"The need for global, integrated, statistical systems – identifying best practices for Business Registers – The statistical perspective from NSOs and other data providers

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The system for co-ordination of frame populations and samples from the Business Register

Introduction

The System (SIGUA) for co-ordination of frame populations and samples from the Business Register (BR). It has for purpose to integrate the frame populations of annual reference of support to all the statistical surveys in the scope of the unit statistics enterprise.

From BR, at the beginning of each year N+1 the " Year of reference N" with the duration of one year, it will allow to identify and to relate the population frame, bases of sampling and samples.

From these frame populations, sampling to structural surveys and short-term surveys co-ordinated samples will be drawn.

This population frame obeys to defined criteria. The defined criteria to the population frame will be kept in the SIGUA, making possible its consultation.

Whenever its does intended to include a statistics survey in the SIGUA it's necessary to catalogue on that system, in accordance with the described methodology. For the characterization of the samples of each statistics survey set of attributes must be defined, nominated, to identify the type of each statistics survey (structural surveys or short-term surveys), name of the stratum variable, name of the variable to be modified, regularity, possibility to effect substitutions and respective method of substitution, questionnaires to with they are associated, etc.

Functionalities

The responsible of the statistical surveys, has interacted with the system considering update shares on its samples.

The different regularities between the structural surveys and short-term surveys, will lead the different necessities of update of the information.

The bases of sampling consisting for each statistics survey, will allow creating the requested samples for the responsible of the statistical surveys.

This system will arrive all the users through a called window "Window Sample". It is through this window that the users will be able to consider shares of update to the sample. After being in analyzed the respective sample and one stratum they will be incorporated or not in base of sampling and frame population.

A sample survey in the SIGUA is assigned a unique sample survey number

This system will allow the users to visualize not only the proposals of update to the samples of the other statistical surveys where its statistical units are integrant part, but also the remaining statistical surveys.

In such a way, a harmonization of the information is assured between the different statistical surveys.

The statistician, later, analyzes and executes the necessary procedures on the samples and stratus, respective bases of sampling and population frame.

The feed back into the Business Register from sample surveys applies mainly to variables used in the sample design, such as economic activity, number of employees and annual turnover.

Advantages

To have centralized management of all updates already that has done effect in the different samples;

To draw bases of sampling for new statistical surveys with better quality of information, with the amendment proposals for the remaining statistical surveys that already completed in its population frame;

To have a common universe to all the structural surveys and another one to all the short-term surveys;

To allow checking the updates to the samples, bases of sampling and population frame;

To allow that all the structural surveys where the enterprise is integrant part, are informed of the updates that occurs, as a result of a proposal;

To get comparable statistics promoting the use of a common population frame to all the statistical surveys;

To allow the definition of methodologies for reduction of the burden statistics;

To allow the implementation a system to "coordinate drawing of samples".

Conclusions remarks

This system is functioning since January of 2008". The first statistical survey is the Intrastat.

At moment, the new twelve statistical surveys are supported from this system and each new sampling survey was benefiting soon as updates from the others statistical surveys.

This system also was prepared to support to all the statistical surveys in the scope of the statistics local unit. The philosophy of the functioning will be similar. Next year that will start with the statistical survey "Tourism statistics".

The key of the local unit into BR, the statistical surveys are guaranteed, and in the SIGUA also.

In future this system can be support all of the sampling drawing, support all of the statistical surveys for the all entities from the national statistic system.