



INDONESIAN 2006 ECONOMIC CENSUS

SENSUS EKONOMI 2006 (SE06)

**Methodology, the Use of
Comprehensive Census**

Presented for:

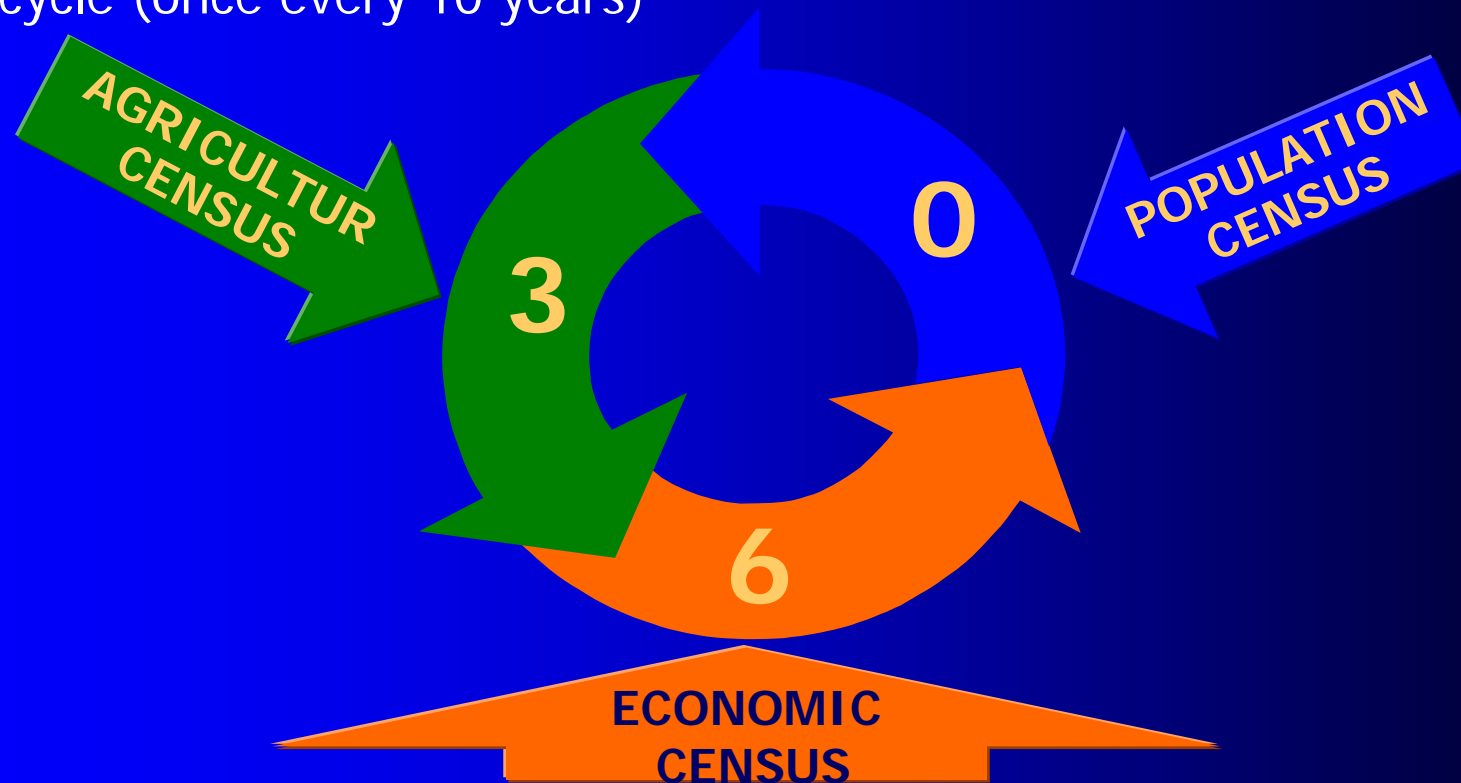
The 12th East Asian Statistical Conference

BPS – Statistics Indonesia

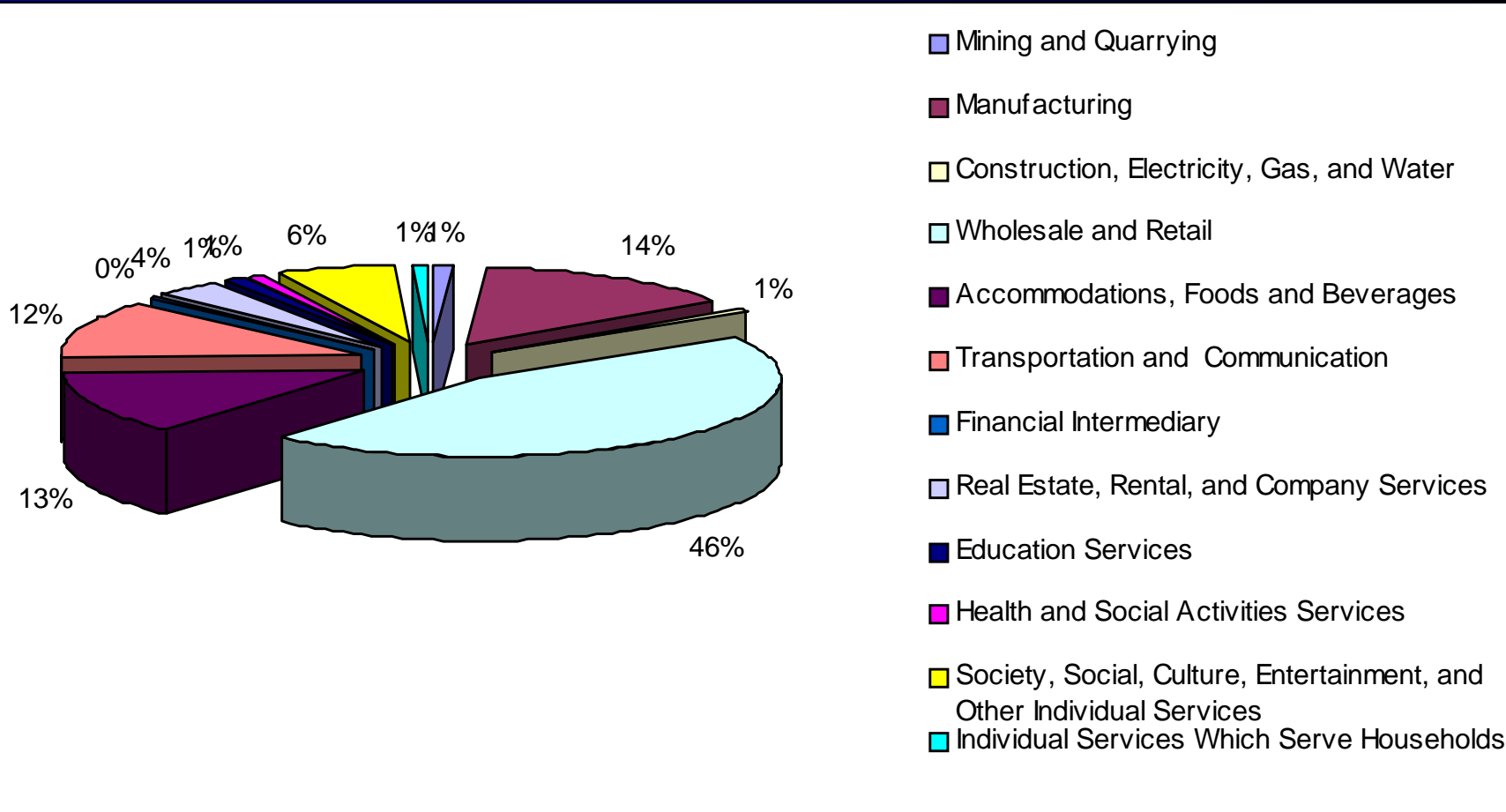
General (1)



