



## **Regional Workshop on Use of Sampling for Agricultural Censuses and Surveys**

*14 - 18 May 2012, Thailand, Bangkok*

### **Provisional Timetable**

**MONDAY 14 MAY 2012**

08.00-09.00: REGISTRATION

#### **09.00-09.30: Opening Session**

- Welcome by AFMA
- Remarks by FAO
- Introduction to the workshop and adoption of the programme: M. Srivastava, FAO

#### **9.30-10.30: Technical Session 1: Agricultural Census within the Framework of a National Survey Programme**

Chair: USDA

- Implementation of Global Strategy for Improving Agricultural Statistics in Asia and the Pacific: J. Castano, FAO
- Basic concepts for Development of a National Strategy for Improvement of Agriculture Statistics: M. Srivastava, FAO
- Country presentations on strategies for development of agriculture statistics from Bangladesh, Bhutan, Pakistan and Viet Nam,

*10.30-10.45: Coffee break*

#### **10.45-12.30: Technical Session 2: Strategies for Modular Approaches to Collection of Structural Data on Agriculture**

Chair: J. Castano, FAO

- Operationalisation of the modular approach and integration of census and survey, M. Srivastava, FAO

**Roundtable on country plans and practices of census and surveys in agriculture sector**  
(Each country to present an outline of their census and survey programme orally)

*12.30-13.30: Lunch break*

### **13.30 -15.00: Technical Session 3: Sampling Frames for Agricultural Surveys**

Chair: M. Srivastava, FAO

- Building, using and maintaining sampling frames: area frame, multiple frame, master sampling frames, Hale, NASS
- Country practices on area frames for agricultural surveys in Asia (Presentations from Thailand and the Philippines)

*15.00-15.15: Coffee break*

**15.15 –16.45: Practical Activity Session 2A: Group Exercises on Modular Approaches to Census and Survey Planning** (Continues on Wednesday)

*(Participants will work in 3 groups on a hypothetical country scenarios, defined by user demand, ongoing programme and likely budgetary support towards building a flexible integrated agriculture census and survey programme of statistical activities using strategy of modular approach advocated in WCA 2010)*

Facilitators: M. Srivastava, FAO A. Kar, SIAP and others.

**17.00: Welcome dinner**

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### TUESDAY 15, MAY 2012

**8.30-10.00: Technical Session 4: Country Practices on use of Area frame for Agricultural Surveys in Asia**

Chair: M. Srivastava, FAO

- Issues and considerations in choosing area sampling frame in agriculture: presentations from Thailand and the Philippines

Lead discussant: Hale, NASS, USDA

*10:00-10:15: Coffee break*

**10.15-12.30: Technical Session 5: Linkage between Population and Agriculture Census**

Chair: A. Kar, SIAP

- Use of population census to build a frame for agricultural census and surveys, and master sampling frame, M. Srivastava, FAO
- Country examples on using population census to improve agriculture statistics (Country presentations from Nepal and Mongolia )

Discussions and response form Chair, FAO and NASS.

Tentative Discussion points:

- a. Questions on agriculture to be included in the population census
- b. Implications of operational definition of “agricultural holding” on cost and coverage of agriculture census
- c. issues relating to keeping the sampling frames updated
- d. issues relating to maintenance of statistical registers

*12.30-13.30: Lunch break*

**13.30:** Out Door activity

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### WEDNESDAY, 16 MAY 2012

#### **9.00–10.30: Technical Session 6: Introduction to Sampling Schemes**

Chair: Hale, NASS

- Introduction to sampling schemes and related estimation procedures, A. Kar, SIAP

*10.30-10.45: Coffee break*

#### **10.45-12.30: Technical Session 7: Further Aspects of Sampling**

Chair: J. Castano, FAO

- Determination of sample size, sample allocation and sample selection, A. Kar, SIAP
- Example of an integrated design for a wide variety of subjects, M. Srivastava, FAO

*12.30-13.30: Lunch break*

#### **13.30 -15.00: Practical Activity Session 7A: Exercises on Sampling and Estimation**

Tutors: Sud, IASRI and A. Kar

Group Exercises on:

- Selection of sample
- Sampling schemes, sample size and sample allocation
- Computation of estimates, (Each group will use an assigned design)

(The unit level data for doing the exercises and assignments to be provided)

*15.00-15.30: Coffee break*

#### **15.30–onwards : Practical Activity Session 2B: Group Exercises on Modular Approaches to Census and Survey Planning (Continued from Monday)**

*(Completed presentations on the assignments to be handed over)*

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THURSDAY, 17 MAY 2012

**8.30–9.30: Technical Session 8: Agricultural Census as Basis for Planning Annual Crop Forecast and Production Surveys**

Chair: SIAP

- Overview of the agricultural census and sample surveys of U.S agriculture, NASS

**9.30–10.30: Technical Session 9: Estimation of Sampling Errors**

- General presentation on Estimation of Sampling Errors, CV, Confidence Interval, and Variance Estimation Methods A. Kar, SIAP
- Working Coffee or short break

**10.30 -12.30: Technical Session 9A: Practical Exercises on Estimation of Sampling Errors**

U.C. SUD, IASRI

Group exercises on:

- Sampling errors
- Computation of variance, CV, confidence interval

Group Presentations: Comparison of results of using different sampling design.

*12.30-13.30: Lunch break*

**13.30 -15.00: Technical Session 10: Evaluation and Treatment of Non-sampling Errors**

Chair: Hale, NASS

- General presentation on Non-sampling Errors (J. Castano, FAO)
  - Reponses
  - Non responses
  - Coverage Errors

Discussion: Country practices on control of non-sampling errors (M. Srivastava, FAO)

*15.00-15.30: Coffee break*

**15.30–17.00: Technical Session 11: Quality Considerations in Survey and Validation of Data**

Chair: Hale, NASS

- Considerations on quality of data produced by a survey
  - Post enumeration survey
  - Preparation of a methodological report (M. Srivastava, FAO)
  - Discussions
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FRIDAY, 18 MAY 2012

**9.00-10.15: Technical Session 2C: Results of Groups Assignments Based on Technical Session 2**

Panel: (Role Playing for Donors, Ministry of Finance, NGOs etc.)

*(Each group will present the outcome of Practical Activity Session 2A and 2B and will defend their proposal as if presenting for seeking funding for their census and survey programme.)*

*10.15 - 10.30: Coffee Break:*

**10.30 -12.30: Technical Session 12: Forecasting Crop Production and Yield**

- Forecasting of crops yields and estimation of production in United States, Hale, NASS
- Overview of production and yield forecasting methods in India, Sud, IASRI (Requested)

**13.30-14.30:** Review and remaining questions

**14.30-15.00:** Evaluation of the workshop

*15.00-15.30: Coffee break*

**15.30-16.00:**

- Distribution of Certificates
- Closing of the Workshop

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