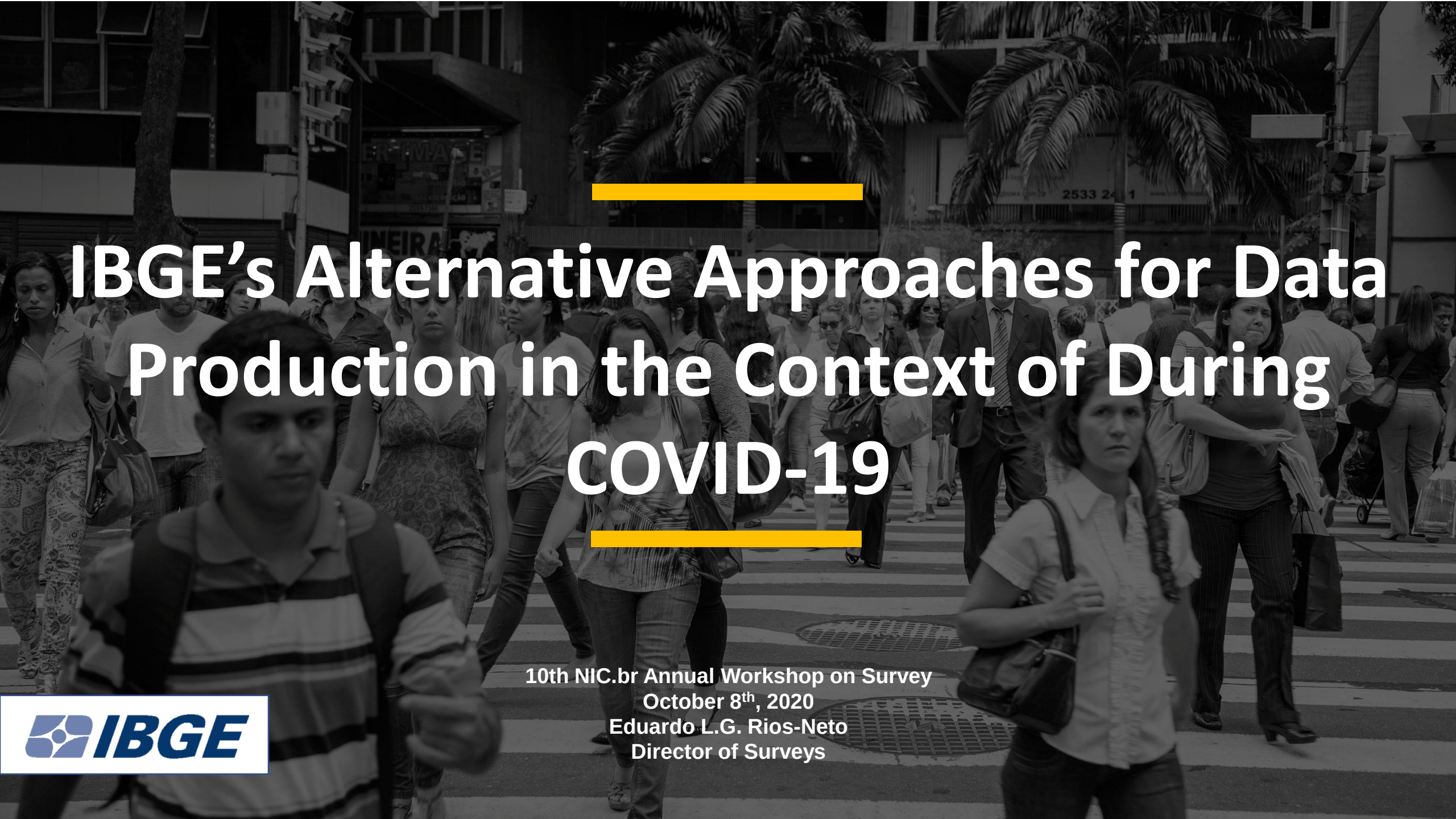


IBGE's Alternative Approaches for Data Production in the Context of During COVID-19

10th NIC.br Annual Workshop on Survey
October 8th, 2020
Eduardo L.G. Rios-Neto
Director of Surveys

