THE CHALLENGE OF INTRODUCING NEW INDICATORS ON WORK AND THE LABOUR MARKET: USERS’ AND PRODUCERS’ COMMUNICATION PERSPECTIVES

Brazil Experience

Cimar Azeredo Pereira
Brazilian Institute of Geography and Statistics
Geneva, October 18, 2018

Focus of invited presentations:

1. Brief overview of the process followed in implementing the 19th ICLS

2. Main impact on key headline indicators and relevance in the national context (employment, subsistence foodstuff producers, labour underutilization)

3. Strategies implemented to communicate the changes (early user-producer consultation, media workshops, any dissemination products, revision of historical series, etc.)

4. Good practices identified in communicating the changes, main challenges faced/lessons learned
1. Brief overview of the process followed in implementing the 19th ICLS
To understand better, I think it is important to contextualize showing how was the IBGE’s System of Household Surveys ...

There were several household surveys with different structures with different:

• planning and organization,
• sampling methods,
• concepts and fundamentals,
• data collect system,
• imputation,
• data tabulation,
• disclosure,
• ...
The result!!

High cost

lack of standardization

What resulted in:

• a high cost

• considerable lack of standardization,

• the work overload,

• Besides lack of opportunity of insertion of new subjects in the survey
2006

IBGE starts to plan the Integrated System of Household Surveys ISHS

Who worked with us?
✓ IBGE held a number of meetings, seminars, forums, workshops etc.,

✓ IBGE opened and stimulated the debate on the implementation of a new system of household surveys.

✓ Working with partners was fundamental to the success of this project;

It’s very important to share the responsibilities...
Integrated System of Household Surveys
ISHS

Structure

Continuous National Household Sample Survey

• Labor Force in the short term
• Besides to the investigate other subjects.

Consumer Expenditure Survey

• Income
• Consumption
• Information about poverty

Others surveys

Continuous PNAD

Continuous National Household Sample Survey
(Continuous PNAD)

HBS

Household Budget Survey

PESQUISA NACIONAL DE SAÚDE

National Health Survey (PNS)
The system uses a Master Sample, which is the basis for selecting samples from all household surveys.

Master Sample

- Corresponds to an Area Frame covering the entire country with well-defined limits

- The elementary units of this frame are the enumeration areas containing information about the last Demographic Census.

- These enumeration areas are defined according some criteria, for instance, the number of dwellings whether the enumeration is located on urban or rural areas.
Master Sample

- The Master Sample is a stratified and clustered sample;
- Corresponds to a set of areas selected by a probabilistic method (e.g. Pareto sampling);
- These areas can be a group of contiguous enumeration areas or a single one, depending on the number of dwellings on each area;
- Pareto sampling allows units to be selected with probability proportional to size assigning them a Permanent Random Numbers (PRN) so as to perform sampling coordination.
- These units are the Primary Sampling Units (PSU). Therefore, a subsample of these selected units can also be selected with some control (allowing overlapping or not) according to some sampling strategy.

Nowadays, surveys of the ISHS, are using the same structure of:

- planning and organization,
- sampling methods,
- concepts and fundamentals,
- data collect,
- imputation,
- data tabulation,
- disclosure,
- ...

These changes optimizes significantly the resources of:

- personnel,
- Financial,
- infrastructure etc.,
- in addition enhance the capacity to expand the investigation of new themes
National Household Sample Survey Continuous

Continuous PNAD

Short name

Produce continuous information

On the insertion of the population in the labor market and its various characteristics.

Produce annual information

About other forms of work, child labor, housing, ICT, etc.

To allow the study of socioeconomic development
Sample Size

Monthly
70,000 households

Quarterly
211,000 households

About 2.2 thousand IBGE interviewers collect daily information at selected households using CAPI.
Sample Rotation

An household is visited during 5 quarters, being a single time every quarter.

Continuous PNAD

Quarterly overlap

From one QUARTER to another, 80% of the households in the survey sample are the same.
11. The Conference adopted six resolutions which are presented in Appendix I. The first two concerned technical recommendations. These are:
   - Resolution I: Resolution concerning the measurement of working time;
   - Resolution II: Resolution concerning statistics of child labour.

12. Two resolutions concerned recommendations on the future work of the Office in the field of labour statistics. These are:
   - Resolution III: Resolution concerning the development of measures of labour underutilization;
   - Resolution IV: Resolution concerning further work on the measurement of decent work.

13. A further resolution concerned the revision of paragraph 5 of the resolution concerning statistics of the economically active population, employment, unemployment and underemployment adopted by the 13th ICLS (1982). This is:
   - Resolution V: Resolution on the amendment of paragraph 5 of the resolution concerning statistics of the economically active population, employment, unemployment and underemployment adopted by the 13th International Conference of Labour Statisticians (October 1982).