- ❑ The Indonesia Economic Census (EC) is a national project which is regularly carried out in ten years period.
- ❑ According to the Indonesian Statistical Law issued in 1997, BPS is the responsible agency to conduct major censuses in a regular decennial cycle (once every 10 years)



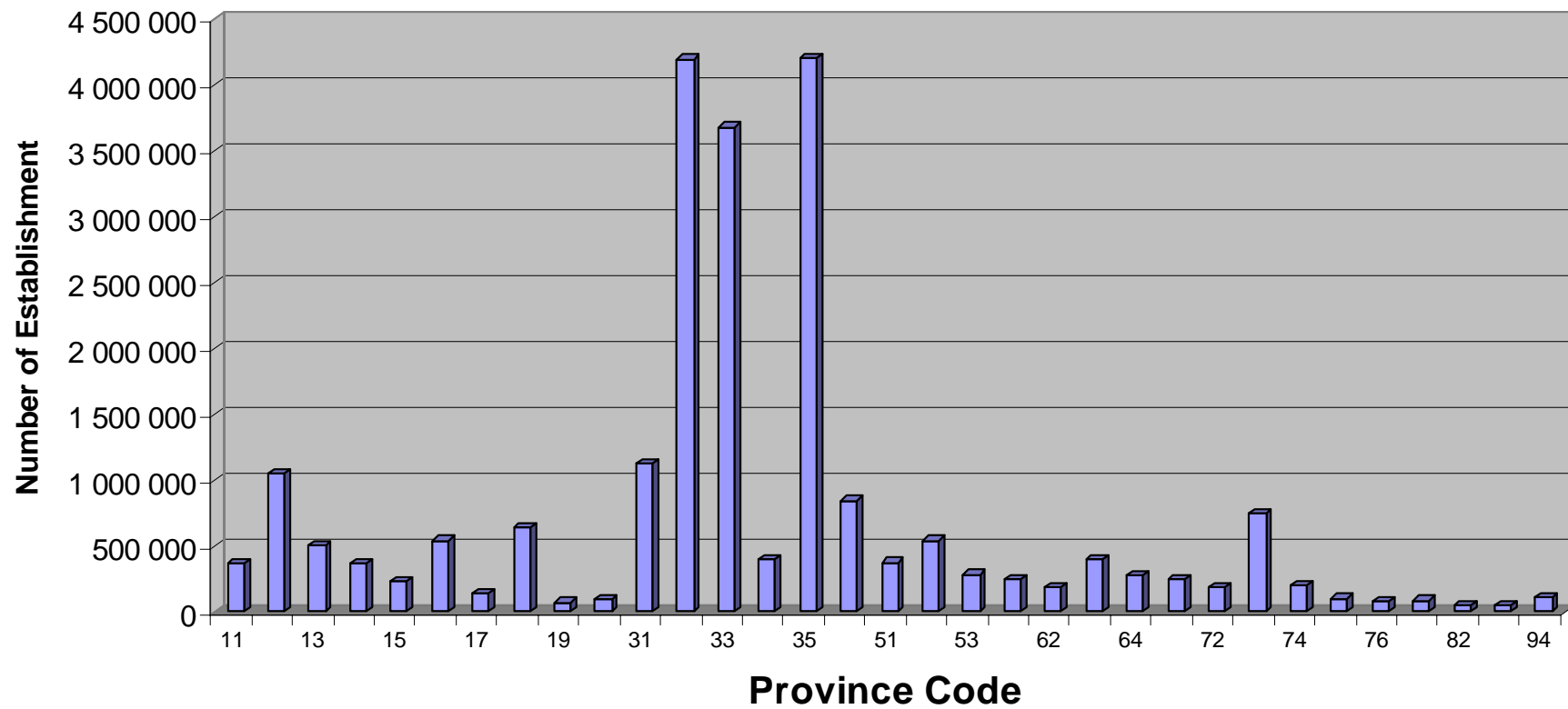
Percentage of Establishment by Categories (EC06-CS)



Total of Establishment : 22.656.746



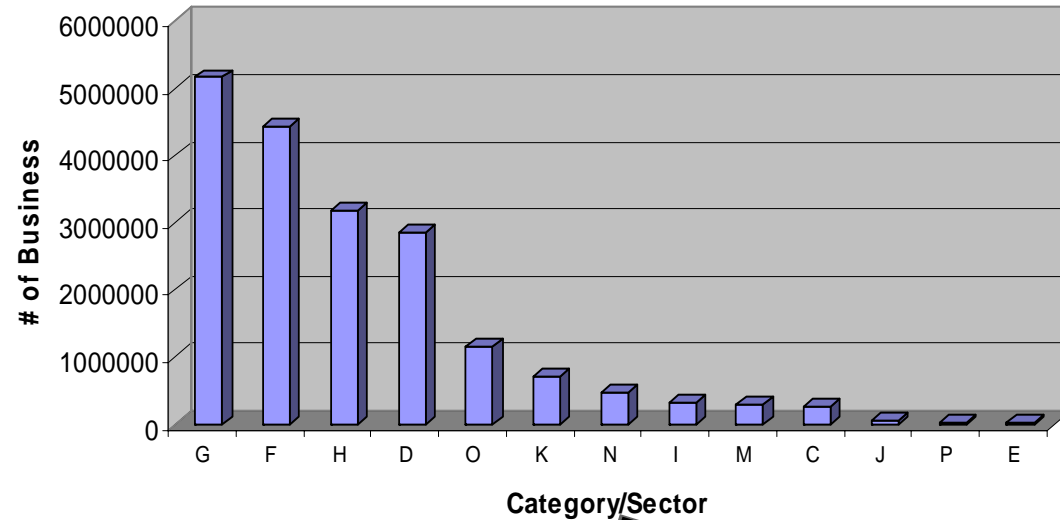
Distribution of Establishment by Province