IBGE

Challenge posed by COVID-19

- **Traditional methods of data collection interrupted**
- **Disruption of conventional work settings**

IBGE mission during the pandemia

- **Maintain the regular production of national key data** and surveys (GDP, inflation rate, business statistics, unemployment rate, among others)

- **Generate data on the impacts of the pandemic** on the population and enterprises, to support public health policies and strategic decisions in the regional and national levels

Maintaining the regular production

- March 17th 2020 – Suspension of all data collection field operations / Demographic Census postponed

New scenario

- **Business statistics**
  Internet data collection

- **Prices - Inflation rate**
  Internet data collection and web scraping

- **Social and economic indicators** *(PNAD Contínua)*
  Phone based data collection

Roadmap: 6 big areas of change

Working remotely

Technology transformation

Survey network approach

New pulse surveys

Distance learning scale up

Dissemination strategy

IBGE

Working remotely

- **Remote work platform**
- **Automatization of work-flow processes**

Technology transformation

- **Introduction of new technology in data collection**
- **Scale up and use of data registries for field research**

Technology transformation

○ Sample and Data pairing efforts

CNEFE

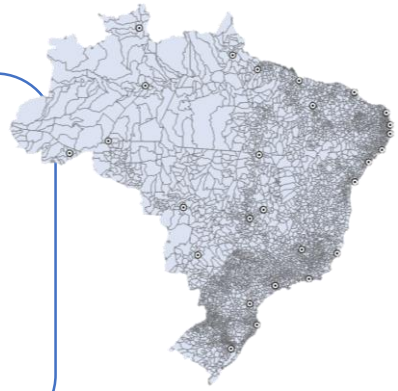
IBGE National Addresses Database

Address Databases

- Light consumers
- Tax payers addresses
- Social programs address database

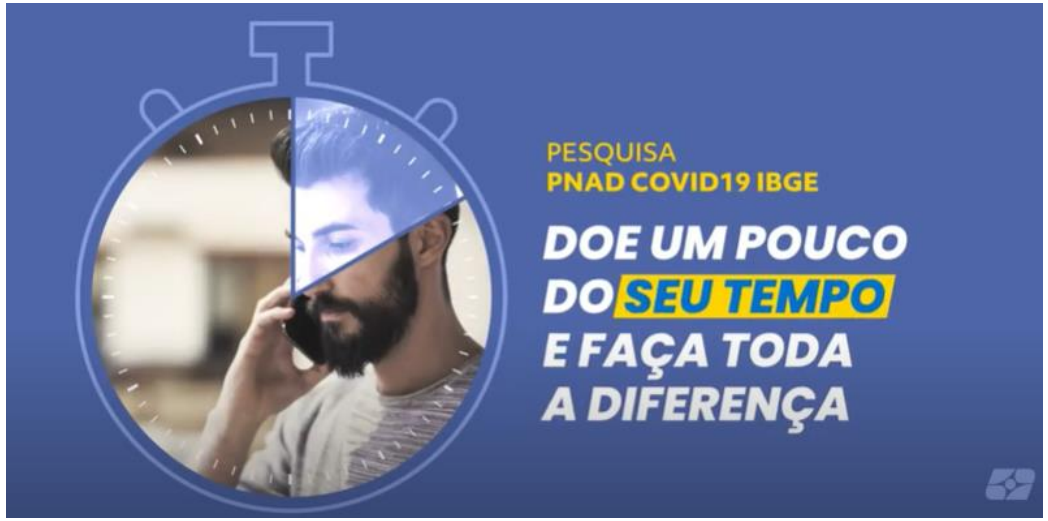
Household surveys samples

- PNAD Contínua
- PNAD COVID19
- Budget Survey

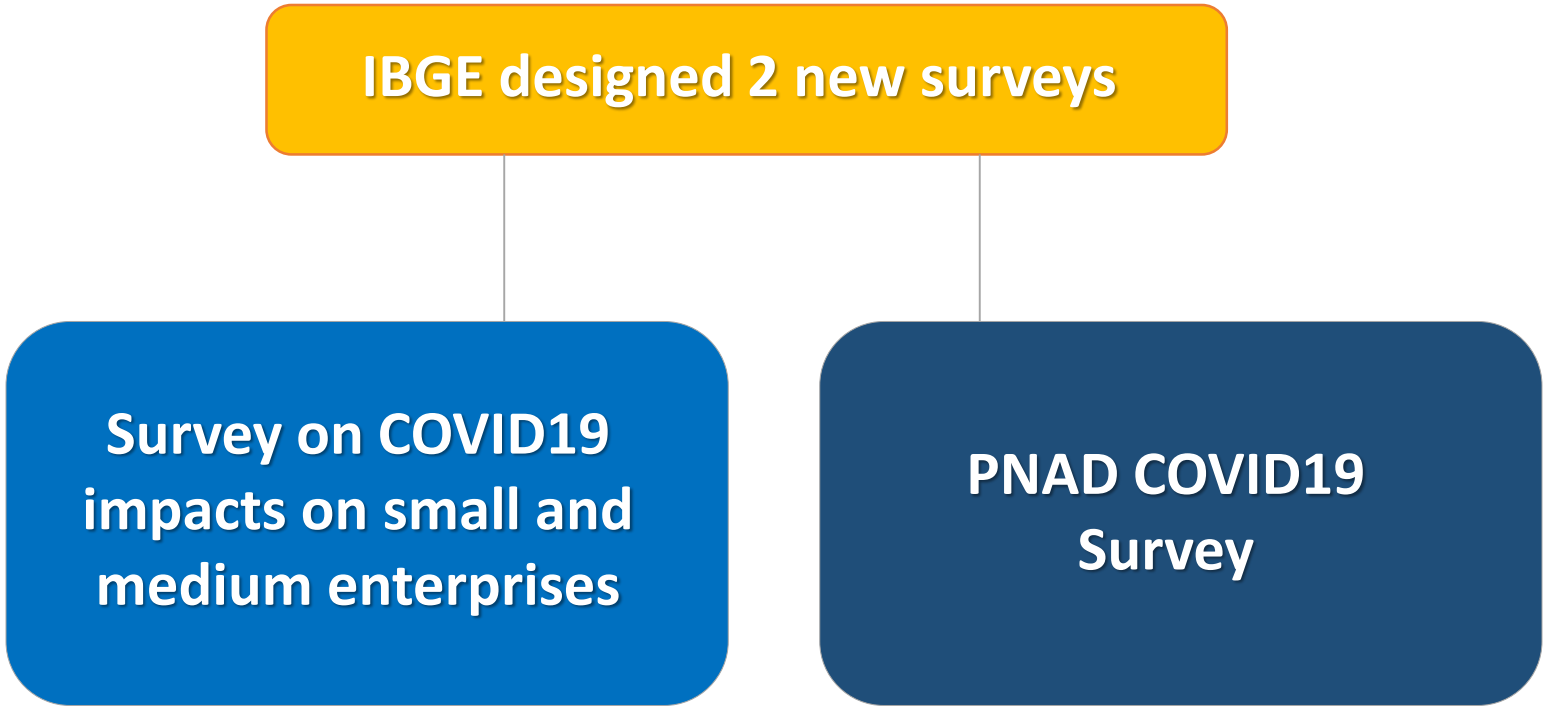


Survey network approach

- Internal communication strategy with all stakeholders
- Awareness publicity campaign in social media
- Mail delivery of letters

