



Wellbeing and Sustainability  
Session

**Statistics derived from the NA of  
Mexico that contribute to well-  
being and sustainability approach**



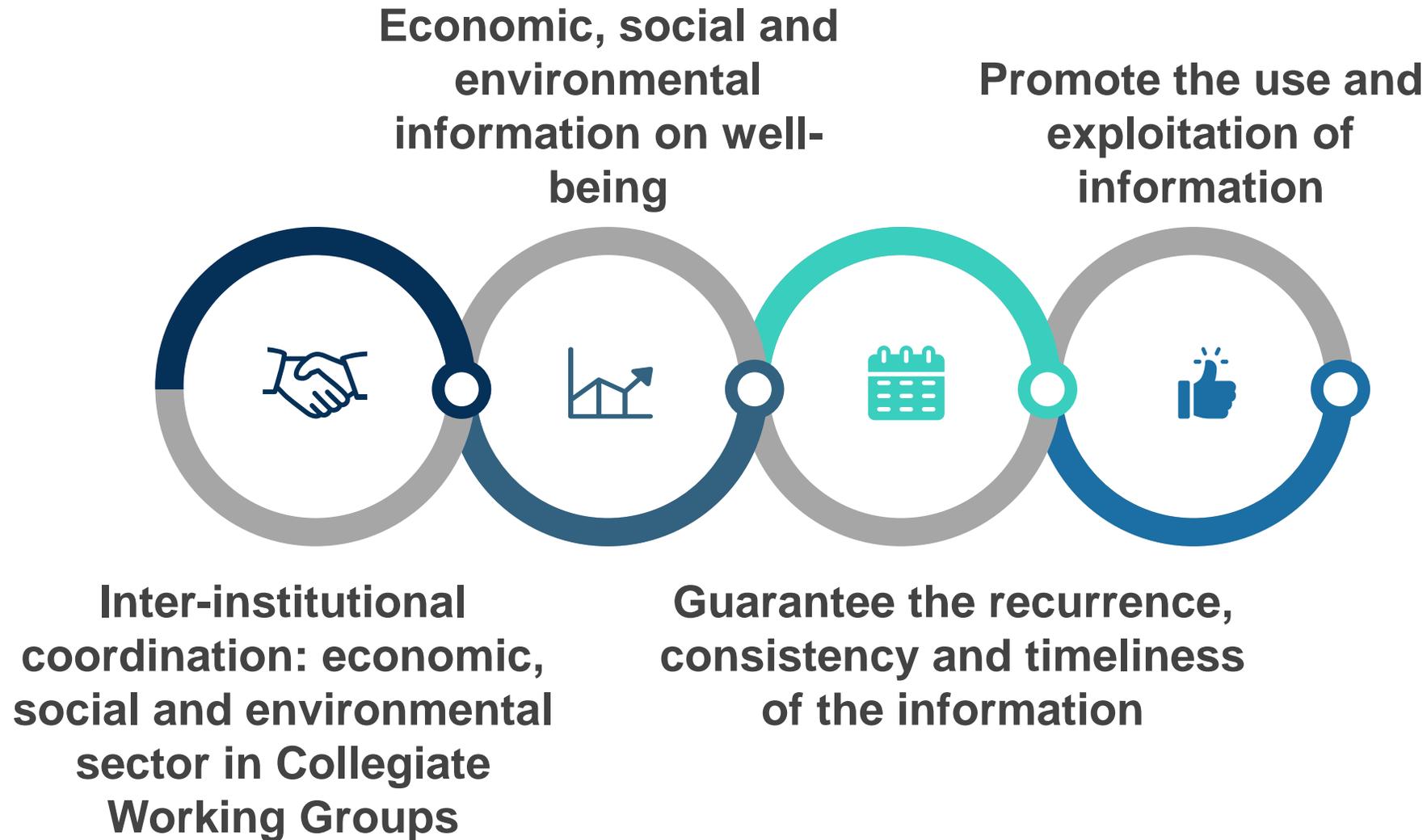
Francisco Guillén Martín

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April, 2023

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# INSTITUTIONALIZATION OF THE MEASUREMENT OF WELL-BEING INFORMATION



# System of National Accounts of Mexico: Satellite Accounts:

## *Information offered to users regarding well-being*

Satellite Account	Information available	
	Macroeconomic variables	Other information
<b>Unpaid work</b> 	<ul style="list-style-type: none"> <li>Value of unpaid work in domestic and care work (Current and constant values)</li> </ul>	<ul style="list-style-type: none"> <li>Hours per week</li> <li>Information by sex</li> <li>Production of self-consumption goods</li> <li>Cost per hour</li> </ul>
<b>Housing</b> 	<ul style="list-style-type: none"> <li>Production accounts (current and constant values)</li> <li>Supply and use (Current and constant values)</li> <li>Housing Financing</li> </ul>	<ul style="list-style-type: none"> <li>Job positions</li> </ul>
<b>Environmental Accounting</b> 	<ul style="list-style-type: none"> <li>Environmentally Adjusted Net Domestic Product (PINE, by its Spanish acronym)</li> <li>Total Costs for Depletion and Environmental Degradation</li> <li>Global supply and demand of goods and services net environmentally adjusted</li> <li>Spending on environmental protection</li> </ul>	<ul style="list-style-type: none"> <li>Balance of economic and environmental assets</li> <li>Hybrid table of activities and products related to water</li> <li>Material flow account</li> <li>Balance of available timber forest area</li> <li>Balance of produced and non-produced economic assets</li> </ul>

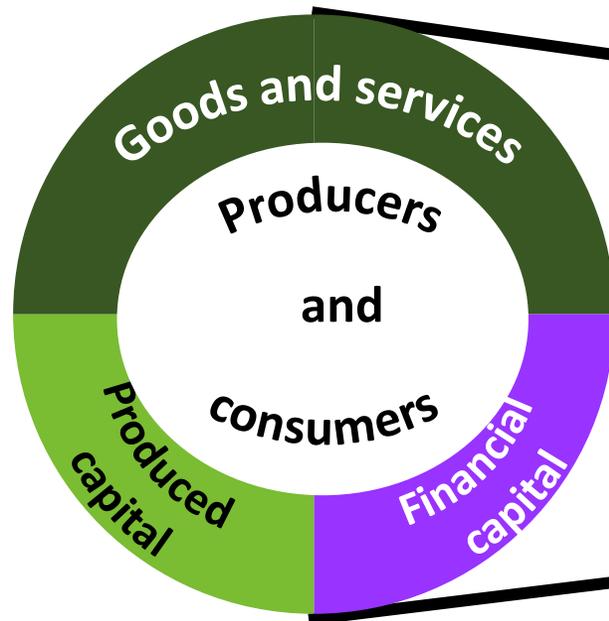
# System of National Accounts of Mexico: Satellite Accounts:

## *Information offered to users regarding well-being*

Satellite Account	Information available	
	Macroeconomic variables	Other information
<b>Culture</b> 	<ul style="list-style-type: none"> <li>• Production accounts (current and constant values)</li> <li>• Supply and use of cultural goods and services (Current and constant values)</li> <li>• Expenditure and financing (Current and constant values)</li> </ul>	<ul style="list-style-type: none"> <li>• Job positions</li> <li>• Non-monetary data (cultural infrastructure, attendance at cultural events, employed persons)</li> </ul>
<b>Health</b> 	<ul style="list-style-type: none"> <li>• Production accounts (current and constant values)</li> <li>• Supply and use of the health sector</li> <li>• Current and constant values</li> </ul>	<ul style="list-style-type: none"> <li>• Traditional medicine production accounts</li> <li>• Job positions</li> <li>• Hours per week of unpaid work in health care</li> </ul>
<b>Non profit Institutions</b> 	<ul style="list-style-type: none"> <li>• Production accounts (current and constant values)</li> </ul>	<ul style="list-style-type: none"> <li>• Paid staff</li> <li>• Voluntary work</li> </ul>

