

# ORBIS GREENFIELD INVESTMENT & BACI BILATERAL TRADE DATABASES

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# Orbis Crossborder Investment Database

- Part of the Orbis family of databases, managed by Bureau van Dijk, a Moody's Analytics company
- Greenfield Foreign Direct Investment (FDI) projects and cross-border Mergers & Acquisitions (M&A)
- Collection methodology:
  - Use multiple news aggregation products and newsfeeds to identify potential FDI projects.
  - Collect additional information from reliable websites and sources: press releases, company websites, Securities and Exchange Commission (SEC) filings or stock exchange announcements, etc.

# Key Features, Data Coverage, and Accessing

- Bilateral FDI project-level data
  - Project name
  - Source
  - Destination
  - Investing firm: location, industry
  - Date: Announcement date, completion date
  - Industry: NACE, NAICS, SIC, etc.
  - Business function: manufacturing, retail, etc.
  - Capital investment
- Coverage
  - Year: 2013 - now
  - Source countries: 180
  - Destination countries: 220
  - Industry: 584 NACE industries, 1296 NAICS industries
  - Projects: more than 196,000 projects between 2013 and 2023
- Subscription-Based Access: Available through institutional subscriptions, offering tailored access options for academic, corporate, and government organizations

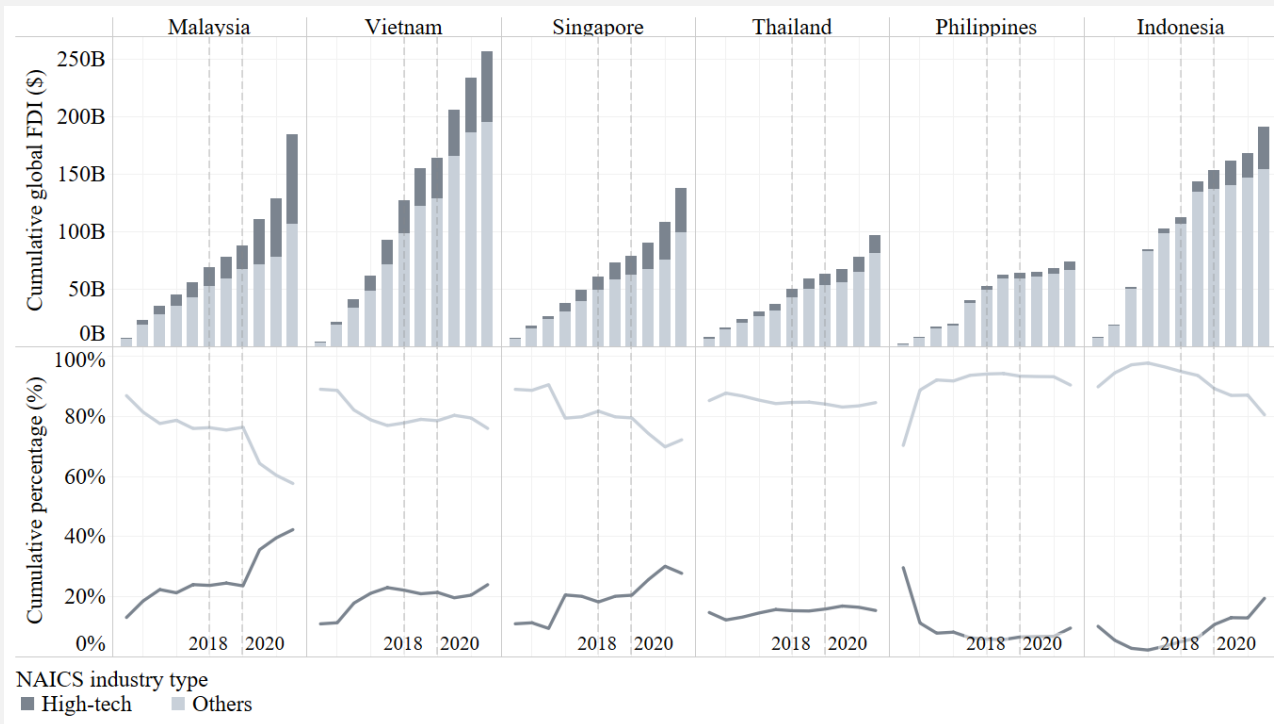
# Key Features

| DateAnno... | project_headline                               | capital... | businessfunc... | source_coun...  | source_city | dest_country     | dest_city | code_... | code_NAICS_1st...    | invest_name               |
|-------------|--|------------|-----------------|-----------------|-------------|------------------|-----------|----------|----------------------|---------------------------|
