



Global Trade Analysis Project

# Future Trade Policy Scenarios Group 3





Global Trade Analysis Project

# Joining Uncle-Sam in a very different kind of war

Disclaimer: The views represented in this presentation do not represent official positions or policy of any presenter's respective university, agency, or government.



# SYNTHESIS

Let us imagine the (*scary*) world where  
the USA convinces its major allies  
to join the trade war with China...!

## *The battle*

**The provocation** → The allies increase tariffs by 10ppt on all Chinese goods

**The response** → China matches the tariffs on each ally

## *Fortifying their positions*

**The sweetener** → Allies reduce NTMs within their bloc (based on empirical FTA estimates) → Scenario 1 & 2

**The defense** → China puts in place internal measures to keep investment high → Scenario 2

## **Four considerations**

- What happens for North America
- What happens for east Asia
- What happens for the rest of OECD
- Who are the big winners & losers in the developing world

# SYNTHESIS

Who joins the war → USA | Mex & Can | EU & UK | Aus & NZ | Japan

## Our implementation

*Baseline:* exogenous = SSP2 assumptions for population, GDP growth & labour supply  
closure = CPTPP closure

*Policy shock (S1):* exogenous = SSP2 population  
closure = CP-TPP closure, with GDP endogenous

*Policy shock (S2):* exogenous = *as per Scenario 1*  
closure = exogenise total Chinese investment (*qinv*)  
by freeing up Chinese rate of return (*cgdslack*)

## Timeframe

2011 → no difference to 2018

→ trade measures introduced gradually from 2019 over 5yr

→ simulation to 2026

# ***SYNTHESIS***

## **Commodities affected by the tariffs** *(allies vs. China)*

- Oilseed crops | Wheat | other agriculture, Forestry & Fishing
- Energy resources | other resource extraction
- Energy products | Iron & Steel | Other metals | Non-metal minerals  
| Chemicals | other heavy manuf
- Textiles | Vehicles | Electronics | Machinery | Other light manufacturing

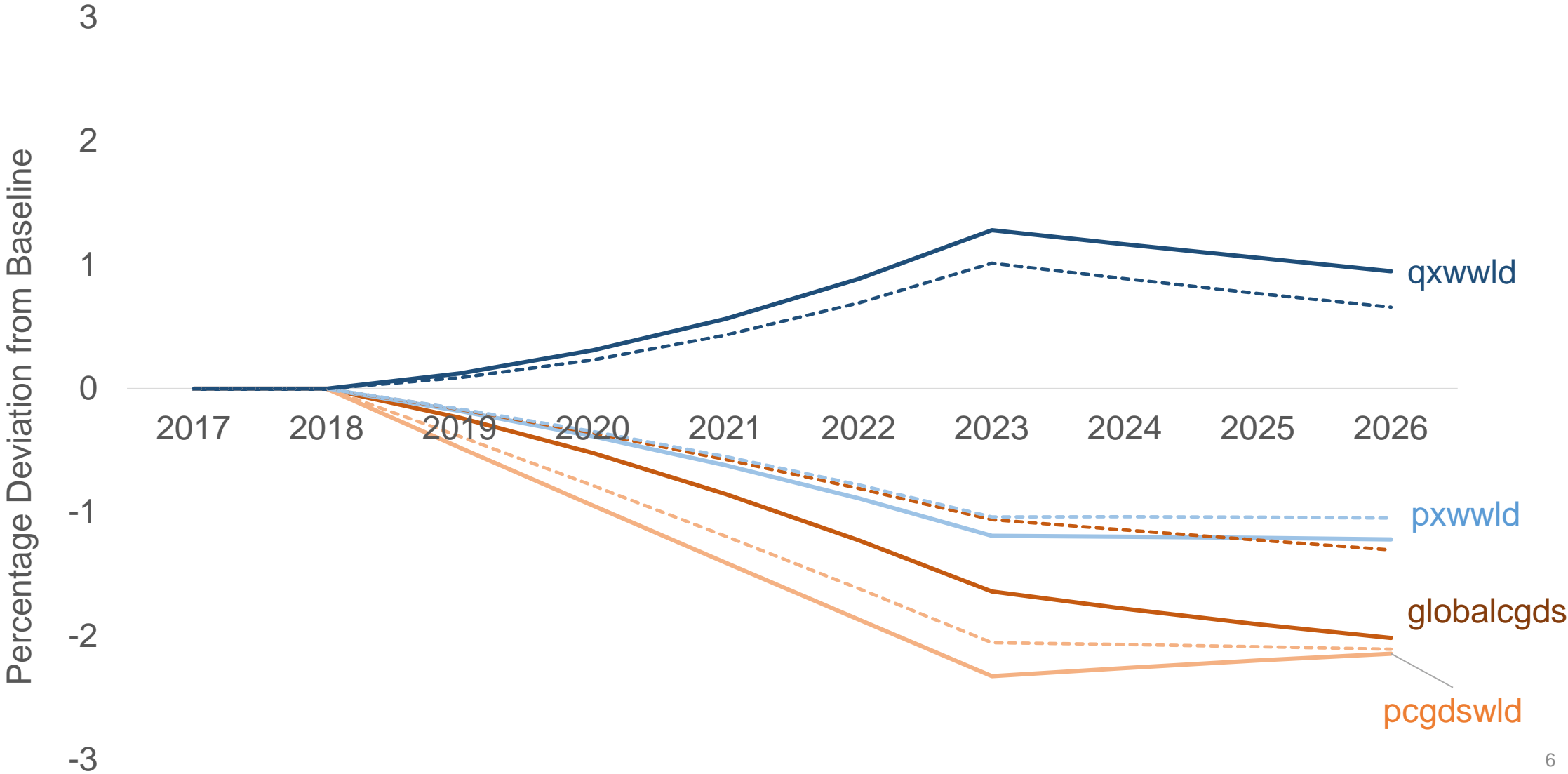
## **Services affected by the NTM reductions** *(within the block of allies)*

- Power & Utilities | Transport | Communications | Financial services | Other services

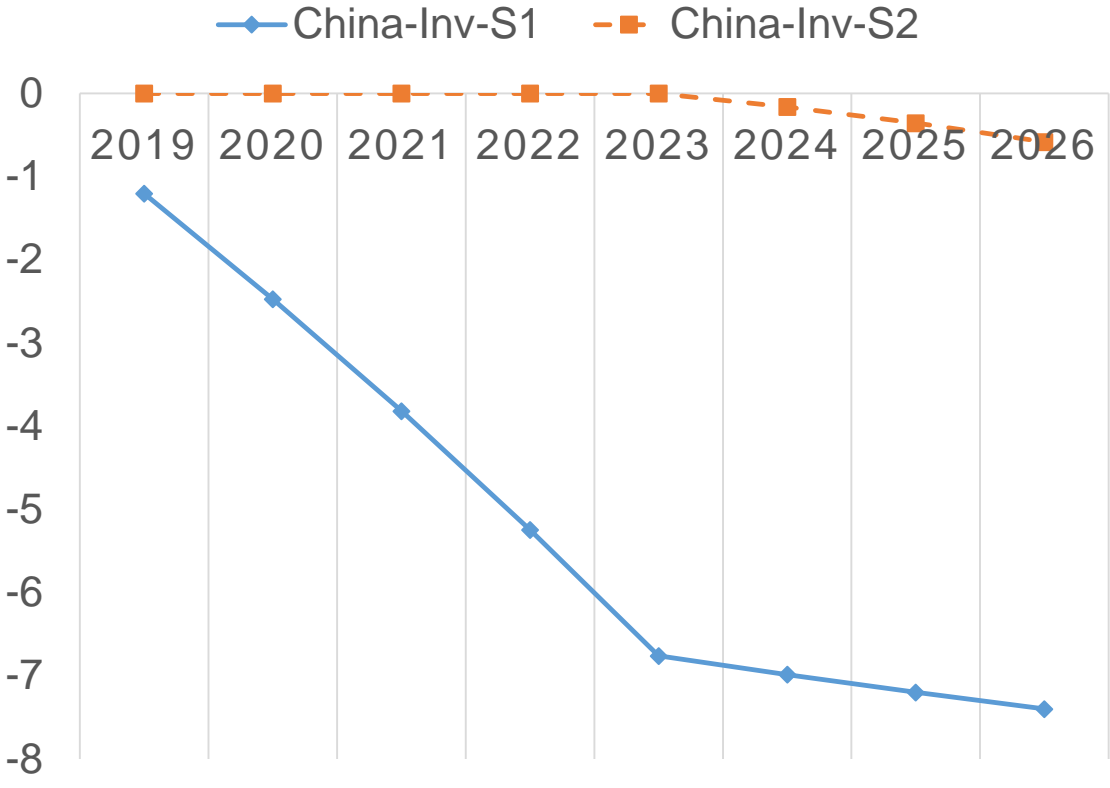
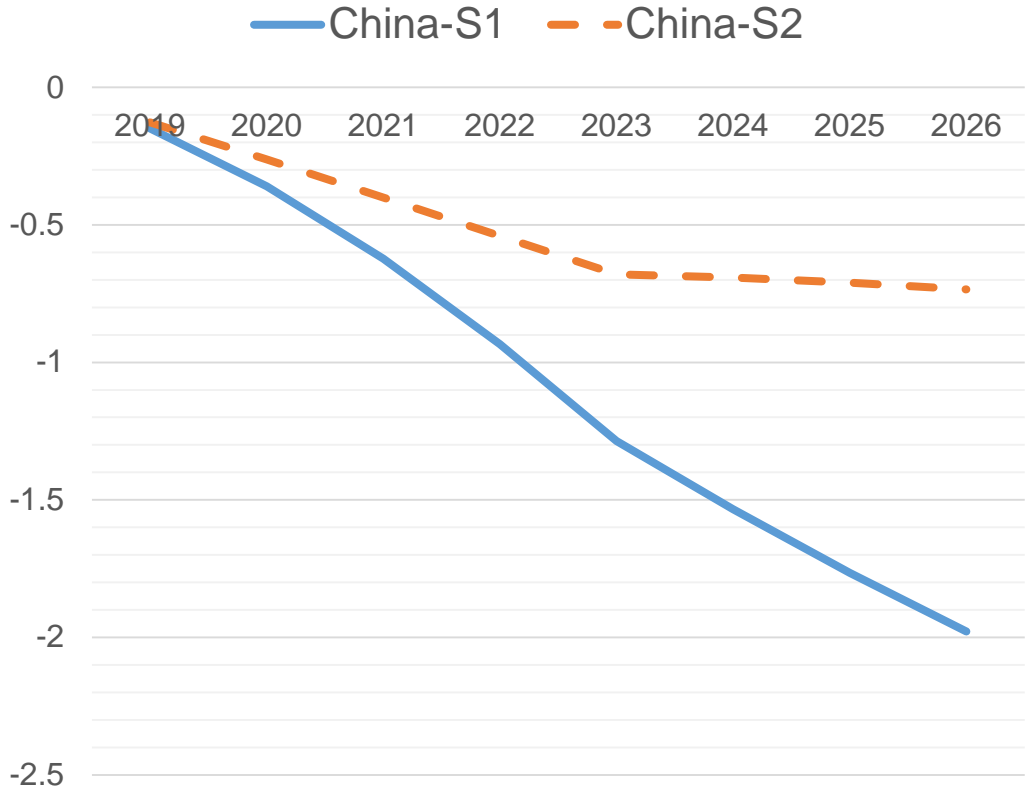
## **Regional aggregation**

