



# Evidence based policy support in Global Value Chains



**Experts Meeting EU Facility Joint Response to COVID-19**

*Fostering sustainable development models in LAC countries*

Webinar: “Regional Integration is key for Economic recovery”

Santiago de Chile, 6 July 2021

Prof. Dr. José M. Rueda-Cantuche

### What is FIGARO?

- The result of a co-operation project between Eurostat and the European Commission's Joint Research Centre.
- New statistical product for compiling EU inter-country supply, use and input-output tables.
- A unique tool allowing economic modellers, policy-makers, and other interested parties to analyse the socio-economic and environmental effects of globalisation.



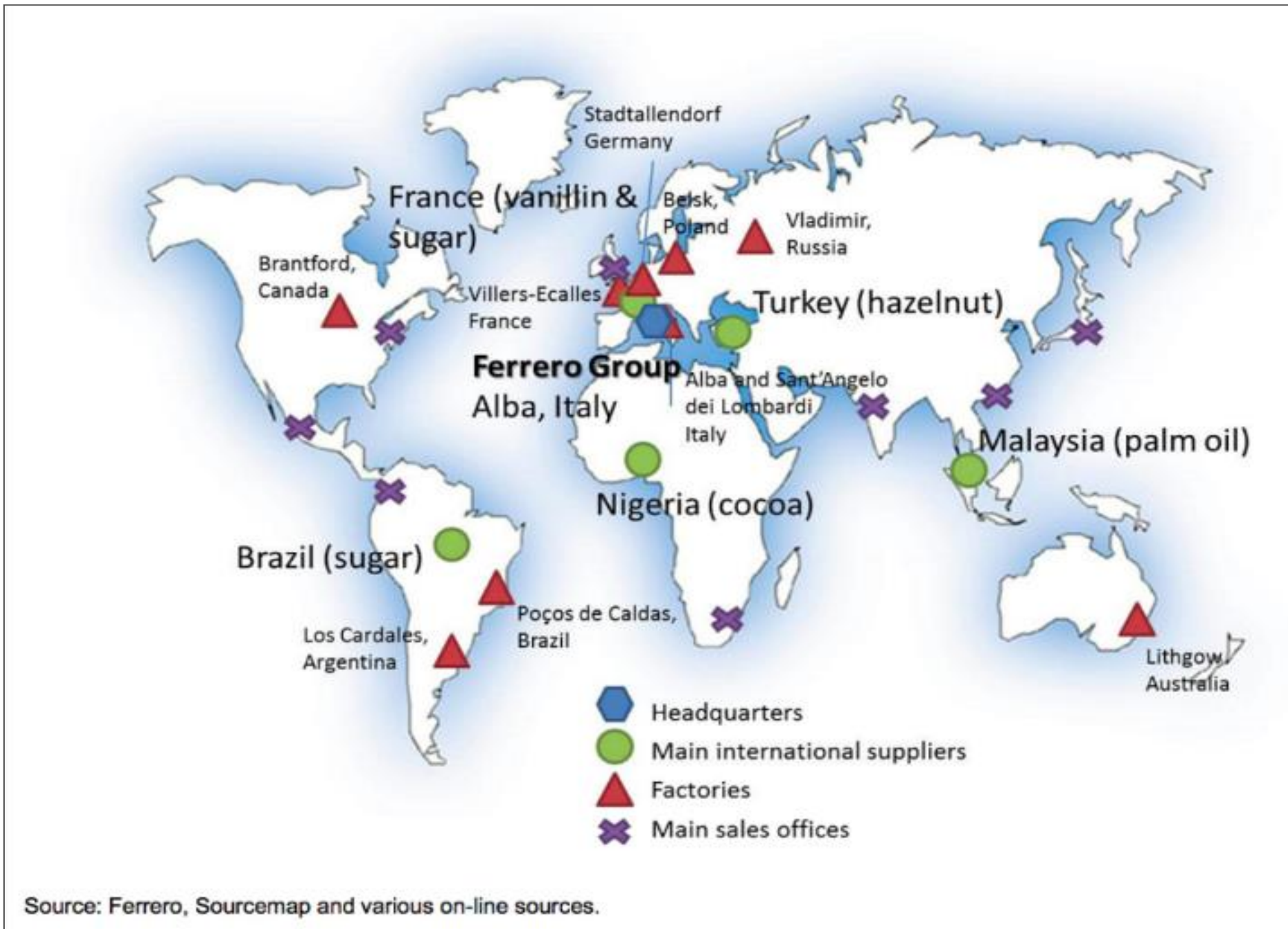
- EU Member states for the supply, use and input-output tables, international trade and tourism statistics.
  - OECD inter-country input-output (ICIO).
- UN and OECD for the international trade statistics.
  - OECD for the transport margins.