| 2022-03-15  | Megger opens sales office in Durban, South...  | 4.37455    | Sales Office    | United Kingd... | Dover       | South Africa     | Durban    | 334513   | Instruments and ...  | MEGGER GROUP LTD          |
| 2022-03-15  | Mercedes opens lithium-ion battery manufa...   | 1000       | Manufacturing   | Germany         | Stuttgart   | United States... | NA        | 335912   | Primary Battery ...  | MERCEDES-BENZ US INTERNAT |
| 2022-03-15  | Mercedes to open lithium-ion battery manuf...  | 158.89...  | Manufacturing   | Germany         | Stuttgart   | Thailand         | Bangkok   | 335912   | Primary Battery ...  | MERCEDES-BENZ GROUP AG    |
| 2022-03-15  | Mercedes to open lithium-ion battery manuf...  | 158.89...  | Manufacturing   | Germany         | Stuttgart   | China            | Beijing   | 335912   | Primary Battery ...  | MERCEDES-BENZ GROUP AG    |
| 2022-03-15  | Mercedes to open lithium-ion battery manuf...  | 130.11...  | Manufacturing   | Germany         | Stuttgart   | Poland           | Jawor     | 335912   | Primary Battery ...  | MERCEDES-BENZ GROUP AG    |
| 2022-03-15  | Moody Tiger opens children's clothing store... | .82022...  | Retail          | Hong Kong S...  | NA          | China            | Shanghai  | 448130   | Children's and In... | MOODY TIGER LTD           |
| 2022-03-15  | Naturkompaniet expands outdoor clothing st...  | .82022...  | Retail          | Switzerland     | Baar        | Sweden           | Stockholm | 451110   | Sporting Goods ...   | NATURKOMPANIET AB         |
| 2022-03-15  | Netstal opens regional headquarters in Hebr... | 65.618...  | Regional He...  | Switzerland     | Naefels     | United States... | Hebron    | 551114   | Corporate, Subs...   | NETSTAL INC.              |
| 2022-03-15  | Northleaf expands investment office in Lond... | 1.6404...  | Banking & Fi... | Canada          | Toronto     | United Kingd...  | London    | 523910   | Miscellaneous In...  | NORTHLEAF CAPITAL PARTNER |

