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UNITED NATIONS STATISTICAL INSTITUTE FOR ASIA AND THE PACIFIC

Workshop 'Forging Partnerships in Statistical Training in Asia and the Pacific'

25-26 November 2002
Bangkok

**WORKING PAPER - SIAP
ANNEX 5**

The designation employed and the presentation of the material do not imply the expression of any opinion whatsoever on the part of the organizers of the workshop concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitations of its frontiers or boundaries.

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**PROPOSED PRIORITIZATION OF REQUESTS FOR THE JOINT CONDUCT OF COUNTRY COURSES WITH SIAP
FOR ACADEMIC YEARS 2002, 2003 AND 2004**

| Country | Area of training in official statistics | Topics covered | Proposed period | Priority |
|-------------------|---|--|---|-----------------|
| Brunei Darussalam | Analysis of poverty statistics | Concepts and measurements of poverty. Sample survey design for data collection on poverty. Estimation methodology of various poverty indicators. Issues and problems in the computation, errors and accuracy. Analysis of poverty statistics. | Last Quarter of 2002 (Sept. or Oct). or 1 st Q of 2003 (10 days) | 1 |
| | Constructing price indices with particular reference to (a) producer price indices, and (b) export and import price indices | Designing the sample for data collection (commodity basket and reporting unit). Deriving the weights for index computation. Formulating estimation methodology. Issues in computation (seasonal products, reporting problems). Uses of price indices as a deflator in the GDP. | First half of 2003 (April or May) (10 days) | 1 |
| Maldives | Statistical methods | Descriptive statistics, Statistical inference, Regression analysis, Time series analysis, Sampling techniques, Index numbers | 7 – 18 July 2002 | 2 |
| | Social statistics | Household characteristics, Health statistics, Employment statistics, Education statistics, Gender statistics, Environment statistics, HDI, Disability statistics, Poverty measurements | 21 July – 1 August 2002 | 2 |
| Armenia | Website design | | (5 days) | 3 |
| | Work with users | | (5 days) | 3 |
| Hong Kong, China | Statistical techniques in analyzing time series data | Apart from basic concepts underlying time series analysis, more advanced topics such as exponential smoothing methods, SARIMA, ARCH and GARCH models, multivariate time series models, techniques for model identification and specification, cointegration and causality analysis should be discussed. Practical aspects of model specification and estimation as well as forecasting should also be covered. Real data examples should be used for illustration where appropriate. | Second half of 2003 or later (5 days) | 4 |
| Pakistan | Sample design for agricultural census | Sample design and estimation of data | 2 – 12 April 2004 | 5 |

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|------------------|--|---|------------------------------|----------|
| | Advanced and complicated analyses of 1998 Population & Housing Census | Complicated analyses based on statistical/mathematical models | 3 – 13 June 2003 | 5 |
| | Measurement of income, income inequality and poverty | | 1 – 30 November 2003 | 6 |
| Papua New Guinea | Estimation techniques for measurement of missing data and proxy indicators/estimates | | 1 – 20 November 2004 | 6 |
| | Poverty alleviation programme | Poverty and inequality concepts and measurement; Inequality and poverty indices; Income distribution; Poverty line; Poverty measurement in the context of policy, plan and programme formulation; Data requirements for formulating poverty alleviation programmes and for monitoring and implementation; Strengthening statistics on poverty; Sources and limitations of poverty stat. | October 2003 (10 days) | 7 |
| Nepal | Environment statistics and accounting system | Introduction to Environment Statistics; Need and coverage of database on Environment; Major areas of environmental concerns and issues for the development of statistical system; Flora and fauna; Atmosphere; Surface and Inland water; Land and soil; Human settlements; Environmental Accounting; Satellite system of integrated environmental and economic accounting | October 2004 (10 days) | 7 |
| Cambodia | Statistical classification | How to compile Cambodian Standard Industrial Classification, Cambodian Standard Occupation Classification | 1-5 July 2003 (5 days) | 8 |
| Sri Lanka | Statistical methods in data analysis | Estimation and control of error in sampling. Univariate and multivariate data analysis and interpretation. Construction of price indices | 14-25 October 2002 (10 days) | 9 |
| Sri Lanka | Database development, management and maintenance | Materials: Data tapes from the Household Income & Expenditure Survey and the draft tabulations & reports Construction of databases. Techniques of creating, storing and disseminating data. | February 2003 (10 days) | 9 |

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|-------------|---|---|---|----------|
| Malaysia | Analysis of survey data | Survey design; Method of analysis; Evaluation of data quality; Contingency table analysis; Estimation and statistical inferences; Multivariate analysis; Weighting and variance estimation in complex sample design; Imputation of missing values | 6 – 10 October or 13 – 17 October 2003 | 10 |
| Indonesia | Proposed course: 1. Poverty statistics and welfare indicators 2. National accounts statistics and fundamental macro economic indicators Area of Training: Poverty statistics; Welfare indicators (basic needs) and its reduction policy | Conceptual considerations: poverty as absolute and relative, objection to poverty, including moral and as a threat to stability. Reasons for re-emergence of poverty as important matter for domestic policy makers. Explanations for existence of poverty. Means for overcoming poverty. Designing projects to alleviate poverty. Methodology used to calculate the poor population. Basic Needs Approach. Human Development Indicators. Welfare indicators. | To be conducted annually to meet the targeted participants from all regencies. 15-25 Aug. 2003 & 5-15 Aug. 2004 | 11 |
| | Census planning | Relevance of census taking; Role of government in census taking; Developing and monitoring project plans; Use of sampling; Census considerations; Forms design and testing; Operational and quality control procedures; Processing considerations; Mapping; Publicity programme; Census evaluation | 17 – 28 February 2003 | 12 |
| Philippines | Geographic information system | GIS overview (concepts and applications); Automated mapping vs. GIS; Map/data inputs for a GIS project; Adding and presenting thematic layers on a map; Adding attributes/ themes/ layers from external sources (dbfs, etc.); Making GIS queries and analysis (buffering, etc); Editing map features and adding spatial data/ other features from external sources (image files, GPS data, etc.) | 14 – 25 April 2003 | 12 |
| Philippines | Analysis of economic statistics | Sources of economic statistics; Methods of collecting economic statistics; Concepts and issues on agriculture statistics (mining statistics, manufacturing statistics, electricity, gas and water statistics, distributive trade statistics (services statistics, price statistics); Introduction to system of national accounts; Introduction to time series and regression analysis | 13 – 24 October 2003 | 12 |

