



38th meeting of the Voorburg Group on Service Statistics

The relevance of the combination of data collection methods in the Business Surveys during and after the COVID-19 pandemic in Mexico

Authors

José Arturo Blancas Espejo

Director in Chief of Business Statistics

Araceli Martínez Gama

Director in Chief Deputy of Business Surveys

Developed by

Ariel Juárez Morales

Director of the Tertiary Sector Business Surveys

Luis Centeno Martínez

Department for Conceptual Design of Service Business Surveys

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Businesses
(ECOVID-IE)

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Aftermath

Start of the Business Surveys in Mexico



Periodic measurements of manufacturing activities in Mexico begins

1963

Manufacturing
(Y)

1964

Manufacturing
(M)

Trade
(M)
Construction
(M)

1983

1993

Services
(M)

Trade
(Y)

1994

Construction
(Y)

2000

Qualitative indicators

2004

Business Opinion
(M)
Transport
(Y)

Non-Financial Private Services
(Y)

2005

Monthly (M)
Yearly (Y)

Start of the Business Surveys in Mexico

Integrated System of Surveys in Economic Units (SIEUE)

National Economic Information System Law

National Economic Information Subsystem

Article 23

Artículo 24

Artículo 25

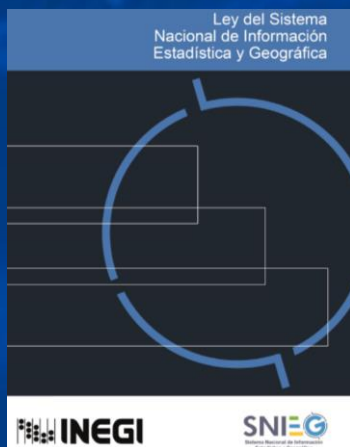
Infrastructure

Key Indicators

Sources of Information:

- National Economic and Agricultural Censuses
- **Integrated System of Surveys in Economic Units (SIEUE)**
- Administrative Records

Legal framework



Start of the Business Surveys in Mexico



Integrated system of surveys

Internal users

Statistic Programs of Business Surveys by INEGI

- Construction Companies
- Industrial Manufacturing
- Trade
- Services and Transport
- Business Opinion

External users

Business Surveys by State Units

- Technologic Investigation and Development (National Council of Science and Technology)
- Companies Financing (National Banking and Securities Commission)

