

International classifications for the standardization of economic statistics for Latin America and the Caribbean region at ECLAC

Second Webinar of the International Statistical Classifications Sprint

UN Network of Economic Statisticians

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UNITED NATIONS



Outline

 Economic statistics series in the Statistics Division of ECLAC

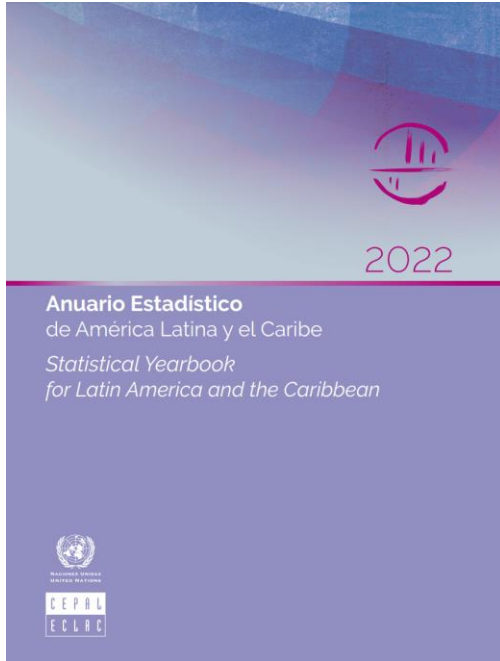
 National Accounts

 Economic Surveys

 External Sector Statistics

 Prices

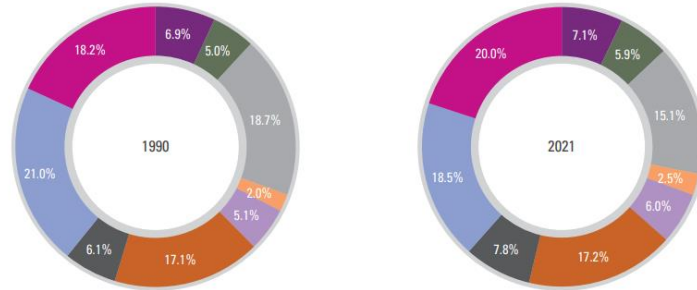
Economic statistics series in the Statistics Division of ECLAC: Statistical Yearbook



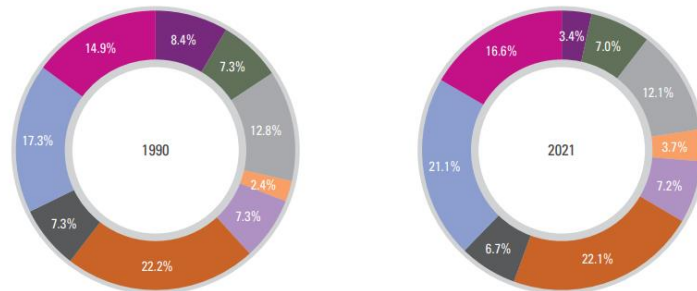
Latin America and the Caribbean: economic sectors' share of value added of gross domestic product, at current market prices, 1990 and 2021^[A]

(En porcentajes/Percentages)

A. América Latina/Latin America



B. El Caribe/The Caribbean



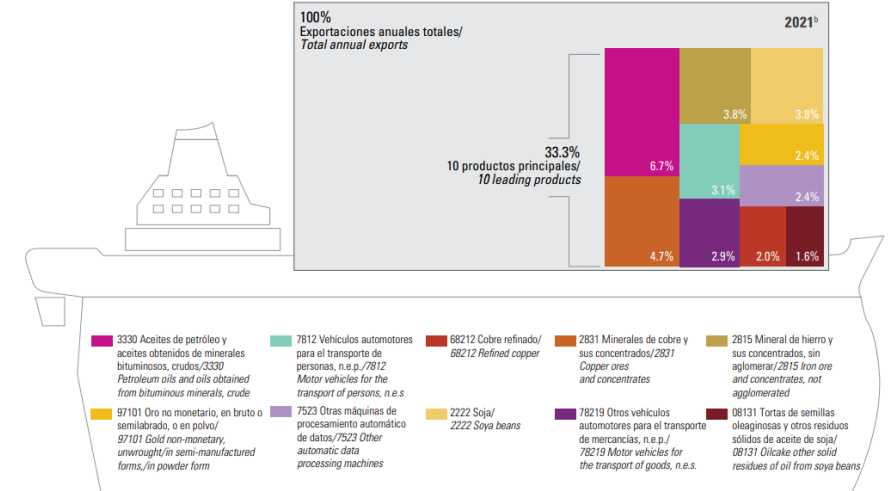
- Agricultura, ganadería, caza, silvicultura y pesca/Agriculture, hunting, forestry and fishing
- Industria manufacturera/Manufacturing
- Construcción/Construction
- Transporte, almacenamiento y comunicaciones/Transport, storage and communications
- Administración pública y servicios comunitarios y personales/Public administration and community and personal service activities
- Explotación de minas y canteras/Mining and quarrying
- Suministro de electricidad, gas y agua/Electricity, gas and water supply
- Comercio al por mayor y al por menor, reparación de bienes, y hoteles y restaurantes/Wholesale and retail trade, repair of goods, and hotels and restaurants
- Intermediación financiera, actividades inmobiliarias, empresariales y de alquiler/Financial intermediation, real estate, renting and business activities

[A] CEPAL, calculado sobre la base de cifras oficiales de los países.

