JICA after completion of the Project, mention the plan for post-monitoring here.)

ANNEX 1: Results of the Project

List of Dispatched Experts

Long-term Experts (2 person)

No.	Name	Position ▪ Subject	Period of Assignment
1	Kazuhiko MATSUO	Chief Advisor (Professor, Statistical Research and Training Institute) ▪ Statistics / Quality Control	2016/6/22- 2019/10/19
2	Daijiro KATO	Coordinator ▪ Training Program	2016/6/16- 2019/10/19

Short-term Experts (19 person)

No.	Name (Order of dispatch)	Position ▪ Subject	Period of Assignment
1	Kazuhiko MATSUO (1st)	Deputy Director for Statistical Clearance, DGPP ³ , MIC ⁴ ▪ Statistics, Quality Control	2016/3/20-2016/3/24
2	Yoshiyuki KOBAYASHI (1st)	Professor, Statistical Research and Training Institute, MIC ▪ Sampling Method	-ditto-
3	Sumiko HAMADA (1st)	Unit Chief, Statistical Information Systems Division, SBJ ⁵ , MIC ▪ IT (Information Technology)	-ditto-
4	Fumika AKUTSU (1 st)	Unit Chief, Population Census Division, Statistical Survey Department, SBJ, MIC ▪ Post-Enumeration Survey	-ditto-
5	Takao ITO (2 nd)	Executive Statistician for International Statistical Affairs, ex-DGPP, MIC ▪ Statistics Act, Statistics Commission, International Statistics	2016/11/25- 2016/12/4
6	Masaaki SATO (2 nd)	Senior Researcher, SBJ, MIC ▪ Quality Management of Population Census 2017, Post-Enumeration Survey	-ditto-
7	Yoshiyuki KOBAYASHI (3 rd)	Professor, Statistical Research and Training Institute, ▪ Accuracy Check Methods of Population Census 2017, Post-Enumeration Survey	2017/7/25-2017/7/27
8	Fumika AKUTSU (3 rd)	Unit Chief, Population Census Division, Statistical Survey Department, SBJ, MIC ▪ Accuracy	2017/7/24-2017/7/31

³ Director-General for Policy Planning (Statistical Standards)

⁴ Ministry of Internal Affairs and Communications

⁵ Statistics Bureau of Japan

		Check Methods of Population Census 2017, Post-Enumeration Survey	
9	Masaaki SATO (4 th)	Senior Researcher, Office of DGPP ▪ Statistical Survey Methods, Quality Management	2018/1/14-2018/1/18
10	Keiko NAGAI (4 th)	Assistant Director, Labour Force Statistics Office, Population Census Division, Statistical Survey Department, SBJ, MIC ▪ Labour Force Survey	-ditto-
11	Mineo WATANABE (4 th)	Unit Chief, Economic Statistics Division, Statistical Survey Department, SBJ, MIC ▪ Economic Census	-ditto-
12	Fumika AKUTSU (4 th)	Unit Chief, Population Census Division, Statistical Survey Department, SBJ, MIC ▪ Accuracy Check Methods (Age Cohort Analysis, Time Series Analysis)	-ditto-
13	Masaaki OHTA (5 th)	Deputy Director, Economic Statistics Division, SBJ, MIC ▪ Tabulation and Dissemination of Economic Census for Business Activity	2018/7/29-2018/8/2
14	Shingo ANEZAKI (5 th)	Unit Chief, Economic Statistics Division. SBJ, MIC ▪ Field Management of Economic Census for Business Activity	-ditto-
15	Tetsuro ISHII (6 th)	Deputy Director, Economic Census Data Processing Division, Statistical Data Processing Department, NSTAC ⁶ ▪ Tabulation, Imputation and Data editing of	2019/2/3-2019/2/7

⁶ National Statistics Center

		Economic Census data	
16	Shoki NISHIMURA (6 th)	Deputy Director, Information Systems Policy Planning Division, NSTAC • LOD ⁷ System	2019/2/3-2019/2/4
17	Tatsuya WADA (6 th)	Unit Chief, Population Census Division, SBJ, MIC • Age-cohort analysis with using Population Census data	2019/2/3-2019/2/7
18	Youichi INAGAKI (7 th)	Director for Planning, General Affairs Division, SBJ, MIC • Project Wrap-up, and Discussion about implementation method of next program	2019/9/15-2019/9/19
19	Fumika AKUTSU (7 th)	Unit Chief, General Affairs Division, SBJ, MIC • Project Wrap-up, and Discussion about implementation method of next program	-ditto-

Invitation Program

List of Invitees

No.	Name	Position (CAPMAS)	Position (Project)
1	Mrs. Ghada Mostafa Abdallah	Undersecretary of CAPMAS President Office Affairs	Director
2	Mrs. Hoda Mostafa Attia	Director General of International Cooperation Department	Sub-Director
3	Mr. Ahmed Kamal Abd El Aziz	President Advisor	Manager
4	Ms. Yasmin Ahmed Mahmoud	Staff member of international Cooperation Department	Sub-Manager
Period		From 2017-1-29 to 2017-2-4	

⁷ Linked Open Data

Purpose	(1) To exchange opinions and discussions on statistical survey and statistical services with Statistics Bureau, and Office of Statistical Standards, MIC ⁸ etc. (2) To exchange opinions and discussions on “Country-focused training program” with relevant institutions, which will be implemented for three (3) times starting from 2017. (3) To exchange opinions and discussions on statistical studies with academic in Japan.
Expected outcome	<p>CAPMAS is able to clarify:</p> <ul style="list-style-type: none"> ▪ its strategy on statistical survey and activities which should be undertaken in the scheme of the project. ▪ the subjects and topics in seminars and/or workshops, which will be held by experts of the project from now onward. ▪ training programs of country-focused courses to be implemented for three (3) times starting from 2017. <p>Outcomes of each visit place are as follows.</p> <p>1) SBJ⁹, DGPP¹⁰, NSTAC¹¹</p> <p>CAPMAS executives and each organization discussed the most advanced topics being made in Japan such as E-commerce in Economic Census, business register and e-stat. After the discussions, CAPMAS executives clarified the subjects and topics to be addressed onward.</p> <p>2) Research and Statistics Department, Bank of Japan</p> <p>Among of research and statistics under the jurisdiction of Bank of Japan (BOJ), CAPMAS executives received a lecture on trade in services, the corporate goods price index and the customer price index. CAPMAS executives exchanged opinions with BOJ to clarify their needs and solution. A lecture on trade in services especially, since BOJ is a member of working group in the United Nations, was very useful reference.</p>

⁸ Ministry of Internal Affairs and Communications, Government of Japan

⁹ Statistics Bureau of Japan, MIC

¹⁰ Director-General for Policy Planning (Statistical Standards)

¹¹ National Statistics Center

	<p>3) SIAP¹²</p> <p>SIAP is a statistical institute of the United Nations, which is financially supported 80% contribution in the total amount of the budget, dispatch of staff, facility by MIC, and receiving group trainings of JICA. CAPMAS executives made a courtesy call on Head of the SIAP, who is a former general director of statistics bureau of India and observed the training programs sponsored by JICA to use as a future reference for CAPMAS.</p> <p>4) Sophia University</p> <p>CAPMAS executives exchanged views with Professor Iwasaki specializing in Egypt. CAPMAS explained the current situation of statistics and heard the expert opinions in preparation for implementing HIECS. (Professor Kato, Hitotsubashi Univ. attended.)</p>
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List of participants of country focused training program

1st Country focused training course

	Name	Sector	Department
1	Mr. Mohammed Abdullah Mahmoud	President Office	Quality Control
2	Ms. Shaima Wael	President Office	International Cooperation
3	Mr. Mina Nashey Kamel	Economic Sector	Financial and Price Statistics
4	Ms. Hajar Emad Eddin	Economic Sector	Indies
5	Mr. Ahmed Lotfy Abdel Hamid	Population Sector	Services Statistics
6	Mr. Safwat Sayed Haggag Abdelkader	Population Sector	Education Statistics

¹² United Nations Statistical Institute for Asia and the Pacific

7	Mr. Ali Hobeishi Kamel	Population Sector	Samples and classifications
8	Ms. Mervat Mohamed Yahya	IT Sector	Health and Social Services Data Software
9	Mr. Basem Mohammed Ali Ezzat	IT Sector	Projects' Development
10	Ms. Mona Abdel Latif Eid	Regional Branches Sector	Technical affairs and Follow-up
11	Mr. Mohamed Alaa El Din Abdel Rahman	Regional Branches Sector	Statistics and Mobilization Researches