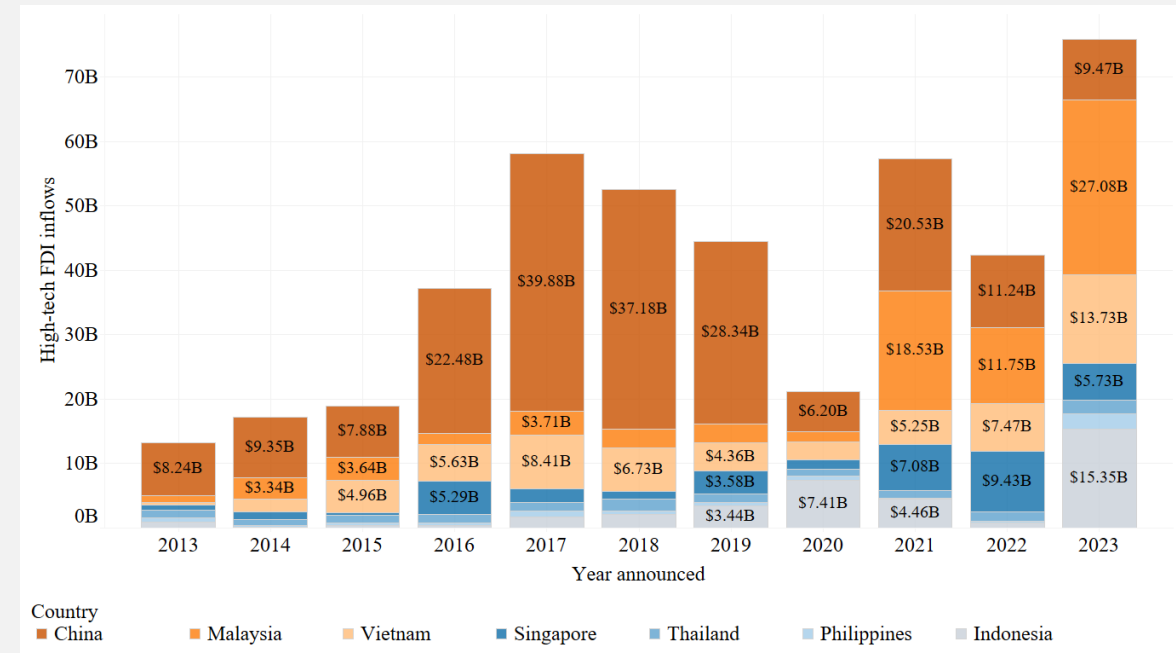
# Applications

- Trend analysis on FDI inflows/ stocks

Global high-tech FDI stocks into China and ASEAN-6 countries



Global high-tech FDI inflows into China and ASEAN-6 countries

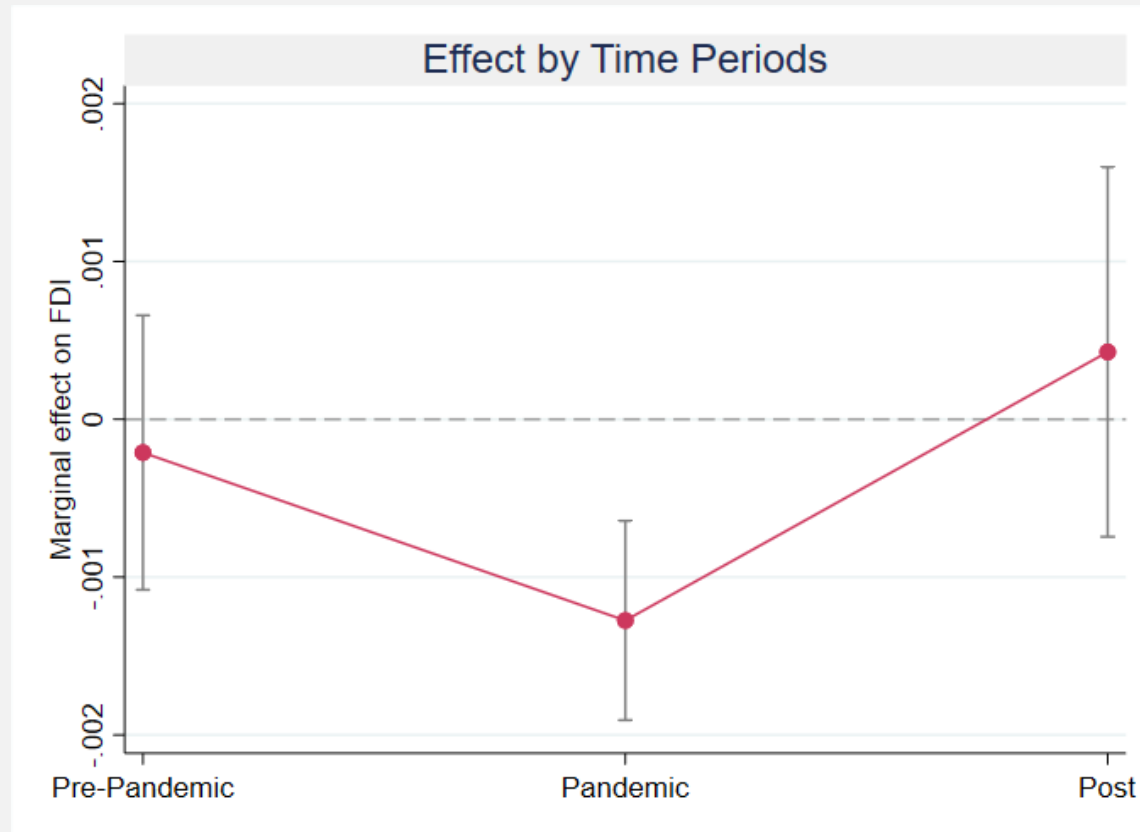


Source: Banh Thi Hang and Yan Bowen (2023)