- *no change to WTO scenarios*

# Global Macroeconomic Results



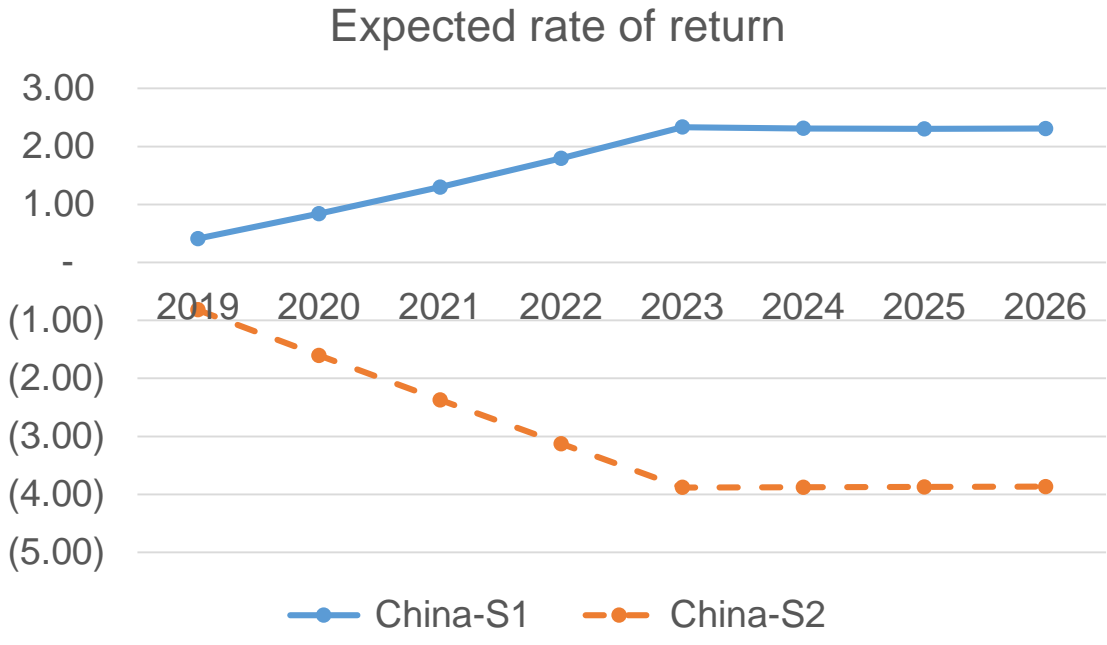
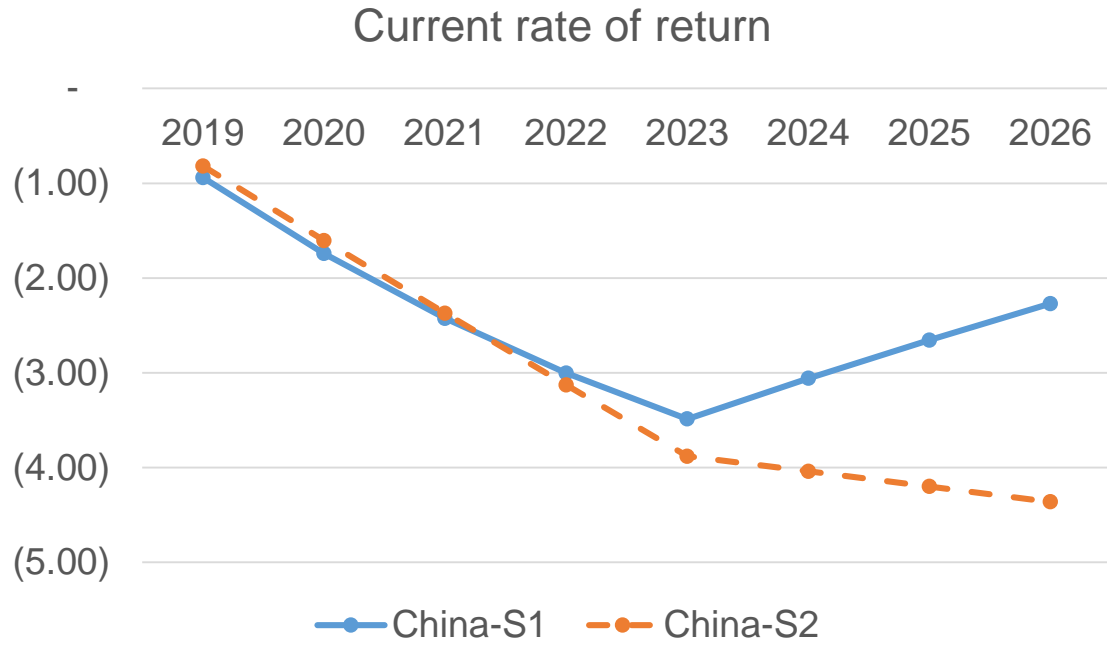
# Impact on China: GDP & Investment



- China's reaction offset the negative effects of GDP on 0.02~1.24 percentage point from 2019-2026.

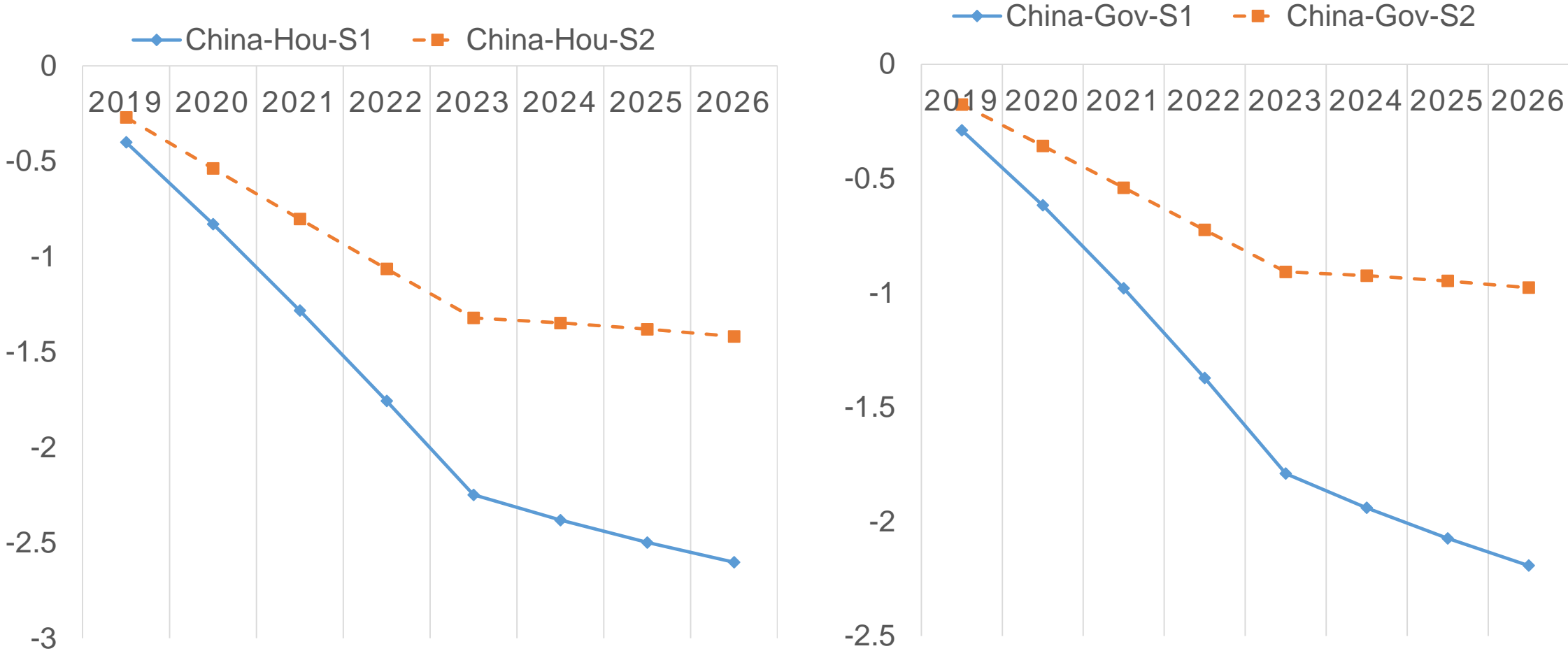
- Investment 1.2~6.82 ppt.