2nd Country focused training course

No.	Name (A Group, B Group)	Sector	Department
1	Mr. Tamer Mohamed Amin Mohamed Baioumy (B)	President Office	Technical Affairs
2	Mr. Mohamed Ali Ibrahiem Edries (B)	Economic Sector	Prices
3	Mr. Mohamed Mahmoud Aboelezz Tawfik (B)	Economic Sector	Foreign Trade Statistics
4	Ms. Nany Abdelkader Hashem Elfar (B)	Economic Sector	Economic Studies and Research
5	Mr. Ahmed Mohamed Kamel Ahmed (A)	IT Sector	GIS
6	Mr. Abdelhalim Ibrahim Mohamed Abdelaziz (B)	IT Sector	GIS
7	Mr. Ahmed Mohamed Mohamed Elsayed (A)	IT Sector	Projects' Development
8	Mr. Moody Masmah Wadei Gayed (B)	IT Sector	Projects' Development
9	Mr. Aboueilella Tourky Aboueilella Morsy (A)	Population Sector	Population Census
10	Ms. Shaimaa Khairy	Population Sector	Classification &

	Abdelmaged Shehata (A)		Sampling
11	Ms. Wafaa Ezzet Ali Eid (A)	Population Sector	Labor Statistics
12	Mr. Amr Elshahat Khalifa Sayed Ahmed Elwakil (A)	Regional Branches Sector	Kaf El-Sheikh Governorate, Mobilization Research & Statistics
13	Ms. Sawsan Ibrahim Mohammed Said Ahmed (B)	Regional Branches Sector	Alexandria Governorate, Mobilization Research & Statistics

3rd Country focused training course

No.	Name	Sector	Department
1	Dr. Shaker El-Naggar	Population Sector	Economic Censuses
2	Ms. Walaa El-Sharkawy	Population Sector	Social Studies
3	Mr. Emad Alaswad	Population Sector	Social Studies
4	Ms. Mennatallah Anwar	IT Sector	GIS
5	Mr. Mina Gerges	IT Sector	Software Development
6	Mr. Mahmoud Ghamry	Regional Branches Sector	Kafr El-Sheikh Governorate
7	Ms. Walaa Elabbasy	President Office	Technical Affairs Management

4th Country focused training course

No.	Name	Sector	Department
1	Mr. Ahmed Kamal Abdelaziz Ibrahim	President Advisor	
2	Mr. Mohamed Abdelmonem Abdelraouf Mohamed Elsayed	President Office	Follow-up

3	Mr. Sayed Mostafa Bayoumi Elsayed	IT Sector	Projects' Development
4	Ms. Hebatallah Eliwa Ghazy Eliwa	IT Sector	Computer Engineering
5	Mr. Mostafa Mahmoud Abdelnaby Esmail	Economic Sector	Technical Affairs
6	Mr. Mohammed Abdelmohsen Ibrahime Mahrous	Economic Sector	Foreign Trade
7	Mr. Mohamed Nabil Abdelfattah Ahmed	Economic Sector	Foreign Trade
8	Mr. Ahmed Mohammed Elkordy Fathy	Regional Branches Sector	Beni Suef Office

Note:

The followings are attached below.

Schedule of 1st country focused training

Schedule of 2nd country focused training

Schedule of 3rd country focused training

Schedule of 4th country focused training

Project on Developing Statistical Quality System at CAPMAS					
Schedule of the First Country-Focused Training in Japan					
Tentative as of September 14, 2017					
Date	Time	Venue	Training Subject	Lecturer	
Sept.23	Sat.	18:40	Leaving Cairo	EK924	
Sept.24	Sun.	17:35	Arriving at Tokyo	EK318	
Sept.25	Mon.	10:30-12:30	JICA Tokyo	Briefing	JICA TIC Staff
		13:30-15:00 15:30-17:00	International Center (TIC)	Course Orientation Fundamental Principles of Official Statistics	Kazuhiko Matsuo, Chief Advisor of the Project Mr. Takao Itou, Former Director-General for
Sept.26	Tue.	10:30-10:50 11:00-11:30	Statistics Bureau of Japan (SBJ)	Courtesy call to the DG Observation tour to Statistical Museum	Mr. Masato Chino, DG, SBJ, MIC Ms. Nobuko Kobayashi, Head, Statistical Museum, SBJ
		13:30-15:00 15:30-17:00		Outline of Statistics Bureau Outline of Office of the Director-General of Policy Planning (Statistical Standards)	Ms. Akiko Kato, Chief, General Affairs Div. SBJ Mr. Ryousuke Kurematsu, Chief, Statistical
Sept.27	Wed.	10:00-11:00 11:00-12:00	SBJ	Outline of Economic Census (Business Frame and Business Activity)	Mr. Susumu Kubo, DD, Statistics Production Support Division, SBJ Ms. Yuki Kamata, Chief, Economic Statistics Division, SBJ
		13:30-15:00 15:30-17:00		Outline of Census Mapping System (CMS) Outline of Grid Square Statistics (Mesh)	Mr. Yoshihisa Mikawa, Chief, Geographic Information Office, SBJ Ms. Noriko Takeda, Chief, Geographic Information Office, SBJ
Sept.28	Thu.	10:00-12:00	SBJ	Outline of Population Survey	Ms. Fumika Akutsu, Chief, Population Census Division, SBJ
		13:30-15:00 15:30-17:00		Age-Cohort Analysis and accuracy check method of Population Census Outline of Portal Site of Official Statistics of Japan (e-Stat) and Statistical GIS	Ms. Fumika Akutsu, Chief, Population Census Division, SBJ Mr. Yoshikazu Hirose, Chief, Office of Director for Management of Statistical
Sept.29	Fri.		National Statistics Center (NSTAC)	Courtesy call on President	Dr. Hiroe Tsubaki, President, NSTAC
		10:00-10:20 10:30-11:20 11:30-12:00		Outline of National Statistics Center	Ms. Takako Kanamuro, DD, Corporate Development Office, NSTAC
				Observation of National Statistics Center's Facilities	Mr. Tsutomu Nagano, Chief, Information Management Division, NSTAC Mr. Mitsuhiro Wada, Chief, Information Management Division, NSTAC
		13:30-15:00 15:30-17:00		Outline of Data Scrutiny and Data Processing of Population Census	Mr. Masahiro Takeyama, Chief, Population Census Data Processing Division, NSTAC
Sept.30	Sat.		Holiday		
Oct. 1	Sun.		Holiday		
Oct. 2	Mon.	10:00-12:00	NSTAC	Outline of Data Scrutiny and Data Processing of Economic Census (Coding Support System and Statistical Linked Open Data (LOD))	Mr. Atsushi Odaka, DD, Office for Economic Census Data Processing, NSTAC
		14:00-16:00 17:00-18:30	JICA TIC	Outline of Prefectural Administration and statistical organization Economic analysis using CAPMAS data and discussion	Kazuhiko Matsuo Dr. Erina Iwasaki, Professor Sophia University Dr. Hiroshi Kato, Professor Emiritus
Oct. 3	Tue.	AM		Move to Gifu Prefecture	
		14:00-16:00	Yabashi Holdings co.	Observation tour in Yabashi Holdings (outline of the company and statistical matters)	Mr. Tatsunobu Yabashi, President, Yabashi Holdings
Oct. 4	Wed.	10:00-12:00	Gifu Prefecture Office	Outline of Statistical Activities (mainly Census) in Gifu Prefecture	Ms. Yoko Takahashi, Director, Statistics Division, Gifu Prefectural Government
		PM		Move to Tokyo	
Oct. 5	Thu.	10:00-12:00 13:00-14:30 15:00-16:15	SIAP	The 2030 Agenda for Sustainable Development (notion of Sustainable development; goals; targets; data) SDG global indicator framework (process; list of indicators)	Mr. Makoto Shimizu, Deputy Director and SIAP lecturer
Oct. 6	Fri.	10:00-12:00 13:00-14:30 15:00-16:15	SIAP	Meeting the statistics requirement of the 2030 Agenda in Egypt (Presentation session) Meeting (cont.) (Presentation session) Lecture by Dr.Kumar (Director of SIAP)	Mr. Makoto Shimizu, Deputy Director and SIAP lecture Dr. Ashish Kumar, Director of SIAP
Oct. 7	Sat.		Holiday		
Oct. 8	Sun.		Holiday		
Oct. 9	Mon.		Holiday		