“De-risking Strategy: A Blessing or a Curse for ASEAN-6’s Export Sophistication and FDI?”

# Applications (cont.)

- Policy Evaluation: Examine impact of protectionism measures on inward ASEAN FDI



Pre-pandemic: Jan 2019 – Dec 2019

Pandemic: Jan 2020- Dec 2021

Post-pandemic: Jan 2022-Dec 2022

- Marginal effect measure: Average percentage change in ASEAN inward FDI corresponding to one new protectionism measure
- Protectionism impact on FDI **during the pandemic – negative and significant**
- Protectionism impact on FDI **dissipates in the post-pandemic period**

# CEPII - BACI Bilateral Trade Database

- Developed by the CEPII, the French research center in international economics
- Detailed information on bilateral trade flows for a wide range of countries and products
- Reconstructs the original data from the UN Comtrade:
  - Harmonizing the data reported by different countries
  - Correcting for discrepancies in reported trade values and volumes

# Features, Coverage, Applications, and Accessing

- Bilateral product-level trade data
  - Exporter, Importer
  - Year
  - Industry: HS-6 digit
  - Trade value, Trade quantity
- Coverage
  - Year: 1995-2022, updated every year
  - Countries: 200 countries
  - Products: about 5000 HS-6 digit products
- Accessing: Freely available from the CEPII website
- Some applications:
  - Analyze global trade dynamics, study trade relationships between countries
  - Evaluate trade policies
  - Understand the impact of globalization on trade