Monthly and yearly processes

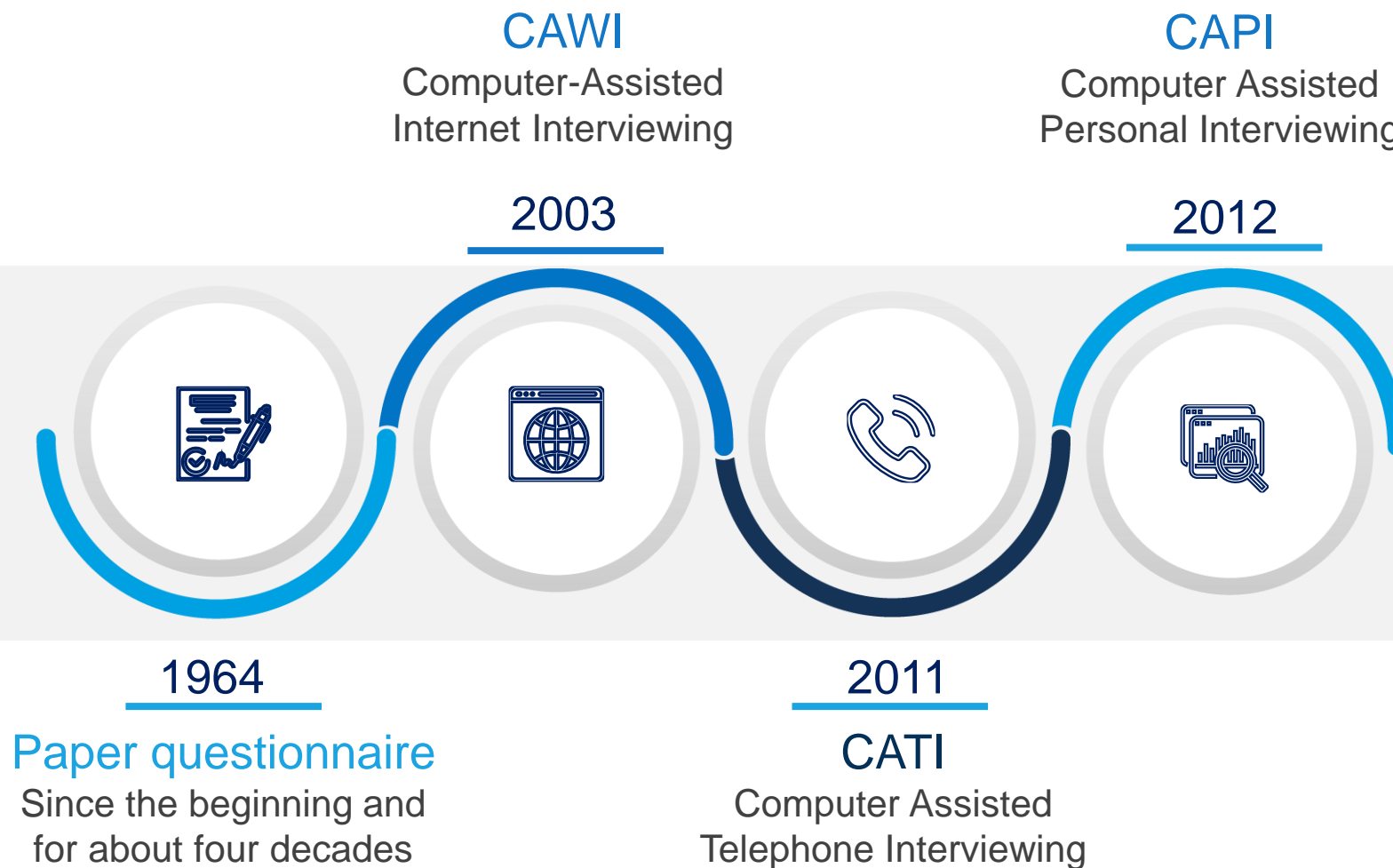


Objectives

- 1 Technical and methodological homologation.
- 2 To offer technical, normative and methodological elements
- 3 Linking systems: National Accounts, Economic Censuses and Price Indexes.