[A] ECLAC, calculated on the basis of official data from the countries.

Latin America and the Caribbean: share of the 10 leading products in total annual exports (SITC, Rev.4), 2010 and 2021^[A]

(En porcentajes/Percentages)



[A] CEPAL, sobre la base de Base de Datos Estadísticos de las Naciones Unidas sobre el Comercio Internacional (UN Comtrade) [en línea] <http://comtrade.un.org/>.

[A] ECLAC, on the basis of United Nations International Trade Statistics Database (UN Comtrade) [online] <http://comtrade.un.org/>.

^a No incluye Cuba ni Haití.

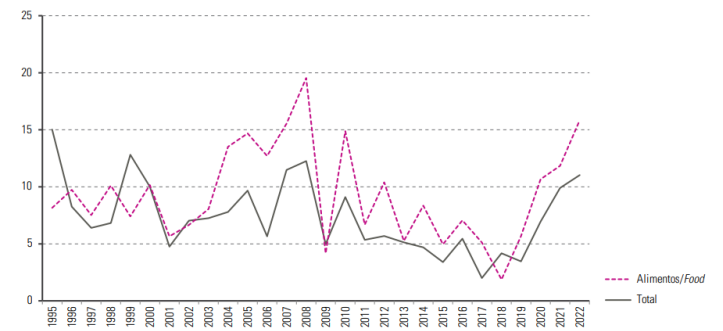
^a Does not include Cuba or Haiti.

^b No incluye Antigua y Barbuda, Bahamas, Cuba, Dominica, Haití, Jamaica, Saint Kitts y Nevis, Santa Lucía ni Venezuela (República Bolivariana de).

^b Does not include Antigua and Barbuda, Bahamas, the Bolivarian Republic of Venezuela, Cuba, Dominica, Haiti, Jamaica, Saint Kitts and Nevis or Saint Lucia.

Precios/Prices

B. El Caribe/The Caribbean



[A] CEPAL, sobre la base de datos oficiales de los países.

^a No incluye Venezuela (República Bolivariana de).

[A] ECLAC, on the basis of official data from the countries.

^a Does not include Venezuela (Bolivarian Republic of).

International classifications for the standardization of economic statistics for Latin America and the Caribbean region at ECLAC

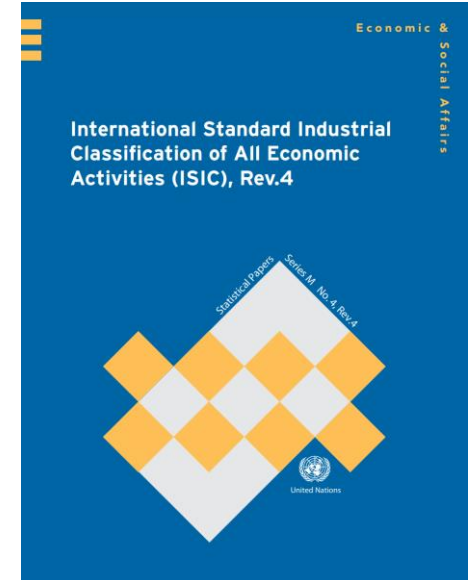


National Accounts: Compilation and harmonization of statistics at ECLAC

- National accounts series for Latin America and the Caribbean in CEPALSTAT, Statistical Yearbook, flagship publications of ECLAC (Economic Study, Preliminary Balance), methodological documents.
- Period 1950-2023.
- Data series in national currency, US dollars and PPP.
- Annual and quarterly data for current and constant values.
- Reference year for the region: 2018.
- Expenditure and production approach.
- Totals, per capita, and by subnational areas.

National Accounts Harmonization process: Classifications

- International Standard Industrial Classification (ISIC rev. 3.1, ISIC rev. 4).
- Exchange of statistical data and metadata (SDMX).