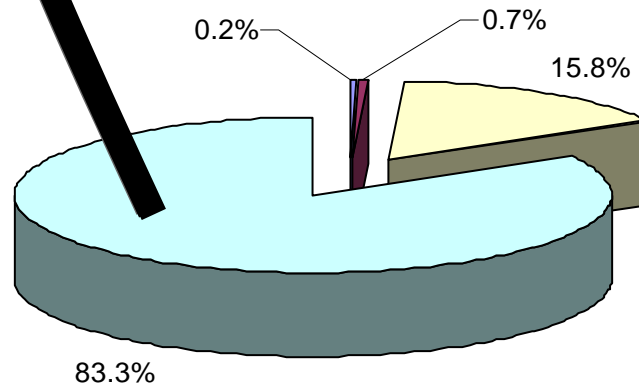
Percentage of Establishment by Scale of Business



Distribution Micro Scale Business (18.9 Million)



Number of Establishment by Scale



- Large
- Medium
- Small
- Micro

- G. Wholesale and Retail
- F. Construction
- H. Accommodations, Foods and Beverages
- D. Manufacturing
- O. Society, Social, Culture, Entertainment, and Other Individual Services
- K. Real Estate, Rental, and Company Services
- N. Health and Social Activities Services
- I. Transportation and Communication
- M. Education Services
- C. Mining and Quarrying
- J. Financial Intermediary
- P. Individual Services Which Serve Households
- E. Electricity, Gas, and Water

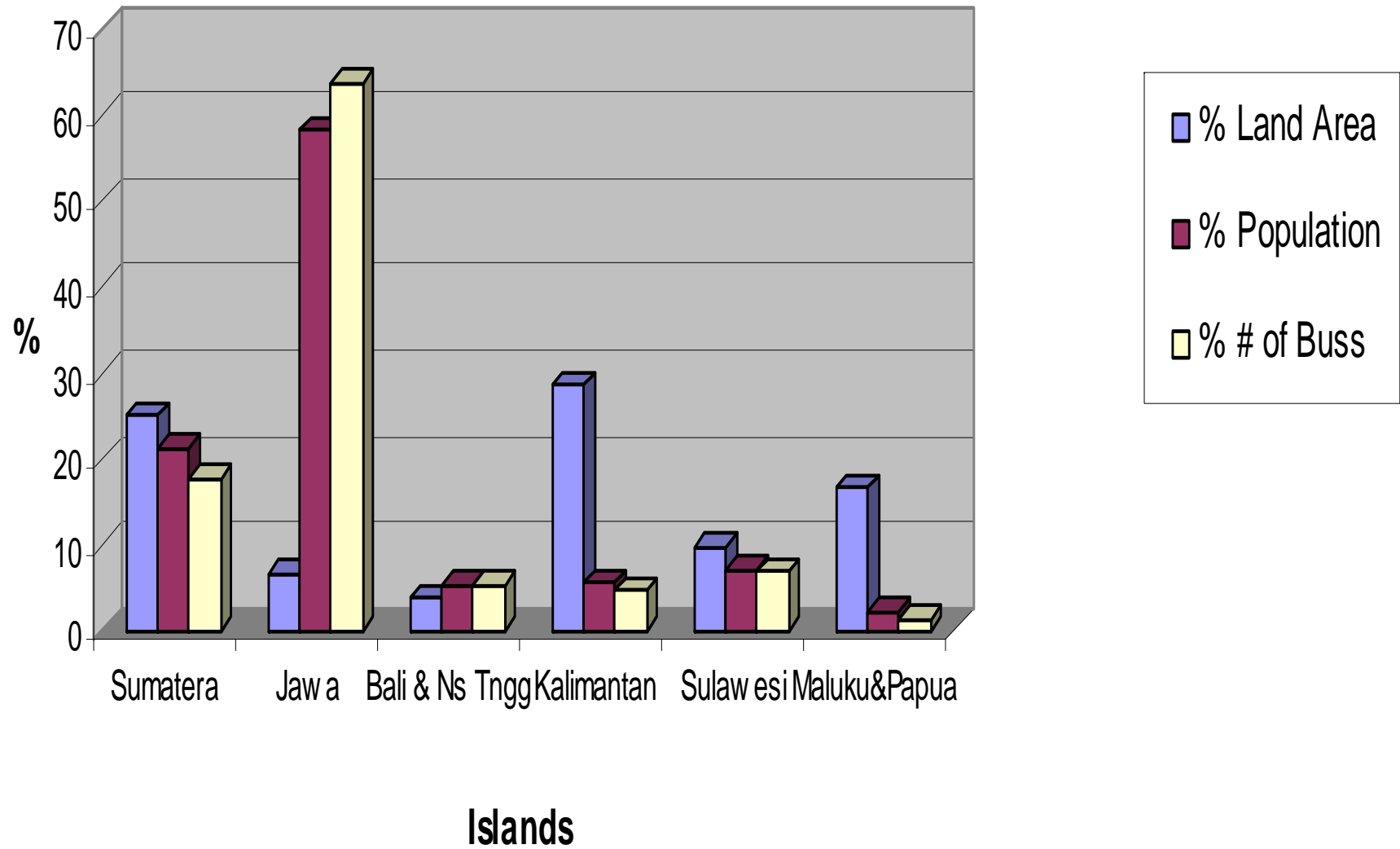
INDONESIA BY PROVINCE
NUMBER OF ESTABLISHMENT BY INDUSTRY
MANUFACTURING INDUSTRY



NUMBER OF ESTABLISHMENT



% Land, % Pop, and % Businesses



General (2)



- ❑ The EC provides a detailed portrait of the Nation's economy, from national to the local level
- ❑ The 2006 Economic Census (EC06) covers nearly entire of the Indonesia economic sector (excluding agricultural sector) in its basic collection of establishment statistics.
- ❑ The need of:
 - Sampling frame for Economic Surveys that is included of large size establishments and micro-small-medium establishments survey.
 - Population and Characteristics of micro, small, medium, and large (MSML) Enterprises.
 - Economic activities and establishments by category, size and administrative region.