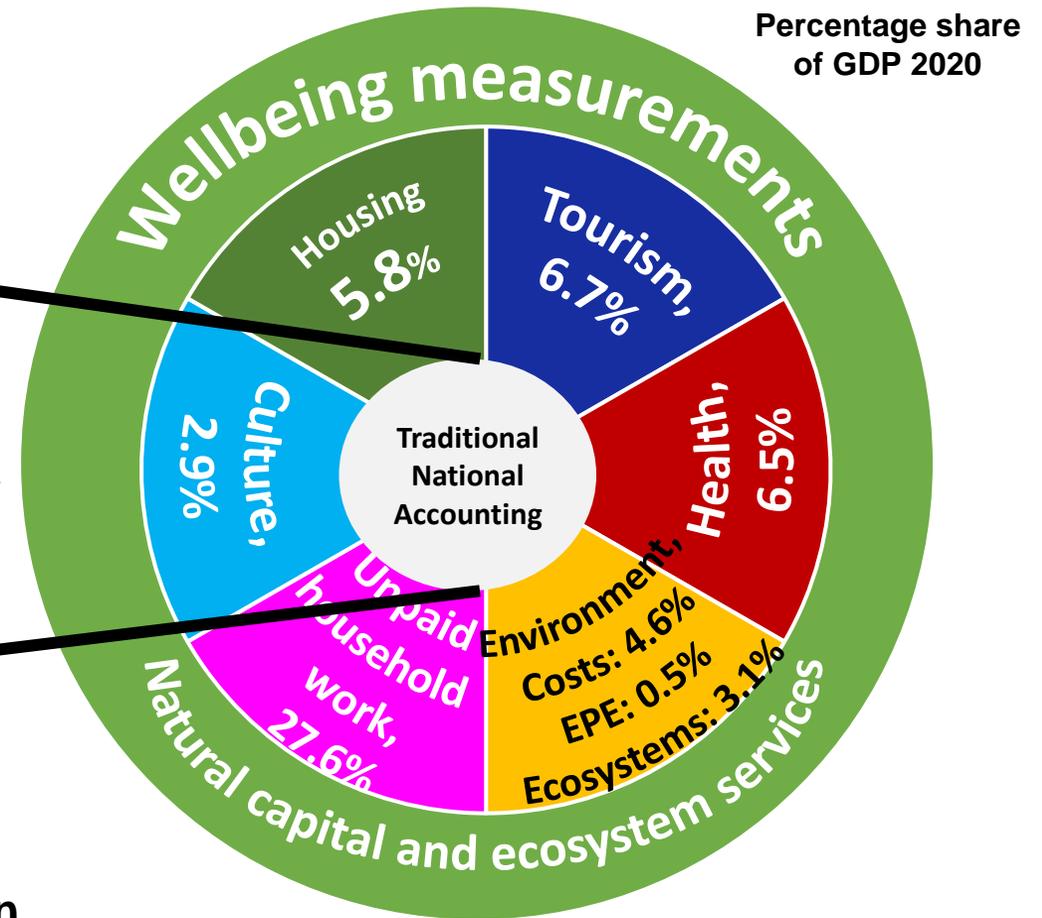
# National accounting has evolved through satellite accounts to generate information to help measure well-being and sustainable development

## Traditional Approach



**NEW PARADIGM**  
Incorporates the measurement of well-being through satellite accounts

## Towards the Wellness Approach



For over **10 years**, The Mexican **unpaid household work satellite** account has provided key information key for evaluating **progress in equality between women and men**.

