

Meeting of the Group of Experts on Business Registers

October, 2019



Profile of Manufacturing Exports Enterprises of Mexico

Goal

The Profile of Manufacturing Exports Enterprises Project aims to provide information on the characteristics of manufacturing enterprises involved in export and import activities, with the purpose of contributing to the analysis of the effects of international trade on the production and employment in Mexico

Specific goals

- Strengthen the statistical infrastructure with a deep view of manufacturing activities related to external sector
- Give information on the export and import proclivity of enterprises
- Assess the effects of international merchandise trade in domestic production and employment

Specific goals

- Support to policy makers with more robust information on Mexican foreign trade by the manufacturing enterprise characteristics
- Provide basic statistics for the measurement on Value Added of Global Manufacturing Export in the framework of national accounts

Observation unit

The observation unit is the enterprise, i.e., the group of establishments which share the same business name; the information on these establishments is contained in RENEM, associated to a common identifier

Data Collection

International Trade Statistics of Merchandise of Mexico (Customs Records)

Economic Censuses

Annual Survey of Manufacturing Industries

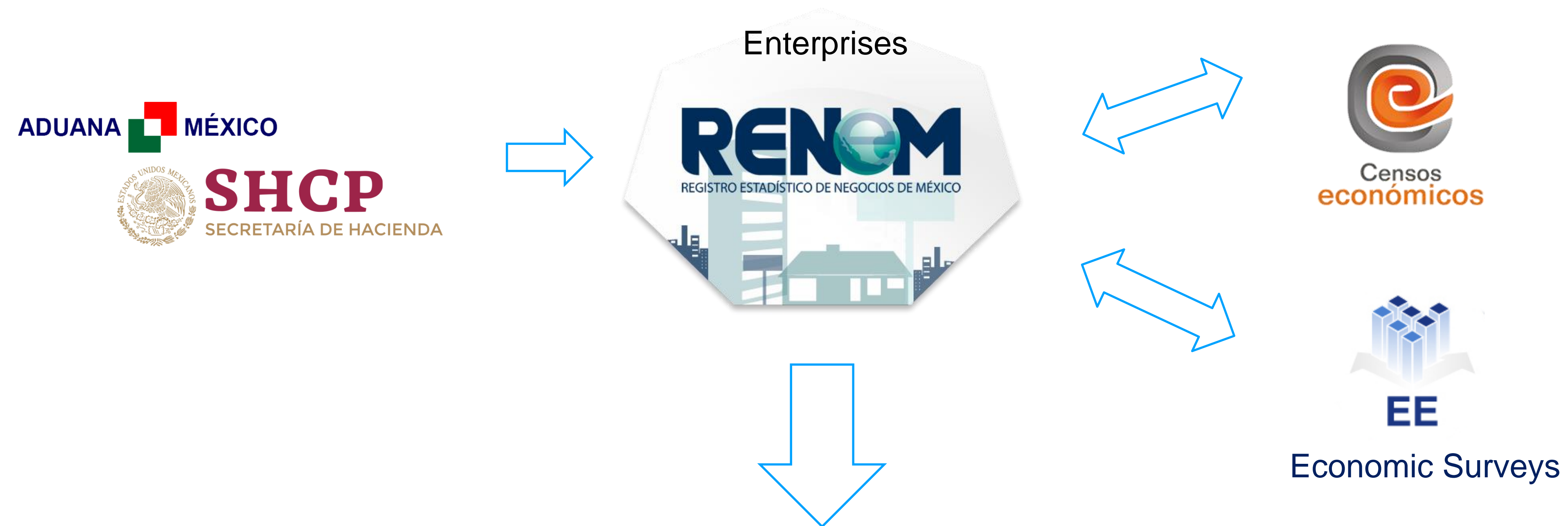
Statistics of the Program of Manufacturing, Maquiladora and Export Services Industry (IMMEX)

Integration of information

Once the information has been linked, INEGI integrates the information from the Annual Survey of Manufacturing Industries and from the IMMEX Program in order to increase coverage.

For this study, an annual series for the time period 2007-2018 was constructed for companies, taking into account data from both the Economic Censuses and the Annual Survey of Manufacturing Industries.

Linkage among customs records, Economic Censuses and Economic Surveys



Characterization of enterprises who trade with other countries

Validation

Validation of Information was carried out on two levels:

1) Validation at company level. The following processes were carried out; a) it was verified that, in effect, all the establishments from a multi-establishment company shared the same business name, b) reported production and employment values were reviewed, as well as their historical evolution, and c) a detailed follow-up of the inputs and outputs in the Export Manufacturing Companies Program universe of study was carried out.