Start of the Business Surveys in Mexico

Collection methods evolution



Data Collection of the Business Surveys

Sample sizes of Monthly Surveys in Economic Units

Construction

3 556



Manufacturing

10 341



Trade

8 716



Services

8 690



Business Opinion

3 379



Transport

876



National sample

35 558

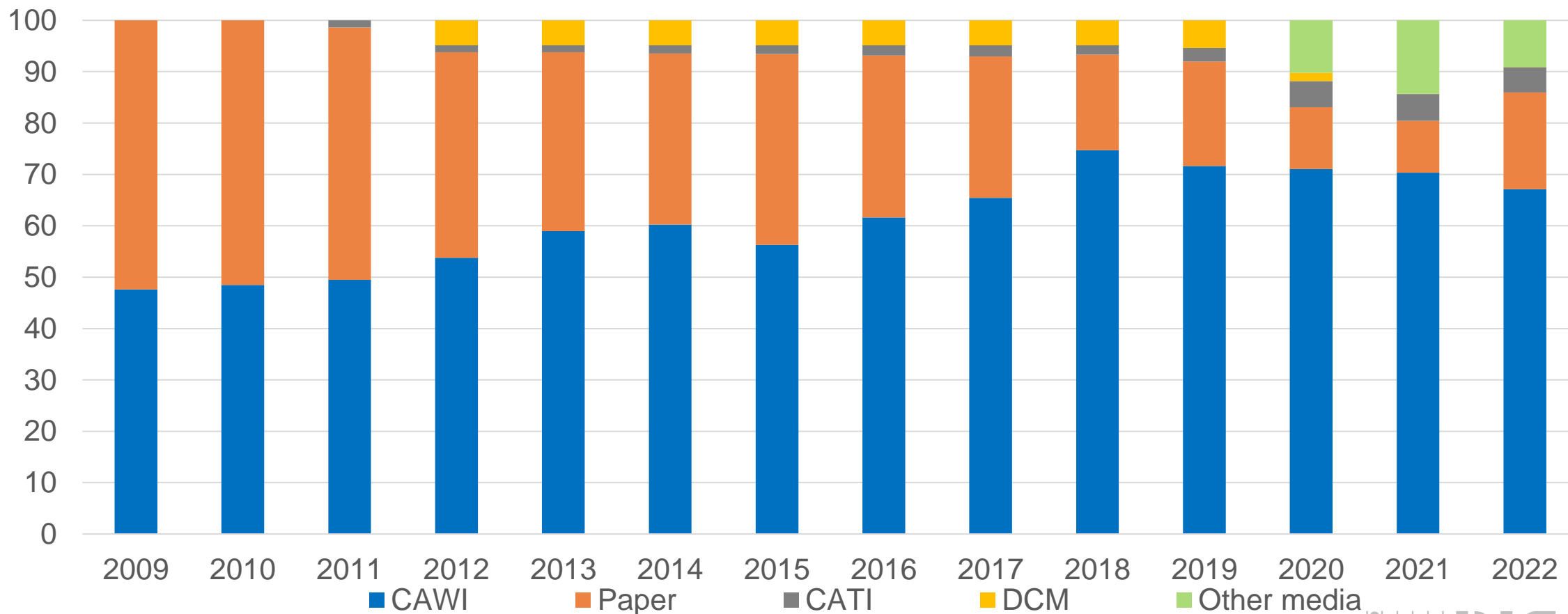


Data Collection of the Business Surveys



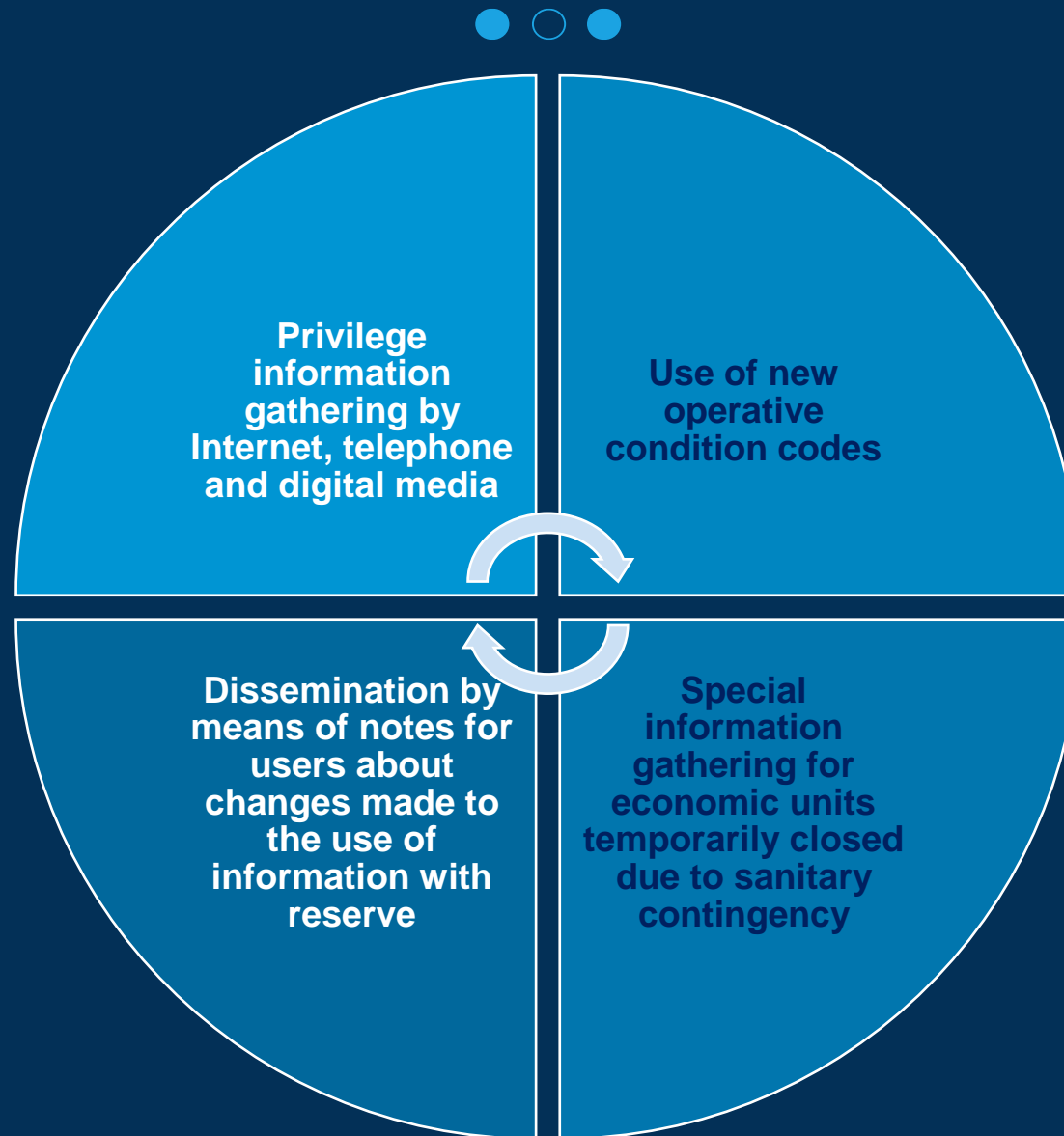
Combination of collection methods before, during and after the pandemic

