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## Motivation

Globalization and complex value chains require tools to analyze economic interdependencies across countries and regions.

## Objective

To quantify Spain’s participation in global value chains using TiVA-based indicators built on harmonized European data and MRIO frameworks.

## What is TiVA?

Trade in Value Added (TiVA) measures countries’ contributions to international trade in terms of value added rather than gross flows.

## Why does it matter?

TiVA reveals global value chain interdependencies by identifying where value is created, supporting the analysis of trade, competitiveness and shocks, including tariff simulations and their impacts.

## Who promotes it?



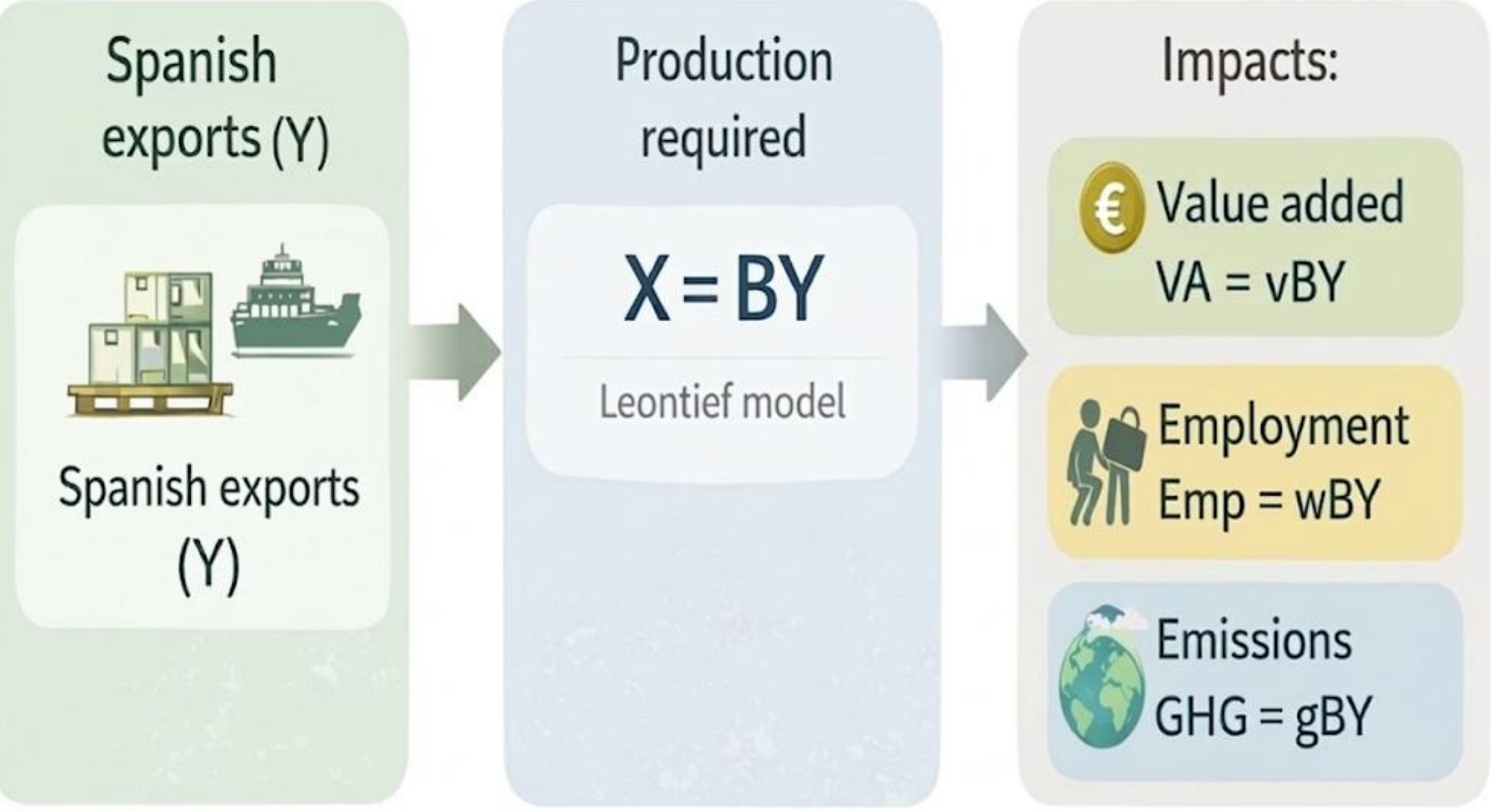
## MRIO Database Used

50 countries

64 industries

FIGARO MRIO (Eurostat + JRC)

## What do we calculate?



Y: exports · v, w, g: value added, employment and emissions coefficients



## Key Findings for Spain (2023)

€328B

Value added in exports

22% of GDP

5.1M

Employment linked to exports

24% of total

91.4 Mt

CO<sub>2</sub> emissions from exports

-8.0% vs 2022

## Policy simulations

exposure indicators

Simulate tariff shocks to assess impacts across industries and countries



## TiVA Dashboard

Interactive dashboard structured around four key dimensions:



Results can be explored through:

