



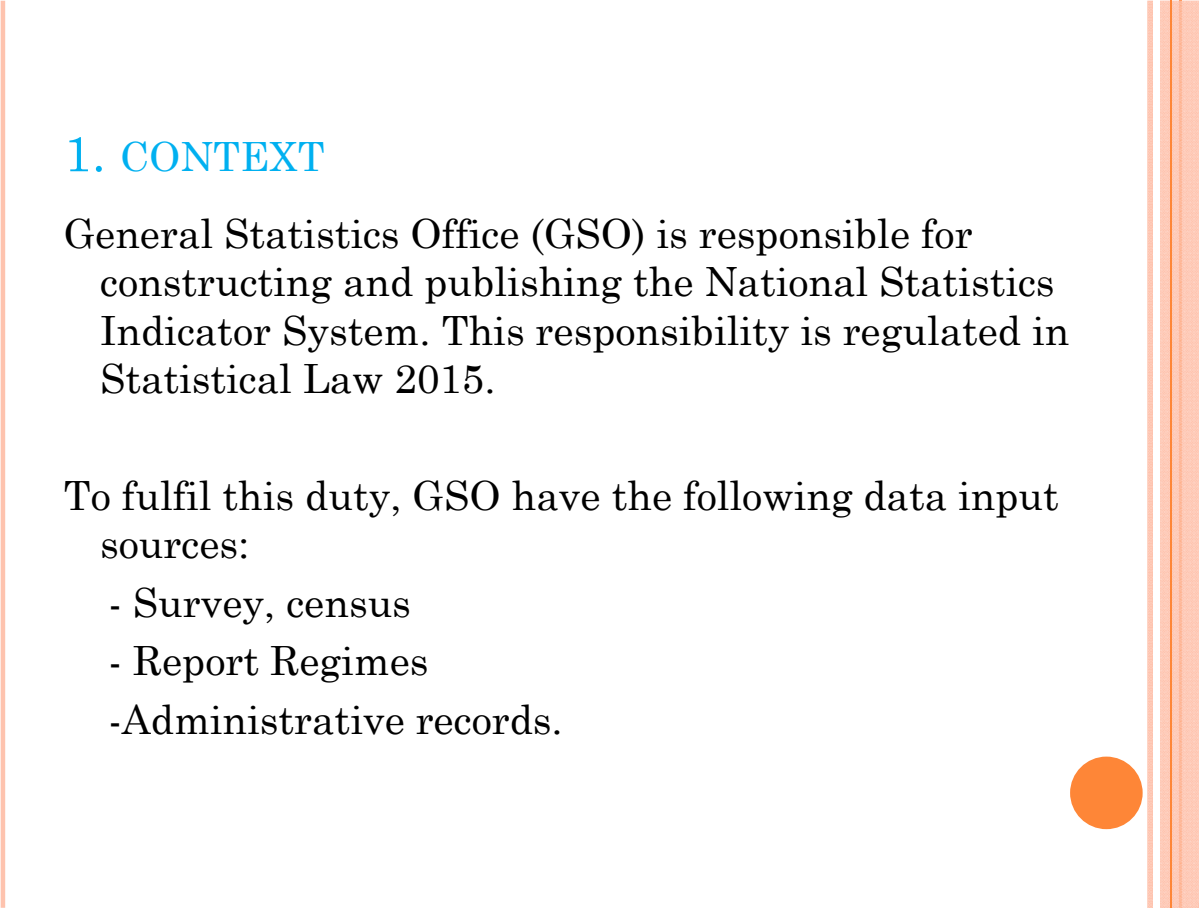
Business Database for Statistic (BDS) of Vietnam

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1. CONTEXT

General Statistics Office (GSO) is responsible for constructing and publishing the National Statistics Indicator System. This responsibility is regulated in Statistical Law 2015.

To fulfil this duty, GSO have the following data input sources:

- Survey, census
 - Report Regimes
 - Administrative records.
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1. CONTEXT (CONT.)