		10:00-12:00	JICA TIC	Inner meeting	Kazuhiko Matsuo
Oct. 10	Tue.	13:00-14:30	SBJ	Presentation on Role and Activities of CAPMAS, IT Census 2017, Census QC, Economic Census by Trainees, and Discussion	Trainees from CAPMAS, Japanese lecturers
		13:30-15:00 15:30-17:00		SDG (in Japan and discussion)	Mr. Hideyuki Ishimaru, Chief, International Affairs Div. DGPP
Oct. 11	Wed.	10:00-12:00	Ministry of Economy, Trade and Industry (METI)	Outline of Industrial Statistics provided by METI	Mr. Hidekazu Tamura, DD, Research and Analysis Support Office, Research and Statistics Department, METI
		13:30-15:00 15:30-17:00		Outline of Census of Manufacture Outline of Census of Commerce	Mr. Hironari Anzai, Chief, Structural Statistics Office, Research and Statistics Department, METI Mr. Atsushi Furuya, Chief, Structural Statistics Office, Research and Statistics Department, METI
Oct. 12	Thu.	10:00-12:00	SBJ	Sampling method 1(basic)	Mr. Nobuyuki Sakashita, Professor, Statistical Research and Training Institute
		13:30-15:00 15:30-17:00		Labor Force Survey (including sampling method) Employment Status Survey (including sampling method)	Mr. Daisuke Oda, Chief, Labor Force Statistics Office, SBJ Mr. Ryuta Ishii, Chief, Labor Force Statistics Office. SBJ
Oct. 13	Fri.	10:00-11:00 11:00-12:00	SBJ JICA TIC	Family Income Expenditure Survey (including sampling method) Survey of Household Economy (including sampling method)	Ms. Yuri Okada, Chief, Consumer Statistics Division, SBJ Mr. Hiroyuki Kaneko, Chief, Consumer Statistics Division, SBJ
		14:00-15:30		Evaluation and Completion Ceremony	JICA HQ Staff, Kazuhiko Matsuo
Oct. 14	Sat.	22:00	Leaving Tokyo	EK319	
Oct. 15	Sun.	10:05	Arriving at Cairo	EK927	

Project on Developing Statistical Quality System at CAPMAS					
Schedule of the Second Country-Focused Training in Japan (A Group)					
Tentative as of February 1, 2018					
Date	Time	Venue	Training Subject	Lecturer	
Feb. 11	Sun.	13:35 EY654	Leaving Cairo		
Feb. 12	Mon.	12:45 EY878	Arriving at Tokyo		
Feb. 13	Tue.	10:30-12:00	JICA Tokyo	Briefing	
		13:30-15:00	International Center (TIC)	Course Orientation	
		15:30-17:00		Fundamental Principles of Official Statistics	JICA TIC Staff Kazuhiko Matsuo, Chief Advisor Mr. Takao Itou, ex- Director General, GDPP
Feb. 14	Wed.	10:30-10:50 11:00-11:30	Statistics Bureau of Japan (SBJ)	Courtesy call to the DG Observation tour to Statistical Museum	
		13:10-14:40		Outline of Statistics Bureau (incl. CAPMAS outline presentation)	Mr. Yosuke Akashi, Chief, General Affairs Div. SBJ
		15:00-16:30		Outline of Office of the Director-General of Policy Planning (Statistical Standards)	Mr. Ryouosuke Kurematsu, Chief, Statistical Planning Affairs Div., DGPP
Feb. 15	Thu.	10:00-10:20	National Statistics Center (NSTAC)	Courtesy call on President	
		10:30-11:20		Outline of National Statistics Center	Dr. Hiroe Tsubaki, President, NSTAC Ms. Yuko Nishio, Chief, Corporate Development Office, NSTAC
		11:30-12:00		Observation of National Statistics Center's Facilities	Mr. Mitsuhiro Wada, Chief, Information Management Division, NSTAC
		13:10-14:40		SBJ	Outline of Family Income and Expenditure Survey and discussion (incl. Egyptian HIECS presentation)
		15:00-16:30	Outline of Survey of Household Economy		Mr. Takumi Nakamoto, Chief, Consumer Statistics Division, SBJ Mr. Yusuke Takakura, Chief, Consumer Statistics Division, SBJ
Feb. 16	Fri.	10:00-11:00 11:00-12:00	NSTAC	Outline Data Scrutiny and Data Processing of Family Income and Expenditure Survey	
		13:10-14:40	SBJ	Demarcation of Enumeration Area of Population Census Outline of Online Survey System of 2015 Population Census	
		15:00-16:30			
Feb. 17	Sat.		Holiday		
Feb. 18	Sun.		Holiday		
Feb.19	Mon.	AM		Move to Hikone (Shiga Pref.) (Tokyo 10:33- Maibara 12:44: Hikari509)	
		14:00-14:20 14:40-16:00	Shiga University	Courtesy Call to the President of U. Active use for political issue of official statistics (lecture and discussion)(incl. CAPMAS outline presentation)	
Feb.20	Tue.	10:00-12:00	Shiga University	Data science for official statistician (lecture and discussion)	
		PM		Sightseeing, Move to Kyoto	
Feb. 21	Wed.	9:30-12:00	Kyoto Pref.	Outline of Statistical Activities in Kyoto Pref.	
		PM		Sightseeing, Move to Tokyo (Kyoto 15:45- Tokyo 18:03: Nozomi 236)	
Feb. 22	Thu.	10:00-12:00	SBJ	e-stat and statistical GIS	
		13:10-14:40 15:00-16:30		Outline of Census Mapping System (CMS) Outline of Grid Square Statistics (Mesh) (Inc. Egyptian GIS presentation)	Mr. Yuichiro Yagi, Staff, Office of Director for Management of Statistical Information, SBJ Mr. Yoshihisa Mikawa, Chief, Geographic Information Office, SBJ Ms. Noriko Takeda, Chief, Geographic Information Office, SBJ

Feb. 23	Fri.	10:00-10:20 10:30-12:00	SIAP	Opening and group photo Outline of data analysis	Dr. Ashish Kumar, Director Dr. Miriam Hodge, Lecturer
		13:00-16:00 16:10-16:20		Presentation on CAPMAS activities and discussion Closing	SIAP Lecturers Dr. Ashish Kumar
Feb. 24	Sat.		Holiday		
Feb. 25	Sun.		Holiday		
Feb. 26	Mon.	10:00-12:00	SBJ	Outline of Population Estimates	Ms. Chitomi Motohashi, DD, Population Census Division, SBJ Ms. Junko Suzuki, Chief, Population Census Division, SBJ
		13:10-14:40		Outline of Population Census and its future vision	Mr. Noriaki Hatori, DD, Population Census Division, SBJ Mr. Yoshiyuki Takano, DD, Population Census Division, SBJ
		17:00-18:30	JICA TIC	Economic analysis using CAPMAS data and discussion	Dr. Erina Iwasaki, Professor Sophia University
Feb. 27	Tue.	10:00-12:00	SBJ	Outline of Population Census quality control	Mr. Noriaki Hatori, DD, Population Census Division, SBJ Ms. Fumika Akutsu, Chief, Population Census Division, SBJ
		13:10-14:40		Outline of Labor Force Survey (including sampling)	Ms. Keiko Nagai, DD, Labor Force Statistics Office, SBJ Mr. Daisuke Oda, Chief, Labor Force Statistics Office, SBJ
		15:00-16:30		Methodology of LFS and discussion (including Egyptian LFS)	Mr. Hiroki Yoshida, DD, Labor Force Statistics Office, SBJ Mr. Hiroyuki Wada, Labor Force Statistics Office, SBJ
Feb. 28		10:00-11:00	SBJ	Sampling method (Basic)	Mr. Nobuyuki Sakashita, Professor, Statistical Research and Training Institute
		11:10-12:00		Sampling method (master sampling in Egypt and discussion)	Mr. Yoshiyuki Kobayashi, Professor, Statistical Research and Training Institute Mr. Hiroshi Tada, Chief, Survey Planning Division, SBJ
		13:10-14:40		Outline of Survey on Time Use and Leisure Activities	Ms. Akiko Osawa, DD, Labor Force Statistics Office, SBJ Mr. Hironori Yano, Chief, Labor Force Statistics Office, SBJ Ms. Miyuki Jabana, Chief, Labor Force Statistics Office, SBJ
		15:00-16:30		Outline of System of Social and Demographic Statistics (SSDS)	Ms. Mari Nakamura, Chief, Statistics Utilization Promotion Division, SBJ
Mar. 1	Thu.	10:00-12:00	JICA TIC	Small area analysis using GIS data (1)(incl. Egyptian GIS presentation)	Statistical Information Institute for Consulting and Analysis (SINFONICA); Mr. Jun Konishi, Ms. Tomoko Tamura
		13:10-16:30		Small area analysis using GIS data (2)	
Mar. 2	Fri.	10:00-12:00	Embassy of Egypt	Courtesy call to the Ambassador and discussion on the Census result	Ambassador, Excellency Mr. Ayman Aly Kamel
		14:00-15:30	JICA TIC	Evaluation and Completion Ceremony	JICA HQ Staff, Kazuhiko Matsuo
Mar. 3	Sat.	17:30 EY871	Leaving Tokyo		
Mar. 4	Sun.	5:30 EY651	Arriving at Cairo		