Objectives



General

To provide and disseminate database of economic activities. Such database consists of number and characteristic of establishments and all scale enterprise activities in various non-agricultural economic sectors.

Specific

- To provide number of establishment elaborated by industrial sector/category, activity, business scale, and region
- To provide basic information on various business issues elaborated by industrial sector/category, business scale, and region
- To disseminate basic statistics related to the non-agricultural economic activities up to small area statistics
- To compile a complete and integrated maps and directories of establishments in each district/ regency/municipality
- To develop a complete sampling frame that will be used in surveys especially surveys in economic area

General Activity



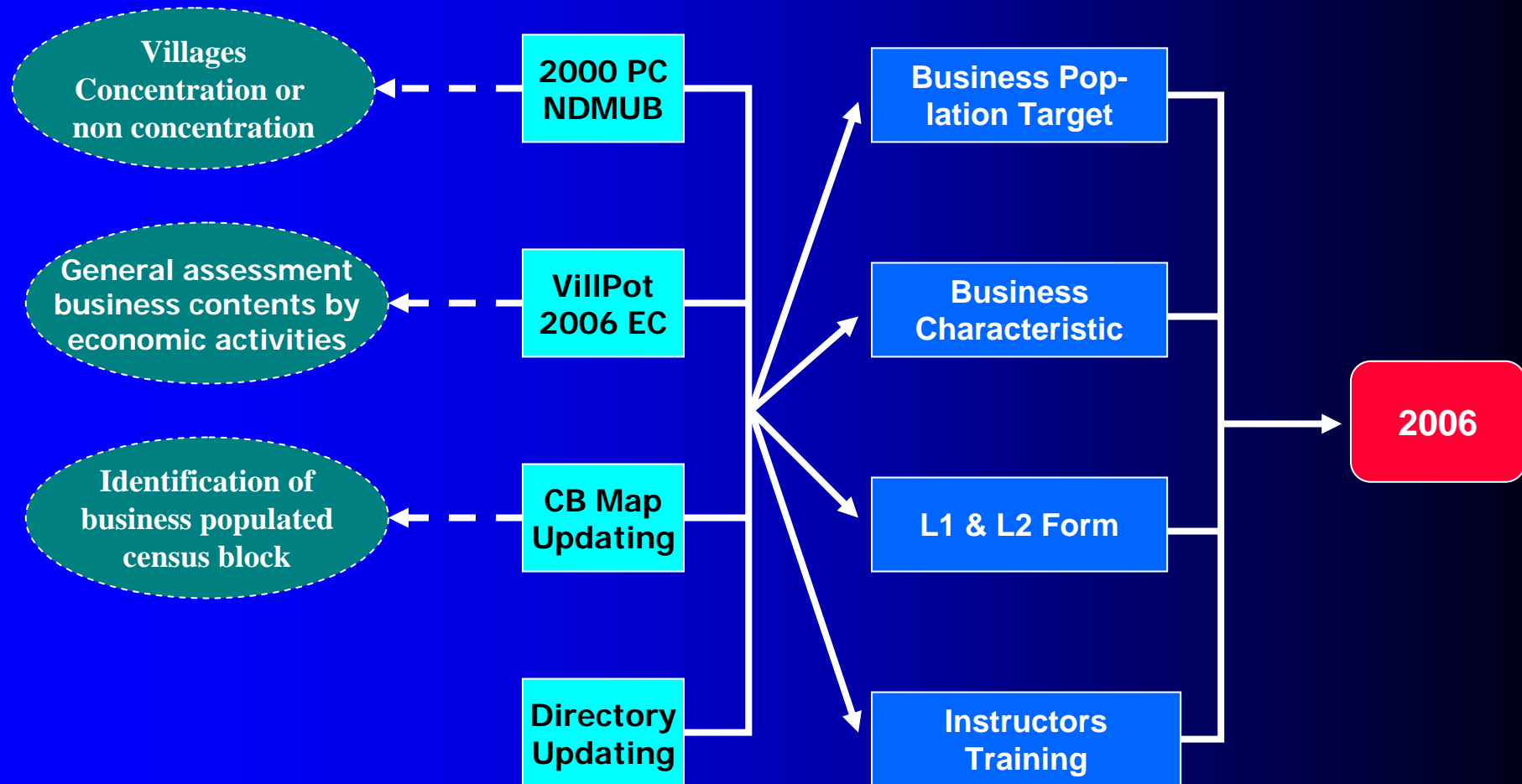
The 2006 Economic Census Activities Period

- ❑ (2004) Initial Period: Pilot Study, Pilot I, II
- ❑ (2005) Preparation: GR Listing, Finalization, Procurement, Printing, WS, Training
- ❑ (2006) Listing activities - 1st phase: Training, Field Operation, Prep for Detail, Tryout for detail
- ❑ (2007) Continuation (sample census)- 2nd phase: Questionnaire checking, sample withdrawn, field operation, Initiate processing
- ❑ (2008) Processing, Tabulation and Publication
- ❑ (2009) Analytical and detail presentation