14. The final resolution concerned the organizational arrangements for the ICLS:
   - Resolution VI: Resolution concerning organization, frequency and duration of the ICLS.

After that, the preparatory studies for the 19th ICLS have started.

Taking this opportunity, the IBGE started to develop the Continuous PNAD based on the decisions of the new resolution;
2009

IBGE carried out a Continuous PNAD test;

2011

IBGE carried out a national pilot test;
2012

Continuous PNAD is implemented in Brazil in order to produce quarterly indicators on the Labour Force.

2013

The new resolution.

It was necessary to make just a few adjustments in the Continuous PNAD
1) Brazil began to adopt the recommendations of the 19th ICLS in the Continuous PNAD;

2) Brasil participated in the preparatory discussions for the 19th ICLS;

3) For this reason, most of the recommendations had already been incorporated into the Continuous PNAD.

2014

IBGE officially announced that it would disseminate the first results of the Continuous PNAD
IBGE disseminated the first results of Continuous PNAD

Later I will talk about the procedures adopted by IBGE to disseminate the first indicators of Continuous PNAD.

IBGE will announce next Friday a survey whose purpose is to map the country's jobs.
IBGE presents a complete picture of the Brazilian labor market

Decade of 2010

Continuous PNAD
12 13 14 15 16 17 18 19

Monthly Employment Survey
10 11 12 13 14 15

Annual PNAD
11 12 13 14 15

3 Surveys
2. Main impact on key headline indicators and relevance in the national context (employment, subsistence foodstuff producers, labour underutilization)
The impact will happen, it is inevitable, but you can reduce and control it if you use some important tools that protect a official statistical institute.

It is important to be aware of the 10 fundamental principles of official statistics (UN).
It is also essential to disseminate them to:

- the **government**, so that they are clear about the consequences of their interventions;
- the **press**, who sometimes ask us for data in advance;
- the **academics and specialists** who are always requesting identified data etc.

The IBGE has a distance learning course, in portuguese, about these principles.

- **Fundamental Principles of Official Statistics**
- **Fundamental Principles of Official Statistics:** guidelines for dissemination of results by the IBGE
- **Procedures for Dealing with Disclosure Errors of IBGE Statistical Information and Data (in Portuguese)**
- **Procedures for Dealing with Misuse of IBGE Statistical and Geospatial Data and Information (in Portuguese)**
Produce **technical notes** to communicate changes,

The **publication of the technical notes** in advance, explaining the changes, and everything that is to be incorporated, is fundamental.

The **dissemination dates** must be made available in advance. And the dates of release must be respected.
And you have to be prepared to answer all the questions

3. Strategies implemented to communicate the changes (early user-producer consultation, media workshops, any dissemination products, revision of historical series, etc.)

4. Good practices identified in communicating the changes, main challenges faced/lessons learned
**Unemployment rate**

Until October 13, 2016, this was the only measure of the underutilization of the labor force in Brazil.

**2016**

IBGE invited the society to talk and discuss about underutilization of the labour force
Let's talk about Discouragement !!!

Let's talk about time-related underemployment !!!!!

Let's talk Potential Labour Force!!!!

But what does it mean??????
Let's explain

Meetings with users and experts
Course to the press

Conference with the Government Bodies
Meetings of embargo with the press are fundamental

The practice of the embargo consists in anticipating for the communication vehicles the material, with the same period of time that establishes a decree of the federal government and with the commitment of the journalists only to publish it in date and time established by the IBGE.

The goal was:

• Explain the new surveys;
• Facilitate understanding;
• Explain the differences;
• Explain the series break due to differences, which are not negligible;
October 13, 2016
Discouraged, underutilized... understand the IBGE’s Surveys

A taxa de subutilização é “uma forma escondida de desemprego”, diz economista

Underutilization rate, a hidden form of unemployment
There is a lack of work for 27 million Brazilians, says IBGE

11.6 million unemployed people in Brazil
22.6 million people underutilized in Brazil
Temer says that unemployment begins to fall

Record discouragement rate limits the unemployment rate, says IBGE
"I have been working on the **production of labour market indicators** in Brazil for many years, and I can say that **nowadays it is easier** to talk about these indicators, especially **with the press** and **with the specialists** and **opinion makers**, because there are much **better diagnostic tools**.

Thanks 19ª ICLS!!!
Thanks ILO!!!"
A particular topic can be investigated on all visits and in all quarters.

So we will provide quarterly results for a conjunctural monitoring.