Project on Developing Statistical Quality System at CAPMAS				
Schedule of the Second Country-Focused Training in Japan (B Group)				
				Tentative as of February 1, 2018
Date	Time	Venue	Training Subject	Lecturer
Feb. 11	Sun.	13:35 EY654	Leaving Cairo	
Feb. 12	Mon.	12:45 EY878	Arriving at Tokyo	
Feb. 13	Tue.	10:30-12:00	JICA Tokyo	Briefing
		13:30-15:00	International Center (TIC)	Course Orientation
		15:30-17:00		Fundamental Principles of Official Statistics
Feb. 14	Wed.	10:30-10:50	Statistics Bureau of Japan (SBJ)	Courtesy call to the DG
		11:00-11:30		Observation tour to Statistical Museum
		13:10-14:40		Outline of Statistics Bureau (incl. CAPMAS outline presentation)
		15:00-16:30		Outline of Office of the Director-General of Policy Planning (Statistical Standards)
Feb. 15	Thu.	10:00-10:20	National Statistics Center (NSTAC)	Courtesy call on President
		10:30-11:20		Outline of National Statistics Center
		11:30-12:00		Observation of National Statistics Center's Facilities
		13:10-14:40	SBJ	Outline of Economic Census (Business Frame)(Rolling Census)
		15:00-16:30		Outline of Economic Census (Business Activity) and discussion (incl. Egyptian Economic Census presentation)
Feb. 16	Fri.	10:00-11:00	NSTAC	Outline of Data Scrutiny and Data Processing of Economic Census
		11:00-12:00		
		13:10-14:40	SBJ	Demarcation of Enumeration Area of Economic Census
		15:00-16:30		Outline of Online Survey System of Economic Census for Business Activity
Feb. 17	Sat.		Holiday	
Feb. 18	Sun.		Holiday	
Feb. 19	Mon.	AM		Move to Hikone (Shiga Pref.) (Tokyo 10:33- Maibara 12:44: Hikari 509)
		14:00-14:20	Shiga University	Courtesy Call to the President of Shiga Univ.
		14:40-16:00		Active use for political issue of official statistics (lecture and discussion)(incl. CAPMAS outline presentation)
Feb. 20	Tue.	10:00-12:00	Shiga University	Data science for official statistician (lecture and discussion)
		PM		Sightseeing, Move to Kyoto
Feb. 21	Wed.	9:30-12:00	Kyoto Pref.	Outline of Statistical Activities in Kyoto Pref.
		PM		Sightseeing, Move to Tokyo (Kyoto 15:45- Tokyo 18:03: Nozomi 236)
Feb. 22	Thu.	10:00-12:00	SBJ	e-stat and statistical GIS
		13:10-14:40		Outline of Census Mapping System (CMS)
		15:00-16:30		Outline of Grid Square Statistics (Mesh)(incl. Egyptian GIS presentation)

Feb. 23	Fri.	10:00-10:20 10:30-12:00	SIAP	Opening and group photo Outline of data analysis	Dr. Ashish Kumar, Director Dr. Miriam Hodge, Lecturer
		13:00-16:00 16:10-16:20		Presentation on CAPMAS activities and discussion Closing	SIAP Lecturers Ashishi Kumar, Director
Feb. 24	Sat.		Holiday		
Feb. 25	Sun.		Holiday		
Feb. 26	Mon.	10:00-12:00	SBJ	CPI, Retail Price Survey and discussion (including PDA demonstration)	Ms. Ayumi Maruyama, DD, Price Statistics Office, SBJ Mr. Kenichiro Furuichi, Chief, Price Statistics Office, SBJ Mr. Taro Nakayama, Chief, Price Statistics Office, SBJ Mr. Kazuki Izumi, Staff, Price Statistics Office, SBJ
		13:10-14:40			Outline of Establishment Frame Database (Business Register)
		17:00-18:30	JICA TIC	Economic analysis using CAPMAS data and discussion	Dr. Erina Iwasaki, Professor Sophia University
Feb. 27	Tue.	10:00-10:50 11:00-12:00	Bank of Japan (BOJ)	Outline of Statistical Activities in BOJ Outline of Trade in Service	Research and Statistics Dep., BOJ
		13:10-15:30		Outline of PPI, Service Price Index and discussion (incl. Egyptian PPI presentation)	
Feb. 28		10:00-10:50	Ministry of Economy, Trade and Industry (METI)	Outline of Statistical Activities in METI	Mr. Hidekazu Tamura, Deputy Director, Research and Analysis Support Office Mr. Atsushi Furuya, Assistant Director, Structural Statistics Office
		11:00-12:00		Outline of Census of Commerce	
		13:10-14:40 14:50-16:00		Outline of Census of Manufacture (including Egyptian Economic Census presentation) Outline of Online survey of Census of Manufacture and Grid Square Statistics (Mesh)	
Mar. 1	Thu.	10:00-12:00	JICA TIC	Small area analysis using GIS data (1)(incl. Egyptian GIS presentation)	Statistical Information Institute for Consulting and Analysis (SINFONICA): Mr. Jun Konishi, Ms. Tomoko Tamura
		13:10-16:30		Small area analysis using GIS data (2)	
Mar. 2	Fri.	10:00-12:00	Embassy of Egypt	Courtesy call to the Ambassador and discussion on the Census result	Ambassador, Excellency Mr. Ayman Aly Kamel
		14:00-15:30	JICA TIC	Evaluation and Completion Ceremony	JICA HQ Staff, Kazuhiko Matsuo
Mar. 3	Sat.	17:30 EY971	Leaving Tokyo		
Mar. 4	Sun.	5:30 EY651	Arriving at Cairo		

Project on Developing Statistical Quality System at CAPMAS				
Schedule of the Third Country-Focused Training in Japan				
				Tentative as of October 1, 2018
Date	Time	Venue	Training Subject	Lecturer
Sep. 29	Sat.	18:40	Leaving Cairo	EK0924
Sep. 30	Sun.			(Stay in Dubai due to flight delay)
Oct. 1	Mon.	14:50	Arriving at Tokyo	EK0318
		18:00-18:30	JICA Tokyo International	Short briefing
				JICA TIC Staff
Oct. 2	Tue.	10:30-12:00	Statistics Bureau of Japan (SBJ)	Outline of Statistics Bureau (incl. CAPMAS outline presentation) after session: Course short orientation
		13:10-13:30 13:30-14:00		Courtesy call on the DG Observation tour of Statistical Museum
		14:30-16:00		Outline of Office of the Director-General of Policy Planning (Statistical Standards)
				Ms. Miwa Eto, Section Chief, General Affairs Div., Mr. Kazuhiko Matsuo, Chief Advisor
				Mr. Masato Chino, DG, SBJ, MIC Mr. Shigeyuki Arai, Head, Statistical Museum, SBJ
				Mr. Taiki Matsui, Section Chief, Office for Statistical Planning Management, DGPP-SS
Oct. 3	Wed.	10:00-10:20	National Statistics Center (NSTAC)	Courtesy call on Directors
		10:30-11:20		Outline of National Statistics Center
		11:30-12:00		Observation of National Statistics Center's facilities
		13:10-14:40	SBJ	Outline of Family Income and Expenditure Survey and discussion (incl. Egyptian HIECS presentation)
		15:00-16:30		Outline of Survey of Household Economy and
				Mr. Akitoshi Ito, Vice President, NSTAC Mr. Takashi Inoue, Vice President, NSTAC
				Mr. Susumu Kubo, Deputy Director, Corporate Development Dep., NSTAC
				Mr. Kensuke Ono, Section Chief Mr. Mitsuhiro Wada, Section Chief Information Management Div., NSTAC
Oct. 4	Thu.	10:00-12:00	NSTAC	Outline of data scrutiny and data processing of Family Income and Expenditure Survey
		13:10-14:40	SBJ	Demarcation of enumeration area of Population Census
		15:00-16:30		Outline of Online Survey System of 2015 Population Census
				Ms. Yukari Sadasue Ms. Itsuko Koike, Assistant Director Statistical Data Processing Policy Div., NSTAC
				Ms. Ayako Watanabe, Section Chief Mr. Toshiro Kumagai, Deputy Director Population Census Div., SBJ
Oct. 5	Fri.	10:00-12:00	IPSS	Population projection in the future (method of population projection) (incl. Egyptian Population Projection presentation)
		13:30-16:00	JICA TIC	Small area analysis using GIS data (incl. demonstration)
		16:15-17:30		Household Panel Survey in Egypt
				Dr. Motomi Beppu, Senior Researcher, Dep. of Information Collection and Analysis, National Institute of Population and Social Security Research
				Ms. Jun Konish, Chief Researcher, Statistical Information Institute for Consulting and Analysis, SINFONICA
				Dr. Erina Iwasaki, Professor, Sophia University
Oct. 6	Sat.		Holiday	
Oct. 7	Sun.		Holiday	
Oct. 8	Mon.	PM	Holiday, Move	Move to Wakayama Pref.
Oct. 9	Tue.	9:30-12:00	Wakayama Pref.	Outline of statistical activities in Wakayama Pref. (incl. discussion with enumerators)
		14:00-15:30	Kao Wakayama	Observation tour of Kao Wakayama Factory (Chemical products)
				Kao Wakayama Factory
Oct. 10	Wed.	10:00-12:00	SDUC	Outline of Statistical Data Utilization Center (in Wakayama)
		PM	Move	Move to Tokyo
				Mr. Seitaro Tanimichi, Head, Statistical Data Utilization Center, SBJ
Oct. 11	Thu.	10:00-12:00	SBJ	e-Stat and statistical GIS
		13:10-14:40		Outline of Census Mapping System (CMS)
		15:00-16:30		Outline of Grid Square Statistics (Mesh) (Inc. Egyptian GIS presentation)
				Mr. Yuichiro Yagi, Office of Director for Management of Statistical Information Systems, SBJ
				Mr. Yoshihisa Mikawa, Section Chief Ms. Kaoru Kamemoto, Section Chief Geographic Information Office, SBJ

