Trade in value added indicators – improved timeliness and new information on global value chains

Kristian Taskinen, 25 April 2023
UNECE: Group of Experts on National Accounts
Co-operation between OECD and Statistics Finland

• Strong policy need for more timely and more granular statistics on global value chains (GVC) in Finland
• Statistics Finland and OECD co-project in 2019-2020 was financed by domestic stakeholders
• Build on previous extensive development work by the Nordic statistical institutes (micro-data linking, MDL) and OECD-WTO (Trade in Value Added, TiVA)

• Objectives of the development
  - Preliminary TiVA-indicators for Finland with t+18 months delay (OECD schedule t+30 months)
  - New classifications for existing indicators (firm heterogeneity: size, productivity, role in GVC)
  - New indicators on employment effects of GVCs (jobs dependent directly or indirectly on trade, professions supported by trade, skills, gender aspects)
  - Set up processes for regular annual production

• Globalisation in Finland: Granular insights into the impact on businesses and employment
• Experimental statistics: Trade in value added (only StatFin database tables in English)
Finland’s gross exports and domestic value added content in 2021
Indirect domestic value added content of Finland’s gross exports in 2021, by source industry

- 02 Forestry and logging
- 46 Wholesale trade, except of motor vehicles and motorcycles
- 49 Land transport and transport via pipelines
- 68 Real estate activities
- 69, 70 Business management activities
- 62, 63 Computer and information service activities
- 35 Electricity, gas, steam and air conditioning supply
- 52 Warehousing and support activities for transportation
- 25 Manufacture of fabricated metal products, except machinery and equipment
- 71 Architectural and engineering activities; technical testing and analysis

(millions of euros)
Origin of value added embodied in Finland’s gross exports in 2021

- Domestic value added in exports: 61 bn €
- Foreign value added in exports: 38 bn €
- Finnish exports: 99 bn €
Largest export industries in Finland in 2021 by origin of value added of gross exports (m EUR)
Shares of exports by firm size in 2021

- **Large enterprises (>250 employees)**
  - Gross exports: 18%
  - Domestic value added content: 30%

- **Medium-sized enterprises (50-250 employees)**
  - Gross exports: 25%
  - Domestic value added content: 26%

- **Small enterprises (<50 employees)**
  - Gross exports: 57%
  - Domestic value added content: 45%
Employment indicators 2020

- Employment embodied in direct exports
  - Males: 200,000
  - Females: 80,000

- Employment embodied in indirect exports
  - Males: 220,000
  - Females: 90,000
Finland’s trade dependence on China 2013-2021

- Imports from China (% of total imports)
- Exports to China (% of total value added exports)
- Chinese value added in Finland’s gross exports (%)

Graph showing the percentage of Finland’s trade dependence on China from 2013 to 2021.
Thank you!