STATISTICAL INSTITUTE FOR ASIA AND THE PACIFIC

**Second Regional Training Course on Sampling Methods for
Producing Core Data Items for Agricultural and Rural Statistics
9 – 20 November 2015, Jakarta, Indonesia**

<u>COURSE PROGRAMME</u>

Time	Topics	Resource persons
Day 1		
08:00 – 09:00	Registration	
09:00 – 10:15	**Opening Session/Photo Session** • Welcome Remarks- BPS-Statistics Indonesia • Opening Remarks- SIAP • Orientation: Course objectives, structure and expected results • Introductions [Participants, Resource Persons and BPS Support Team] • Group photo	
10:15 – 10:30	Tea Break	
10:30 – 11:30	**Diagnostic Test on Basic Sampling Concepts and Methods**	
11:30 – 12.00	**Module 1:** **Sampling in the Context of the Global Minimum Set of Core Data Items** **Session 1.1:** Overview of the **Global Strategy for Agriculture and Rural Statistics and the Asia-Pacific Regional Action Plan** <u>Presentation :</u> Objectives, Pillars and Expected Outcomes	
12:00 – 13:00	Lunch	
13:00 – 15:00	**Session 1.2:** **Minimum Set of Core Data Items: Output, Resources and Input Variables** **<u>Presentation:</u>** **Rationale and framework for a minimum set of core data items for agricultural and rural statistics** **<u>Small Group Workshops- 1</u>: Compiling practices on the use and application of sampling methods in collecting data on output, resource and input variable through surveys on crops, horticulture, livestock and fisheries and aquaculture.** • **Group discussions (Completing a Matrix)** • **Plenary presentations and discussions**	

Time	Topics	Resource persons
15:00 – 15:15	Tea Break	
15:15 – 16:00	**Module 2:** **Review of Basics of Sampling Methods: Probability Sampling, Sample Selection and Sample Design and Estimation** **Session 2.1:** **Terminology, Concepts and Definitions** <u>Presentation</u>: Building blocks of designs for probability samples in statistical surveys (sample selection and estimation) and a review of simple random sampling	
16.00-17.00	**Session 2.1:** **Terminology, Concepts and Definitions** *(Continued and Completed)*	
Day 2		
09:00 – 10:15	**Session 2.2:** **Systematic Sampling** <u>Presentation and Data Workshop</u>	
10:15 – 10:30	Tea Break	
10:30 – 12:00	**Session 2.3:** **Objectives and Use of Stratification in Sample Design** <u>Presentation and Data Workshop</u>	
12:00 – 13:00	Lunch	
13:00 – 14:30	**Session 2.4:** **Objectives and Use of Clustering in Sample Designs; Sampling with Probability Proportional to Size and One-stage cluster sampling** <u>Presentation and Data Workshop</u>	
14:30 – 14:45	Tea Break	
14:45 – 17:00	**Session 2.5:** **Objectives of Multistage Sampling and Illustrative Designs** <u>Presentation and Data Workshop</u>	
Day 3		
09:00 – 10:15	**Session 2.6:** **Sampling Errors and Design Effects: Estimating and Interpreting** <u>Presentation</u>	
10:15 – 10:30	Tea Break	

Time	Topics	Resource persons
10:30 – 12:00	**Session 2.7:** **Estimation, Sampling Weights and Variance Estimation for Basic Types of Indicators from Survey Data from Selected Sample Designs** Presentation and Data Workshop	
12:00 – 13:00	Lunch	
13:00 – 14:30	**Session 2.7:** *(Continued and Completed)*	
14:30 – 14:45	Tea Break	
14:45 – 17:00	**Session 2.8:** **Sampling Frames: Types, Sources & Uses** Presentation Small Group Workshops- 2: Revisiting Small Group Workshop 1 Matrix Results—Identifying suitable sampling frames	
Day 4		
9:00 – 10:00	**Session 2.9:** **Assessment Test on Module 2**	
10:00 – 10:15	Tea Break	
10.15-11.00	**Session 2.10: Review of Module 2**	
11:00 – 12:00	**Module 3**: **Sampling Methods for Crop Cutting Surveys** **Session 3.1**: **Crop-cutting Surveys: Basic concepts, variables (output, resource and input), survey objectives and statistical units for survey collection of core data and estimation of basic indicators** Presentation	
12:00 – 13:00	Lunch	
13:00 – 15:30	**Session 3.2**: **Sampling Designs for Crop-cutting Surveys** Presentation: Expert's recommendations and illustrative good practices on sampling designs for crop-cutting surveys Country presentations: • Country sample designs for crop-cutting surveys [Bangladesh, Georgia, Indonesia, Cambodia, Vietnam, 10 minutes each] Plenary discussion	
15:30 – 15:45	Tea Break	