Oct. 12	Fri.	10:00-12:00	SBJ	Data science for official statisticians (Big data and official statistics; discussion)	Mr. Tomoaki Ogawa, Deputy Director, Consumer Statistics Div., SBJ
		13:10-14:10 14:20-15:20 15:30-16:30		Outline of Labor Force Survey (incl. sampling) Methodology of LFS and discussion (incl. Egyptian LFS presentation) Outline of Employment Status Survey	Mr. Shinpei Hayakawa, Section Chief Mr. Daisuke Oda, Section Chief Ms. Mie Shimizu, Section Chief Labor Force Statistics Office, SBJ
Oct. 13	Sat.			Holiday	
Oct. 14	Sun.		Holiday		
Oct. 15	Mon.	10:00-12:00	SBJ	Technical outline of Open data Approach to Open data strategy	Mr. Shoki Nishimura, Deputy Director, Official Statistics Information Systems Div., NSTAC
		13:10-14:10		Demonstration of how to use API (Application Programming Interface) function	
		14:20-16:30		Outline of Survey on Time Use and Leisure Activities (incl. Egyptian situation on Time Use Survey presentation)	Ms. Miyuki Jahana, Section Chief, Labor Force Statistics Office, SBJ
Oct. 16	Tue.	10:00-11:00	SBJ	Sampling method (Basic)	Mr. Nobuyuki Sakashita, Researcher, Statistical Research and Training Institute
		11:10-12:00		Sampling method (current situation of master sampling in Egypt and discussion)	Mr. Nobuyuki Sakashita, Researcher Mr. Yoshiyuki Kobayashi, Professor Statistical Research and Training Institute Mr. Daisuke Oda, Section Chief Labor Force Statistics Office, SBJ
		13:30-16:00	MHLW	Outline of statistical activity of Ministry of Health, Labour and Welfare(MHLW) Outline of Vital Statistics Outline of Comprehensive Survey of Living Conditions	Mr. Yoshikatsu Sasaki, Deputy Director Mr. Satoshi Idomoto, Deputy Director Mr. Takashi Kawada, Deputy Director Ministry of Health, Labour and Welfare
Oct. 17	Wed.	10:00-12:00	SBJ	Discussion on Population Census quality improvement (incl. age-cohort analysis in Egypt)	Ms. Keiko Nagai, Deputy Director Mr. Taiki Tsukamoto, Section Chief Population Census Div., SBJ
		13:10-16:00		Presentation and Discussion session on the future statistical activity of CAPMAS	SBJ, NSTAC, DGPP staff
Oct. 18	Thu.	11:00-12:00	Embassy of Egypt	Courtesy call on the Ambassador and discussion on the Census result	Ambassador, Excellency Mr. Ayman Aly Kamel
		14:00-15:30	JICA TIC	Evaluation and Completion Ceremony	JICA HQ Staff, Mr. Kazuhiko Matsuo
Oct. 19	Fri.	22:00	Leaving Tokyo	EK0319	
Oct. 20	Sat.	10:05	Arriving at Cairo	EK0927	

Project on Developing Statistical Quality System at CAPMAS Schedule of the Fourth Country-Focused Training in Japan					Tentative as of June 23, 2019
Date	Time	Venue	Training Subject	Lecturer	
Jun. 29	Sat.	18:40	Leaving Cairo	EK924	
Jun. 30	Sun.	17:35	Arriving at Tokyo	EK318	
Jul. 1	Mon.	10:00-12:00	JICA Tokyo International Center (TIC)	Briefing	JICA TIC Staff
		13:30-15:30		Course Orientation	Mr. Kazuhiko Matsuo, Chief Advisor
Jul. 2	Tue.	10:30-11:00	Statistics Bureau of Japan (SBJ)	Briefing on SBJ	Mr. Kazuhiko Matsuo, Chief Advisor & SBJ International team
		11:00-12:00		Observation tour to Statistical Museum	
		13:10-14:20		Outline of Statistics Bureau (incl. CAPMAS outline presentation)	Ms. Fumika Akutsu, General Affairs Div. SBJ
		14:40-16:00		Outline of Office of the Director-General of Policy Planning (Statistical Standards)	Mr. Jun Suzuki, Statistical Planning Affairs Div., DGPP
Jul. 3	Wed.	10:30-11:20	National Statistics Center (NSTAC)	Outline of National Statistics Center	Ms. Yasuko Horita, Corporate Development Div., General Affairs Department, NSTAC
		11:30-12:00		Observation of National Statistics Center's Facilities	Mr. Kensuke Ono, Information Systems Policy Planning Div., Statistical Information Systems Department, NSTAC Mr. Yutaka Abe, Statistical Information and Microdata Provision Div., Information Technology Center, NSTAC
		13:10-14:40 15:00-16:30	SBJ	Outline of Economic Census (Business Frame) Outline of Economic Census (Business Activity) and discussion (incl. Egyptian Economic Census current situation presentation)	Mr. Takashi Ioka, Statistics Production Support Div., SBJ Mr. Takahiro Naito, Economic Statistics Div., SBJ
Jul. 4	Thu.	11:30-12:15	Embassy of Egypt	Courtesy call on Ambassador and discussion on CAPMAS activities	Ambassador, Excellency Mr. Ayman Aly Kamel
		13:10-14:20	SBJ	Outline of Statistical GIS Data	Ms. Yumi Takizawa, Geographic Information Office, SBJ
		14:30-15:40		e-stat and JSTAT Map	Mr. Yuichiro Yagi, Office of Director for Management of Statistical Information, SBJ
		15:50-16:50		Demarcation of Enumeration Area of Economic Census	Mr. Masaya Akatsu, Statistics Production Support Division, SBJ
Jul. 5	Fri.	10:00-12:00	SBJ	Outline of Government Online Survey System	Mr. Motohito Yunome, Official Statistics Information Systems Division, Statistical Information Systems Department, NSTAC
		13:10-16:00		Statistical use of Big data (Data science of official statistician)	Mr. Susumu Kubo, Consumer Statistics Div. SBJ
Jul. 6	Sat.		Holiday		
Jul. 7	Sun.		Holiday		
Jul. 8	Mon.	10:00-10:40	Ministry of Economy, Trade and Industry (METI)	Outline of Statistical Activities in METI	Mr. Hidekazu Tamura, Research and Analysis Support Office, METI Mr. Hironari Anzai, Structural Statistics Office, METI
		10:45-12:00		Outline of Census of Manufacture	
		13:10-14:40 14:50-16:20		Outline of Indices of Industrial Production New initiative for statistical data collection using Big data	Ms. Kumiko Watanabe, Economic Analysis Office, METI Mr. Toshiki Ishikawa, Research and Analysis Support Office, METI & Mr. Kazumasa Takahashi, Service Industry Survey Office, METI
Jul. 9	Tue.	10:00-12:00	SBJ	Outline of CPI, Outline of Retail Price Survey (including PDM demo) and discussion (incl. Egyptian CPI presentation)	Ms. Nami Takahashi, Price Statistics Office, SBJ & Ms. Natsumi Kizaki, Price Statistics Office, SBJ
		13:10-13:30		Courtesy call on DG, SBJ	Mr. Masato Chino, Director-General, SBJ
		14:00-14:20		Courtesy call on President, NSTAC	Mr. Takayuki Sasajima, President, NSTAC
		15:00-16:30		Economic Structural Survey	Mr. Yasuyuki Aida, Economic Statistics Div. SBJ
Jul.10	Wed.	10:00-12:00	NSTAC	Auto coding for Industrial Classification	Ms. Keiko Takahashi, Statistical Classification Policy Division, Statistical Data Processing Department, NSTAC
		13:30-15:30	SRTI	Outline of Statistical Research and Training Institute (including observation tour of facility)	Mr. Manabu Hirasawa, Statistical Research and Training Institute, SBJ
Jul.11	Thu.		Move	Move to Wakayama	
		14:00-15:30	SDUC Move	Outline of Statistical Data Utilization Center Move to Kyoto	Mr. Seitaro Tanimichi, Statistical Data Utilization Center, SBJ
Jul.12	Fri.	9:30-12:00	Shiga Pref.	Outline of statistical activities in Shiga Prefecture	Ms. Junko Hirose, Statistics Div. Shiga Prefecture
		13:30-16:00	Shiga Univ.	Data Science for official statistician	Prof. Naoki Makita, Shiga University