# Impact on China: rate of return



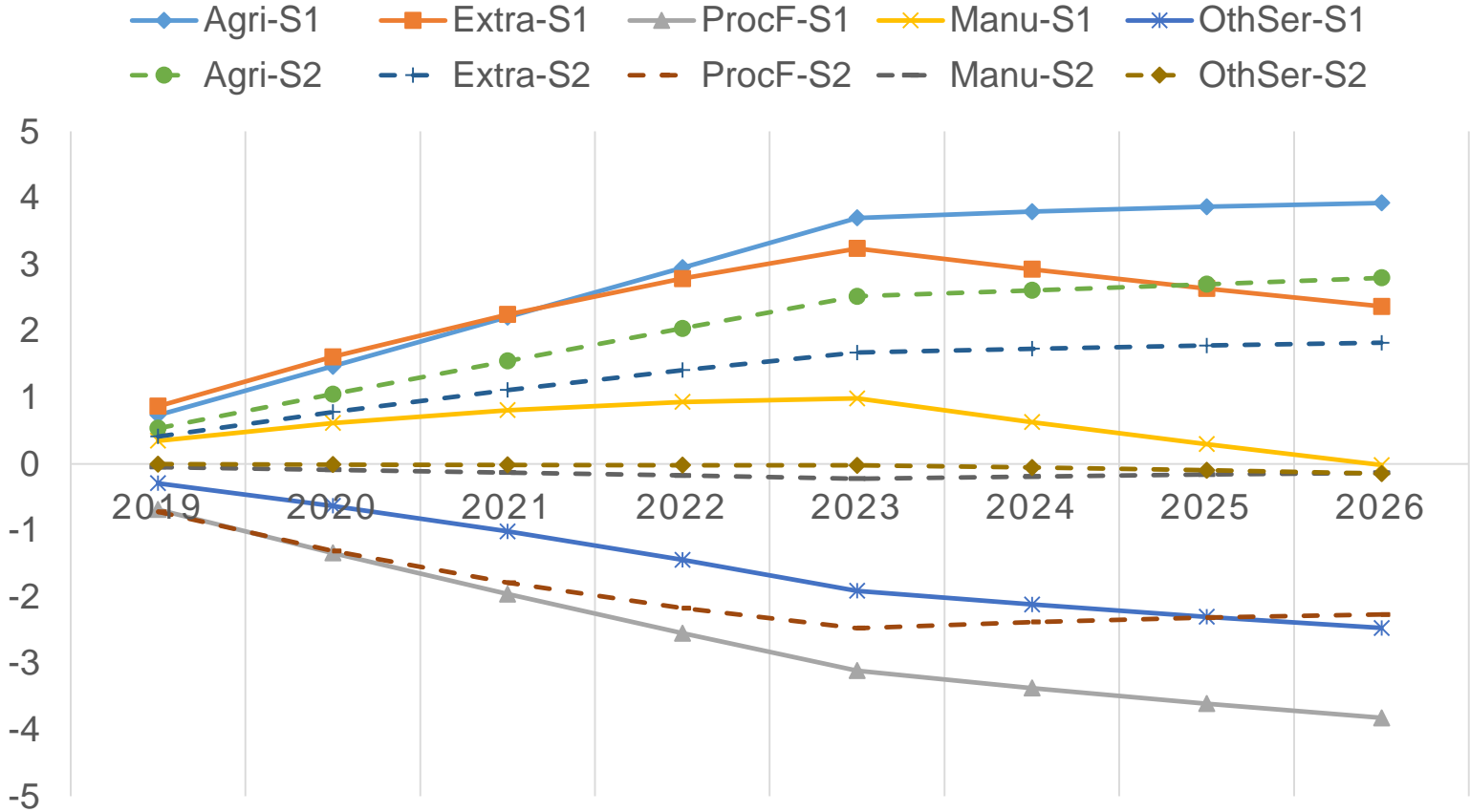


# Impact on China: GDP expenditures



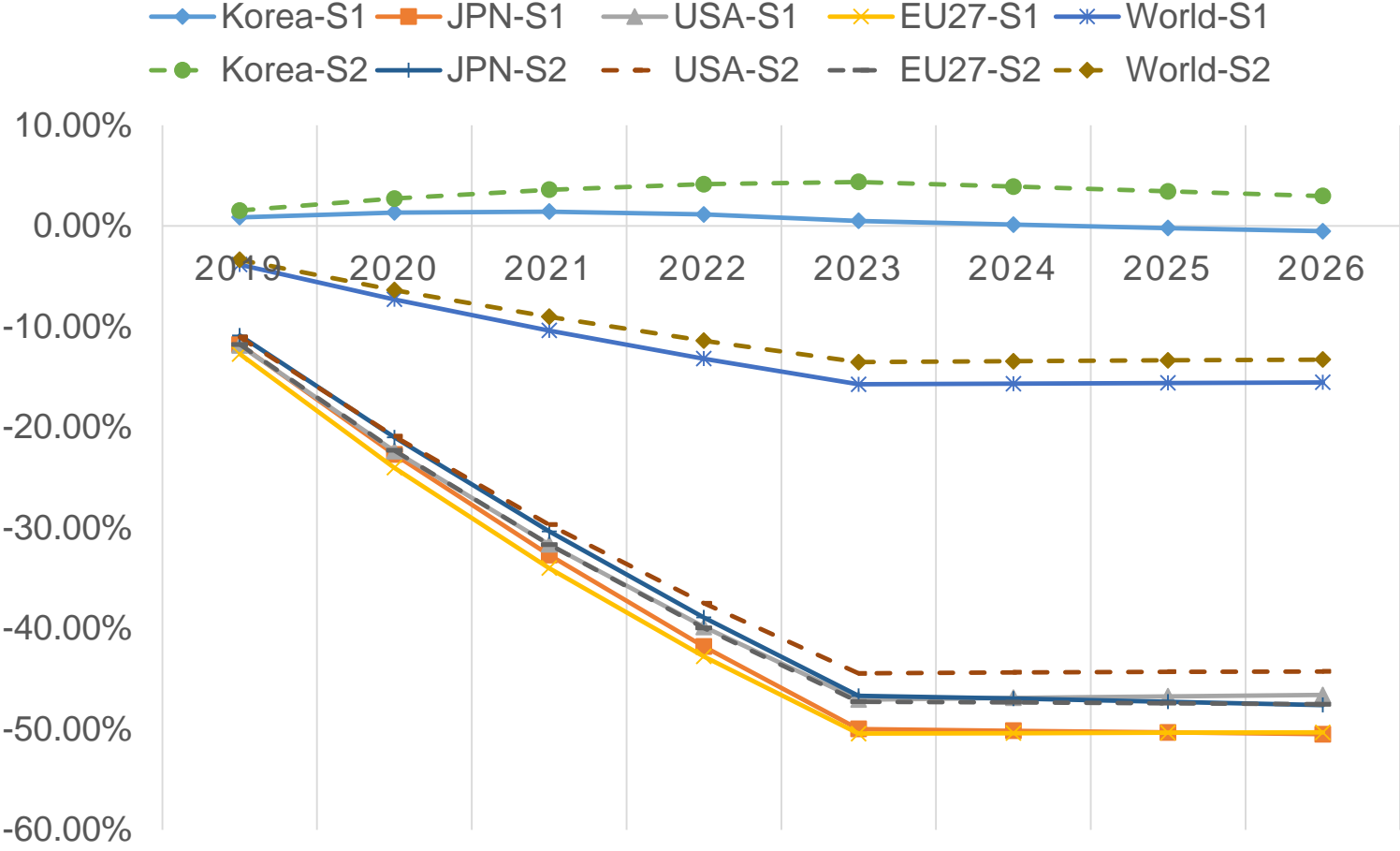
- China's reaction offset the negative effects:
  - Priv. Cons. 0.13~1.18 ppt.
  - Gov. Cons. 0.11~1.22 ppt.

# Sectoral output changes of China: 2019-2026



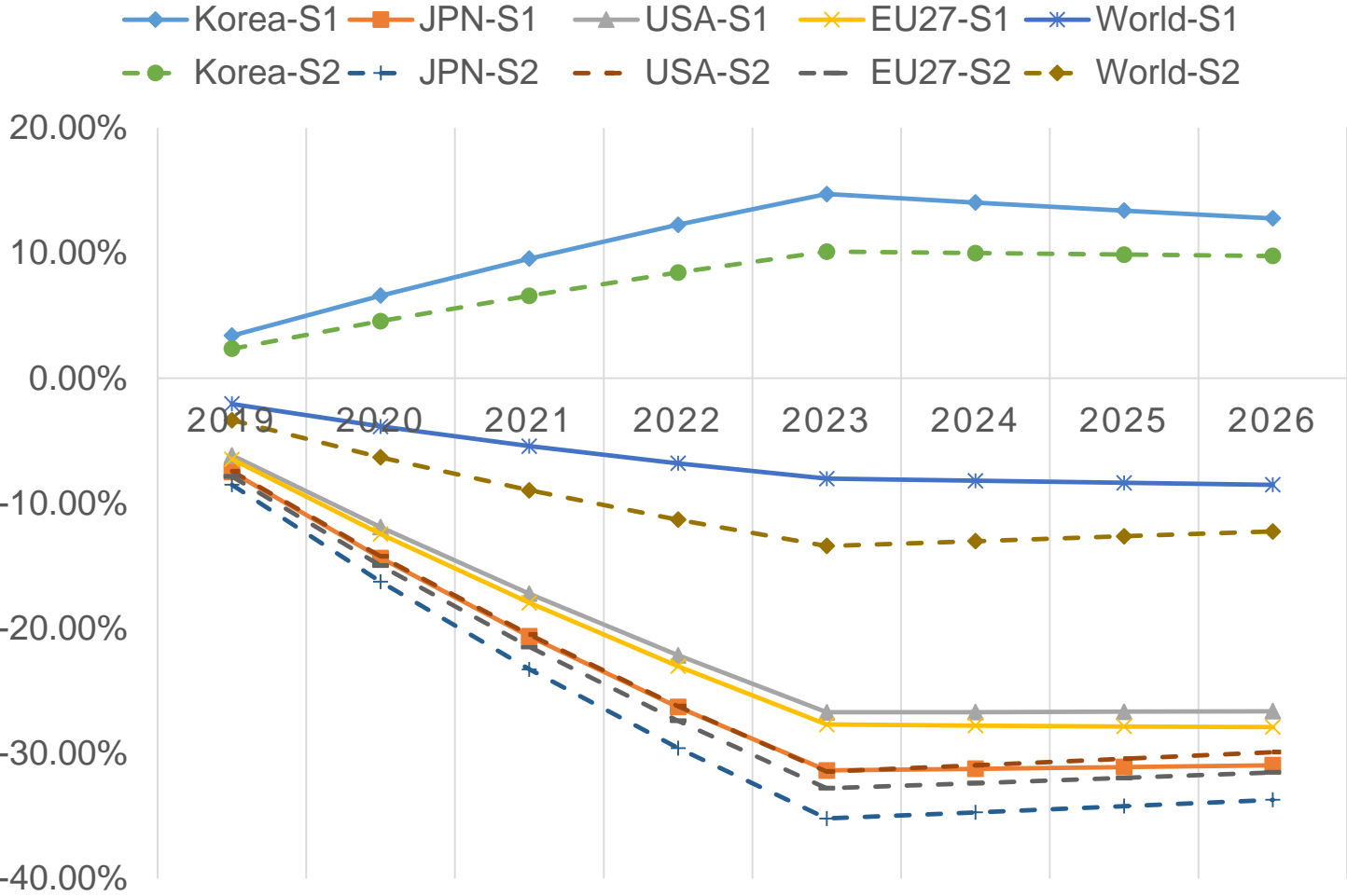
- China’s reaction offset the sectoral output negative effects:
  - Processed food activity
  - Service activity
  - more on Service activity by 0.62~1.48 ppt
- Aggravate the negative effects:
  - Agriculture activity.
  - Extraction activity.
  - Manufacture activity
  - Most on Extraction by 0.83-1.00 ppt.

# China import from others: 2019-2026



- China's reaction offset the negative effects on import:
  - Import increase especially from neutral regions, i.e. which don't isolation China
  - Korea: 0.67~3.5 ppt
  - US: 0.82~2.34 ppt
  - World: 0.47~2.26 ppt

# China export to others: 2019-2026



- China's reaction aggravate the negative effects on export, export decrease:
  - World: 1.29~5.38~3.73 ppt
  - Korea: 1.05~4.6~3.01 ppt
  - US: 1.26~4.74~3.27 ppt