# Some of the main results of the Satellite Accounts of Mexico



Environmental accounts



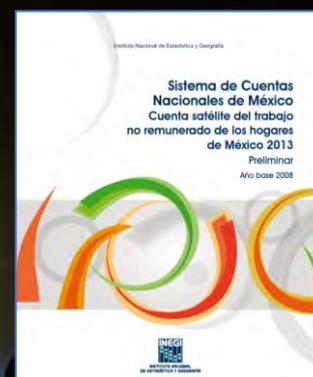
Tourism



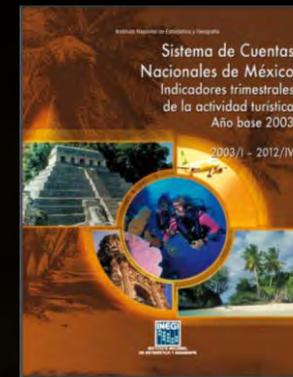
Non-profit institutions



Health



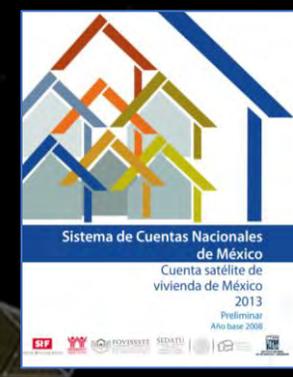
Unpaid work in households



Quarterly indicators of tourism activity



Culture



Housing

26.3%

➤ GDP of the study sector as share to GDP of Total economy (Percentage 2021)

7.5%

6.2%

5.7%

4.6%

3.0%

2.9%

0.5%

Unpaid work in households

Tourism

Health

Housing

Environmental cost (depletion and degradation)