2) Validation at the aggregate level. The trends of strata by number of employees, by production level and by economic activity subsectors were analyzed, and comparisons with other statistical projects were established.



Some results

Manufacturing enterprises by exporting and importing status 2013-2017

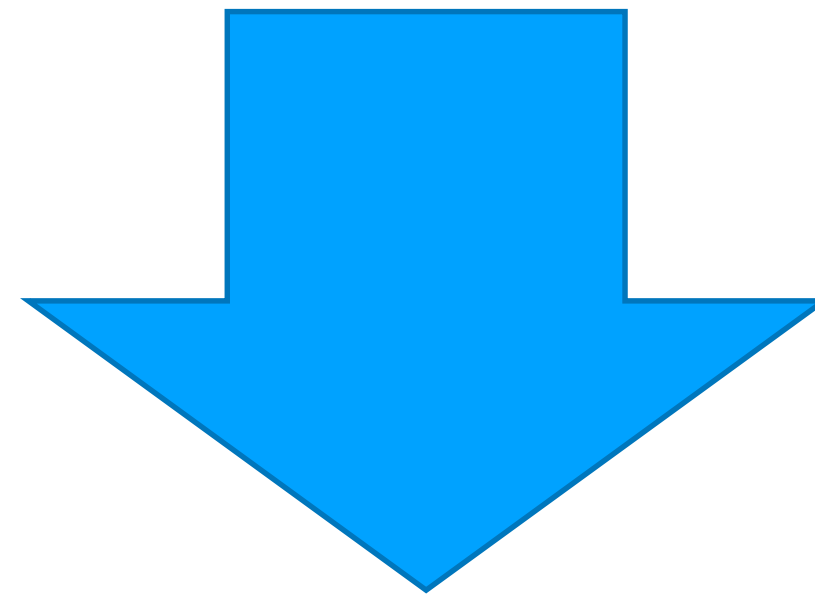


Enterprises with outward orientation

Sales of products abroad

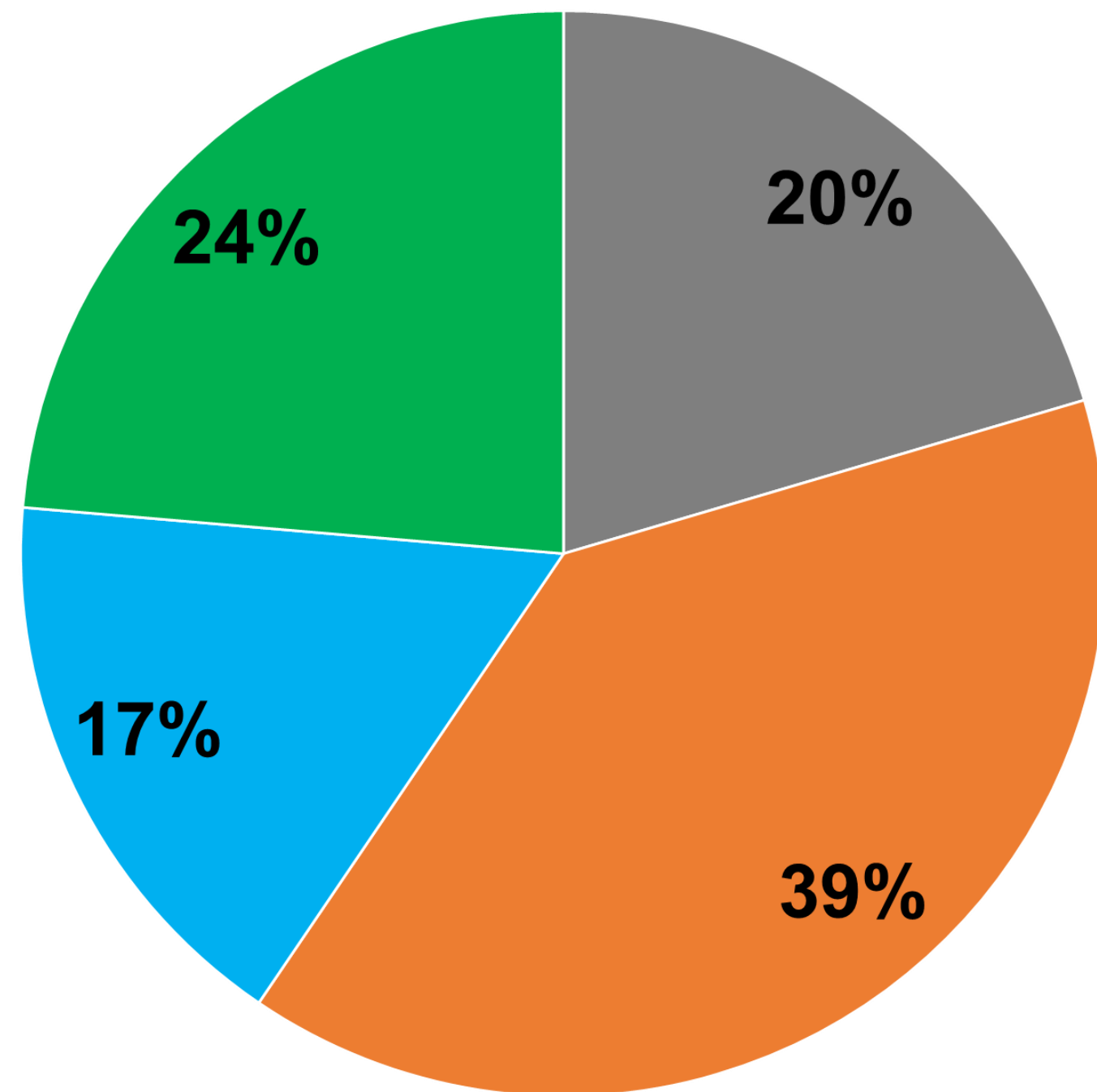
Purchases of raw materials and other from abroad