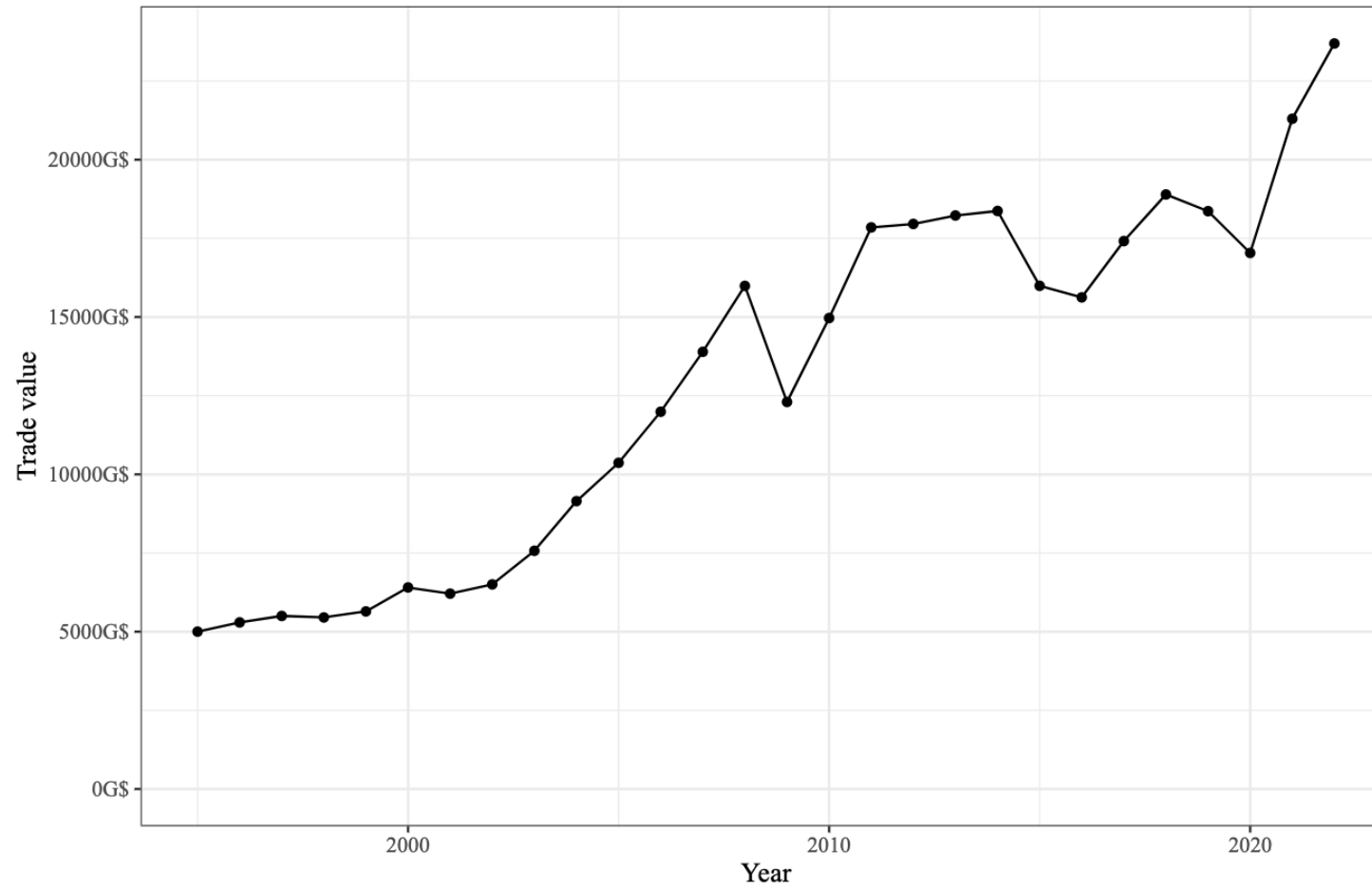


# Key Features

|           | year | exporter | importer | hs6    | value   | quantity | exportername | exporteriso | importername | importeriso |
|-----------|------|----------|----------|--------|---------|----------|--------------|-------------|--------------|-------------|
| 228833457 | 2021 | 360      | 764      | 741539 | .076    | .003     | Indonesia    | IDN         | Thailand     | THA         |
| 228833458 | 2021 | 360      | 764      | 741810 | 1.538   | .25      | Indonesia    | IDN         | Thailand     | THA         |
| 228833459 | 2021 | 360      | 764      | 741820 | 40.915  | 1.285    | Indonesia    | IDN         | Thailand     | THA         |
| 228833460 | 2021 | 360      | 764      | 741910 | .102    | .038     | Indonesia    | IDN         | Thailand     | THA         |
| 228833461 | 2021 | 360      | 764      | 741991 | .1      | .004     | Indonesia    | IDN         | Thailand     | THA         |
| 228833462 | 2021 | 360      | 764      | 741999 | 240.041 | 1.17     | Indonesia    | IDN         | Thailand     | THA         |
| 228833463 | 2021 | 360      | 764      | 750512 | .252    | .001     | Indonesia    | IDN         | Thailand     | THA         |
| 228833464 | 2021 | 360      | 764      | 750610 | .4      | .05      | Indonesia    | IDN         | Thailand     | THA         |
| 228833465 | 2021 | 360      | 764      | 750620 | .048    | .004     | Indonesia    | IDN         | Thailand     | THA         |
| 228833466 | 2021 | 360      | 764      | 750800 | 696.452 | 6.433    | Indonesia    | IDN         | Thailand     | THA         |