Time	Topics	Resource persons
15:45 – 17:00	**Session 3.2*: Sampling Designs for Crop-Cutting Surveys** (*continued and completed*)	
	Day 5	
09:00 – 10:30	**Session 3.3: Estimation Methods for Output, Resource and Input Indicators from Crop-cutting Surveys** <u>Presentation and Data Workshop</u>	
10:30 – 10:45	Tea Break	
10:45 – 12:00	**Session 3.3:Estimation Methods for Output, Resource and Input Indicators from Crop-cutting Surveys** (*continued and completed*)	
12:00 – 13:00	Lunch	
13:00 – 14:30	• **Session 3.4: Data Collection Tools for Crop-cutting Surveys: Considerations in designing tools to facilitate sampling requirements [Updating sampling frames, facilitating sample selection, providing estimation variables** <u>Presentation</u>: Expert's recommendations and illustrative good practices on data collection tools for crop-cutting surveys <u>Workshop</u>: Developing data collection tools <u>Presentations by participants</u>	
14:30 – 14:45	Tea Break	
14:45– 17:00	**Session 3.5: Field Operations for Crop-Cutting Surveys:** <u>Presentation</u>: Expert's recommendations and illustrative good practices on field operations for crop-cutting surveys <u>Country Presentations:</u> Country practices: data collection tools and field operations for crop-cutting surveys [Lao, Sri Lanka, Papua New Guinea, Myanmar, 10 minutes each] <u>Workshop</u>: Non-sampling errors: Challenges and Solutions Presentation of Workshop Discussions	
	Day 6	

Time	Topics	Resource persons
09:00 – 10:15	**Session 3.6:** **Q & A Session** Assessment Quiz Discussion on Assessment Quiz Other questions	
10:15 – 10:30	Tea Break	
10:30 – 12:00	**Module 4:** **Sampling Methods for Horticulture Surveys** **Session 4.1**: **Horticulture Surveys: Basic concepts, variables (output, resource and input), survey objectives and statistical units for survey collection of core data and estimation of basic indicators** Presentation	
12:00 – 13:00	Lunch	
13:00 – 15:00	**Session 4.2:** **Sampling Designs for Horticulture Surveys** Presentation: Expert's recommendations and illustrative good practices on sampling designs for horticulture surveys Country presentations: Country sample designs for horticulture surveys [Bhutan, Indonesia, Sri Lanka, 10 minutes each] Plenary discussion	
15:00 – 15:15	Tea Break	
15:15 – 17:00	**Session 4.3**: **Estimation Methods for Output, Resource and Input Indicators from Horticulture Surveys** Presentation and Data Workshop	
Day 7		
09:00 – 10:15	**Session 4.4:** **Data Collection Tools for Horticulture Surveys: Considerations in designing tools to facilitate sampling requirements [Updating sampling frames, facilitating sample selection, providing estimation variables** Presentation: Expert's recommendations and illustrative good practices on data collection tools for horticulture surveys Workshop: Developing data collection tools	

Time	Topics	Resource persons
10:15 – 10:30	Tea Break	
10:30 – 12:00	**Session 4.5**: **Field Operations for Horticulture Surveys: Focus on ensuring proper implementation of sample design and selection and minimizing non-sampling errors** Presentation: Expert's recommendations and illustrative good practices on field operations for horticulture surveys Country presentations: Country practices: data collection tools and field operations for horticulture surveys (Bhutan, Sri Lanka, 10 minutes each) Workshop: Non-sampling errors: Challenges and Solutions	
12:00 – 13:00	Lunch	
13:00 – 14:30	**Session 4.6**: **Q & A Session** Assessment Quiz Discussion on Assessment Quiz Other questions	
14:30 – 14:45	Tea Break	
14:45 – 16:00	**Module 5**: **Sampling Methods for Livestock Surveys** **Session 5.1**: **Livestock Surveys: Basic concepts, variables (output, resource and input), survey objectives and statistical units for survey collection of core data and estimation of basic indicators** Presentation	
16.00 – 17.00	**Session 5.2**: **Sampling Designs for Livestock Surveys** Presentation: Expert's recommendations and illustrative good practices on sampling designs for livestock surveys Country presentations: Country sample designs for livestock surveys [Bangladesh, Indonesia, Vietnam, Samoa, 10 minutes each] Plenary discussion	
Day 8		
09.00 – 10.15	**Session 5.2**: **Sampling Designs for Livestock Surveys** *(continued and completed)*	
10.15 – 10.30	Tea Break	