### Who provides the data?

Annual time series available from 2010 for the European Union of 27 Member States, the United Kingdom, the United States and 17 main EU partners.

# Main features

- **Calendar**
  - 5-yearly inter-country SUP and USE tables
  - Annual inter-country IO tables (pxp & ixi)
  - Time series: 2010-2019
  - Next release: May 2022 -> 2010-2020
- **Country coverage:**
  - 2010-2017: EU countries, United States and UK (64 industries/products); G20, Norway and Switzerland, RoW (30 ind/prd)
  - 2018-2019: 21/17 industries/products, analogously
- **Continued** up to 2023: PYP, ESUTs, N/SAMs, and GVC indicators



Source: Ferrero, Sourcemap and various on-line sources.

# Trade in Value Added / Value Added in Trade

## Factor in Trade (XiT)

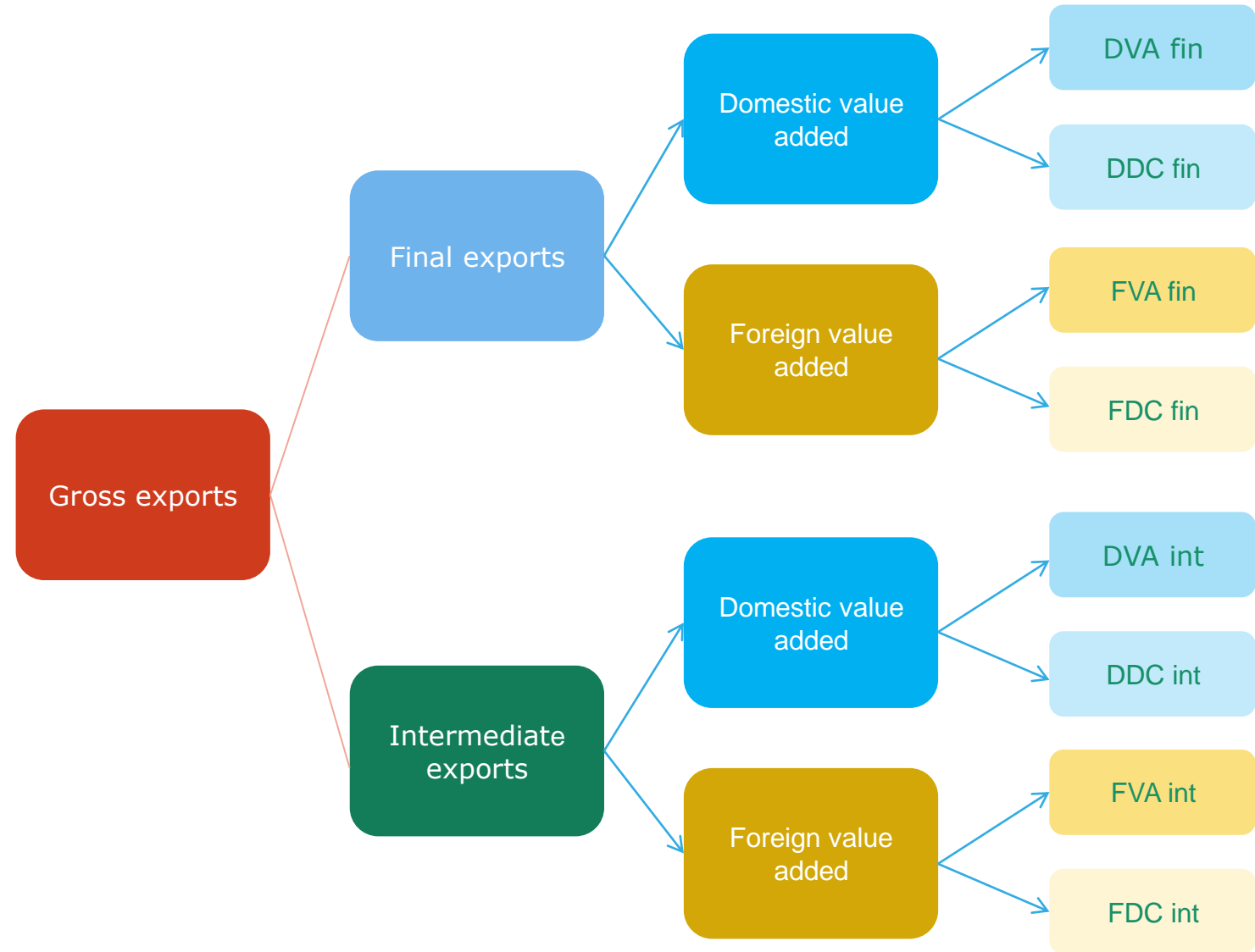


## Trade in Factor (TiX)



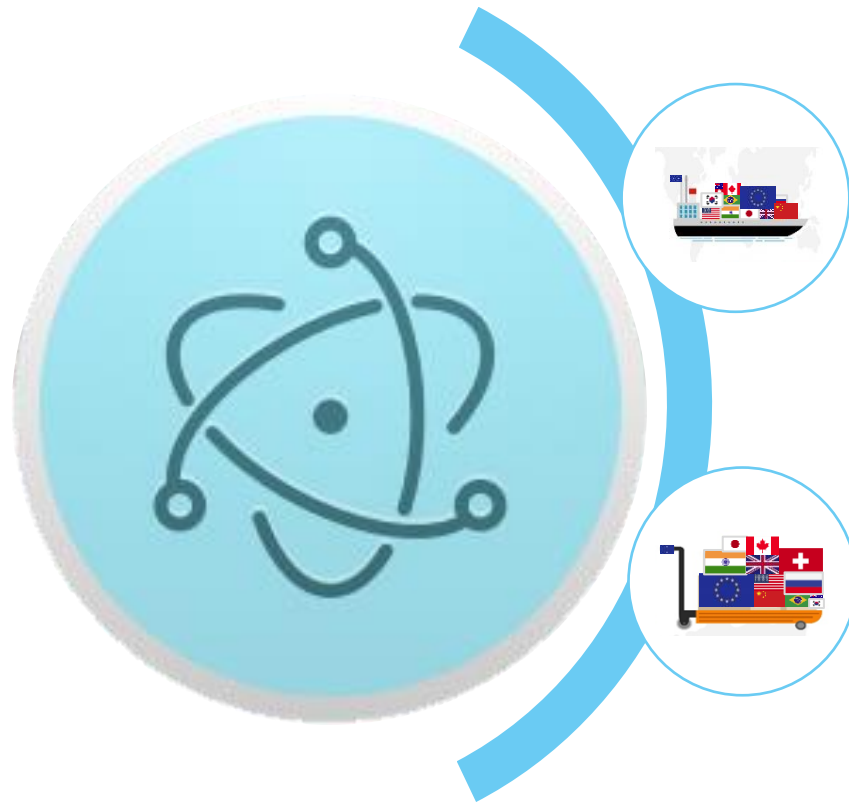


# Components of Factor content of trade





# Trade-SCAN: What is it for?



## Factor in Trade (XiT)

- Value Added in Trade (VAiT): Exports Decomposition
- Employment in Trade: Trade & Jobs
- Emissions in Trade: Emissions balance
- FIGARO, OECD, WIOD, EXIOBASE

