Integration of Base Registers in a Statistical Register System

Philippines

Registers and Databases

Census Data
- Census of Population and Housing
- Census of Agriculture and Fisheries
- Census of Philippine Business and Industry

Household-Based Data
- Family Income and Expenditure Survey
- Annual Poverty Indicators Survey
- Family Planning Survey
- Labor Force Survey
- National Demographic and Health Survey
- Survey on Children
- Functional Literacy, Education, and Mass Media Survey
- Household Energy Consumption Survey
- Survey on Overseas Filipinos
- Household Survey on Domestic Visitors

Industry-Based Data
- Annual Survey of Philippine Business and Industry
- Monthly Integrated Survey of Selected Industries
- Producer Price Survey
- Price Survey
- Survey of Tourism Establishments in the Philippines
- Survey on Information and Communication Technology
- Survey of Energy Consumption of Establishments

Administrative-Based Data
- Foreign Trade Statistics
- Commodity Flow in the Philippines
- Construction Statistics from Approved Building Permits
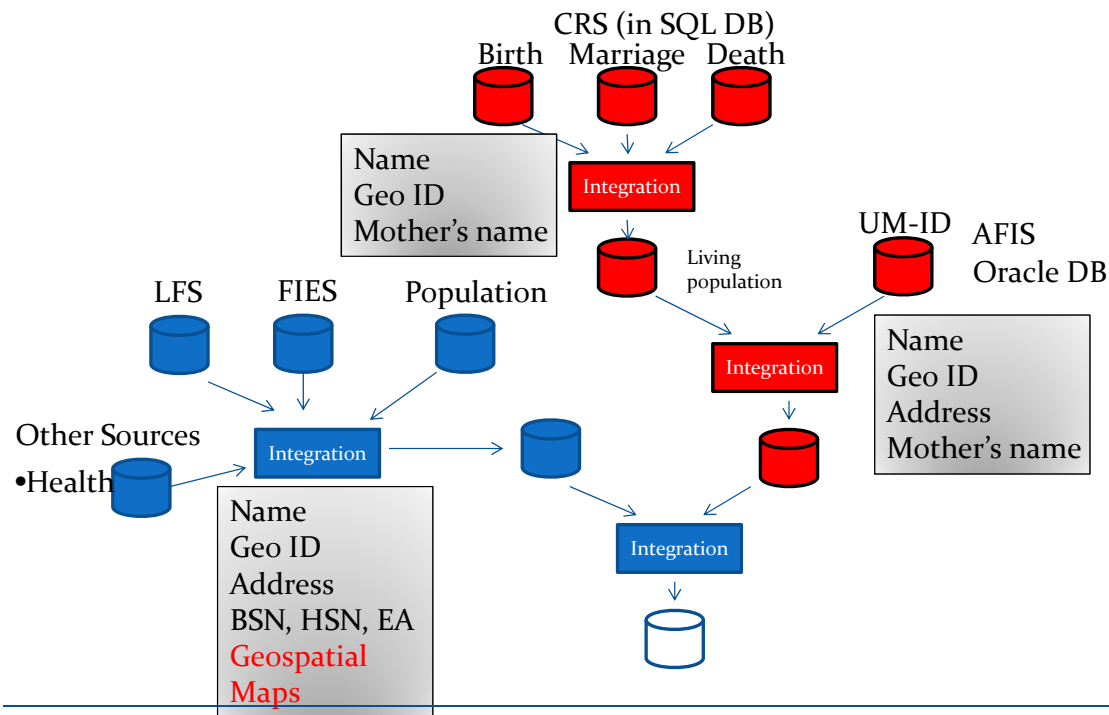- Vital Statistics and UMID-DB

Integration of Base registers

➢ No methods for linking data sources are in place

➢ Plan
  - ❑ Identify the statistical units and their definitions in each administrative source
  - ❑ Identify the statistical units that has unique codes
  - ❑ Identify the statistical units that may be used for linkage
  - ❑ Methods to be used for linkage between sources
  - ❑ Create a reference file as linkage

Possible link between sources

- Lack of Laws or MOU between agencies
- Start on PSA registers (what we have)
- Initial integration of most requested data/documents

Possible link

CRS (in SQL DB)