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Distribution of visits in quarters

1º Quarter

2º Quarter

3º Quarter

4º Quarter

A particular topic can be investigated on all quarterly visits.

So we provide annual (structural) results.

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Distribution of visits in quarters

1º Quarter

2º Quarter

3º Quarter

4º Quarter
A particular topic can be investigated in a given visit throughout the year. In this case, the indicators are constructed from the accumulation of data over a calendar year. So we provide annual (structural) results.

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Continuous PNAD

Calendar data collection in 2018

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<th>Thematic Modules</th>
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Continuous PNAD

Subjects investigated

• Labour Force
  ✓ Conjunctural
  ✓ Structural
• Income from all sources (Income from: rent, government income transfer programs, alimony, retirement, savings interest, non-resident's allowance,)
• General characteristics of the residents (sex, colour, age etc)
• Education (basic characteristics)
• Characteristics of households
• Children Labour
• Additional features of education
• Information and communication technology ICT
• Other forms of work (volunteer work, caring for people, domestic tasks, production for own consumption, construction for own use.)
Annual Disclosures in 2017

1ª Visit

Additional features of the labor market
October 18, 2017

General characteristics of the residents
November 24, 2017

Characteristics of households
November 24, 2017

Household Income
November 29, 2017

Annual Disclosures in 2017

5ª Visit

Child labour
November 29, 2017

Other Forms of Labour
December 7, 2017
### Annual Disclosures in 2017

**3º Quarter**  
**Education**  
22 de dezembro de 2017

**4º Quarter**  
**ICT**  
21 de fevereiro de 2018

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### Calendar of data collection - 2018

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Dissemination material for short-term information

**Mobile Quarters**

**Monthly Disclosure**

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**Quarterly disclosure**

4 Disclosures per year

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**Regional Reports available on the Internet**
Regional Synthetic Frames available on the Internet
Cármen suspends breach of statistical confidentiality of IBGE

"Breaking the statistical secrecy of the Brazilian Institute of Geography and Statistics (IBGE) creates harmful potential for public order, for undermining the confidence of the people who provide the information to the interviewers," compromising the fidelity and truthfulness of the data provided and the very purpose of that Institute".

"Quebrar sigilo estatístico do Instituto Brasileiro de Geografia e Estatística (IBGE) cria potencial lesivo à ordem pública, por abalar a confiança das pessoas que prestam as informações aos entrevistadores, “comprometendo a fidelidade e veracidade dos dados fornecidos e a própria finalidade daquele Instituto”.

"Quebrar sigilo estadístico del Instituto Brasileño de Geografía y Estadística (IBGE) crea potencial lesivo al orden público, por sacudir la confianza de las personas que prestan las informaciones a los entrevistadores," comprometiendo la fidelidad y veracidad de los datos suministrados y la propia finalidad de aquel Instituto".
The Minister Cármem was President of the Federal Supreme Court of Brazil

Technical Cooperation

The Brazilian Government has stimulated technical cooperation and IBGE has received some countries
Technical Cooperation from Brazil to:

- Peru
- Bangladesh
- Yemen
- Costa Rica
- Myanmar
Fundamental Principles of the Official Statistics
(United Nations Statistical Commission, 1994)

1. Relevance, impartiality and equal access
2. Professionalism
3. Accountability
4. Prevention of misuse
5. Cost-effectiveness
6. Confidentiality
7. Legislation
8. National co-ordination
9. International co-ordination
10. International statistical co-operation

Continuous PNAD

International Recommendations

The indicators presented here were developed using the new concepts, definitions and nomenclatures in accordance with the recommendations of the International Labor Organization - ILO, adopted at the last International Conference of Labor Statisticians - 19th ICLS held in Geneva in October 2013.

Principle 9 Use of international standards
The use by statistical agencies in each country of international concepts, classifications and methods promotes the consistency and efficiency of statistical systems at all official levels.
The Brazilian Institute of Geography and Statistics - IBGE

is the main provider of data and information about the Country.

Such information meets the demands of several types of segments of civil society, as well as the bodies at the federal, state and municipal level.
Main activities of IBGE

- Production of statistical information
- Coordination of the National Statistical System
- Production of geographic, geodetic and cartographic information, as well as information relative to natural resources and environment conditions
- Coordination of the National Cartographic System (through the National Commission of Cartography - CONCAR)
- Organization and dissemination of information
- Teaching activities: graduation in statistics, master course and internal employee training

Institutional Mission

“To portray Brazil by providing the information required to the understanding of its reality and the exercise of citizenship”.

IBGE
Obrigado!
Merci!
Thanks!
Gracias

cimar.azeredo@ibge.gov.br