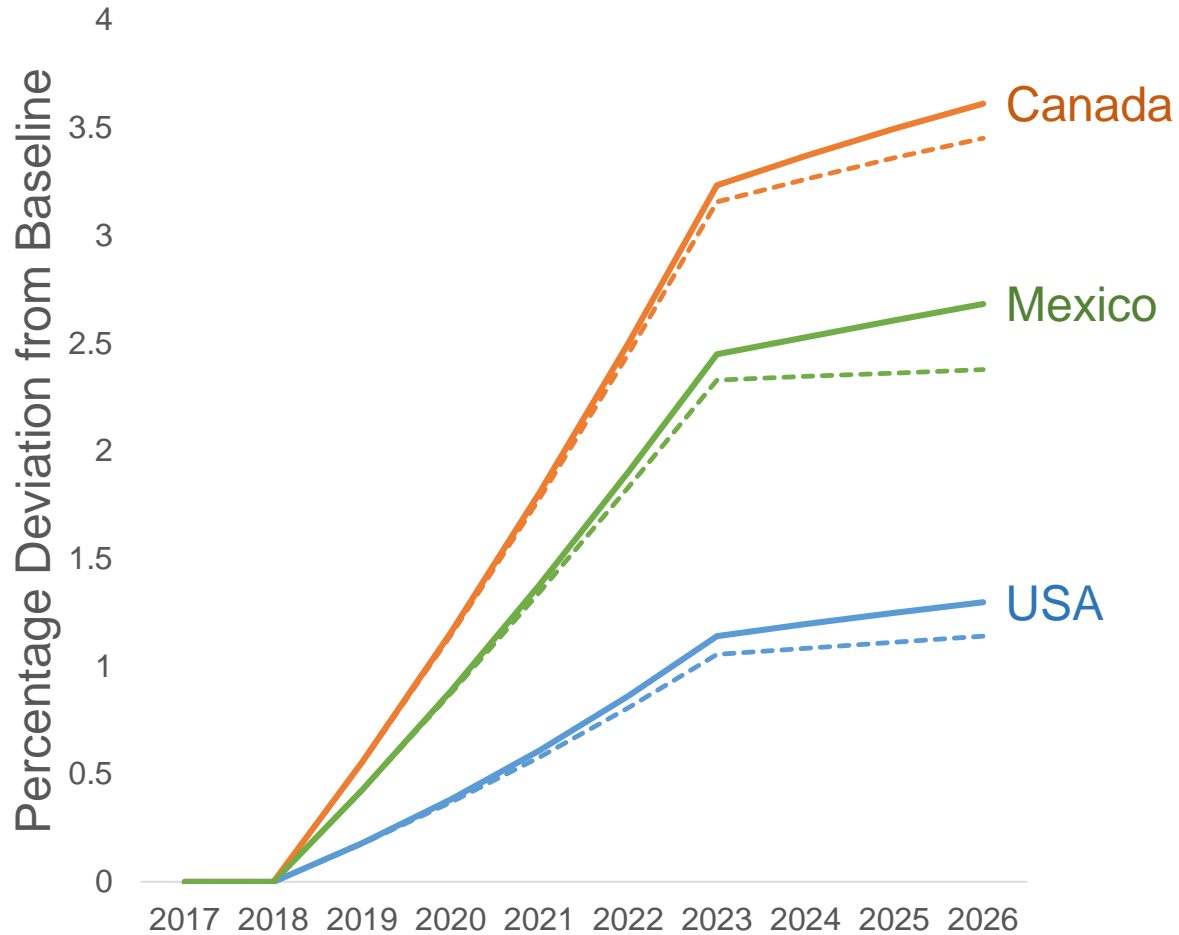
# Impact on China: Trade balance

- **China's reaction**

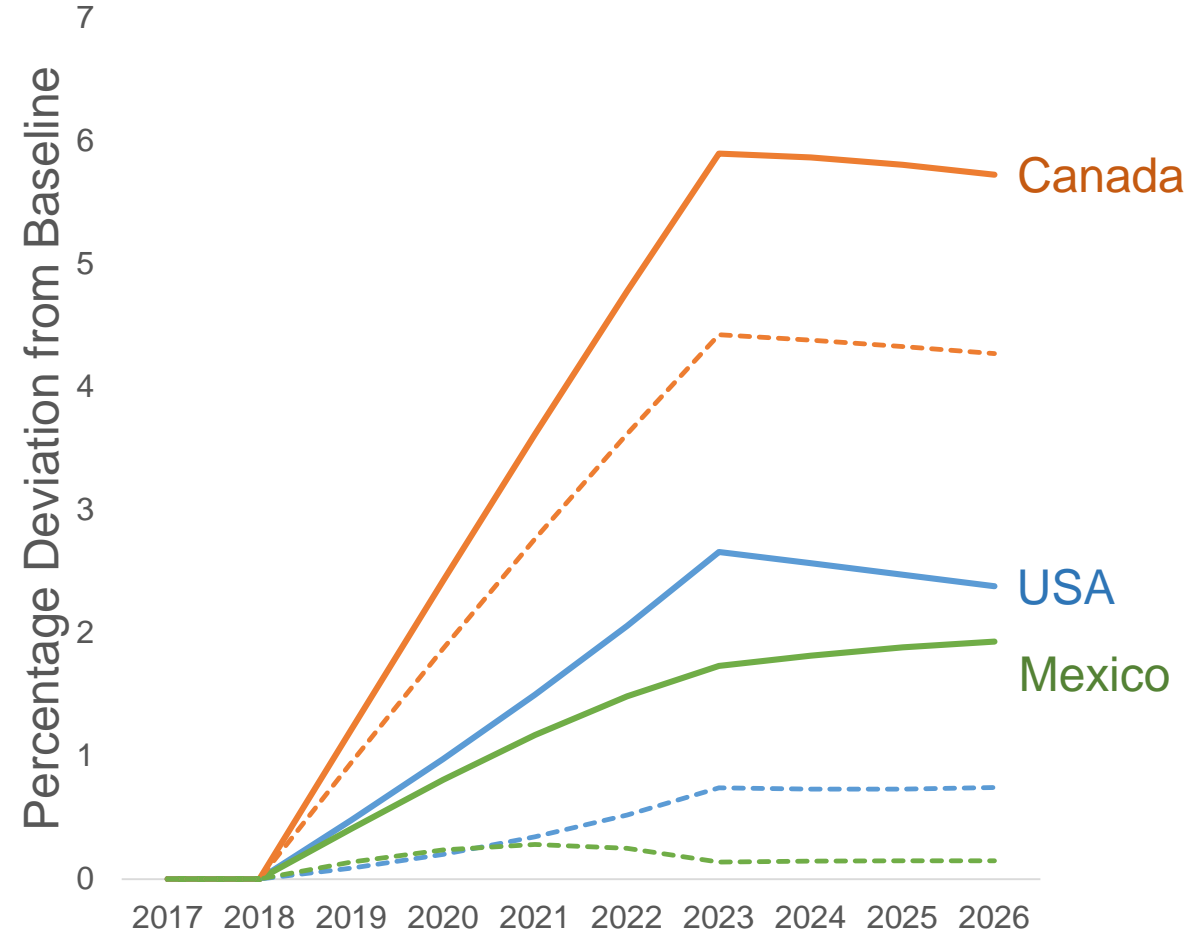
- Decreases China's total trade surplus: \$554.18bn~\$2671.12bn
- Increases China's trade deficit with Korea: \$30.33bn~\$161.03bn
- Decrease China's trade surplus with Japan : \$46.55bn~\$161.05bn
- Decrease China's trade surplus with US : \$109.45bn~\$397.74bn
- Decrease China's trade surplus with EU : \$107.12bn~\$402.4bn