Birth   Marriage   Death

Name
Geo ID
Mother's name

Integration

Living population

UM-ID   AFIS
Oracle DB

LFS   FIES   Population

Integration

Name
Geo ID
Address
Mother's name

Other Sources
•Health

Integration

Integration

Name
Geo ID
Address
BSN, HSN, EA
Geospatial
Maps

Integration

Processes

- Automated by creating application or DB link syntax or command
- Manual processing (may take time)
  - Matching
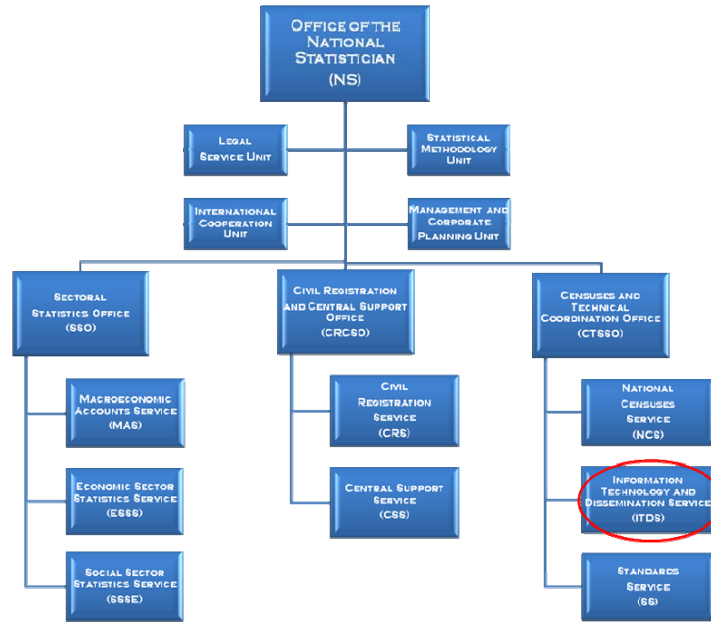 - Verification

Benefits

- Minimal Cost
  - Censuses – government is spending $50M
  - Census will be translated into survey
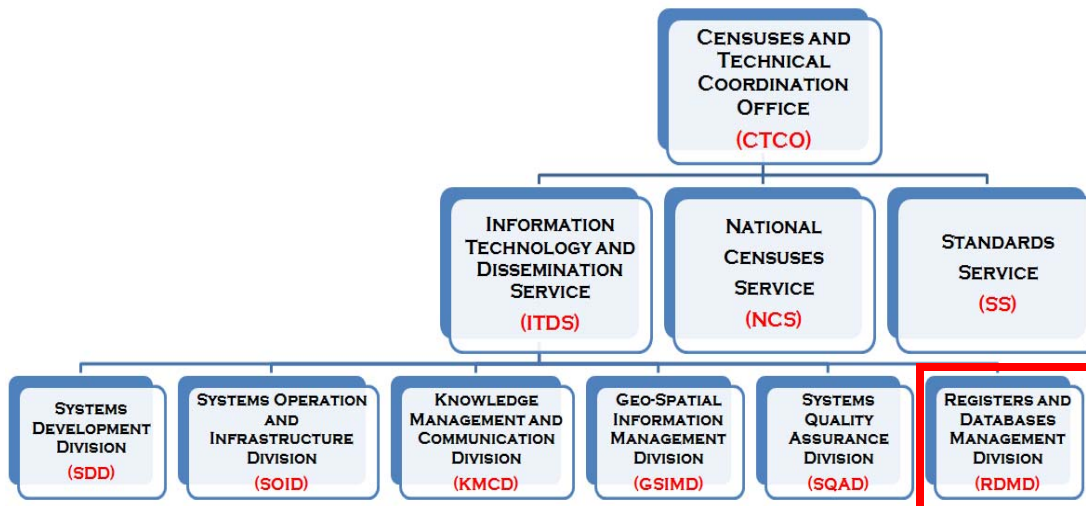- Comprehensive Sample Frame

Challenges

- Blurred scanned images
- Different name reported in various sources
- Geo-ID is not consistent
- Mother's name (maiden name)
- GPS reading is not accurate
- Maps not yet digitized
- Lack of personnel

Plan on Establishing
Statistical Register System

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Function of the proposed division, Registers and Databases Management Division:

1. Implements data control and quality assurance for records and images of various databases and registries maintained by PSA.

2. Undertakes document and data conversion processes through image scanning and data entry operation for the archiving of statistical materials.

3. **Organizes and maintains digital archives of census/survey files, tables, publications, questionnaires and manuals as well as other official communications and documentation.**

4. **Manages, organizes and maintains the contents of statistical databases including data loading of records and relevant meta data.**

5. **Designs, develops and maintains statistical databases and related applications system to enable online access of data and to support the dissemination thrust of PSA**

6. Implements the functions as Central Verification and Enrolment Agency of the Unified Multi-Indentification (UMID) such as generation of Common Reference File (CRN) and maintenance of CRN registry, research and investigation of suspect biometrics matches, and management and operation of UMID Conformance Lab.

7. Conducts cross-matching of records between UMID and Civil Registry database.

	Strengths	**Weaknesses**
	Abundant of sources Technical Staff	Lack of laws/MOU Lack of personnel
Opportunities		
UN - SIAP Cooperation among agencies	Provide training and seminars	Training and seminars
Threats		
Confidentiality IT security	Information dissemination Strengthen IT security and build IT infrastructure	Info dissemination, training, seminars, etc. Recruitment of technical and IT staff