THE 2006 ECONOMIC CENSUS ACTIVITIES



Preparation : 2005



PC: Population Census

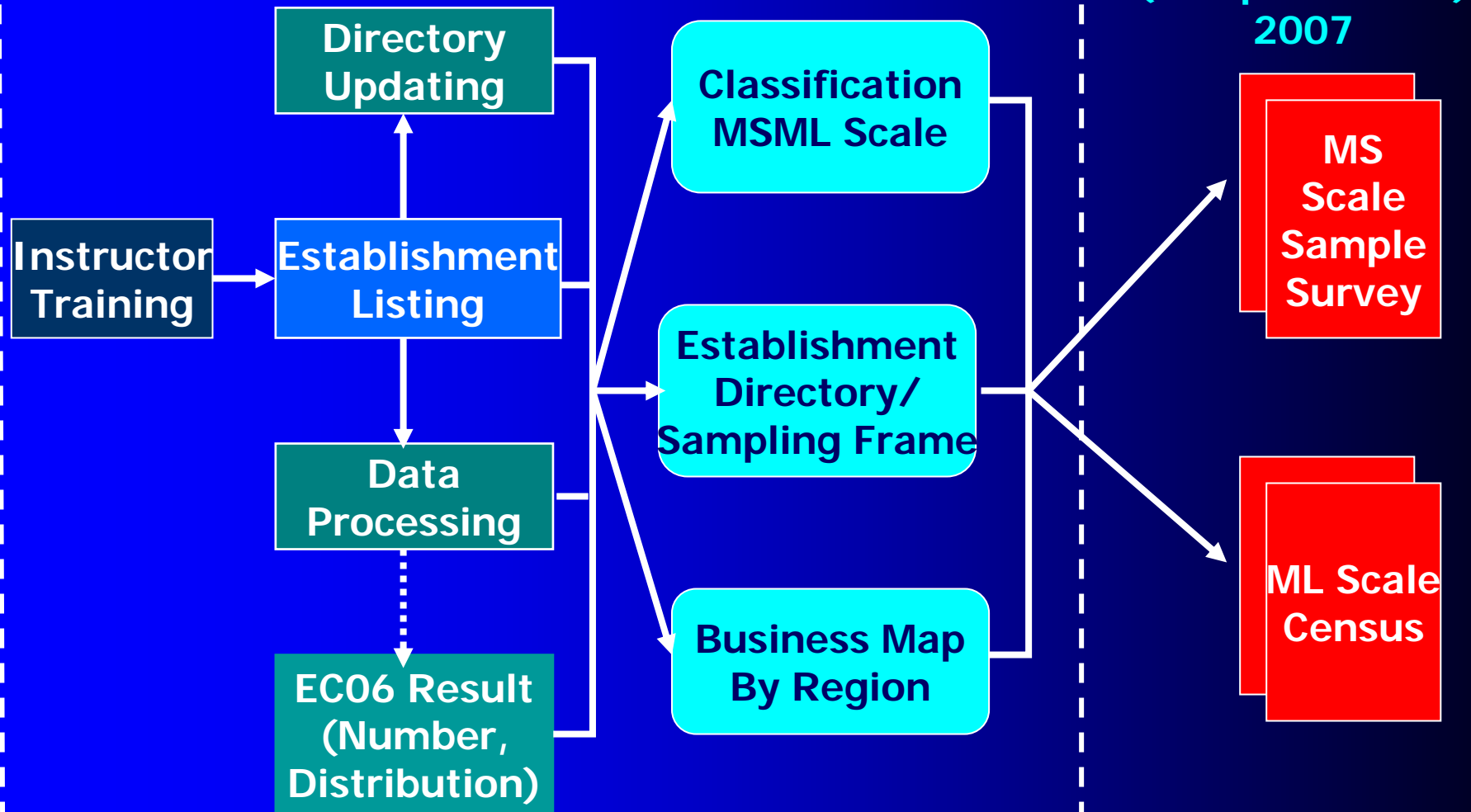
NDMUB: Non dwelling and Mix Used (dwelling and business) Building

ViliPot: Village Potential Survey

THE 2006 ECONOMIC CENSUS ACTIVITIES



Listing Activities : 2006





LISTING ACTIVITIES

PHASE I OF THE 2006 ECONOMIC CENSUS

OBJECTIVE



- **To create the population of Micro, Small, Medium, and large scale of business (MSML) by category & administrative region**
- **To build the Directory of MSML**
- **To build Data base of MSML**
- **To construct the GIS or potential map of the MSML**

COVERAGE



All economic activities (establishment/enterprise/business) in both permanent and non-permanent location conducted in Indonesia

Industrial sector/category coverage

All categories/sector excluding agricultural, animal hunting, forestry, and fishery (A, B category) and government administration, defense and compulsory social security (L category)

Area coverage

- **33 provinces, 91 municipalities, 349 regencies, 5,357 sub-districts, and 70,269 villages**
- **Population: 222.2 million**
- **Total hh: 56.1 million.**
- **Island: > 13.000 islands**

INDONESIAN ISIC



Category Economy Activities

A	Agriculture, hunting, forestry
B	Fishing
C	Mining, quarrying
D	Manufacturing
E	Electricity, gas, water supply
F	Construction
G	Wholesale/retail trade
H	Accommodation & food/drink service
I	Transportation, warehousing, communication
J	Finance and insurance
K	Real estate, rental, establishment services
L	Gov administration, social services
M	Educational services
N	Health services, social assistance
O	Society services, social, others
P	Individual services for hhs
Q	International institutions, others
X	Activities are not clear

DATA COLLECTED



1. Name of the establishment/business
2. Address of the establishment/business
3. Legal status of the establishment/business
4. Industrial sector/category of main activity of establishment/business
5. Operating time of the establishment/business
6. Number of workers by gender
7. Networks of the establishment/business
8. Assets and wealth of the establishment
9. Production/turnover/income
10. Months of worked
11. Average days of worked a month
12. Average hours of worked in a day



19. Assets owned by business/establishment at the end of year 2005 ¹⁾ :

- a. Land and Building : Rp.
- b. Current Assets : Rp.
[such as: cash money, bonds, deposit money, credit, and stock of goods]
- c. Capital shares/Investment
To others : Rp.
- d. Fixed Assets : Rp.
[not included land, building, such as: machines, vehicles office equipment, included intangible assets, peralatan kantor, termasuk barang modal tidak berwujud/intangible assets (patent, copyright, and others)]
- e. Others Current Assets : Rp.

¹⁾ For business/establishment which just operates commercially in year 2006: assets are valued at last month

20. Total production/total sale/revenue in year 2005 ²⁾ :

- a. Main activity : : Rp.
- b. Other activities : Rp.
- c. Total **a** and **b** : Rp.

