# Harmonization of product classifications:
# A consistent time series of economic trade activities

# Data Archive

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The original concordance files are provided by the RAMON server `https://ec.europa.eu/eurostat/ramon`. For the application two data sets were used. Both are accessible in the Croatian Bureau of Statistics (DZS) safe room. Authors main contact person at DZS was Ms Tihana Sabolek (e-mail: `SabolekT@dzs.hr`). Future researchers are advised to first contact the institution via a general institutional contact (web site: `https://dzs.gov.hr/kontakti/83`, and e-mail: `stat.info@dzs.hr`).

## 1. Combined Nomenclature Dataset

The Combined Nomenclature (CN) is a tool for classifying goods, set up to meet the requirements both of the Common Customs Tariff and of the EU's external trade statistics. The CN is also used in intra-EU trade statistics. The Combined Nomenclature Dataset at the DZS stems from the Ministry of Finance, Customs Administration (`https://carina.gov.hr/en`) and is composed of two sub-datasets: a) exports at the firm-year-product-market level of observation, and b) imports at the firm-year-product-market level of observation. The exports and imports are also indicated in a variable (Croatian: tok) which takes the value of 1 for imports, and 2 for exports. Available variables include:

- *Firm ID (Croatian: MB kod)*: firm identification number.

- *Year (Croatian: godina)*: reference period.

- *Product code (Croatian: CN kod)*: CN 8-digit product code (either exported or imported). These codes are a further development (with special EU-specific subdivisions) of the World Customs Organization's Harmonized System nomenclature. This is a systematic list of commodities applied by most trading nations (and also used for international trade negotiations). It is used to classify most goods when they are declared to customs in the EU.

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- *Units (Croatian: kol jm)*: Type of units in which products are exported or imported (e.g. number of pieces, gram, kilograms, tons, meter, etc.).

- *Quantity (Croatian: kg)*: Number of units.

- *Value (Croatian: HRK)*: the value of product exported or imported (in Croatian kuna).

- *Foreign market (Croatian: zemlja)*: Character variable for the country from which the product is imported or to which it is exported.

## 2. PRODCOM Survey Dataset

The Production and sale of industrial products (Prodcom) survey is an annual survey conducted by DZS with the aim to collect statistics on the amount of production of each of the products in the PRODCOM list, that has taken place in the reporting country during the reference period. The regulation stipulates that national survey methods should ensure that 90 % coverage across the whole 4-digit NACE class is achieved. PRODCOM Survey Dataset is at the firm-year-product level. Available variables include:

- *Firm ID (Croatian: MB kod)*: firm identification number.

- *Year (Croatian: godina)*: reference period.

- *Product code (Croatian: SIFRA PROIZVODA)*: Prodcom 8-digit codes of the products listed in Prodcom, which is to be used to survey production during that year. The Prodcom list contains about 4 000 different types of manufactured products. The first 4 digits of a Prodcom code refer to the statistical classification of economic activities (NACE) classification and the first 6 digits refer to the statistical classification of products by activity (CPA) classification. The last 2 digits are specifically for Prodcom. Most of the Prodcom codes have a 'complete reference' to the Combined nomenclature (CN). A complete reference refers to the full comparability between data from Prodcom and data from international trade in goods, classified according to the CN.

- *Units (Croatian: JED MJERE)*: Units of products (e.g. kilograms, tons)

- *Actual production (Croatian: PROIZV UKUPNO)*: Actual production in units. This includes any production that is carried out. It covers products that are intended for final consumption sale and that are intermediate goods processed into another product, fitted into another product, or put into stock.

- *Production of intermediate goods (Croatian: PROIZV ZA DALJ)*: Production of intermediate goods for further production of other products.

- *Quantity sold (Croatian: PRODAJA KOLICINA)*: Production value in units. This includes product units sold (invoiced) at any time during the reference period.

- *Value sold (Croatian: PRODAJA VRIJEDNOST)*: Production value in Croatian kuna. This is defined as the products sold at any time during the reference period.

- *Quantity exported (Croatian: PRODAJA KOLICINA IZVOZ)*: Exported quantity in units. This includes exported product units at any time during the reference period.

- *Value exported (Croatian: PRODAJA VRIJEDNOST IZVOZ)*: Value exported in Croatian kuna. This is defined as the products exported at any time and exported during the reference period.