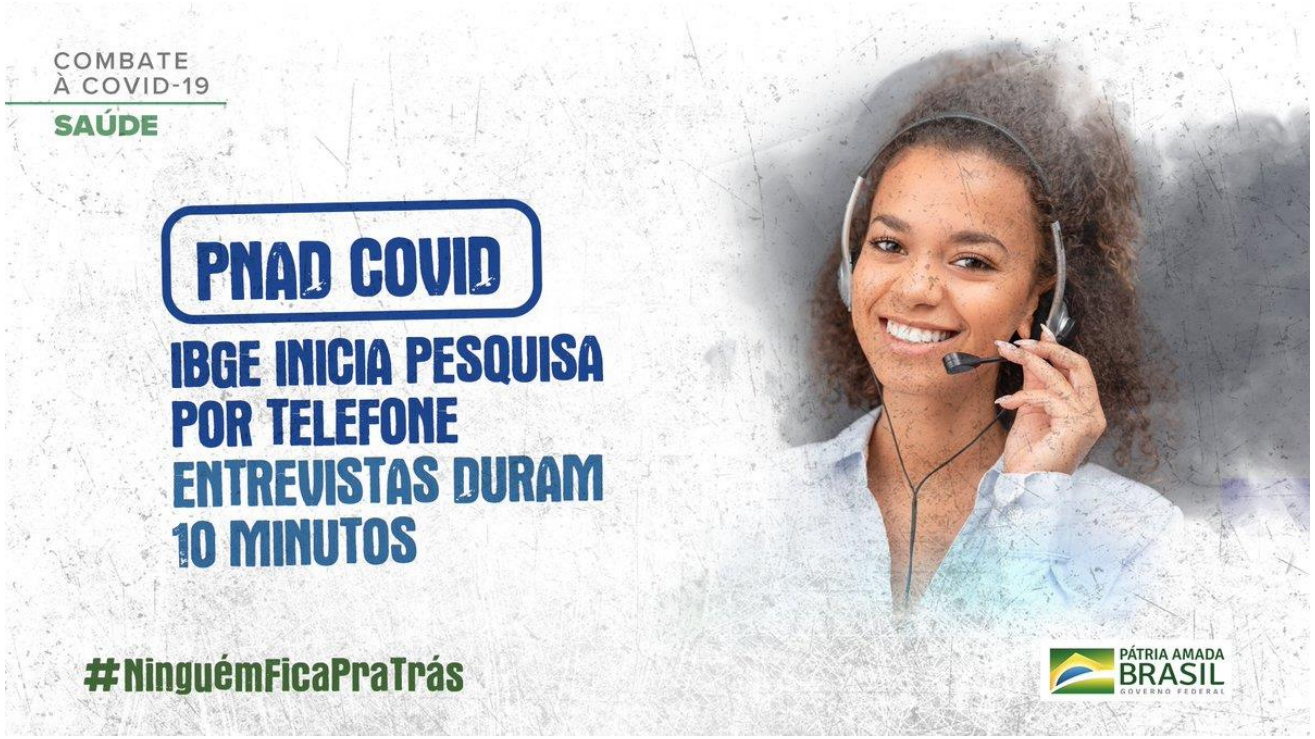


Generating data on the impacts of the pandemic



New pulse surveys

- **PNAD COVID**
- **Small and Medium Enterprises Survey**



Survey on COVID19 impacts on small and medium enterprises

Purposes of the survey

- Obtain information about enterprises performance and measures taken against COVID impacts on their businesses.

Some questionnaire themes

- Business environment
- Enterprise situation
- Payment and supply chain
- Demand for work
- Measures taken
- Government aid

PNAD COVID19 Survey

Purposes of the survey

- Obtain information about the symptoms associated with **COVID-19** and the measures taken against these symptoms.

- Obtain information from those who showed symptoms, sought a health care facility, and what kind of facility it was.

- Monitor the changes that happened in the Brazilian labour market during the COVID-19 pandemic.

Distance learning scale up

- **ENCE university fully online**
- **Training courses revamped and adapted to new remote context**

ENCE

Data dissemination strategy

- **COVID-19 Hotsite**
- **Production of accessible dashboards to different stakeholders**

LESSONS LEARNED AND NEW CHALLENGES TO 2021 DEMOGRAPHIC CENSUS

- Mixed Mode Data Collection to Account for Uncertainty
  - Computer Assisted Personal Interview (CAPI)
  - Computer Assisted Telephone Interview (CATI)

- Computer Aided control of Census Operation in 3 Phases (Pre-Enumeration, Enumeration, and Post-Enumeration)
  - Grid Population Estimation helping the 3 phases
  - Artificial Intelligence tools for controlling the process in the field

THANK YOU

https://covid19.ibge.gov.br/

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