Time	Topics	Resource persons
10:15 – 12:00	**Session 5.3**: **Estimation Methods for Output, Resource and Input Indicators from Livestock Surveys** Presentation and Data Workshop	
12:00 – 13:00	Lunch	
13:00 – 14:30	**Session 5.4**: **Data Collection Tools for Livestock Surveys: Considerations in designing tools to facilitate sampling requirements [Updating sampling frames, facilitating sample selection, providing estimation variables** Presentation: Expert's recommendations and illustrative good practices on data collection tools for livestock surveys Workshop: Developing data collection tools	
14:30 – 14:45	Tea Break	
14:45 – 17:00	**Session 5.5**: **Field Operations for Livestock: Focus on ensuring proper implementation of sample design and selection and minimizing non-sampling errors** Presentation: Expert's recommendations and illustrative good practices on field operations for livestock surveys Country presentations: Country practices: data collection tools and field operations for livestock surveys [Afghanistan, Cambodia, Laos, Pakistan, 10 minutes each] Workshop: Non-sampling errors: Challenges and Solutions	
Day 9		
09:00 – 10:30	**Session 5.6: Q & A Session** Assessment Quiz Discussion on Assessment Quiz Other questions	
10:30 – 10:45	Tea Break	

Time	Topics	Resource persons
10:45 – 12:00	**Module 6:** **Sampling Methods for the Fisheries and Aquaculture Surveys** **Session 6.1**: **Fisheries and Aquaculture Surveys: Basic concepts, variables (output, resource and input), survey objectives and statistical units for survey collection of core data and estimation of basic indicators** Presentation	
12:00 – 13:00	Lunch	
13:00 – 14:30	**Session 6.2**: **Sampling Designs for Fisheries and Aquaculture Surveys** Presentation: Expert's recommendations and illustrative good practices on sampling designs for fisheries and aquaculture surveys Country presentations: Country sample designs for fisheries and aquaculture surveys [Maldives, Fiji, Indonesia, 10 minutes each] Plenary discussion	
14:30 – 14:45	Tea Break	
14:45 – 16:00 16:00 – 17:00	**Session 6.2**: **Sampling Designs for Fisheries and Aquaculture Surveys** (*continued and completed*) **Session 6.3**: **Estimation Methods for Output, Resource and Input Indicators from Fisheries and Aquaculture Surveys** Presentation and Data Workshop	
Day 10		
09:00 – 10:30	**Session 6.3**: **Estimation Methods for Output, Resource and Input Indicators from Fisheries and Aquaculture Surveys** (*continued and completed*)	
10:30 – 10:45	Tea Break	

Time	Topics	Resource persons
10:45 – 12:00	**Session 6.4: Data Collection Tools for Fisheries and Aquaculture Surveys: Considerations in designing tools to facilitate sampling requirements [Updating sampling frames, facilitating sample selection, providing estimation variables** Presentation: Expert's recommendations and illustrative good practices on data collection tools for fisheries and aquaculture surveys	
12:00 – 13:00	Lunch	
13.00– 14:30	**Session 6.5: Field Operations for Fisheries and Aquaculture Surveys: Focus on ensuring proper implementation of sample design and selection and minimizing non-sampling errors** Presentation: Expert's recommendations and illustrative good practices on field operations for fisheries and aquaculture surveys Country presentations: Country practices: data collection tools and field operations for fisheries and aquaculture surveys [Samoa, Maldives, Fiji, 10 minutes each] Workshop: Non-sampling errors: Challenges and Solutions	
14:30 – 14:45	Tea Break	
14:45 – 15:45	**Session 6.6: Q & A Session** Assessment Quiz Discussion on Assessment Quiz	
15:45 – 16:30	**Evaluation and Closing**	