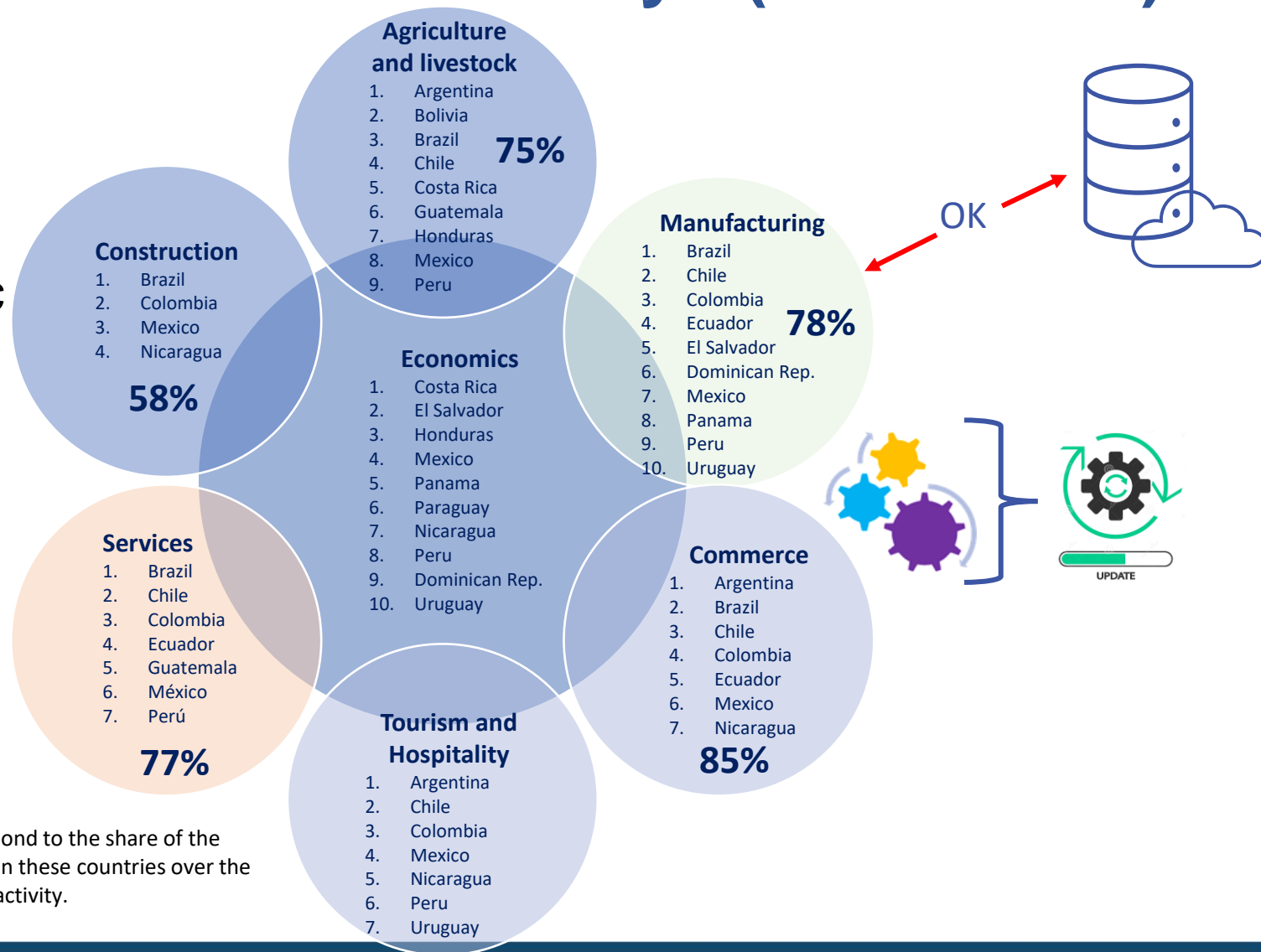


National Accounts: Challenges in the standardization process

- Adoption of the System of National Accounts (SNA-2008) in the countries of Latin America and the Caribbean (LAC).
 - Lag in the implementation of the methodology.
 - Different presentation approaches (fixed base vs. chain-linked bases).
- Economic activities classification according to national classifiers and ISIC.
 - Brazil: National Classification of Economic Activities (CNAE).
 - Mexico: North American Industrial Classification System (NAICS).
- Historical Series and data correspondence facing Classifier Updates.
- Standardization of Currencies and Exchange Rates in LAC.

Economic Surveys: Microdata Base of Economic Surveys (BADECON)

Economic surveys promotes the use of basic economic statistics and allows the production of regional intermediate indicators by detailed economic activity.



Note: Percentages correspond to the share of the activity Value Added (VA) in these countries over the regional aggregate of the activity.

