Third RAP Regional Workshop on
Building Training Resources for Improving Agricultural and Rural
Statistics: Use of Administrative Records for Producing Agricultural
and Rural Statistics

2-6 December 2013, Greater Noida, India
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(Broad) Topics

- Agricultural Statistics, Rural Statistics: definitions, uses, cases
- Characterizations of Statistical Systems: centralized-decentralized; horizontal-vertical; influence on ARS-based statistics, on coordination, on training.
- Administrative Reporting System (ARS)-Based Statistics: definition, scope. Are summaries from survey/census of key informants such as village chiefs included? FGD? RRA?
- Investigating quality of ARS data: selected actual numerical examples
- Draft CAPs of Pilot Countries: Bhutan, Laos, Maldives, Vietnam, with emphasis on
- ➢ Partitioning of Core data sets into ARS and non-ARS- based.
- ➢ Coordination of ARS statistics production
- ➢ Training for ARS statistics production
- ➢ Research needed to improve ARS data

Sources

- Over 30 years work with statistical systems in Asian and Pacific countries.

- Consultant for 2008 FAO Team that reviewed FAO's Statistics Asia Program.

- From 2012, RAP-related work in ADB pilot countries Bhutan, Laos, Maldives, Vietnam. Workshops and missions resulting in draft CAP in each country.

- Continuous research and development work in the Philippines, including Special Committees to Review PSS --- the last one leading to a 2013 statistics act and reorganized PSS; consultant for 2012 CAF and current project to redesign the PSS master sample for household surveys.

I.   Regarding Definitions, Scope, Applications of Rural, Agricultural, Fisheries, Aquaculture

(Slides 5 – 14)

On Definitions

Rural & Agricultural

- Used interchangeably?
- Rural relates to condition, state or geographic area
- Agricultural relates to activities, e.g. raising crops

Urban-Rural Dichotomy

- Village-based urban definition applied to census data

    → urban-rural domains change every 10 years

    → great care needed in interpreting/using data.

    → Not stable as stratification boundaries.

    →discontinuous time series.

Example: Philippine urban definition for 1970-2004 considered population density, planned street pattern, presence of establishments and facilities for basic services and amenities.

Table 1a. Population and Number of Villages in 1980 and 1990 CPH, Philippines.

	1980	1990
Population (million)	48.1	60.7
Of which: Urban (million)	18.0	29.4
Urban (%)	37.5	48.5
Villages (thousand)	40.2	41.3
Of which: Urban (thousand)	7.7	10.2
Urban (%)	19.2	24.8

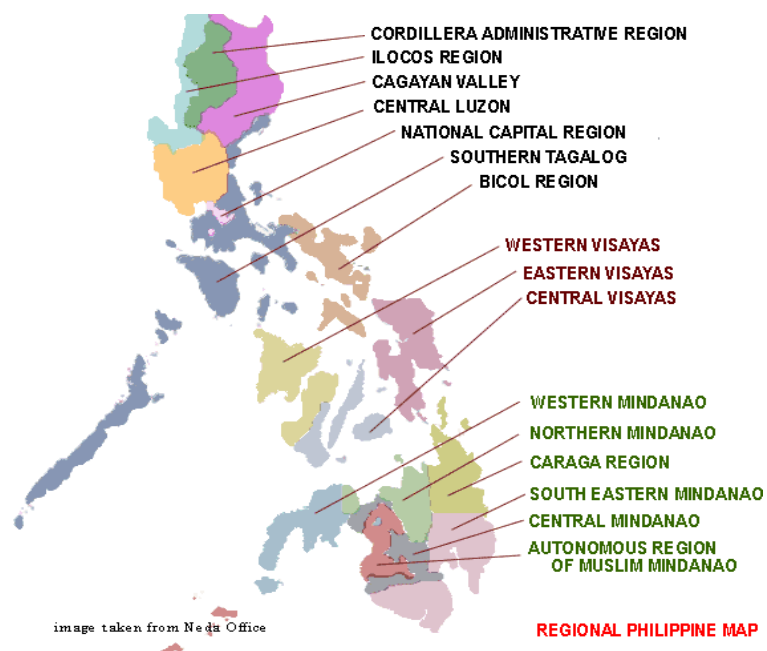Table 1b. Poverty Incidences, 1985 – 1997 Philippines

	1985	1988	1991	1994	1997
Poverty Incidence (%)	49	50	45	41	37
Urban (%)	38	34	36	28	22
Rural (%)	56	52	55	53	51

Urban-rural dichotomy, cont'd

In 2003, Philippine definition of urban village changed to:

- All of National Capital Region (MetroManila);
- Villages in other areas subjected to following criteria:
- ✓ Population count ≥ 5,000; or
- ✓ Has 1 establishment with ≥ 100 employees; or
- ✓ Has 5 or more establishments with ≥ 10 employees and 5 or more facilities within a two kilometer radius from village hall.

At this juncture, we invite participants to discuss the **urban-rural** definitions in their respective countries.

CORDILLERA ADMINISTRATIVE REGION
ILOCOS REGION
CAGAYAN VALLEY
CENTRAL LUZON
NATIONAL CAPITAL REGION
SOUTHERN TAGALOG
BICOL REGION

WESTERN VISAYAS
EASTERN VISAYAS
CENTRAL VISAYAS

WESTERN MINDANAO
NORTHERN MINDANAO
CARAGA REGION
SOUTH EASTERN MINDANAO
CENTRAL MINDANAO
AUTONOMOUS REGION
OF MUSLIM MINDANAO

image taken from Neda Office

REGIONAL PHILIPPINE MAP

Sometimes agriculture is defined with the aim to construct geographic groups

Example: In the village census (schedule) conducted along with the Philippines 2010 CPH, every village head was asked whether (1) at least half of the households were engaged in agriculture, or not (2). Then label the village agricultural if (1) and non-agricultural if (2). This has potential uses, such as stratification; see next two slides.

Antique PSUs Urbanity by Agricultural Classification

	Agricultural Indicator		
	1	2	Subtotal
Urban	7	11	18
Rural	298	165	463
Subtotal	305	176	481

Agusan Sur PSUs Urbanity by Agricultural Classification

Agricultural Indicator

	1	2	Subtotal
Urban	70	46	116
Rural	307	64	371
Subtotal	377	110	487

In your respective agencies, when you say --

- Agricultural statistics, do you include fisheries statistics?
- Fisheries statistics include aquaculture statistics? Do you distinguish between the two?
- Does census of agriculture (CA) include fisheries (CAF), aquaculture (CAAF)?
- How about forestry, forest products, hunting and gathering?
- Agro-forestry? This is growing in economic importance.

Most CAs are actually rural censuses; e.g. China and Vietnam expressly say so.