# Impact on North America: GDP & Investment

## GDP

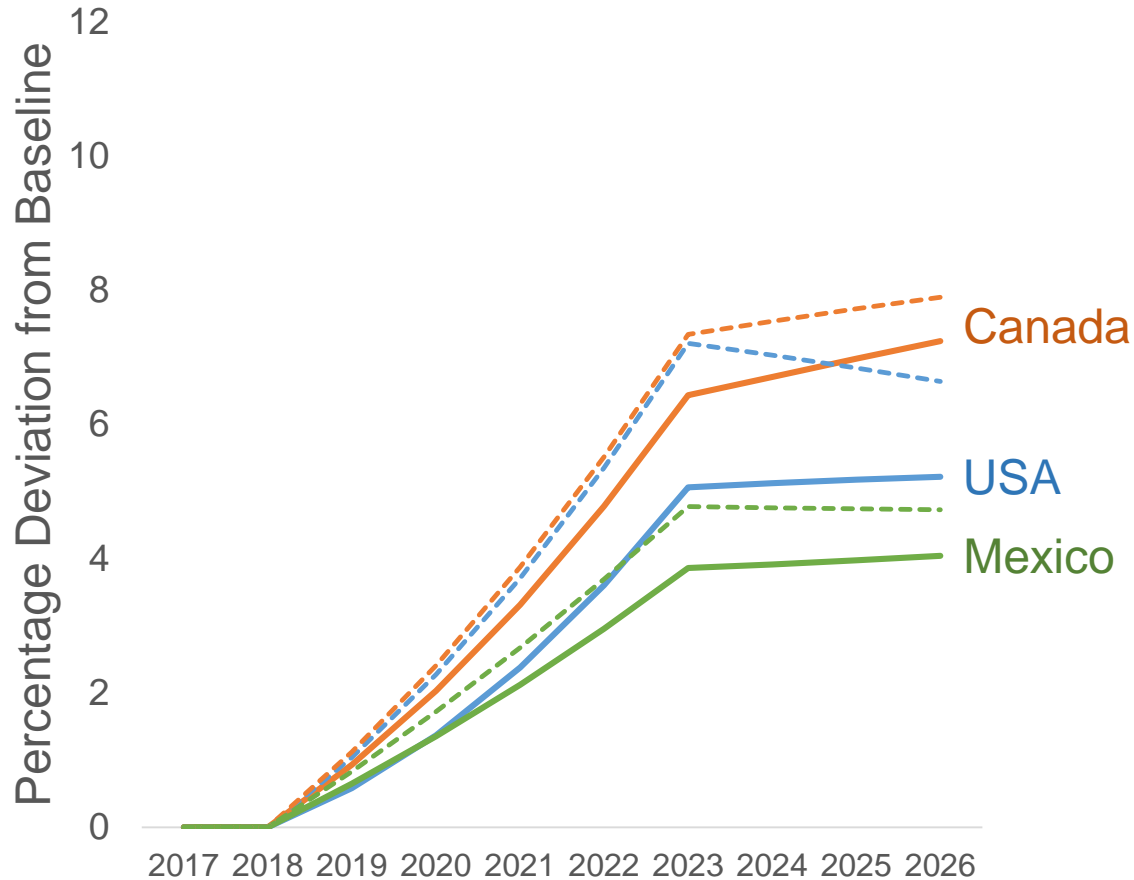


## Investment

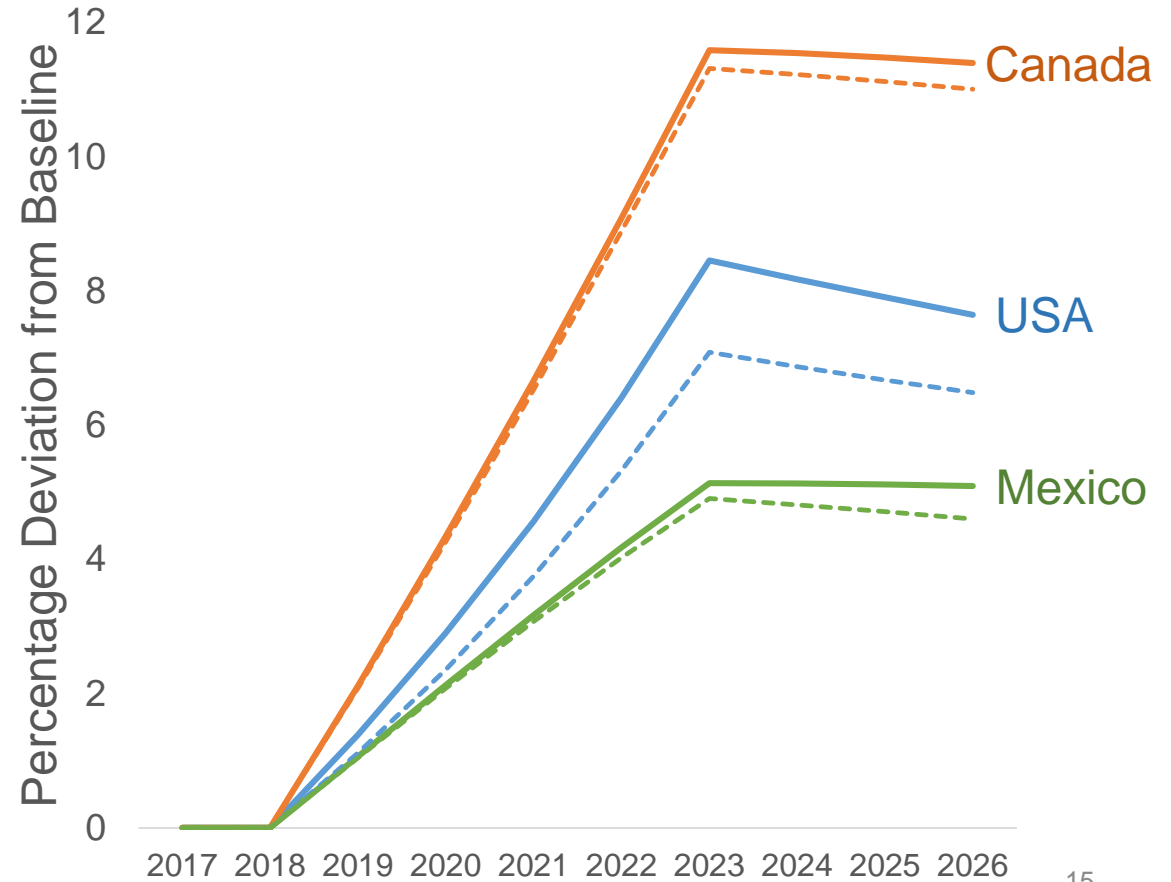


# Impact on North America: Trade

## Exports



## Imports



# ***Impact on North America: Summary***

- **Positive GDP and investment impacts – becomes muted when China reacts (particularly investment)**
  - U.S. manufacturing and agriculture sectors adversely impacted
  - U.S. services sectors expand
- **U.S. exports increase, imports increase even more**
  - Reduced U.S.-China → exports down 38% (36%), imports down 20% (24%)
  - Increased Intra-North America trade
    - US exports up 10% (10-11%) with Canada & Mexico
    - US imports up 14%-16% (14-17%) with Canada & Mexico
- **U.S. Trade Deficit – gets even worse**

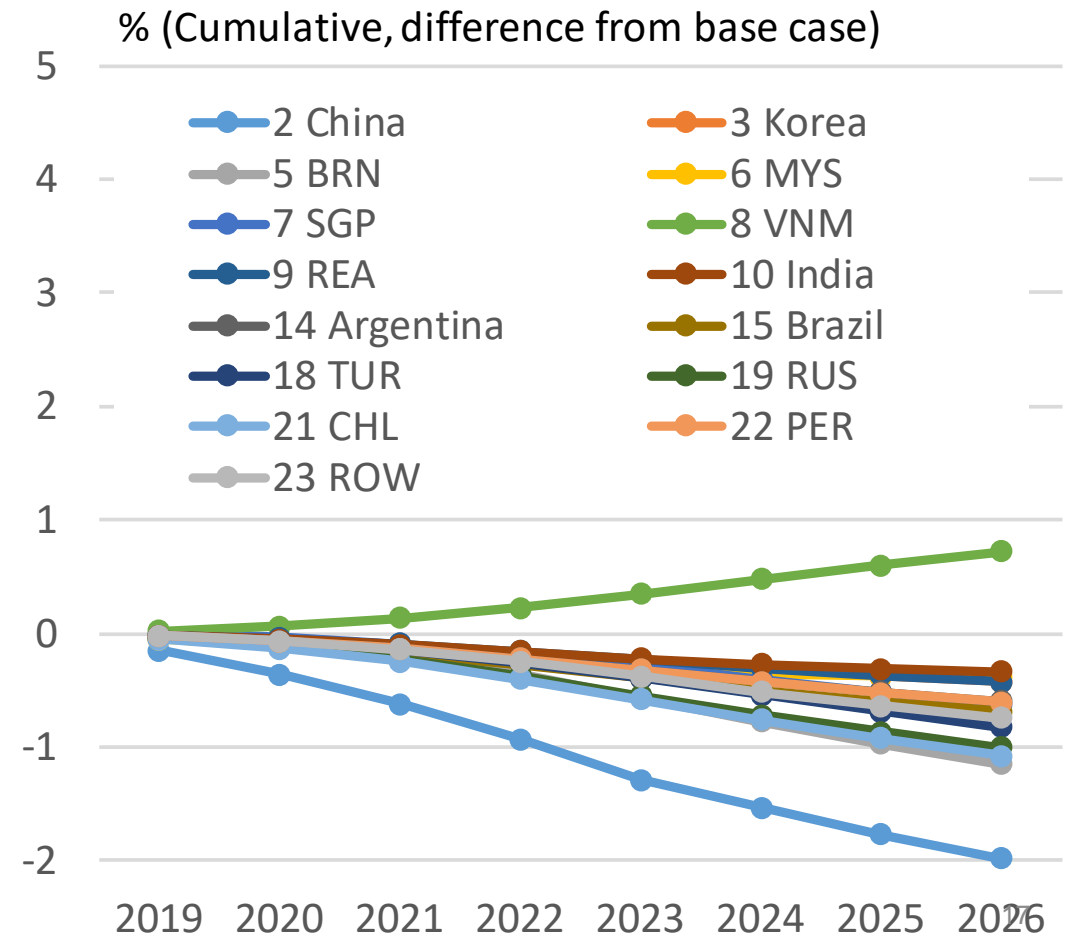
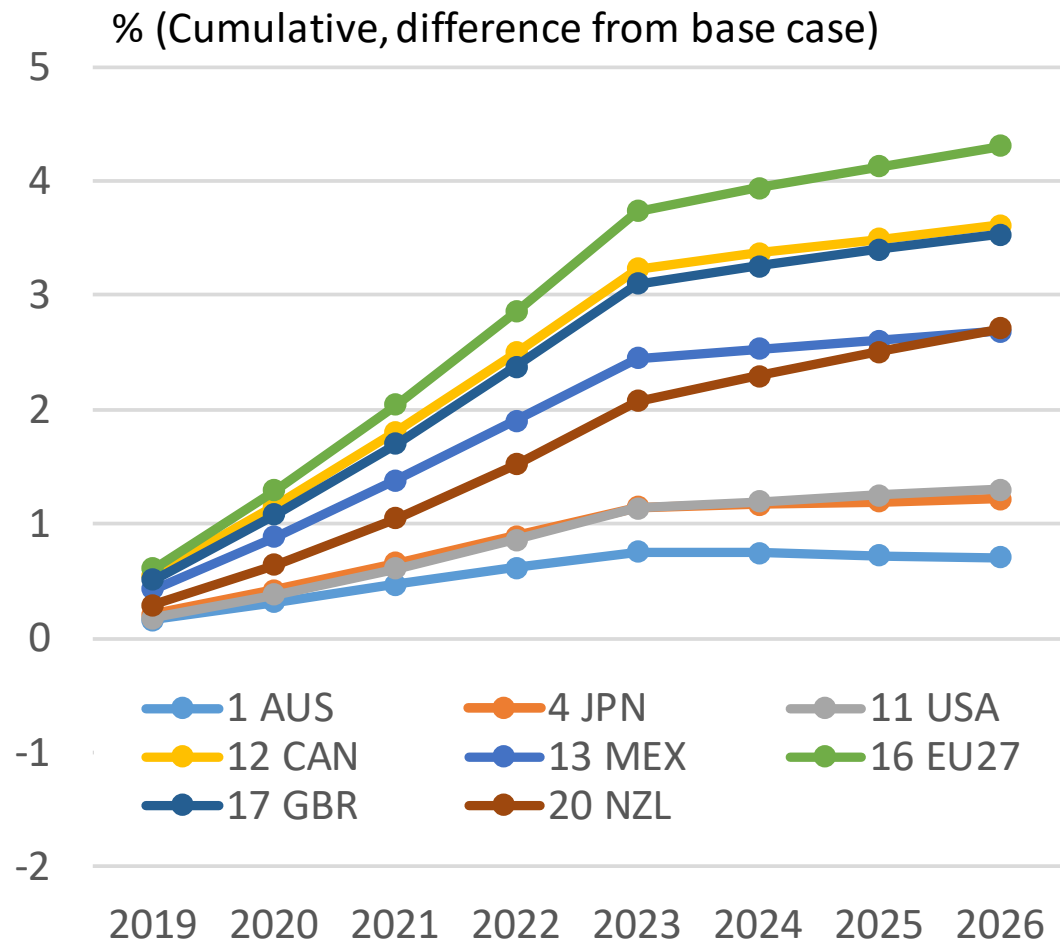