²⁾ In year 2006 (for business/establishment which just operates in 2006)

The Listing Methodology



Stratification:

Villages stratification

created based on the number of census building, which are not dwelling or mix-used (used for dwelling and business) building (NDMUB) taken from the 2000 Population Census;

Non-concentration : The # of NDMUB $<$ 150

Concentration : The # of NDMUB \geq 150

Census block stratification

classified based on the number of NDMUB in the block.

non-concentration census block: NDMUB $<$ cut off point

concentration census block: NDMUB \geq cut off point

NDMUB Cut Off Point



Cut off Point	Province
25	East Nusa Tenggara, Southeast Sulawesi, Maluku, North Maluku, West Papua, Papua
30	North Sumatera, South Sumatera, Lampung, Bangka Belitung, West Nusa Tenggara, North Sulawesi
35	Central Java, East Java, South Kalimantan, East Kalimantan, South Sulawesi, West Sulawesi, Gorontalo
40	Aceh, Jambi, Bengkulu, West Jabar, West Kalimantan, Central Kalimantan
45	West Sumatra, Riau, Riau Islands, Jakarta, Yogyakarta, Banten, Bali, Central Sulawesi

The Method of Listing



Door to door:

- applied for census block concentration
- the enumerators visit all buildings to record the establishments/business that located in the building and around the building;
- the small traditional business outside of the building (street vendor) will be collected in their location (for the fixed location)
- the mobile traditional vendor, that going around from place to place, will be collected in their home

The Method of Listing



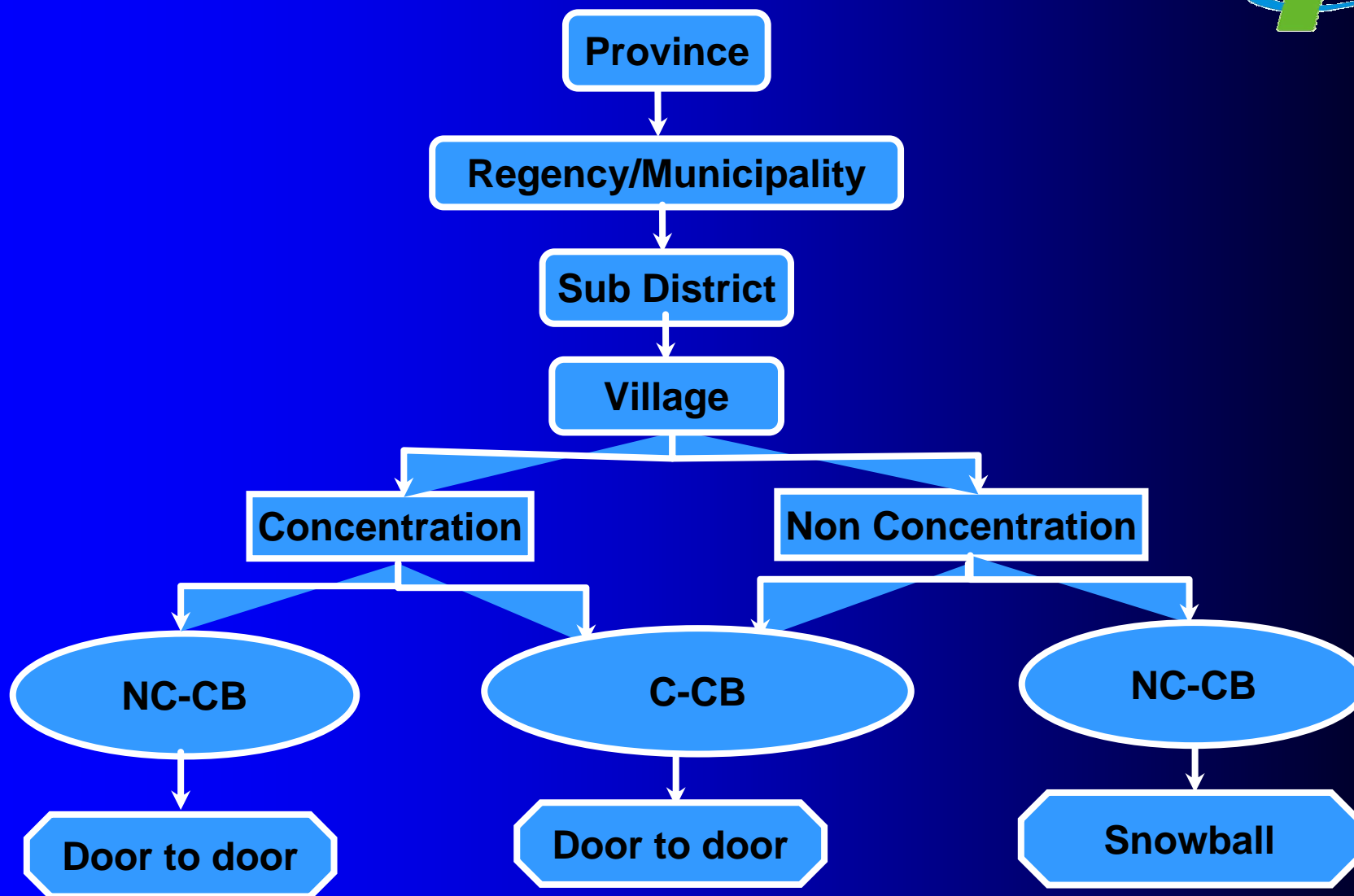
Snowball:

- The enumerators don't need to visit all buildings. Based on information from the head of village or personage or prominent figures, the enumerators visited the business men/women and continue until finish.
- The enumerators and the supervisors need to pay attention regarding the completeness of the establishments listed. The weakness of this method is the difficulty to catch the hidden economy activity (like home rent, multi level trading, hidden home industries)



FIELD OPERATION

ENUMERATION METHOD (1)