Jul.13	Sat.		Holiday, Move	Handicraft Center and Kinkakuji, Move to Tokyo	
Jul.14	Sun.		Holiday		
Jul.15	Mon.		Holiday		
Jul.16	Tue.	10:00-12:00	NSTAC	Technical outline of Open data Approach to Open data strategy (API, LOD)	Mr. Shoki Nishimura, Information Systems Policy Planning Division, Statistical Information Systems Department, NSTAC
		13:10-14:10		Demonstration of how to use API (Application Programming Interface) function	
		14:30-16:00		SBJ	
Jul.17	Wed.	10:00-12:00	Cabinet Office	Outline of Annual GDP estimation	Mr. Takuya Yoshimura, Economic and Social Research Institute, Cabinet Office
		13:10-14:20		Outline of Quarterly Estimates (quarterly GDP estimation)	Mr. Kenta Nomura, Economic and Social Research Institute, Cabinet Office
		14:30-15:40		Outline of Index of Business Condition (Diffusion Index)	Ms. Yasuko Ikemoto, Economic and Social Research Institute, Cabinet Office
Jul.18	Thu.	11:00-12:00	TIC	Wrap up and discussion	Mr. Kazuhiko Matsuo, Chief Advisor
		14:00-15:30		Evaluation and Completion Ceremony	JICA HQ Staff, Kazuhiko Matsuo
Jul.19	Fri.	22:00	Leaving Tokyo	EK319	
Jul.20	Sat.	10:05	Arriving at Cairo	EK927	

Note:

Plan of Operation as October 2019 is attached below.

PLAN OF OPERATION (AS OF OCTOBER 2019)

Project Title: Project for Developing Statistical Quality System at CAPMAS		2015																																																2016																																																2017																																																2018																																																2019																																																Remarks	Monitoring	
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Output 1: Statistical planning, fieldwork and data processing are implemented effectively and with high quality using necessary IT application.																																																																																																																																																																																																																																																				
1.1 Assess on the training need of CAPMAS staff.																																																																																																																																																																																																																																																				
1.2 Share on Japan's experience and provide advice on statistical planning, fieldwork and data processing.																																																																																																																																																																																																																																																				
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1.4 Provide advice and training on E-Census and e-survey system.																																																																																																																																																																																																																																																				
1.5 Provide advice on work management for implementing the Censuses and other statistical studies.																																																																																																																																																																																																																																																				
Output 2: The capacity on sampling method is improved in quality.																																																																																																																																																																																																																																																				
2.1 Provide advice and training on sampling method.																																																																																																																																																																																																																																																				
2.2 Support on improving sampling methods for the Censuses, (e.g. designing, sample selection and application)																																																																																																																																																																																																																																																				
Output 3: Accuracy check of the result of the Census 2017 data (including advice of the post-enumeration survey method and quality control) is conducted properly in accordance with the international standards.																																																																																																																																																																																																																																																				
3.1 Provide advice and training on accuracy check (including post-enumeration survey method and quality control).																																																																																																																																																																																																																																																				
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ANNEX 2: List of Products (Report, Manuals, Handbooks, etc.)

Produced by the Project

- 1) **Census 2017 Methodology Manual (English)**
- 2) **Household Income, Expenditure and Consumption Survey 2015 (Japanese)**
- 3) **Time Use Survey Report (Japanese)**
- 4) **Labor Force Survey Enumerator's Manual 2015 (Japanese)**
- 5) **Material: Labor Force Survey 2017 (Japanese)**
Appendix: (a) (b) (c) (d) (Japanese)
- 6) **5th Economic Census Survey Manual 2017/2018 (English)**

ANNEX 3: PDM (All versions of PDM)

- **Version 0 (September 2, 2015)**
- **Version 1 (December 22, 2015)**
- **Version 2 (April 9, 2017)**
- **Version 3 (June 28, 2018)**

Project Title: Project for Developing Statistical Quality System at CAPMAS

Version 0

Implementing Agency: Central Agency for Public Mobilization and Statistics (CAPMAS)

Dated: 02/September/2015

Period of Project (tentative): December 2015 – November 2018 (3 years)

Project Site: Cairo, Egypt

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption
Overall Goal	1. The Census result with improved quality is utilized for policy making by the concerned ministries and relevant agencies in Egypt within 3 years of project completion. 2. The result of the Census 2016 with improved quality is utilized for other statistical studies undertaken by CAPMAS within 3 years of project completion.	1. CAPMAS internal references 2. CAPMAS internal references	
Policy relevance is enhanced with improved quality of statistical studies in Egypt			
Project Purpose	1. Guideline/manuals on Census management (e.g., data processing, E - Census, utilization of tablet devices, sampling, post-enumeration survey) is updated/improved.	1. CAPMAS internal references	- Policy makers understand the significance of statistical information. - The trained counterpart staff play an active role in the organization
Capacity of CAPMAS to effectively manage the Census 2016 and other statistical studies is strengthened.			
Outputs	1-1. No. of advice and training conducted. 1-2. The trainees are satisfied with the training. 1-3. Application of the advice and training for statistical planning, fieldwork and data processing. 2-1. No. of trainings conducted. 2-2. The level of understanding of CAPMAS staff on Japan's practice on sampling methods for statistical studies increases. 2-3. The level of understanding of CAPMAS staff on the improved master sampling method is improved. 3-1. No. of advice and training conducted. 3-2. The level of understanding of CAPMAS staff on the practice of post -enumeration survey increases. 3-3. Application of the advice and training for conducting the post -enumeration survey for the Census 2016.	1-1. Project references 1-2. Project references 1-3. Project references 2-1. Project references 2-2. Project references 3-1. Project references 3-2. Project references 3-3. Project references	- The trained counterpart staff play an active role in the organization - Sufficient budget and staff is allocated for CAPMAS - Public support and cooperate with the data collection for the Census.
1. Statistical planning, fieldwork and data processing are implemented effectively and with high quality using IT application.			
2. The capacity on sampling method is improved in quality.			
3. The post -enumeration survey is conducted properly in accordance with the international standards.			
Activities	Inputs	Important Assumption	
1-1. Assess on the training need of CAPMAS staff. 1-2. Share on Japan's experience and provide advice on statistical planning, fieldwork and data processing. 1-3. Provide training for efficient implementation of statistical planning, fieldwork and data processing (Eg. data entry / loading and cleaning) 1-4. Provide advice and training on E - Census system. 1-5. Provide advice on work management for implementing the Census 2016. 2-1. Provide advice and training on sampling method. 2-2. Support on improving sampling methods for the Census 2016. (Eg. designing, sample selection and application) 3-1. Provide advice and training on post-enumeration survey. 3-2. Support on implementing post -enumeration survey by CAPMAS for the Census 2016.	<p><u>Egyptian Side</u> The Egyptian side will provide resources as follows.</p> <p>a. Human resources that may consist of (i) Project Director (Under Secretary for President Office Affairs, CAPMAS); (ii) Sub -Project Director (Director General of International Cooperation Department, CAPMAS); (iii) Project Manager (CAPMAS President Advisor); (iv) Sub-Project Manager (International Cooperation Department)</p> <p>b. Experts in statistics in Egypt c. Office space for resident advisor, if necessary d. Supporting fund for CAPMAS staff to assist the project implementation (based on needs) e. Contact with Egyptian government and foreign counterparts</p> <p><u>Japanese Side</u> The Japanese side will provide resources as follows.</p> <p>a. Long Term Expert (Project Coordinator (Work Management / Quality Control)) b. Short Term Expert: (IT (Data Processing), Post Enumeration Survey (Processing / Matching) etc.) c. Study Visit / Country-Focused Training d. Seminar / Workshop / Training e. Equipment f. A part of the operational costs for implementing activities (Ex. Costs for experts activities)</p>	<p>- The trained counterpart staff play an active role in the organization - Sufficient budget and staff is allocated for CAPMAS</p> <p><Pre-conditions> - The Census for 2016 is conducted with no major change in the schedule. - The organization of CAPMAS is not reformed / rearranged that may affect the project activities. - The security condition of Egypt is not deteriorated.</p>	