# Coverage

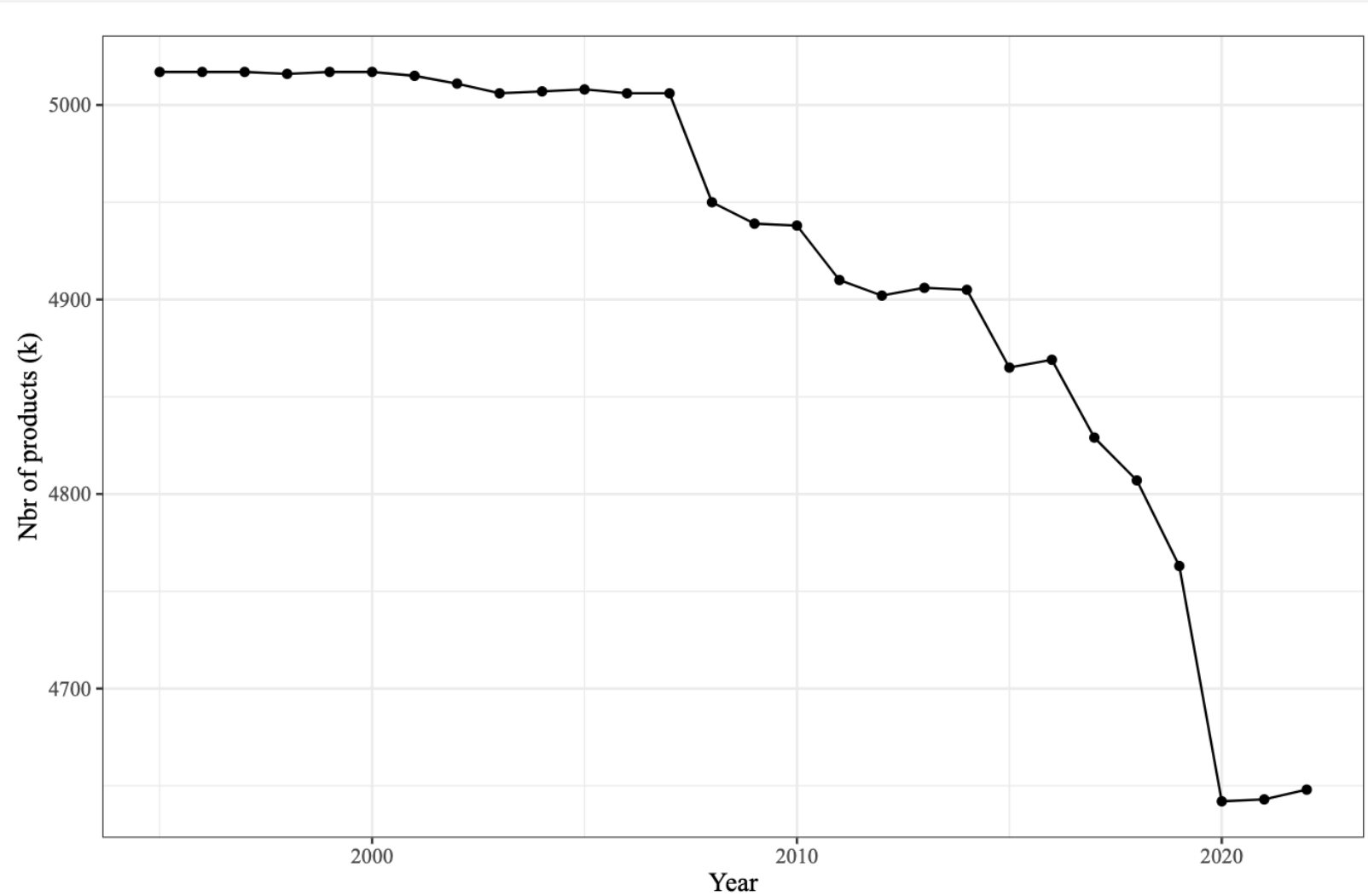
Aggregate value of trade flows recorded in BACI (in US\$)