# Japan

## Expected GDP Change (difference from base case)

allied countries

other countries

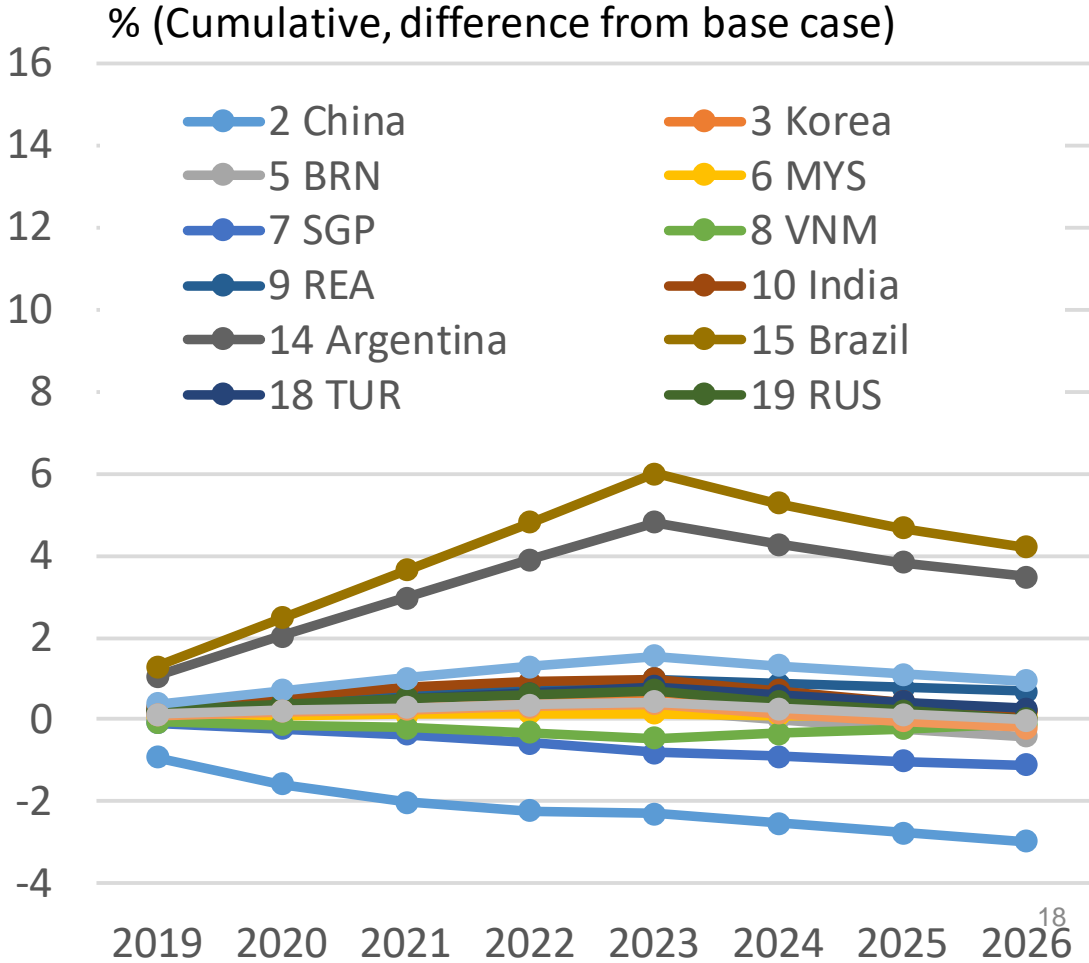
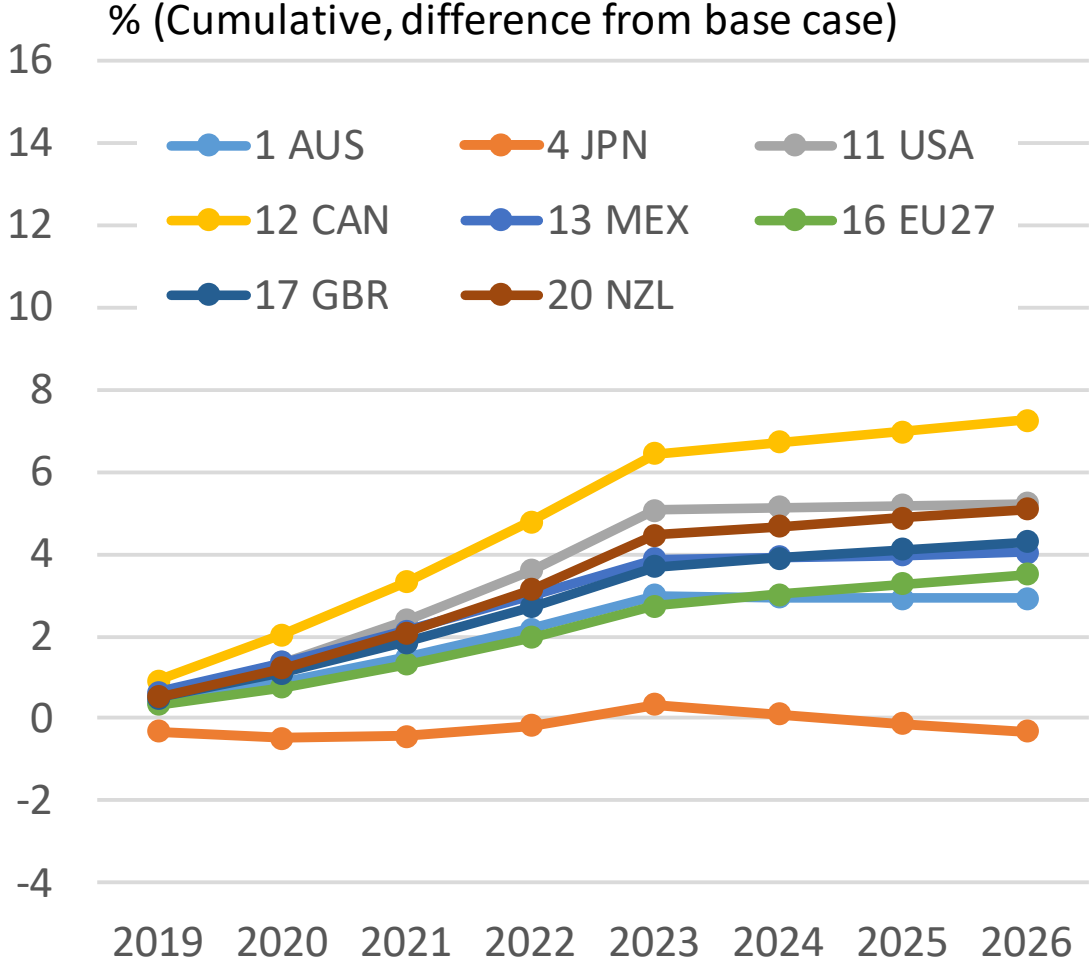


# Expected Export Change

(difference from base case)

allied countries

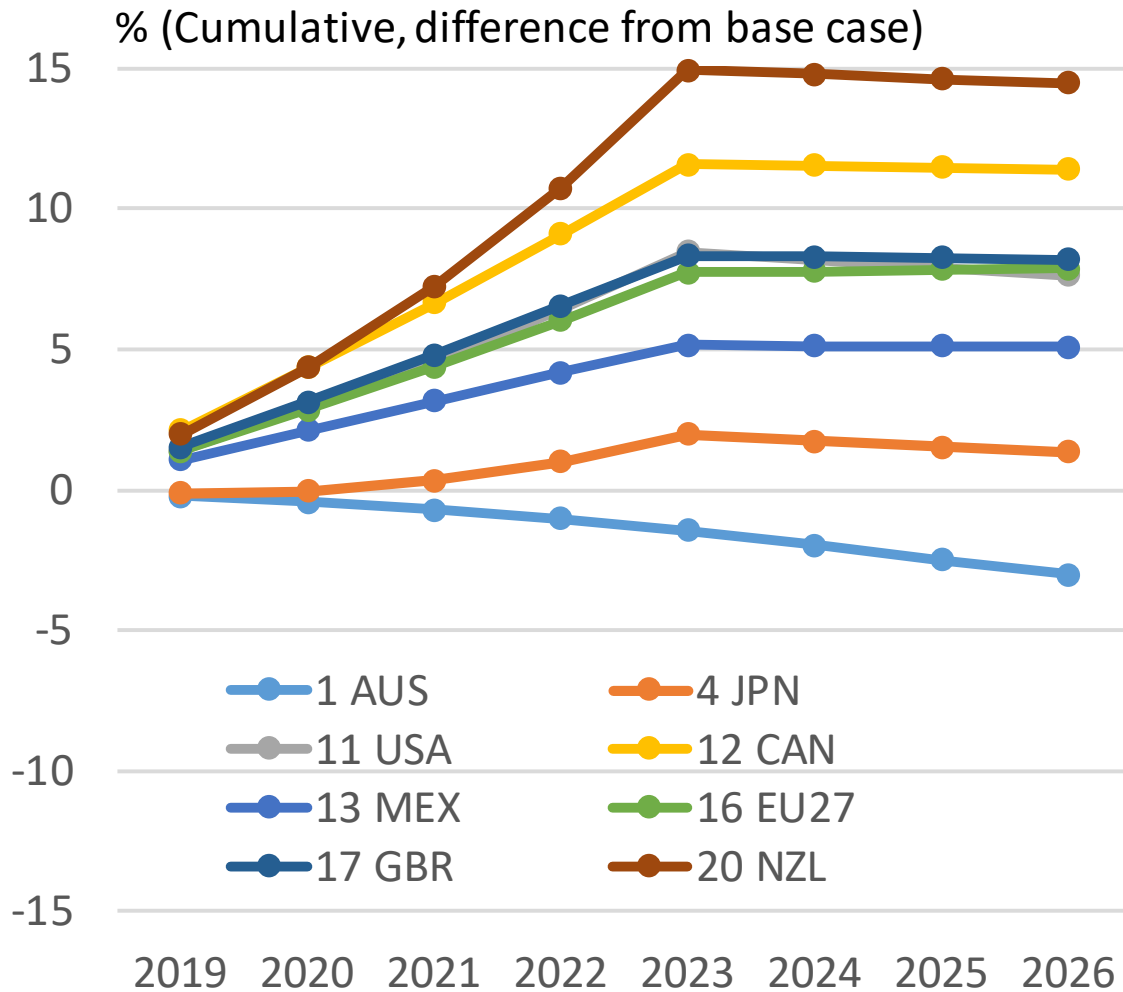
other countries



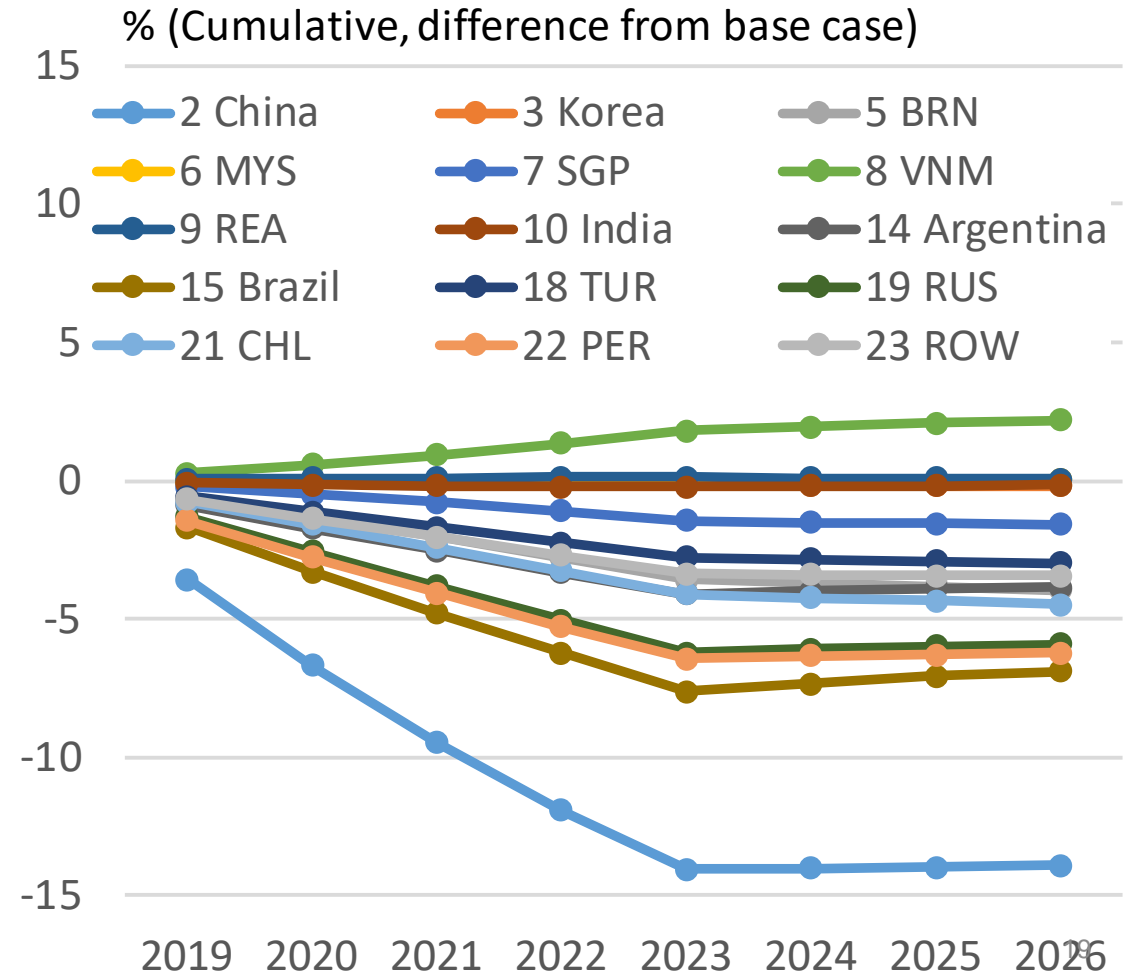
# Expected Import Change

(difference from base case)