Project Title: Project for Developing Statistical Quality System at CAPMAS

Version 1

Implementing Agency: Central Agency for Public Mobilization and Statistics (CAPMAS)

Dated: 22/December/2015

Period of Project (tentative): December 2015 – November 2018 (3 years)

Project Site: Cairo, Egypt

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption
Overall Goal	1. The result of the Census 2016 and other statistical studies with improved quality is utilized for policy making by the concerned ministries and relevant agencies in Egypt within 3 years of project completion.	1. CAPMAS internal references	
Policy relevance is enhanced with improved quality of statistical studies in Egypt			
Project Purpose	1. Based on the result of the Census 2016 with improved quality, sampling framework (master sample) necessary to conduct other statistical studies (sample studies) is properly designed. 2. Guideline/manuals on Census management (e.g. data processing, E-Census, utilization of tablet devices, sampling, post-enumeration survey) is updated/improved. 3. The coverage rate of the 2016 Census to be measured by the post-enumeration survey increases compared to that of the 2006 Census (83.6%).	1. CAPMAS internal references 2. CAPMAS internal references 3. CAPMAS internal references	- Policy makers continue to understand the significance of statistical information.
Capacity of CAPMAS to effectively manage the Census 2016 and other statistical studies is strengthened.			
Outputs	1-1. No. of advice and training conducted. 1-2. The trainees are satisfied with the training. 1-3. Application of the advice and training for statistical planning, fieldwork and data processing. 2-1. No. of trainings conducted. 2-2. The level of understanding of CAPMAS staff on Japan's practice on sampling methods for statistical studies increases. 2-3. The level of understanding of CAPMAS staff on the improved master sampling method is improved. 3-1. No. of advice and training conducted. 3-2. The level of understanding of CAPMAS staff on the practice of post-enumeration survey increases. 3-3. Application of the advice and training for conducting the post-enumeration survey for the Census 2016.	1-1. Project references 1-2. Project references 1-3. Project references 2-1. Project references 2-2. Project references 3-1. Project references 3-2. Project references 3-3. Project references	- Public support and cooperate with the data collection for the Census. - The security condition of Egypt is stable.
1. Statistical planning, fieldwork and data processing are implemented effectively and with high quality using IT application.			
2. The capacity on sampling method is improved in quality.			
3. The post-enumeration survey for the Census 2016 is conducted properly in accordance with the international standards.			
Activities	Inputs		Important Assumption
1-1. Assess on the training need of CAPMAS staff. 1-2. Share on Japan's experience and provide advice on statistical planning, fieldwork and data processing. 1-3. Provide training for efficient implementation of statistical planning, fieldwork and data processing (Eg. data entry / loading and cleaning) 1-4. Provide advice and training on E - Census system. 1-5. Provide advice on work management for implementing the Census 2016. 2-1. Provide advice and training on sampling method. 2-2. Support on improving sampling methods for the Census 2016. (Eg. designing, sample selection and application) 3-1. Provide advice and training on post-enumeration survey. 3-2. Support on implementing post - enumeration survey by CAPMAS for the Census 2016.	<u>Egyptian Side</u> The Egyptian side will provide resources as follows. a. Human resources that may consist of (i) Project Director (Under Secretary for President Office Affairs, CAPMAS); (ii) Sub -Project Director (Director General of International Cooperation Department, CAPMAS); (iii) Project Manager (CAPMAS President Advisor); (iv) Sub-Project Manager (International Cooperation Department) b. Experts in statistics in Egypt c. Office space for resident advisor, if necessary d. Supporting fund for CAPMAS staff to assist the project implementation (based on needs) e. Contact with Egyptian government and foreign counterparts <u>Japanese Side</u> The Japanese side will provide resources as follows. a. Long Term Expert (Project Coordinator (Work Management / Quality Control)) b. Short Term Expert: (IT (Data Processing), Post Enumeration Survey (Processing / Matching) etc.) c. Study Visit / Country-Focused Training d. Seminar / Workshop / Training e. Equipment (such as Tablets and vehicles for studies) f. A part of the operational costs for implementing activities (Ex. Costs for experts activities)		- The security condition of Egypt is Stable. <Pre-conditions> - The Census for 2016 is conducted with no major change in the schedule. - The organization of CAPMAS is not reformed / rearranged that may affect the project activities.

Project Title: Project for Developing Statistical Quality System at CAPMAS
 Implementing Agency: Central Agency for Public Mobilization and Statistics (CAPMAS)
 Period of Project: March 20, 2016 – March 19, 2019 (3 years)
 Project Site: Cairo, and other regions in Egypt, approved by JICA Security Guideline

Version 2
 Dated: 9/April/2017

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption
Overall Goal	1. The result of the Census 2017 and other statistical studies with improved quality is utilized for policy making by the concerned ministries and relevant agencies in Egypt within 3 years of project completion.	1. Execution plan, Mid-term plan (Sustainable Development Strategy Egypt Vision 2030 etc.)	
Policy relevance is enhanced with improved quality of statistical studies in Egypt	1. Based on the result of the Census 2017 with improved quality, sampling framework necessary to conduct other statistical studies (sample studies) is properly designed.	1. CAPMAS internal references on sample surveys	- Policy makers continue to understand the significance of statistical information.
Project Purpose	2. Guideline/manuals on Census es (including Economic Census) and other statistical studies management (e.g. data processing, E-Census and e -survey, utilization of tablet devices, sampling, data accuracy check) is updated/improved.	2. Guideline/manuals on Censuses and other statistical studies	
Capacity of CAPMAS to effectively manage the Census 2017 and other statistical studies is strengthened.	3. The accuracy of the 2017 Census to be measured by the accuracy check method s is improved compared to that of the 2006 Census.	3. Reports on accuracy check results (age cohort analysis, comparison with other statistical data, post -enumeration survey, quality control etc.)	
Outputs	1-1. The advice and training result are applied to statistical planning, fieldwork and data processing.	1-1. Reports mentioned in 1 -2,1-3,1-4 / Observation and interview with CAPMAS staff (Project reports)	- Public support and cooperate with the data collection for the Census.
1. Statistical planning, fieldwork and data processing are implemented effectively and with high quality using necessary IT application.	1-2. Monthly basis Labor Force Survey is conducted from quarterly basis.	1-2. Report of Labor Force Survey	- The security condition of Egypt is stable.
2. The capacity on sampling method is improved in quality.	1-3. E-Commerce and Trade in -service data are included in the surveys.	1-3. Report of Economic Census or Economic survey	
3. Accuracy check of the result of the Census 2017 data (including advice of the post-enumeration survey method and quality control) is conducted properly in accordance with the international standards.	1-4. Grid Square Statistics method is implemented for dissemination of the Census 2017 result.	1-4. Report of the Census 2017	
2. The capacity on sampling method is improved in quality.	1-5. Guideline for statistical quality assurance is prepared.	1-5. Guideline for statistical quality assurance	
3. Accuracy check of the result of the Census 2017 data (including advice of the post-enumeration survey method and quality control) is conducted properly in accordance with the international standards.	2-1. The level of understanding of CAPMAS staff on Japan 's practice on sampling methods for statistical studies is improved.	2-1. Training reports / Observation and interview with CAPMAS staff (Project reports)	
2. The capacity on sampling method is improved in quality.	2-2. More than 50 capable staff to conduct statistical studies ¹ with the improved sampling method.	2-2. Reports of the statistical studies / Observation and interview with CAPMAS staff (Project reports)	
3. Accuracy check of the result of the Census 2017 data (including advice of the post-enumeration survey method and quality control) is conducted properly in accordance with the international standards.	3-1. Accuracy check methods are clarified by August 2017.	3-1. Project references	
2. The capacity on sampling method is improved in quality.	3-2. More than 50 capable staff to conduct improved accuracy check of the result of the Census 2017.	3-2. Reports on accuracy check results / Observation and interview with CAPMAS staff (Project reports)	
3. Accuracy check of the result of the Census 2017 data (including advice of the post-enumeration survey method and quality control) is conducted properly in accordance with the international standards.			
Activities	Inputs		Important Assumption
1-1. Assess on the training need of CAPMAS staff.	Egyptian Side The Egyptian side will provide resources as follows.		- The security condition of Egypt is stable.
1-2. Share on Japan 's experience and provide advice on statistical planning, fieldwork and data processing.	a. Human resources that may consist of (i) Project Director (Under Secretary for President Office Affairs, CAPMAS) (ii) Sub -Project Director (Director General of International Cooperation Department, CAPMAS) (iii) Project Manager (CAPMAS President Advisor)		<Pre-conditions>
1-3. Provide training for efficient implementation of statistical planning,			- The Census for 2016 ² is conducted with no major change in the

¹ Labor Force Survey, Household Income, Expenditure and Consumption Survey, Annual Industrial Survey etc.