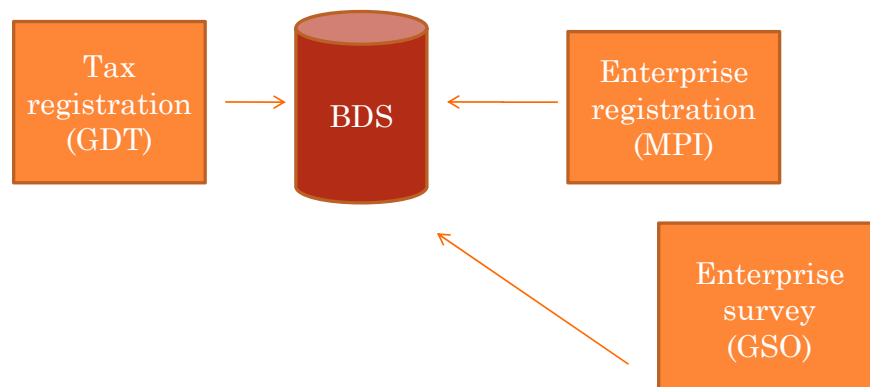
Most of the administrative records are not updated, the information shared between ministries is limited.

Currently, GSO has two administrative data sources:

- Import/export data from Custom Agency
- Business database for Statistic

2. THE FORMATION OF VIETNAM'S SBR

- Vietnam's SBR (BDS) was built from 2002 under the technical support of Statistics Sweden (SCB)
- The process of BDS can be illustrated by the following graphic:



2. THE FORMATION OF VIETNAM'S SBR (CONT.)

Main variables of BDS: business demographic information, birth, death, employee, capital, kind of business units, business activities.

Number of records is about more than 3 millions.

Sectors: State, FDI, Private

Industry and Products: Follow ISIC 4.0 and CPC
Criterion to sort enterprise: Capital

2. THE FORMATION OF VIETNAM'S SBR (CONT.)

Data source:

- Tax registration data: information of tax paying
- Enterprise registration data: information of enterprise on establishment license
- Enterprise survey data: include identified information of enterprise and the business result of enterprise

3. OBJECTIVE OF BUILDING SBR

- Provide the frame to conduct sample surveys relating to business units at local unit level
- Reduce responses burden in enterprise survey
- Save cost and time
- As the foundation to calculate some statistical indicators and reduce content of questionnaire of enterprise survey
- Update to Master sample frame

4. PROFILLING PROCESS

- Data is mapped between 3 Agencies: GSO, GTD and MPI. The linking information between different sources in SBR is **tax code**
- MPI's register centre provides information on business license, including tax code, name, address, telephone number...
- GTD provides tax paying, tax code, demographic information.

4. PROFILLING PROCESS (CONT.)

- GSO updates information of business revenue, labour... through enterprise sample surveys.
- Priority update table: which indicators are priority to update from Tax data, which indicators are priority to update from survey data.
- Tax register data is overwritten based on the priority rule of update table. (Tax data is created new records over the year)

4. PROFILLING PROCESS (CONT.)

- The mismatch information will be checked and corrected automatically or by hand. Using SQL software to check information, staffs use the telephone calls to check and correct information.
- Beside the BDS, GSO develops CC_DB (classification and code database). The function of CC_DB likes metadata that contains all code, classifications and code mapping.

5. PROBLEM

- **Code and classification divergence:** while GSO uses new code and classification version, GTD and MPI's Business Registration Agency use old version: Administrative Classification, ISIC etc.
- **Difference disaggregation:** GSO uses information of legal status, ownership and sector to create type of enterprise but GTD uses information of category, level code, economy.

5. PROBLEM (CONT.)

- Tax Office do not update full tax information of all enterprise at country level, their data is for their business only. Tax data is not available the key information: number employee of enterprise; business activities of enterprise
- There are not data sharing policy between Governmental ministries
- Enterprises always move their offices (address is dynamic)

5. PROBLEM (CONT.)

- Technical issue: change the method of currently sample survey (reduce content, sample size at local unit level)
- Technological issue: requires to invest an system (hardware + software)
- Resources: large of work to maintain and update SBRs

6. SOLUTION

- *Create data sharing policy between agencies.* GSO and GTD has signed the Memorial Note on data sharing. GSO will receive the Tax register (*same business register*) and Tax data of business units. Data is transferred every month from Tax office and Business registration Agency to GSO (update more frequently). GSO is implementing to sign the Memorial Note on data sharing with Customs Agency on import/export data.
- Build the solution to connect directly with General Tax Department to get data online and automatically.

6. SOLUTION (CONT.)

- Find the financial as well as technical supports from organisations and Government to maintain and update BDS.

Train the staff to maintain and update information of SDR.

- Order Ministries customize their report system to support statistical purpose.
- Tax data and enterprise registration data need to be converted before update to the system.
- In near future, GSO will conduct to check address of enterprises in field.