Annual average (National Business Surveys)



Data Collection of the Business Surveys

Field strategies during the COVID-19 pandemic

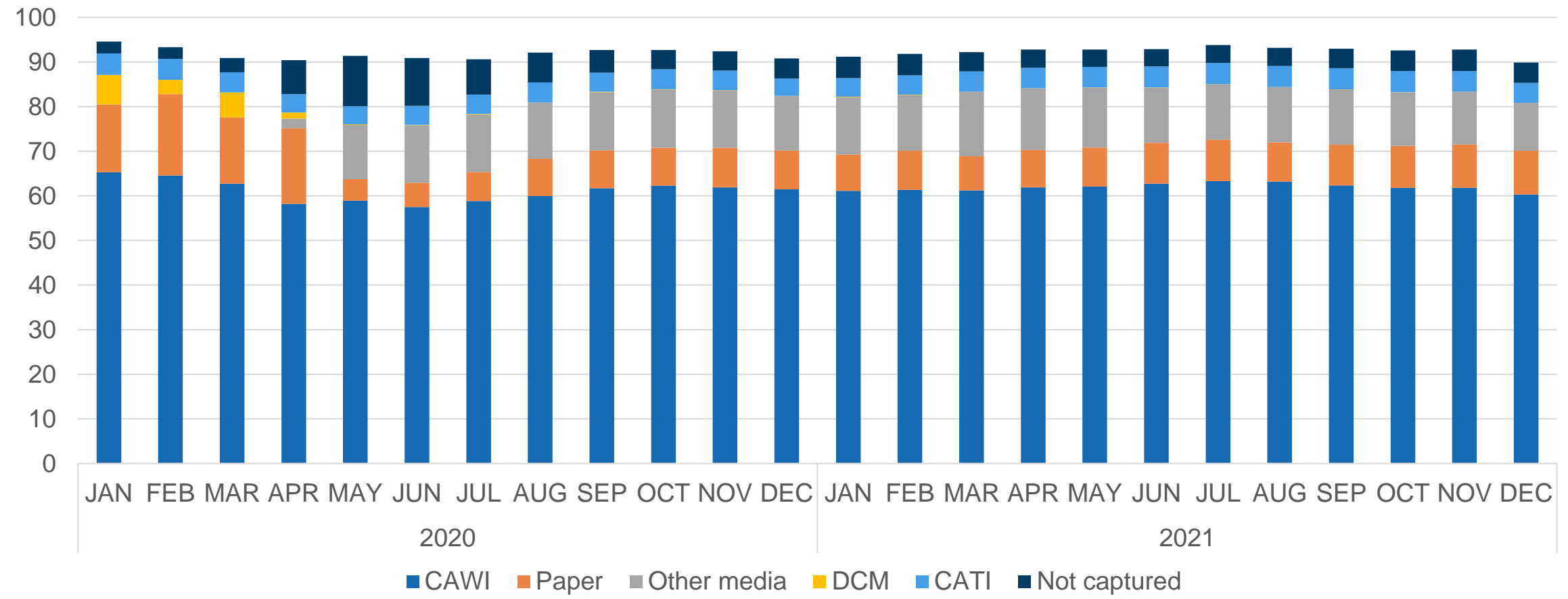


Monthly collection of Business Surveys by means of collection



Level of business surveys gathering during the pandemic

Percentage



Source: INEGI.