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|-------------|--|--|---------------------------------|----------|
| | Preparing communication plan for censuses and surveys | Concept of information in contemporary society; Information-centered philosophy as applied to census and survey data collection; Communication research for message packages; Media utilization and media relations; Preparing baseline survey on users' perception; Pretesting of IEC materials; Media and public relations; advocacy, networking and alliance building; social marketing; Broad dissemination strategies | 6 – 17 May 2004 | 12 |
| | Analysis, interpretation and utilization of agricultural information | Managing analysis in statistical agency; Statistical tools/ methods for data analysis, interpretation and utilization; analytical processes/types of analytical report; Electronic/ computer packages for statistical analysis, interpretation and utilization | 17 – 28 February 2003 (10 days) | 12 |
| | Measurement of ICT | Definition, scope, coverage and classification of ICT including e-commerce; Methods of data collection of ICT and e-commerce; Data items and indicators definition; Data sources; Methodologies; ICT and e-commerce in national income accounting; Analytical techniques | 24 – 28 March 2003 (5 days) | 12 |
| Philippines | Small-area estimation techniques | History of small-area estimation and different uses of small-area statistics; Direct and indirect small-area estimation methods; Composite estimation methods; Measures of uncertainty, model selection and model diagnostics; Bootstrap, Jackknife and Delta methods | 13 – 24 October 2003 (10 days) | 12 |
| | Special topics on sampling: Improving estimators, Non-response and measurement errors; Repeated and panel surveys; Model-based methods | Ratio and regression estimators; Post-stratification; Linearisation; Non-response and measurement errors; Repeated and panel surveys; Model-based methods | 5 – 16 February 2004 (10 days) | 12 |
| | Statistical report writing | Principles of statistical report writing; Packaging of statistical reports; Preparing effective tables and charts in statistical reports; Preparing effective tables and charts in statistical reports; Handling training courses in statistical report writing; Grammar refreshers and correct English usage | 11 – 22 October 2004 (10 days) | 12 |
| | Statistical quality management | | March 2005 | 12 |

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|--------------------------|---|---|------------------------------|----------|
| China | Environmental statistics | Coverage and indicator system of environmental statistics; Coordination of environmental statistical indicators between NGOs and other departments; Main organizing model of environmental statistics; Collection and use of environmental statistics data; Application of environment economic model; Environmental statistics publications and data release; Establishment of inventory of air emission | Second half of 2003 (5 days) | 13 |
| Islamic Republic of Iran | Environmental statistics | Recognizing resources of environment; Concepts and definitions; Practical and standard classification of statistical items and indicators; Methods for producing and collecting environmental statistics; Relation between environment and national accounts; Specifying the position of environmental statistics; Studying environmental pollution and quality in air, water, earth, sound, wastes etc. | 11 – 22 Jan 2003 (10 days) | 14 |
| Islamic Republic of Iran | Using administrative register in producing social and cultural statistics | Studying various stages of establishing efficient administrative register system; Studying role of operative & information systems in administrative register; Studying the best methods of register in the course of operation; Studying methods of statistical item storage; Familiarizing with the data banks features utilized in the system; Methods of transferring & dissemination of register items through the computer networks and recognizing their effective approaches; Overviewing various methods utilized in this regard in regional countries | 10 – 21 May 2003 (10 days) | 14 |
| | Computer assisted data-entry, editing, automatic correction, tabulation and analysis for survey data processing | Objectives of the course: Computer assisted questionnaire design; Data collection methods; Data capturing, editing and correction; Tabulation and analysis | 18 – 29 August 2003 | 15 |
| Thailand | Advance techniques on data imputation for processing the establishment census/survey data | Method of imputation; New and advance techniques for data imputation | Late 2003 (10 working days) | 15 |

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|--|---|---|------------------------|-----------------|
| <i>Fiji</i> | <i>Regional course on Prices</i> | <i>Basic price measurement concepts and basic index number theory and valuation principals as recommend by 1993 SNA</i> | <i>February 2003</i> | |
| <i>Democratic People's Republic of Korea</i> | <i>National Training Workshop for the Sample Design and Analysis on Selected Surveys in Industry, Agriculture, Population and Environment</i> | | <i>2003</i> | |
| <i>India</i> | <i>Subregional course on Industrial statistics for South Asia</i> | | | |
| <i>Singapore</i> | <i>Workshop on Computer-assisted coding of industries and occupations</i> | | | |
| <i>Mongolia</i> | <i>Country course in Poverty Statistics</i> | | | |