## Trade in Factor (TiX)

- Trade in Value Added (TiVA)
- Trade in Employment: Impact of Expenditure in Employment
- Environmental Footprints: Consumer responsibility
- FIGARO, OECD, WIOD, EXIOBASE

## Measuring bilateral trade in terms of value added

Arto, I., Dietzenbacher, E. and Rueda-Cantuche, J. M.

2019



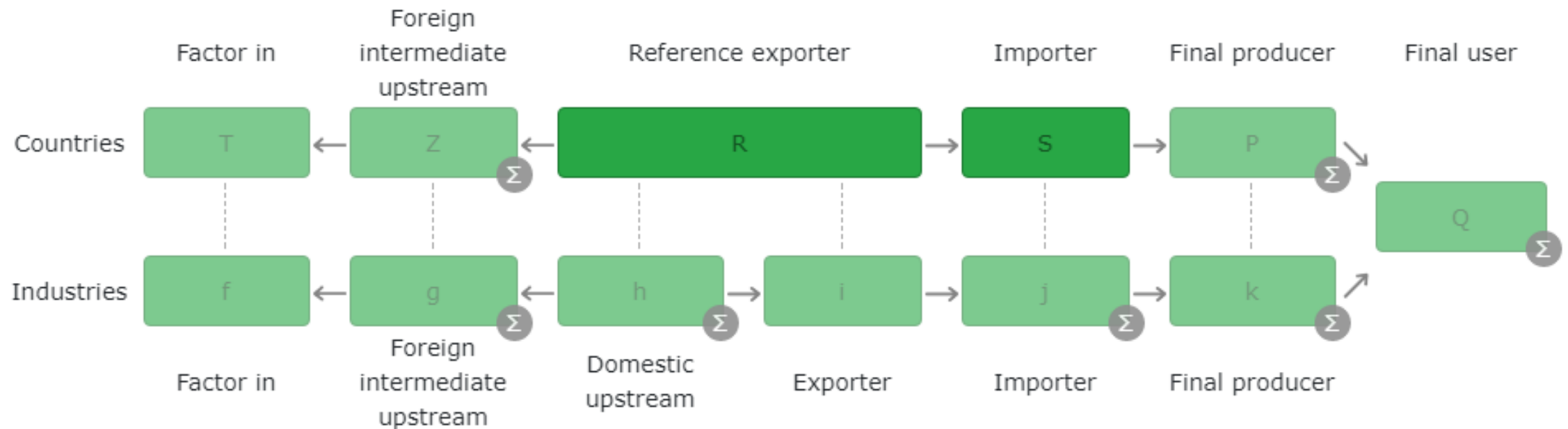
# Methodology

Developed by JRC with international experts

Refines previous approaches

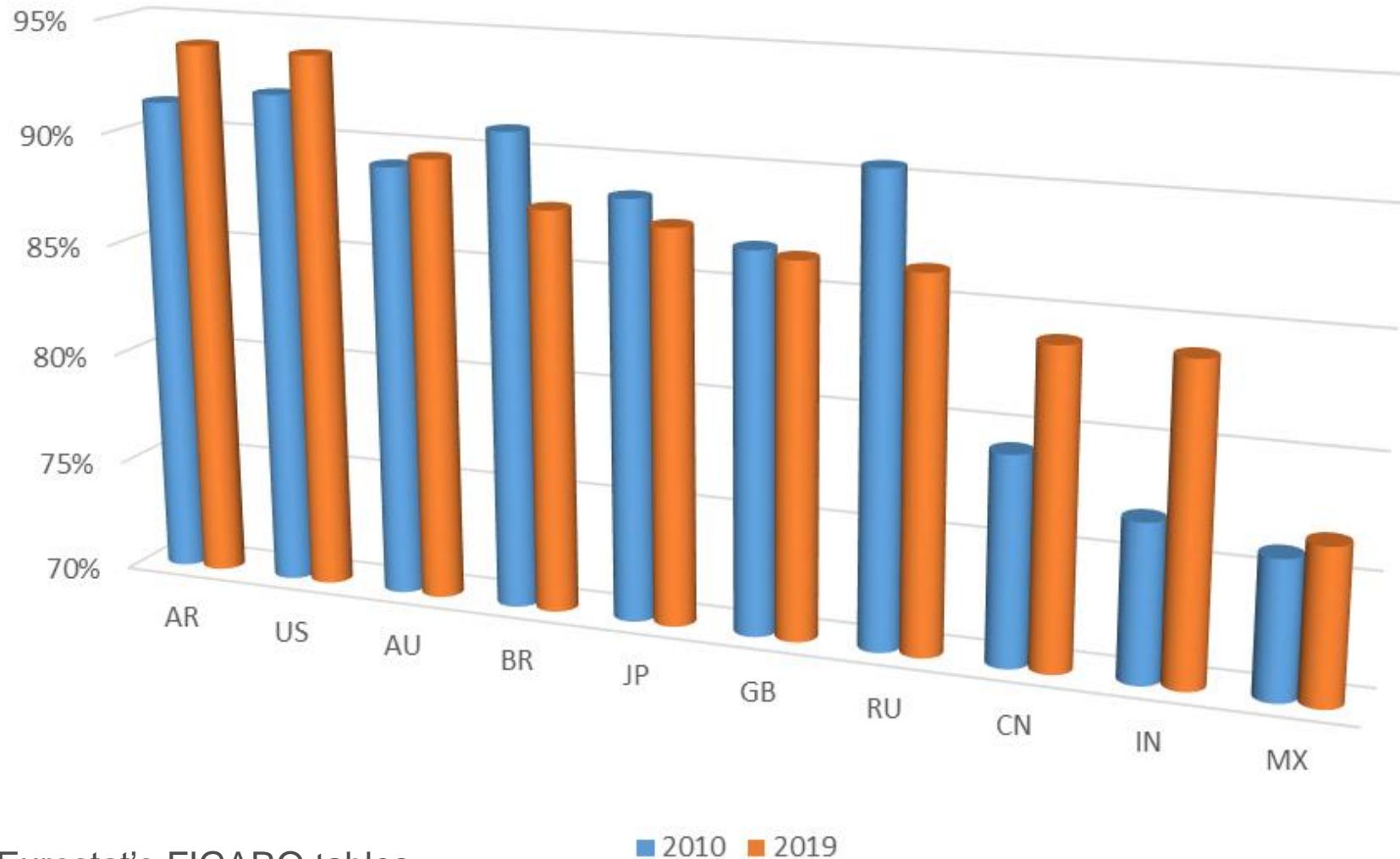
Gross bilateral trade in value added terms

# Select Countries and Products





## Domestic value added content shares of gross exports to EU



Source: Eurostat's FIGARO tables

# Some concluding remarks towards the recovery

- Relevance of **good trade, economic national and regional statistics**.
- Relevance of **new demands for information on global production networks**, such as goods sent abroad for processing and merchandising.
- Importance of **good analysts and experts** in Input-Output Analysis and Input-Output Modelling -> Universities, Masters, specific trainings, IIOA.
- From macro to **micro-economic analyses of GVCs**: merchandise trade, re-exports, GVC accounting (UNSD Handbook), ESUTs (heterogeneity).
- **Regional GVC** experience in the European Commission (**Rhomolo** input-output model)



# ¡¡Muchas gracias por su atención!!



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