Survey on the Economic Impact Generated by COVID-19 on Businesses (ECOVID-IE)

3

Observation unit

The company

Study Domains

- National-sector
- National-company size

Sampling Frame

1 873 564 companies with telephone

Three events (reference period)

- ✓ April, 2020
- ✓ August, 2020
- ✓ February, 2021

Geographical Coverage

National



Results by stratum:

MICRO SMEs LARGE



INEGI

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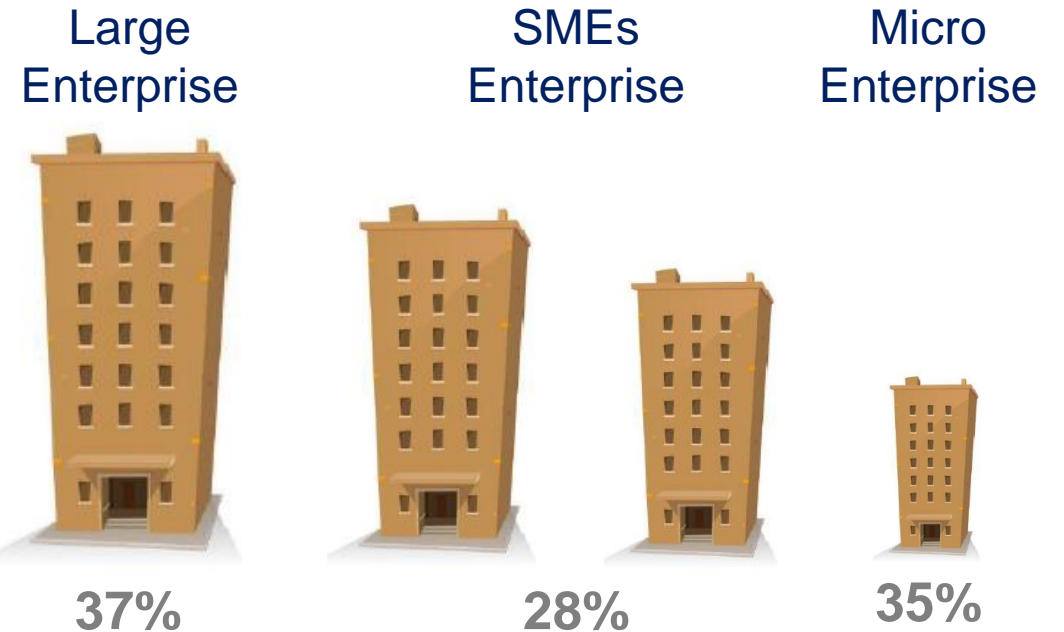
Statistical design

Sampling Parameters

Confidence	95%
Relative error (according to the event)	From 3% to 5%
Average number of enterprises affected by COVID-19	50%

Sampling size

Approximately 5 thousand enterprises



Survey on the Economic Impact Generated by COVID-19 on Businesses (ECOVIED-IE)

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Data collection logistics

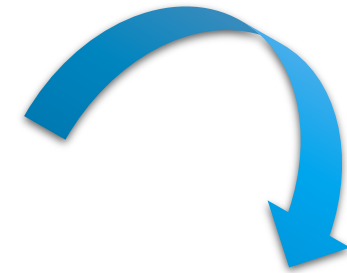
Interviews via CATI
(Home office)



48 interviewers on average



25 minutes per interview on average



Data Collection

- ✓ May – June, 2020
- ✓ September – October, 2020
- ✓ March, 2021



To reach the sample,
more than 15 thousand
calls were made by
event

Strategies after COVID-19 pandemic

4

- The previous use of digital means of collection for business surveys allowed the Institute to reinforce its use to maintain it definitively.
- The information collection strategies have been adjusted in accordance with the standardization of economic, statistical and geographic activities, with the end of the COVID-19 health emergency on May 9, 2023 by the Mexican government.

INEGI has designed and structured plans of action for contingencies like this and similar types.

Aftermath



- The set of collection means, particularly CAWI, represented the main strength to face the prevailing conditions during the pandemic.
- The set of collection strategies implemented made it possible to maintain the dissemination of all the indicators from the business surveys, without modifying the dates established in the dissemination calendar.
- The main lesson learned was the capacity of informants and collaborators of the business surveys to adapt to all the changes.
- The availability of action plans designed and structured to deal with contingencies of this nature or with complicated scenarios represents one of the most important lessons for the performance of national statistical offices in the future.

THANK YOU



Conociendo
México

800 111 46 34
www.inegi.org.mx
atencion.usuarios@inegi.org.mx

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