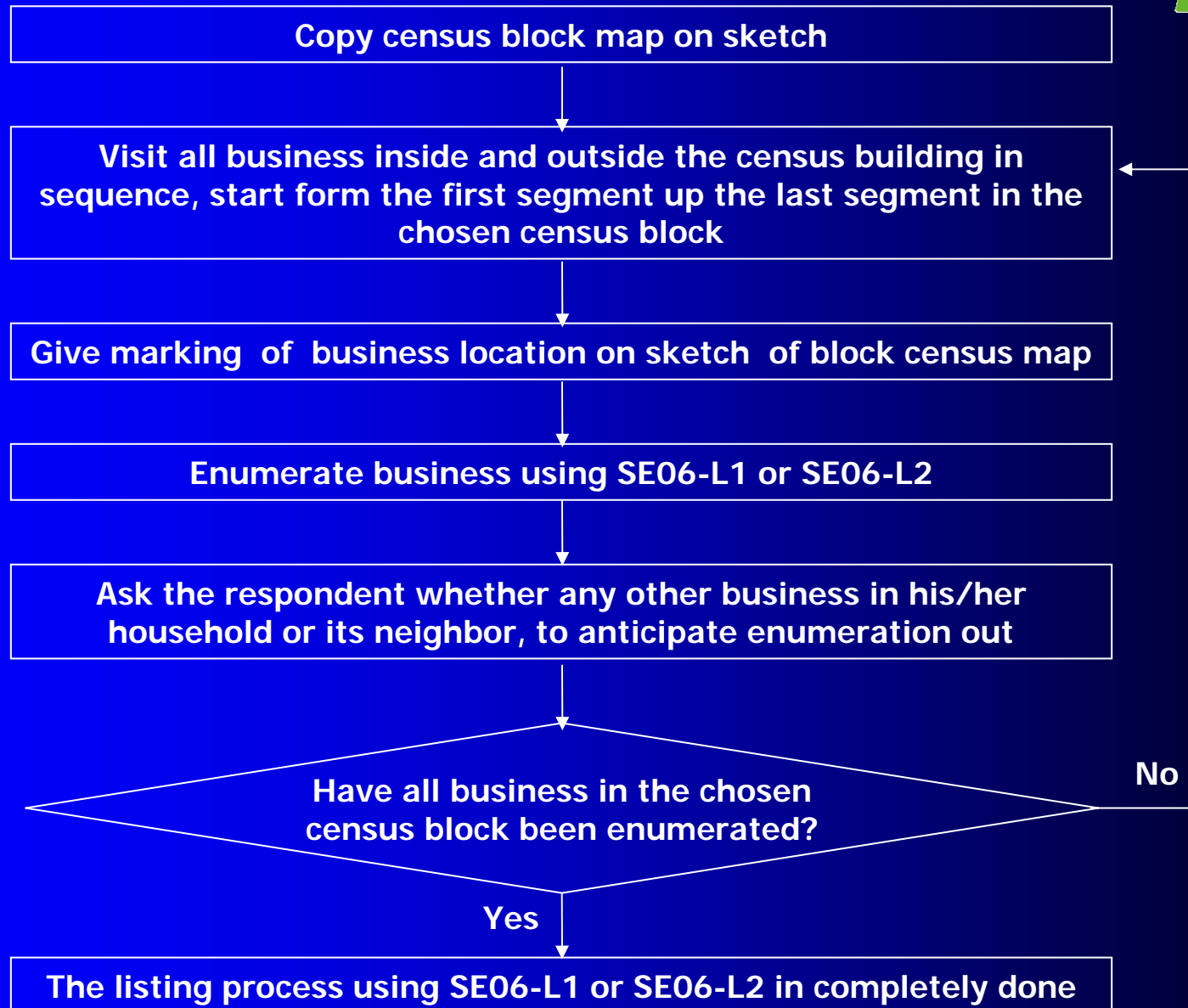


The Instruments of Listing Enumerator

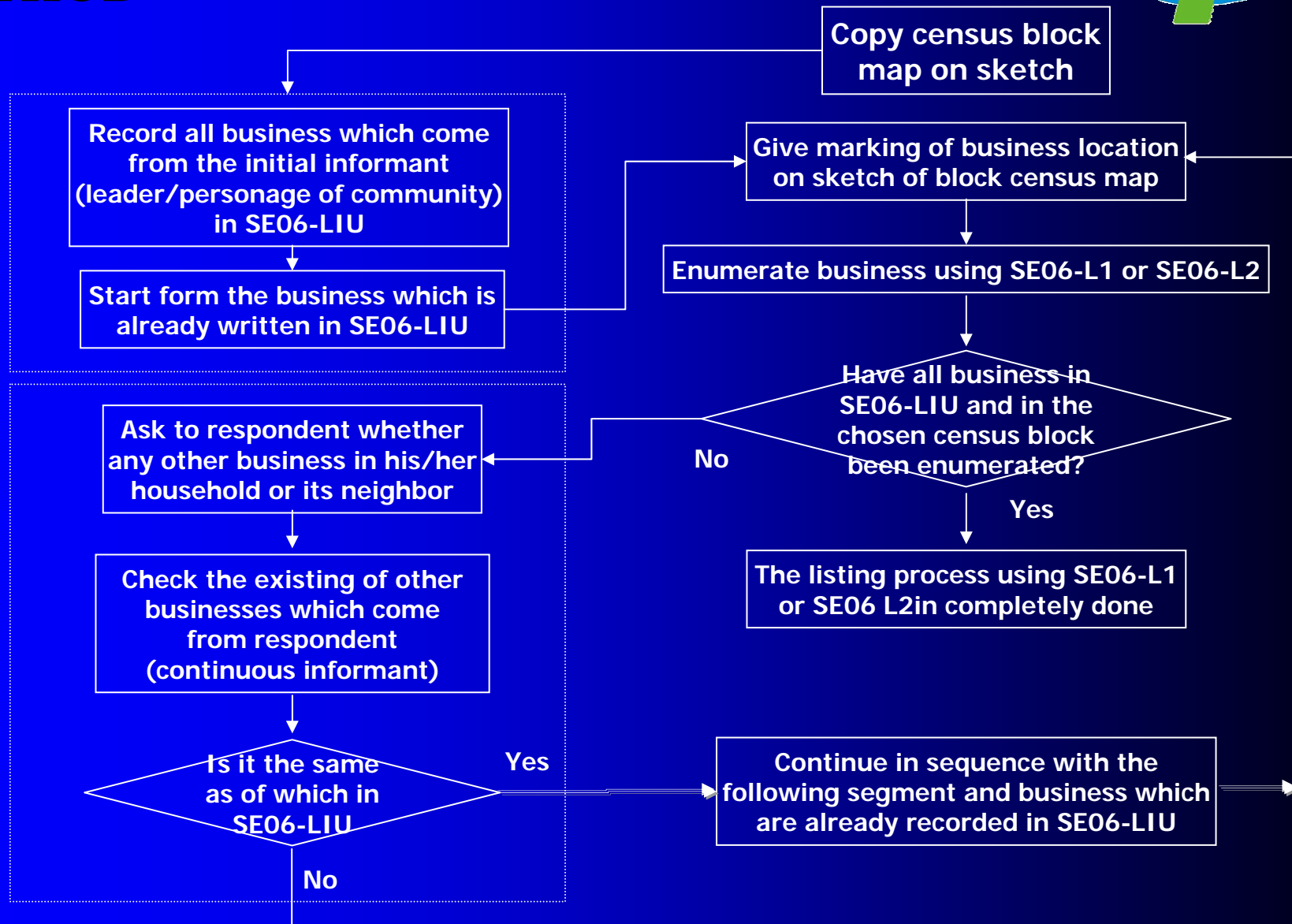


- The map of census block, village
- The questionnaire (L1&L2, LIU, RBS)
 - L1: non permanent location business (street vendor)
 - L2: permanent location business
 - LIU: the list of establishment/business from the first source of information (snowball): personage or prominent figures
 - RBS: the summary of the number of establishment for each census block/village.
 - The manual/guidance book