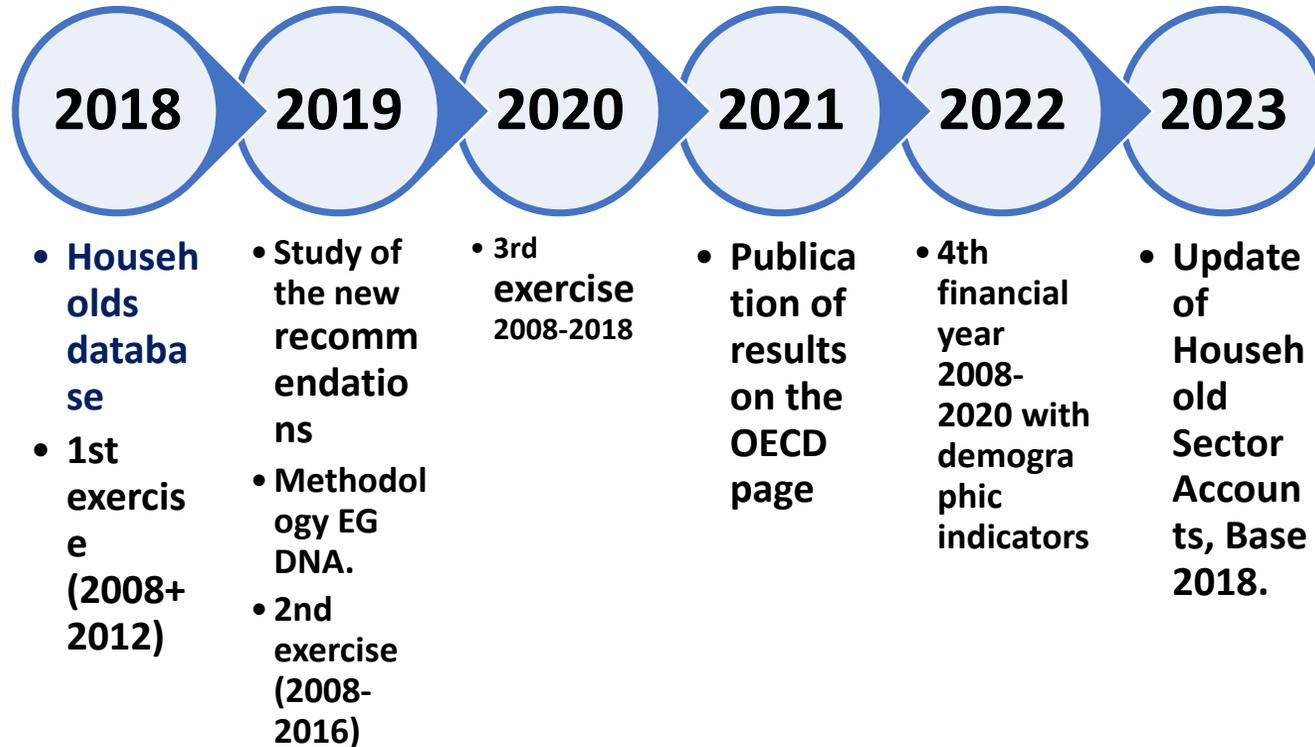
Culture

Non-profit institutions

Environmental Protection Expenditures

# Distributional National Accounts

## Mexican Experience on DNA



These results have been possible thanks to the assistance and feedback from EG DNA.

- 6 years timeline:

2018

- Participation in the OECD-EGDNA Group.
- Analysis of distributive statistical sources (field: Micro - Macro).
- Development first exercise, Series 2008-2012, without adjustments to the ENIGH concepts.

2019

- Study and implementation of the progress of the Manual on the distribution of Household Income, Consumption, and Savings in line with the National Accounts.
- Development of the 2nd. Exercise, Series 2008-2016

2020

- Elaboration of the 3rd. exercise applying the final methodological guidelines embodied in the "Methodology and results of the 2020 collection round" of the OECD. Series 2008-2018.

2021

- Publication of results on the OECD website, Series 2008-2018.
- Analysis of results and trends for the study of bias in the last quintile.

2022

- Update of the series, which has added the 2020 financial year and the information record of the "main source of income" and "type of household" tables for the 2008-2020 biennial series.

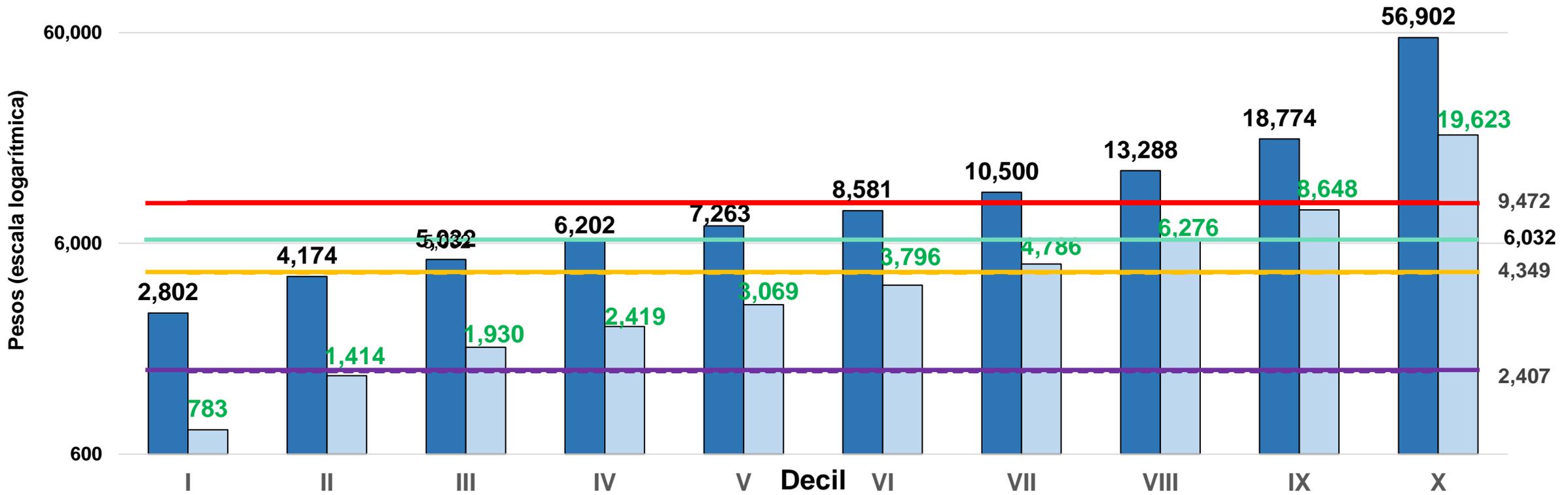
2023

- Update of the macroeconomic aggregates of the Household Sector from the change in the base year of the national accounts, series 2008-2022.
- Review of the R script developed by the OECD of the centralized approach in compiling distribution results.
- Continue with the study of the Pareto method.