All manufacturing enterprises with IMMEX Program

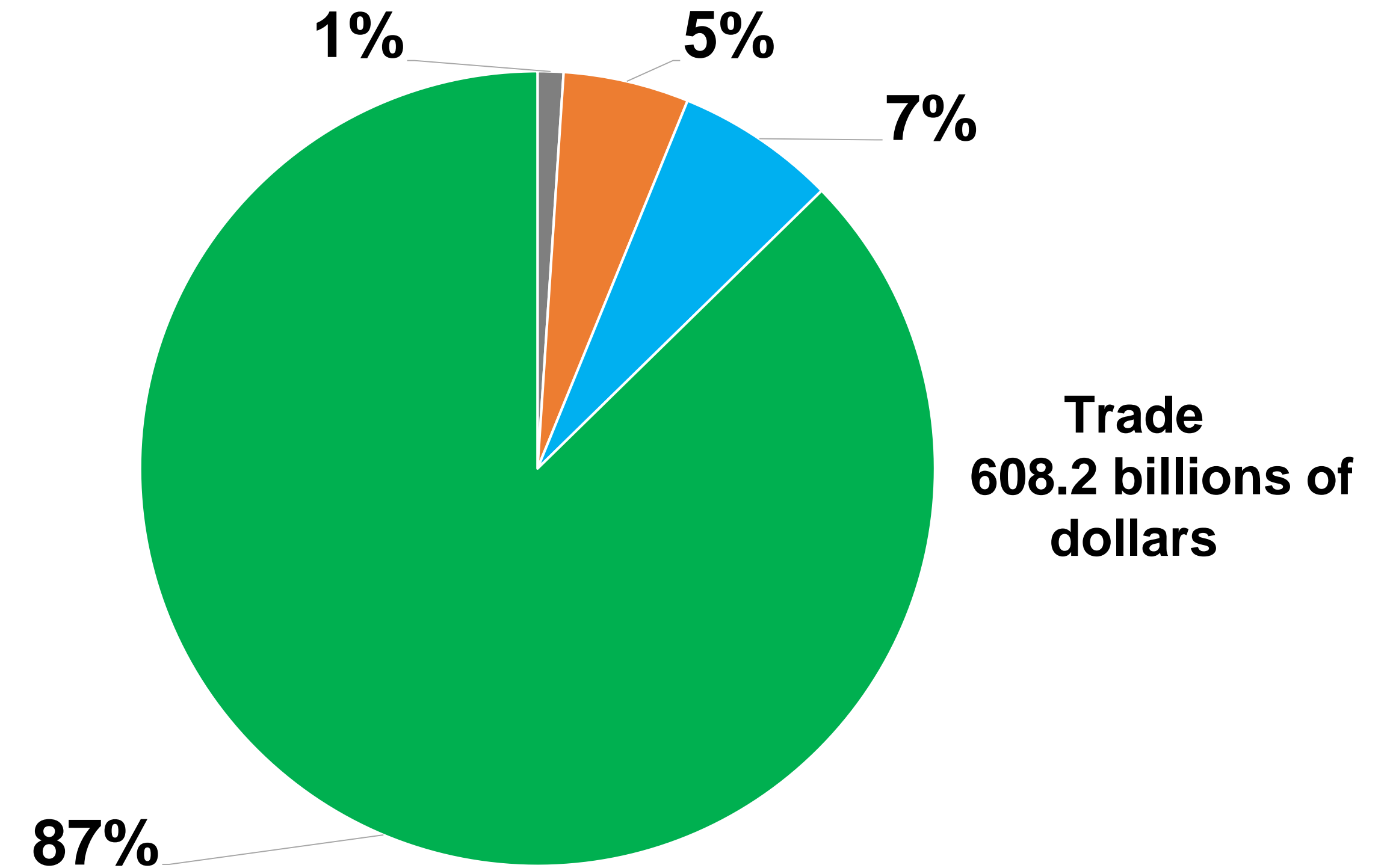


Enterprises accomplishing at least one of these three conditions are part of the subset with outward orientation

Distribution of manufacturing enterprises and their value of trade by size according to number of employees, 2017