² At the project designed stage, the Census has been planned to be implemented in 2016, however it has been shifted into 2017 due to Implementation of nationwide local elections on November 2016.

<p>fieldwork and data processing (e.g. data entry / loading and cleaning)</p> <p>1-4. Provide advice and training on E - Census and e-survey system.</p> <p>1-5. Provide advice on work management for implementing the Censuses and other statistical studies.</p> <p>2-1. Provide advice and training on sampling method.</p> <p>2-2. Support on improving sampling methods for the Census es. (e.g. designing, sample selection and application)</p> <p>3-1. Provide advice and training on accuracy check (including post-enumeration survey method and quality control).</p> <p>3-2. Support on accuracy check of the result of the Census 2017.</p>	<p>(iv) Sub-Project Manager (International Cooperation Department)</p> <p>b. Experts in statistics in Egypt</p> <p>c. Office space for resident advisor, if necessary</p> <p>d. Supporting fund for CAPMAS staff to assist the project implementation (based on needs)</p> <p>e. Contact with Egyptian Government and foreign counterparts</p> <p><u>Japanese Side</u></p> <p>The Japanese side will provide resources as follows.</p> <p>a. Long Term Experts (Chief Advisor, Project Coordinator)</p> <p>b. Short Term Expert (Data accuracy check, IT (Data Processing), Post Enumeration Survey (Processing / Matching) etc.)</p> <p>c. Study Visit / Country-Focused Training</p> <p>d. Seminar / Workshop / Training</p> <p>e. Equipment (such as tablets and vehicles for studies)</p> <p>f. A part of the operational costs for implementing activities (Ex. Costs for experts activities)</p>	<p>schedule.</p> <p>- The organization of CAPMAS is not reformed / rearranged that may affect the project activities.</p>
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Project Design Matrix

Project Title: Project for Developing Statistical Quality System at CAPMAS
 Implementing Agency: Central Agency for Public Mobilization and Statistics (CAPMAS)
 Period of Project: March 20, 2016 – March 19, 2019 (3 years and 7 months)
 Project Site: Cairo, and other regions in Egypt, approved by JICA Security Guideline

Version 3
 Dated: 28/06/2018

Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption
Overall Goal Policy relevance is enhanced with improved quality of statistical studies in Egypt	The result of the Census 2017 and other statistical studies with improved quality is utilized for policy making by the concerned ministries and relevant agencies in Egypt within 3 years of project completion.	Execution plan, Mid-term plan (Sustainable Development Strategy Egypt Vision 2030 etc.)	
Project Purpose Capacity of CAPMAS to effectively manage the Census 2017 and other statistical studies (footnote 1) is strengthened. (footnote 1) <u>Other statistical studies</u> indicates specifically Labor Force Survey and Household Income, Expenditure and Consumption Survey (HIECS).	<ol style="list-style-type: none"> Based on the result of the Census 2017 with improved quality, sampling framework necessary to conduct other statistical studies (sample studies) is properly designed. Guideline/manuals on Censuses (Census 2017 and <u>Economic Census</u>) and other statistical studies management (e.g. data processing, E-Census and e-survey, utilization of tablet devices, sampling, data accuracy check) is updated/improved. The accuracy of the Census 2017 to be measured by the accuracy check methods is improved compared to that of the 2006 Census. 	<ol style="list-style-type: none"> CAPMAS internal references on sample surveys Guideline/manuals on Censuses and other statistical studies Reports on accuracy check results (age cohort analysis, comparison with other statistical data, post-enumeration survey, quality control etc.) 	- Policy makers continue to understand the significance of statistical information.
Outputs 1. Statistical planning, fieldwork and data processing are implemented effectively and with high quality using necessary IT application. 2. The capacity on sampling method is improved in quality. 3. Accuracy check of the result of the Census 2017 data (including advice of the post-enumeration survey method and quality control) is conducted properly in accordance with the international standards.	<ol style="list-style-type: none"> <ol style="list-style-type: none"> The advice and training result are applied to statistical planning, fieldwork and data processing. Monthly basis Labor Force Survey is conducted from quarterly basis. E-Commerce and Trade in-service data are <u>properly tabulated in Economic Census</u>. Grid Square Statistics method is implemented for dissemination of the Census 2017 result. Guideline for statistical quality assurance is prepared. <u>New methodologies are added to HIECS.</u> <ol style="list-style-type: none"> The level of understanding of CAPMAS staff on Japan's practice on sampling methods for statistical studies is improved. More than 50 capable staff to conduct statistical studies¹ with the improved sampling method. <ol style="list-style-type: none"> Accuracy check methods are clarified by August 2017. More than 50 capable staff to conduct improved accuracy check of the result of the Census 2017. 	<ol style="list-style-type: none"> <ol style="list-style-type: none"> Reports mentioned in 1-2, 1-3, 1-4 / Observation and interview with CAPMAS staff (Project reports) Report of Labor Force Survey Report of Economic Census or Economic survey Report of the Census 2017 Guideline for statistical quality assurance Draft Questionnaire and manual for HIECS <ol style="list-style-type: none"> Training reports / Observation and interview with CAPMAS staff (Project reports) Reports of the statistical studies / Observation and interview with CAPMAS staff (Project reports) <ol style="list-style-type: none"> Project references Reports on accuracy check results / Observation and interview with CAPMAS staff 	<ul style="list-style-type: none"> Public support and cooperate with the data collection for the Census. The security condition of Egypt is stable.

¹ Labor Force Survey, Household Income, Expenditure and Consumption Survey, Annual Industrial Survey etc.

Activities	Inputs	Important Assumption
1-1. Assess on the training need of CAPMAS staff.	Egyptian Side The Egyptian side will provide resources as follows.	- The security condition of Egypt is stable.
1-2. Share on Japan's experience and provide advice on statistical planning, fieldwork and data processing.	a. Human resources that may consist of (i) Project Director (Under Secretary for President Office Affairs, CAPMAS)	- <Pre-conditions> - The Census for 2016 ¹ is conducted with no major change in the schedule.
1-3. Provide training for efficient implementation of statistical planning, fieldwork and data processing (e.g. data entry / loading and cleaning)	(ii) Sub-Project Director (Director General of International Cooperation Department, CAPMAS) (iii) Project Manager (CAPMAS President Advisor) (iv) Sub-Project Manager (International Cooperation Department)	- The organization of CAPMAS is not reformed / rearranged that may affect the project activities.
1-4. Provide advice and training on E-Census and e-survey system.	b. Experts in statistics in Egypt c. Office space for resident advisor, if necessary d. Supporting fund for CAPMAS staff to assist the project implementation (based on needs)	
1-5. Provide advice on work management for implementing the Censuses and other statistical studies.	e. Contact with Egyptian Government and foreign counterparts	
2-1. Provide advice and training on sampling method.	Japanese Side The Japanese side will provide resources as follows.	
2-2. Support on improving sampling methods for the Censuses (e.g. designing, sample selection and application)	a. Long Term Experts (Chief Advisor, Project Coordinator) b. Short Term Expert (Data accuracy check, IT (Data Processing), Post Enumeration Survey (Processing / Matching) etc.) c. Study Visit / Country-Focused Training d. Seminar / Workshop / Training e. Equipment (such as tablets and vehicles for studies) f. A part of the operational costs for implementing activities (Ex. Costs for experts activities)	
3-1. Provide advice and training on accuracy check (including post enumeration survey method and quality control).		
3-2. Support on accuracy check of the result of the Census 2017.		

¹At the project design stage, the Census has been planned to be implemented in 2016, however it has been shifted into 2017 due to implementation of nationwide local elections on November 2016.

ANNEX 4: R/D, M/M, Minutes of JCC (copy) (*)

ANNEX 5: Project Monitoring Sheet (copy) (*)

(Remarks: ANNEX 4 and 5 are for internal reference only.)

Separate Volume: Copy of Products Produced by the Project