\*\* The series are biennial, given the periodicity of the ENIGH, a source of information for the distribution of transactions.

# Disposable Income per capita and average consumption benchmarks, 2020

- per capita monthly disposable income (B6-MEDIDCAH)
- monthly per capita current income (ENIGH)
- consumer spending (national average)
- essential consumer spending (national average)
- food consumption expenditure (national average)
- income poverty line



Note: This is considering that the income poverty line remains unchanged by CONEVAL.

# Socio-demographic information , 2020

## Socio-demographic

	Q1	Q2	Q3	Q4	Q5	Total
Households	7,149,992	7,150,716	7,149,554	7,149,783	7,149,614	35,749,659
Consumption units	16,414,922	15,757,780	15,173,412	14,486,527	13,409,753	75,242,395



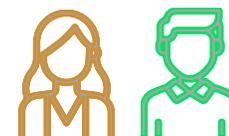
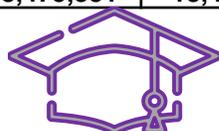
## Main activity (persons)

	Q1	Q2	Q3	Q4	Q5	Total
Employee <sup>1</sup>	6,414,609	7,861,223	8,631,012	9,176,892	8,641,087	40,724,823
Employer <sup>1</sup>	1,591,054	1,131,907	993,377	973,719	1,118,205	5,808,262
own- account worker <sup>1</sup>	2,384,971	1,862,723	1,593,117	1,400,287	985,209	8,226,307
Unpaid family worker <sup>1</sup>	1,134,673	580,851	441,222	337,755	254,983	2,749,484
Student <sup>2</sup>	6,800,542	5,637,093	4,517,611	3,553,858	2,653,320	23,162,424
Retired <sup>2</sup>	174,729	515,839	801,275	1,074,258	1,818,428	4,384,529
Unemployed <sup>1</sup>	906,800	749,835	722,284	538,096	339,746	3,256,761
Not classifiable <sup>2</sup>	9,937,709	8,987,231	7,843,296	6,569,399	5,188,242	38,525,877

1: segmento LFPR; 2: segmento NLFPR

## Highest level of education achieved (persons)

	Q1	Q2	Q3	Q4	Q5	Total
Low	24,209,131	20,347,334	17,262,981	13,061,479	7,703,828	82,584,753
Middle	4,083,536	5,156,096	5,586,694	6,187,712	4,819,561	25,833,599
High	1,052,420	1,823,272	2,693,519	4,375,073	8,475,831	18,420,115