Total enterprises
6,645



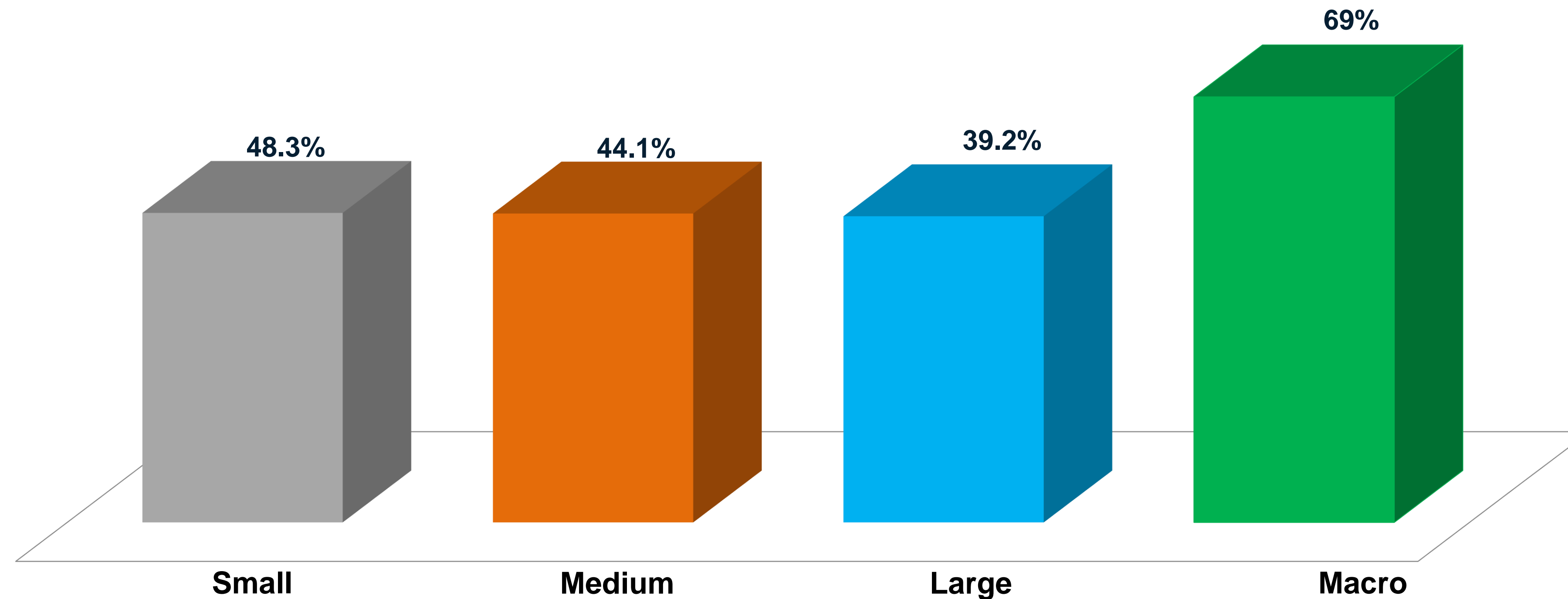
Trade
608.2 billions of
dollars

Small Medium Large Macro

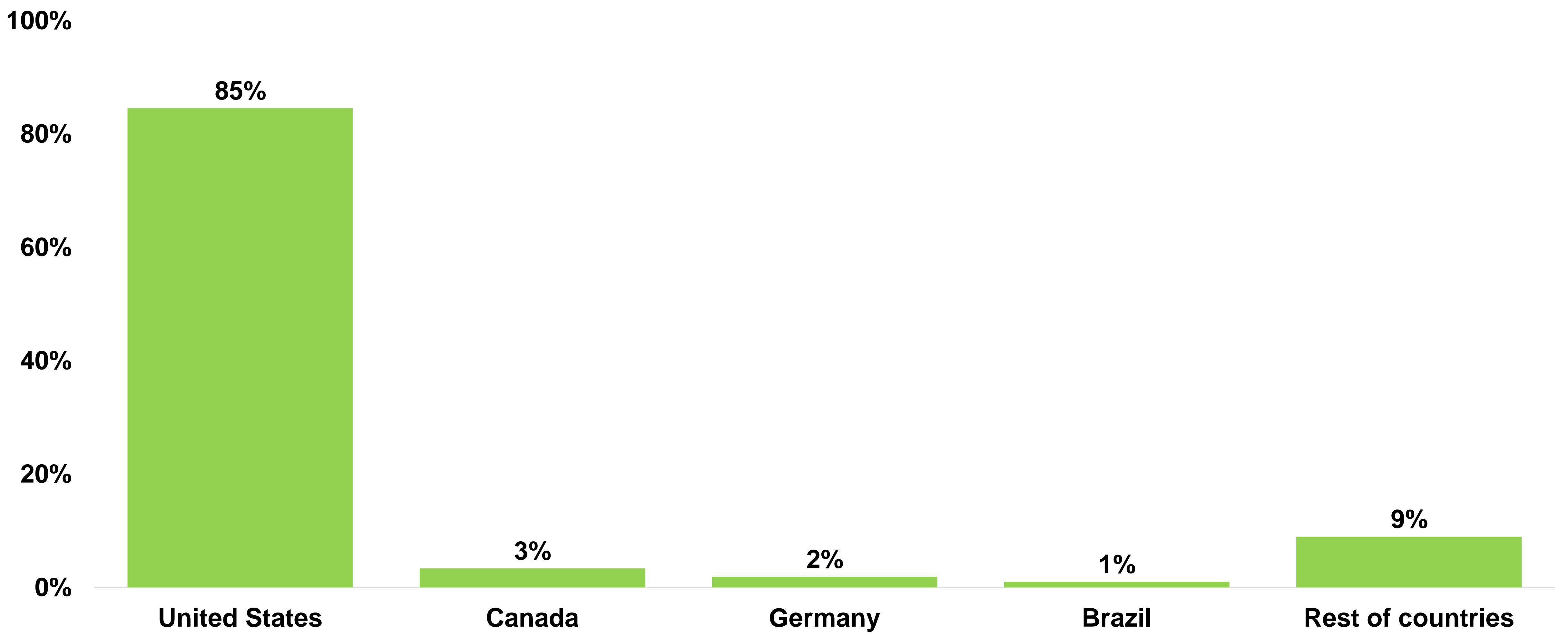
Average value of export and import by size of manufacturing enterprises, 2017

Size of enterprise (Number of employees)	Million US dollars	
	Exports	Imports
1 to 50	1.7	4.6
51 to 250	14.1	17.0
251 to 500	17.8	21.8
More than 500	289.9	241.0

Share of exports in the production of manufacturing enterprises, according to number of employees, 2017



Distribution of exports of manufacturing enterprises with more than 500 employees by main destination countries, 2017



Conclusions and developing work

1. In countries where there is no public unique identifier key for each economic unit, it is a challenging task to link information from different sources. However, by using RENEM as a bridge between internal and external sources relative to INEGI, problem complexity reduction is achieved.
2. Current IT tools facilitate the linkage of information sources to RENEM.
3. Linking different sources allows obtaining new information that helps to have more evidence for better informed decision-making, in this case on the effects of international trade on the production and employment in Mexico.
4. The next natural step is to obtain the profiles of Exporting Manufacturing Companies by State, since RENEM contains geographical data for all establishments that make up each of the enterprises.

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