allied countries



other countries

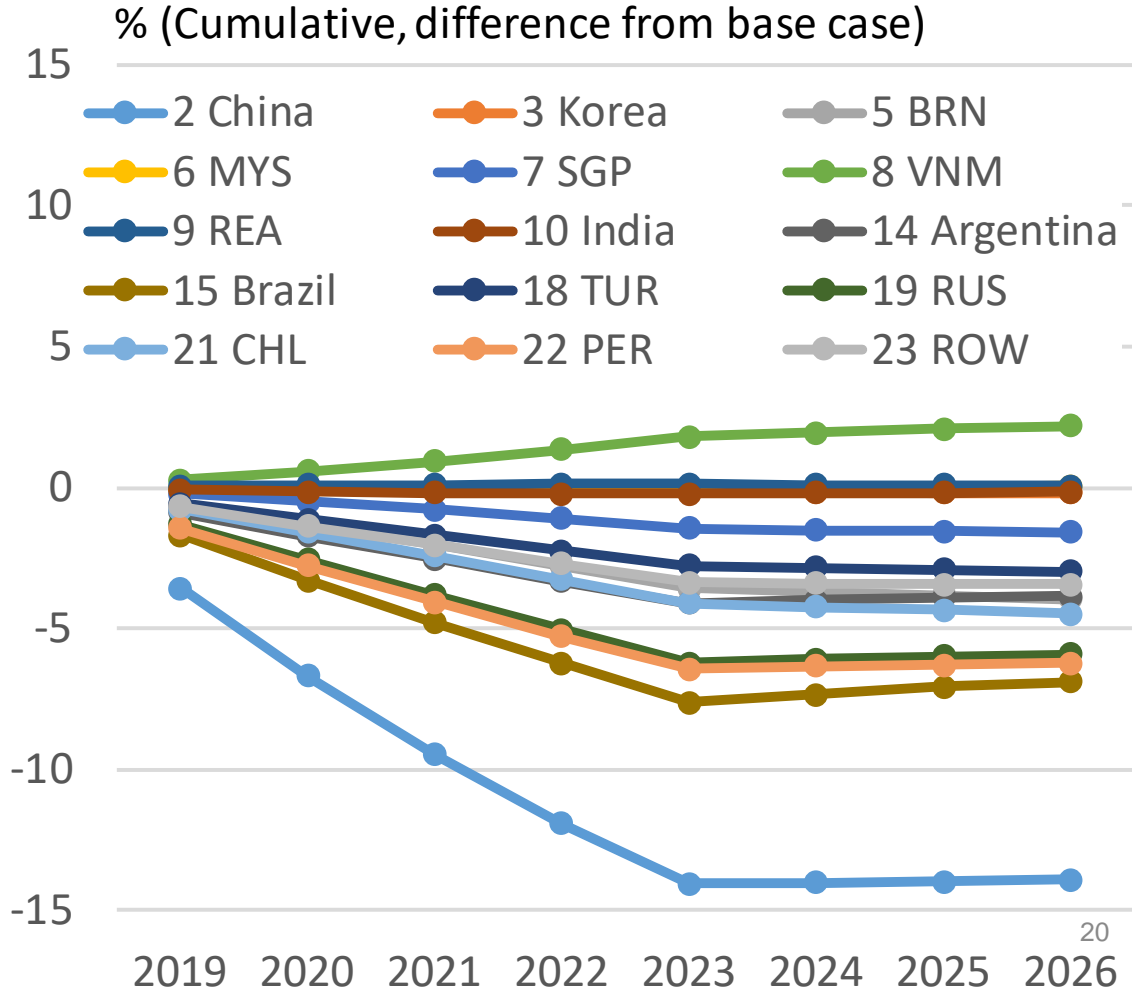
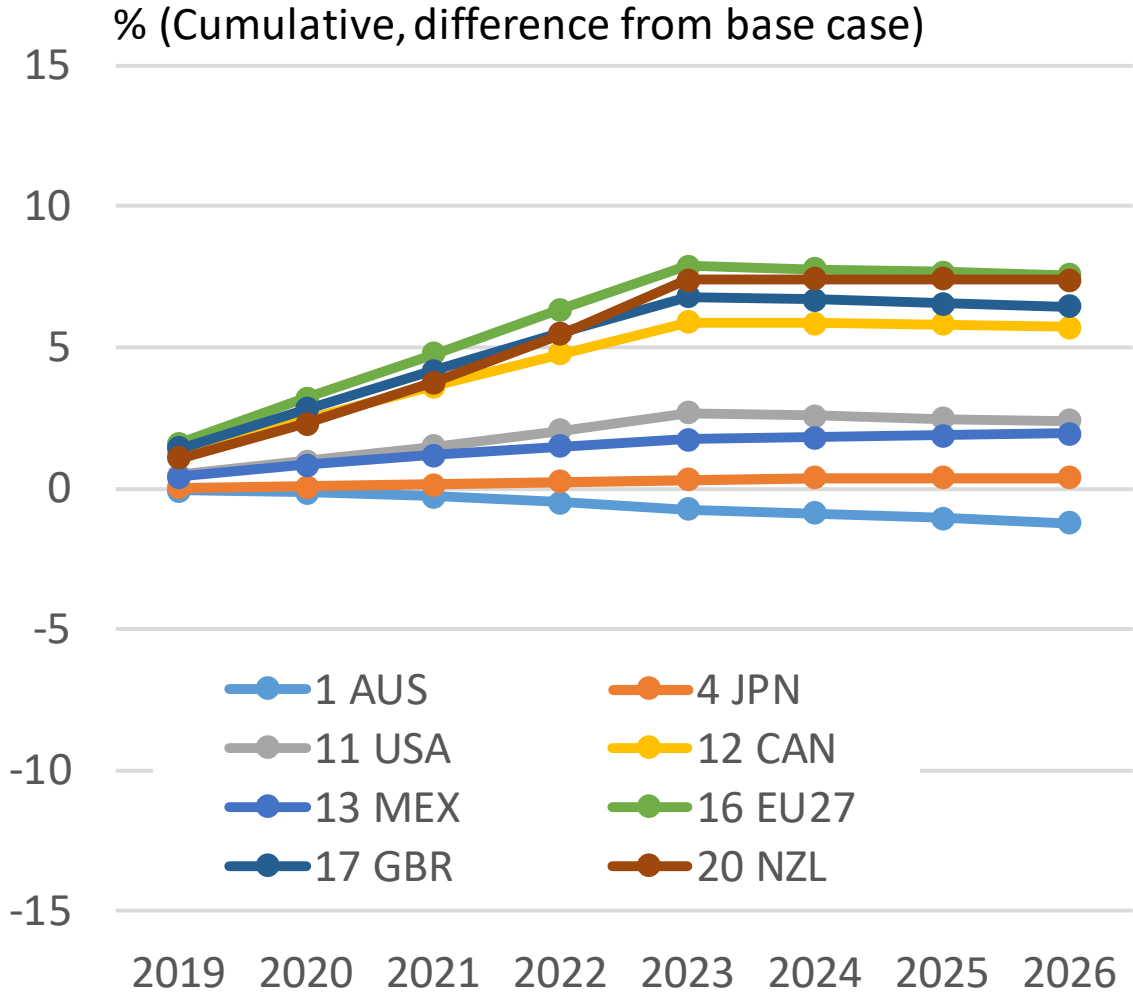


# Expected Investment Change

(difference from base case)