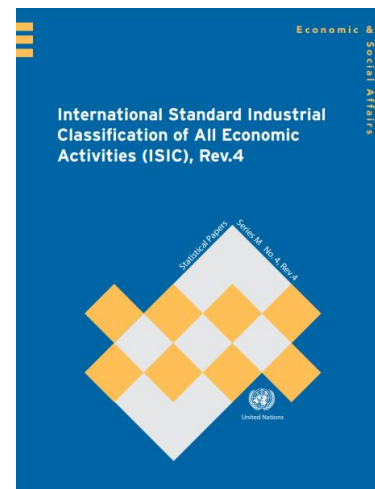
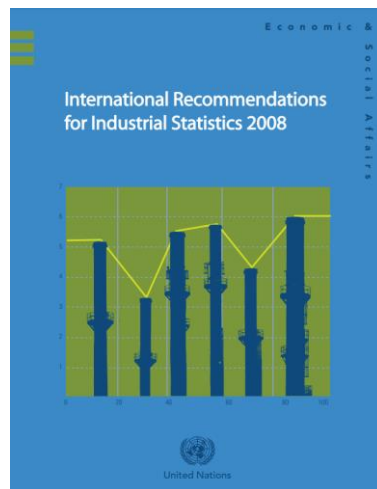
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Economic Surveys: Microdata Base of Economic Surveys (BADECON)_ Selected indicators

1. Macroeconomic aggregates by country
2. Gross Production Value by Economic Activity
3. Intermediate consumption by economic activity
4. Value Added by Economic Activity
5. Level of employed persons by economic activity
6. Level of employed persons by sex by economic activity
7. Participation of employed persons by country
8. Participation of employed persons by economic activity
9. Participation of employed persons by sex by economic activity
10. Hours worked by economic activity
11. Total remuneration by country
12. Remuneration by economic activity
13. Number of establishments by economic activity
14. Electricity consumption by economic activity

Economic Surveys: Microdata Base of Economic Surveys (BADECON)

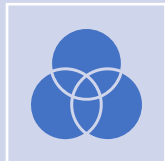
- Classifications used in standardization of Manufacturing and Services Surveys.
 - International classifications and codifications used:
 - International Recommendations for Industrial Statistics (IRIS 2008)
 - International Standard Industrial Classification (ISIC rev. 4).
 - Exchange and interoperability of statistical data and metadata among different organizations and systems (SDMX).



Economic Surveys: challenges in classification matters



Working with microdata and correlation with the correspondent classifier (ISIC rev. 4).



Non-unique correlations between microdata and classifiers.

External Sector Statistics: International trade in goods in LAC

- Information on exports of goods FOB and imports of goods CIF and FOB.
- Frequency: annual (1962-2021); quarterly (availability-2023).
- Value in US dollars.
- Classifications: SITC rev. 1 and 4, and BEC classifications.
- Information sources:
 - Database of the United Nations Statistics Division on Foreign Trade (COMTRADE).
 - Official source of information for country Balance of Payments statistics.

External Sector Statistics: International trade in services in LAC

- Information on credits and debits for services.
- Frequency: annual (1980-2022); quarterly (availability - 2023)
- Value in US dollars.
- Classifications: EBOP.
- Information sources:
 - Database of the United Nations Statistics Division on Foreign Trade (COMTRADE).
 - Official source of information for country Balance of Payments in statistics.

External Sector Statistics: Balance of payments in LAC

- Disaggregated information is presented according to the IMF Balance of Payments Manual and SDMX coding.
- 33 LAC countries for the period between 1980 and the latest available year (2023).
- Values in dollars at current prices.
- Frequency: annual and quarterly.
- Information sources:
 - Official source in each country in LAC.

External Sector Statistics: Challenges in LAC

- Lack of correspondence tables between some classifiers (HS vs. ISIC).
- Country national ad-hoc classifications without correspondence with international classifications.
- Update of international classifications to incorporate new products and services.

Prices

- Statistical series developed and disseminated at CEPALSTAT, Statistical Yearbook, and other ECLAC flagships:
 - Total Inflation index, Core Inflation Index, Inflation index for: Food, Energy, other Goods and Services; Tradable-Non-tradable Inflation Index at regional, subregional and country level.
- International classification used:
 - COICOP 2001/2018 (CPI)
 - CPC 2.0/CPC 2.1 (PPI)
 - ISIC Rev 4.0 (PPI)
 - ISCO - International Standard Classification of Occupations 2008 (Compensation)
 - HS 2012 (Nandina-CAN/NCM- Mercosur)

Prices

- Challenges and opportunities:
 - Update of COICOP 2018.
 - Harmonize prices indicators (H-CPI).
 - Update the base periods and reference basket for different price indices.
 - Implement a regional forum to discuss methodologies and classifications.

Final remarks

- Disseminate global progress in international classifications updates.
- Share best practices (regional fora, etc.).
- Capacity-building activities (TA, seminars, expert groups).
- Use of SDMX coding for data interoperability.

Questions?

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Thank you.

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and sustainable future