Source: CEPII

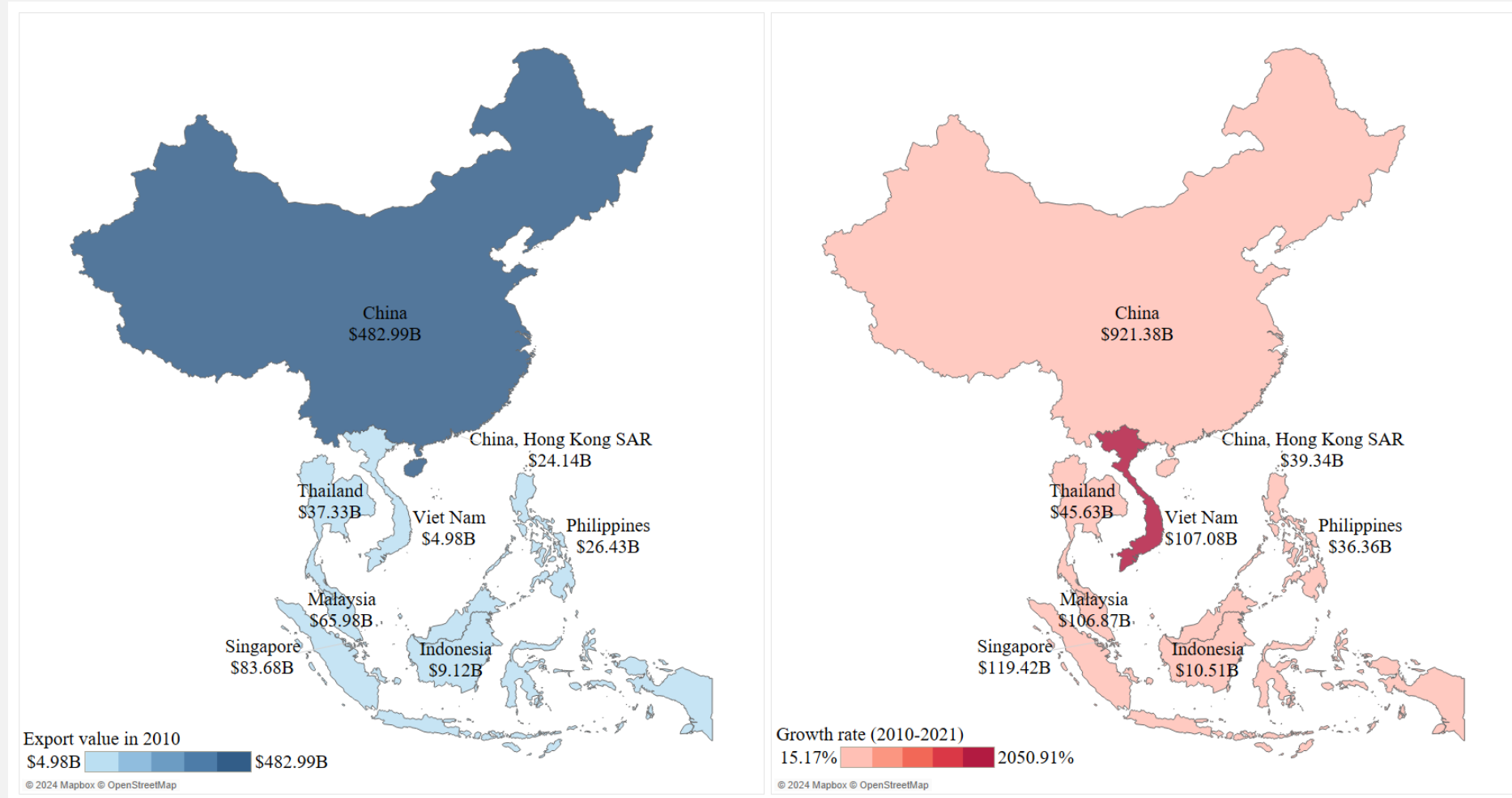
# Coverage

Number of HS-6 digit products (1992 revision)



# Applications

## High-tech exports in China and ASEAN-6 countries



Source: Banh Thi Hang and Yan Bowen (2023)

“De-risking Strategy: A Blessing or a Curse for ASEAN-6’s Export Sophistication and FDI?”

# More Applications

- Using Network Analysis to understand RCEP member positions in intra-RCEP trade and FDI
- FDI Inflows into China and Vietnam and Impact of the US-China Trade War