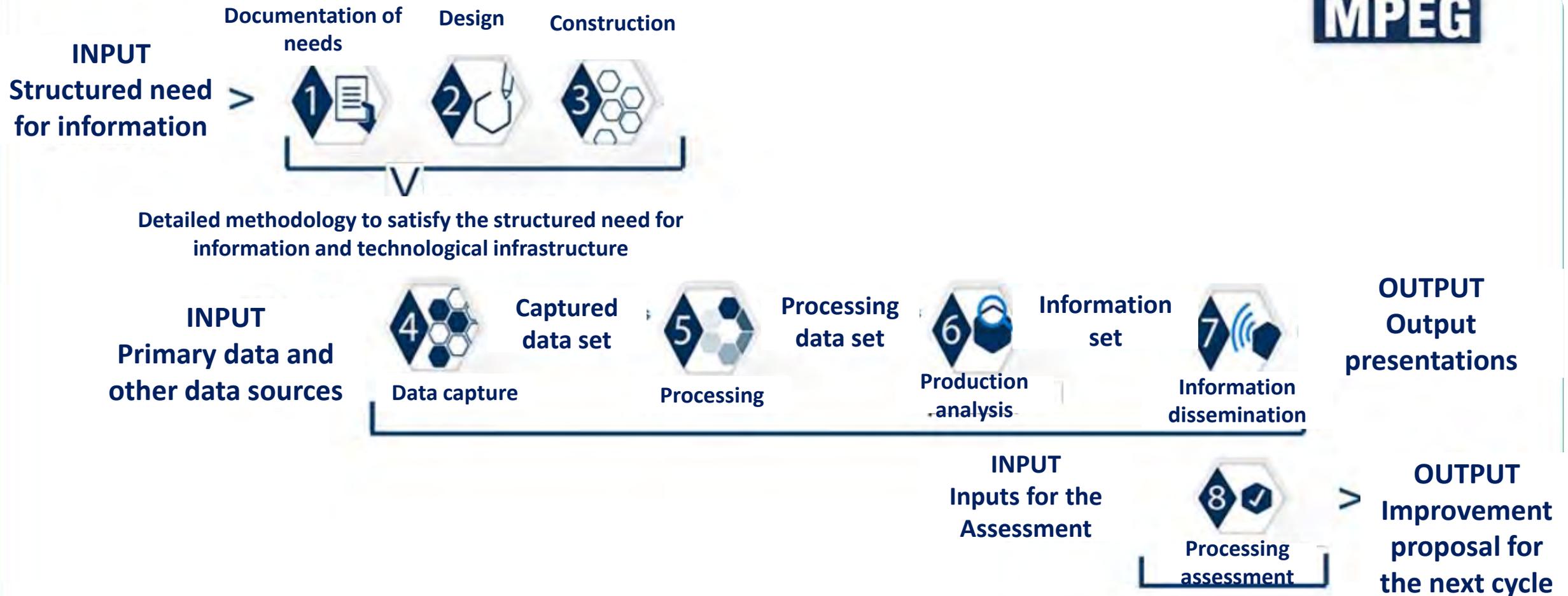
## Sex (persons)

	Q1	Q2	Q3	Q4	Q5	Total
Females	15,366,841	14,226,382	13,202,469	12,025,767	10,727,323	65,548,782
Males	13,978,246	13,100,320	12,340,725	11,598,497	10,271,897	61,289,685

# System of National Accounts of Mexico

## Model of the Statistical and Geographical Process (MPEG, by its Spanish acronym)

**MPEG**



# Recurring work with users of information



- ✓ The way to communicate the topics and results to the **data User** depends on the type and level in question.
- ✓ For User with a **decision-making profile**, simple language is used with an emphasis on the main results of the product and its possible applications.
- ✓ For User of **technical level**, the approach is carried out with the use of the methodology.
- ✓ For **general User** the language used is based on examples and dynamics close to their fields of study.



# Collegiate Working Groups



- ✓ We make recurrent presentations of the projects, through **workshops and seminars** to disseminate the **knowledge and use of the products of the National Accounts of Mexico** to accompany users in a **better use**.
- ✓ **User confidence, depth of knowledge, and feedback** are fostered.
- ✓ We apply a **questionnaire** to know if the communication is adequate for the better understanding of the projects and to identify what other topics or details are required to complement the knowledge.



# Uses in public policy

The results of the **Satellite Accounts** are used for planning or regulation in different areas related to **Well-being**



- 1 National Development Plan 2019-2024
- 2 Tourism Sector Program 2019-2024
- 3 General Law of Ecological Balance and Environmental Protection
- 4 Initiative to reform the Federal Law for the Promotion of the Activities of Civil Society Organizations
- 5 Querétaro State Volunteer Law Initiative

- 6 General Housing Law
- 7 National Housing Program 2019-2024
- 8 National Program for Equality between Women and Men 2020-2024
- 9 General Law on Climate Change
- 10 National Biodiversity Strategy of Mexico and action plan 2016-2030
- ... Among other examples

# THANK YOU



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