THE LISTING PROCESS USING “DOOR TO DOOR” METHOD



THE LISTING PROCESS USING “SNOWBALL” METHOD



ENUMERATION FORM AND MANUALS



- 1. Form of SE06-L1**
- 2. Form of SE06-L2**
- 3. Form of SE06-LIU**
- 4. Form of SE06-RBS**
 - a. Book 1 : Manual for BPS Prov/Reg/Mun**
 - b. Book 2 : Manual for Instructor**
 - c. Book 3 : Manual for Sub District Officer**
 - d. Book 4 : Manual for Enumerator**
 - e. Book 5 : Manual for KBLI Implementation**
 - f. Book 6 : Manual for Editing/Coding**
 - g. Book 7 : Manual for Data Processing**
 - h. Book 8 : Manual for Rare/Border Cases**

Enumerator Workload



Region	Strata of Village	
	Concentration	Non Concentration
Municipality <ul style="list-style-type: none"> ● Urban Village ● Rural Village 	1 FE = 2 CB 1 FE = 2 CB	1 FE = 3 CB 1 FE = 1 Village
Regency <ul style="list-style-type: none"> ● Urban Village ● Rural Village 	1 FE = 2 CB 1 FE = 2 CB	1 FE = 3 CB 1 FE = 1 Village

Number of Field Staff



- 1. Master Instructor: 35**
- 2. National Instructor: 144**
- 3. Regional Instructor: 245**
- 4. Sub District Officer: 5466**
- 5. Assistance Sub District Officer: 16.160**
- 6. Field Coordinator: 17.44**
- 7. Field Guide: 27.354**
- 8. Field Enumerator: 182.900**



DETAIL ACTIVITIES (Census-Sample)

PHASE II OF THE 2006 ECONOMIC CENSUS

OBJECTIVES



- To obtain detail information for micro, small, medium and large scale business/establishment as basic materials for planning and analysis micro and small economic activities in Indonesia
- To obtain *benchmark* and database for the following economic surveys up to the next Economic Census

ENUMERATION UNIT



The concept of enumeration unit is:

Establishment

COVERAGE



- All categories (2, 3, 4, or 5 digits KBLI 2005 according to specific sub population characteristics)
- Both establishment from SE06-L2 (permanent location) and SE06-L1 (non permanent location)
- Establishment/business with micro and small scale (UMK), medium and large scale (UMB) in all Indonesian

COLLECTED INFORMATION (1)



The questionnaire for medium and large scale establishments
SE06-Sample Census FY 2007

BlockNo	Descriptions	Type of Q CRe -1 MODUL -2
I.	Place Identification	1
II.1	General Information	1
II.2	Specific Information	2
III.	Workers and Their payment	1
IV.1	General Expenses	1
IV.2	Special Expenses	2
V.	Output/Turnover/Income	1
VI.	Summary	1
VII.	Establishment Account	1
VIII.	Changes in Fixed Assets	1
IX.	Capital	1
X.	Obstacles and Prospect	1
XI.	Notes	1
XII.	Ratification	1

COLLECTED INFORMATION (2)



The questionnaire for micro and small scale establishment

SE06-Sample Census FY 2007

BlockNo	Description	Type of Q
		Core - 1 Module - 2
I.	Place Identification	1
II.1	General Information	1
II.2	Special Information	2
III.	Workers and their payment	1
IV	General expenses during last month	1
V	Income during last month	1
VI.	Summary	1
VII.	Capitals	1
VIII.	Business Obstacle and prospect	1
IX.	Notes	1
X.	Confirmation	1
XI.	Enumerator Information	1

POPULATION TARGETS/ SUB POPULATION



- Establishment/business from SE06-L1 (mobile location) and SE06-L2 (permanent location) within districts/municipalities separated into two different sub population
- Establishment/business from SE06-L1 classified according to:
 - Business location in alley/corridor, Side street vendor (K5), mobile vendor and motorcycle transportation.
 - Business scale (micro and small).
 - 2, 3, 4, and 5 digits categories based on KBLI 2005 in each District/Municipality
- Establishment/business from SE06-L2 classified according to:
 - Business scale (micro and small)
 - 2, 3, 4, and 5 digits categories based on KBLI 2005 in each District/Municipality

METODOLOGY



- Medium and Large Establishment/business (MLB): complete enumerated (± 191.000).
 - MLB-New
 - MLB-Routine
 - MLB-Special
- Micro and Small Establishment/business (MSB): sample enumerated ($\pm 1,2$ million).
- Determination of the sample size: BPS for each sub population target in every district/municipality.
- Sample withdrawn done in province office for each district/municipality, sub population target based on determined sample size.

Questionnaire & Manuals



- **Micro and Small Business (MSB/UMK)**
 - SE06-UMK Produksi (Production)
 - SE06-UMK Distribusi (Distribution)
 - SE06-UMK Jasa-Jasa (Services)
- **Medium and Large Business (MLB/UMB)**
 - UMB Baru (New) – 16Q
 - UMB Berkala (Routine) – 21Q
 - UMB Khusus (Special) – 9Q
- **Field Guidance Manuals – 9 books**
- **Processing Guidance Manuals – 7 books**



SUPPORTING INFO FOR THE FIRST STAGE OF EC06

Nbr of regencies	349	
Nbr of Municipalities	91	440
Nbr of Sub-Districts	5,357	
Nbr of Concentration Villages	8,722	
Nbr of Non Concentration Villages	61,547	70,269
Nbr of Concentration CB	27,364	
Nbr of Non Concentration CB	489,378	516,742
Nbr of Establ in Permanent Location	12,952,451	
Nbr of Establ in Non Permanent Loc	9,784,335	22,736,786
Nbr of Mobile Businesses	30%	



THANK YOU