allied countries

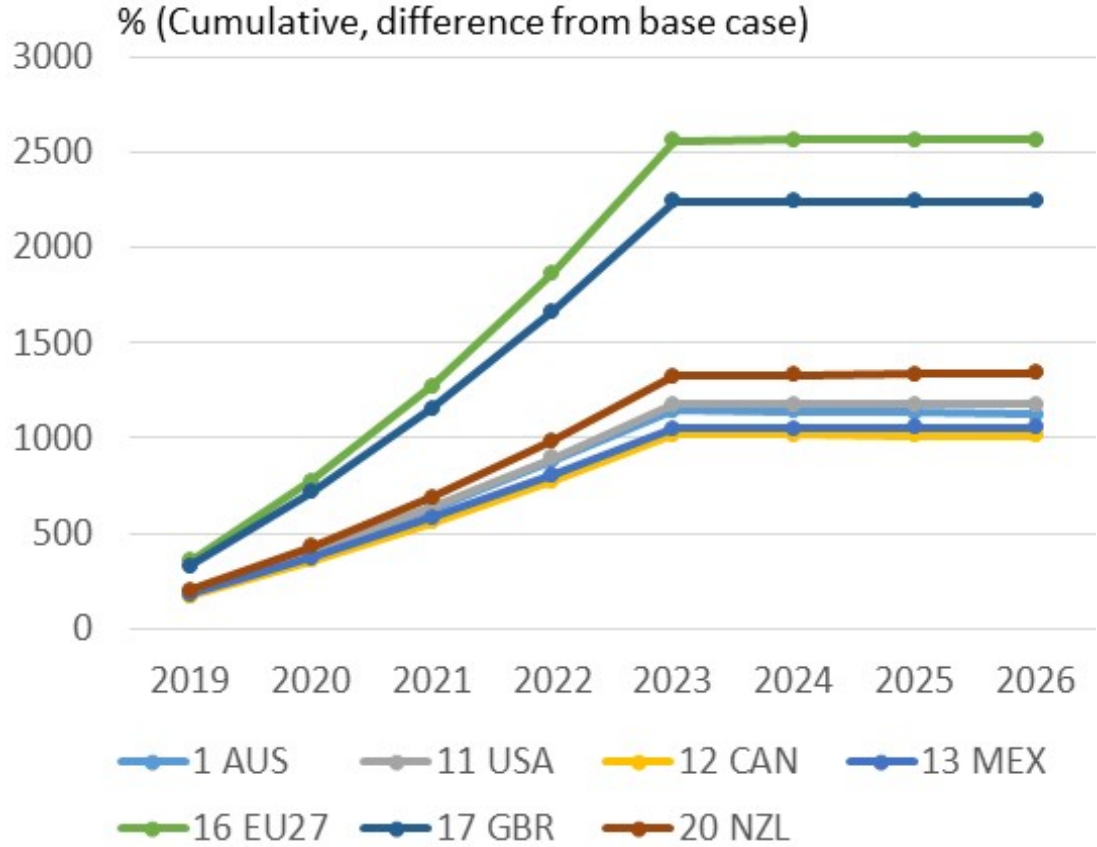
other countries



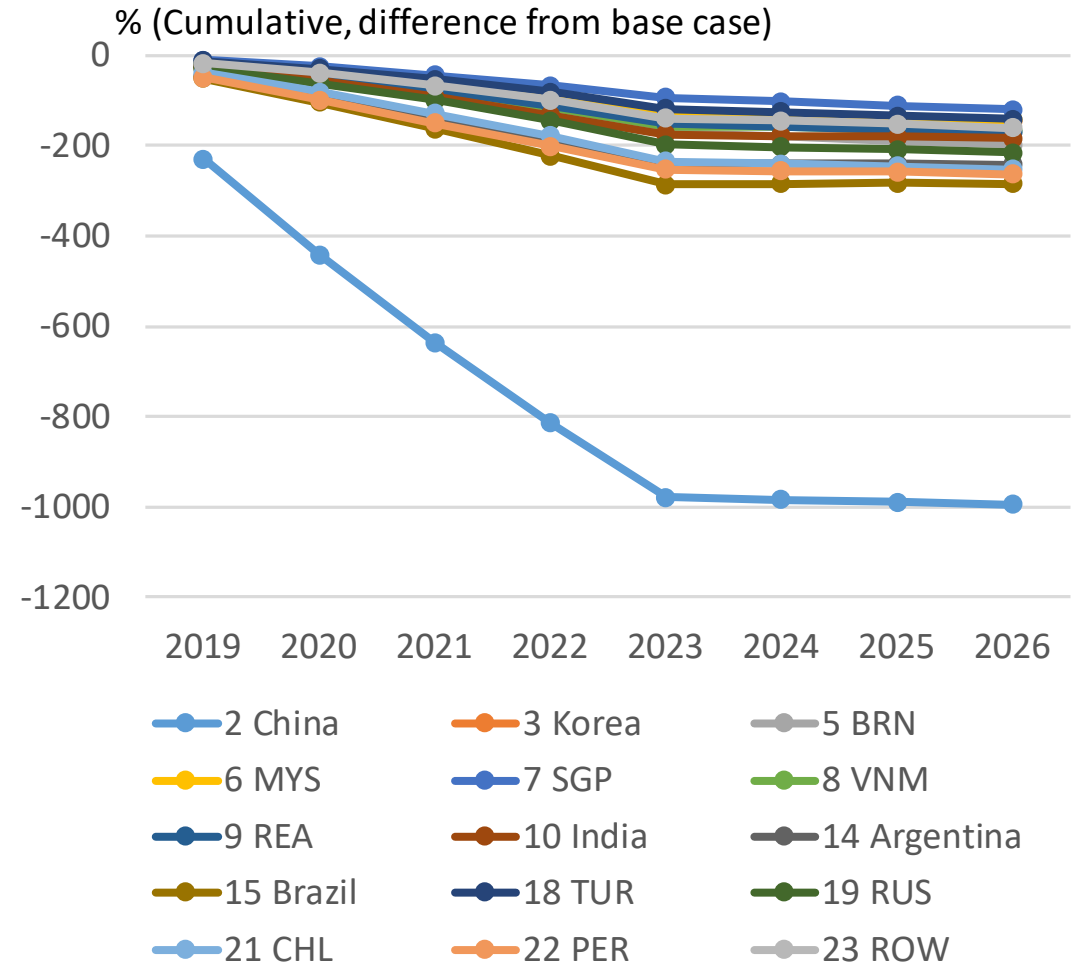
# Expected Export Change from Japan by Countries

(difference from base case)

allied countries

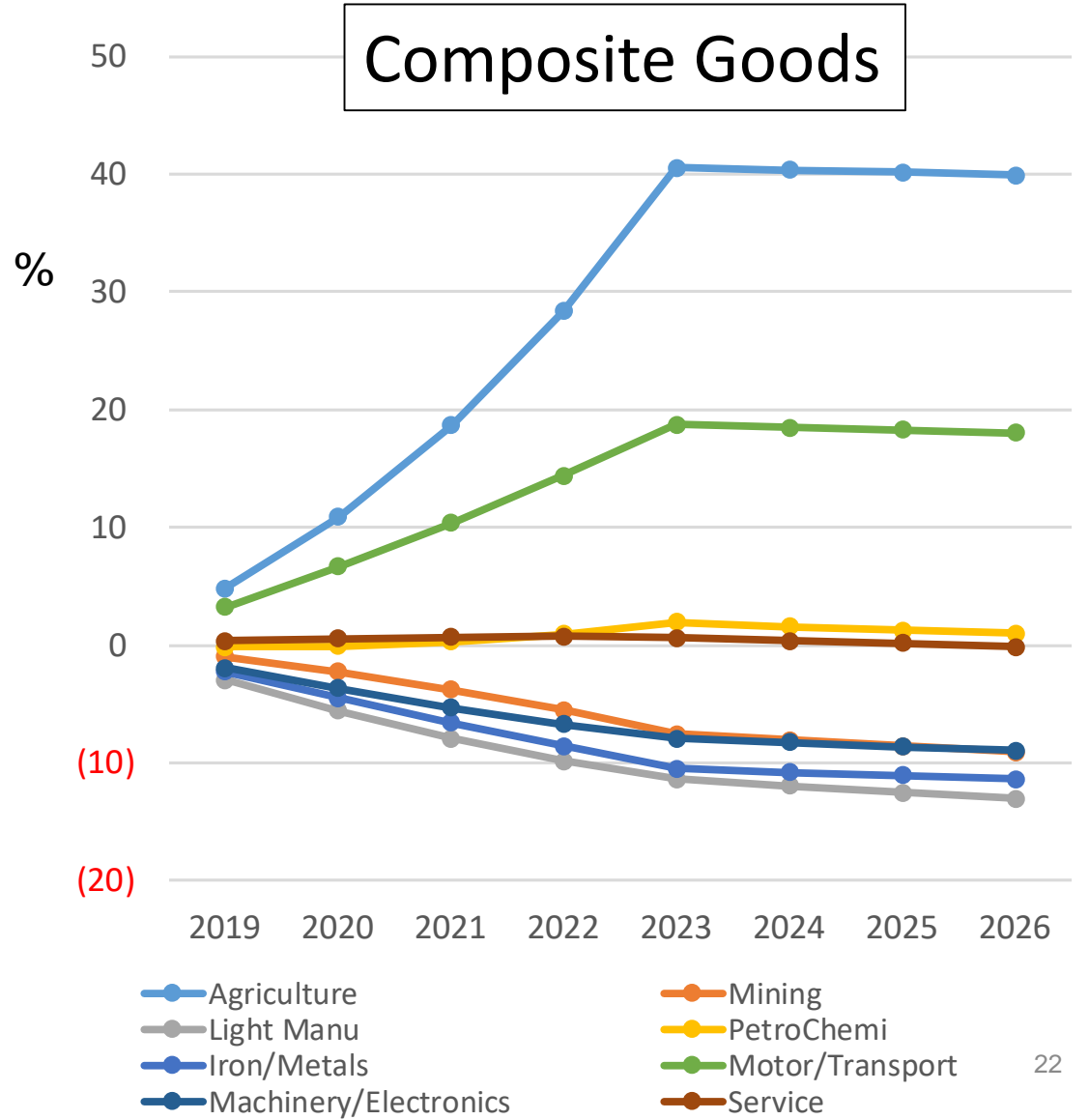
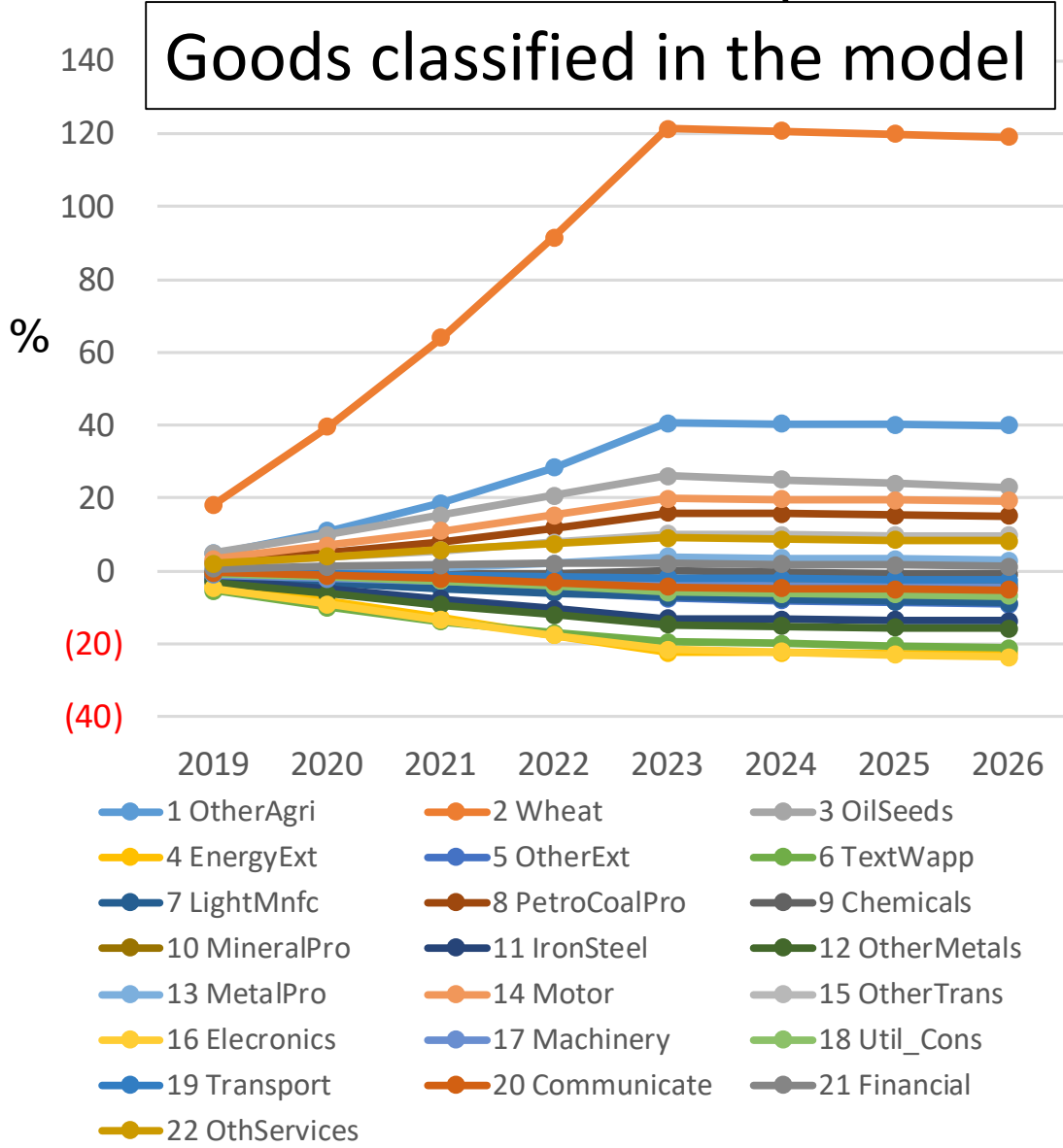


other countries

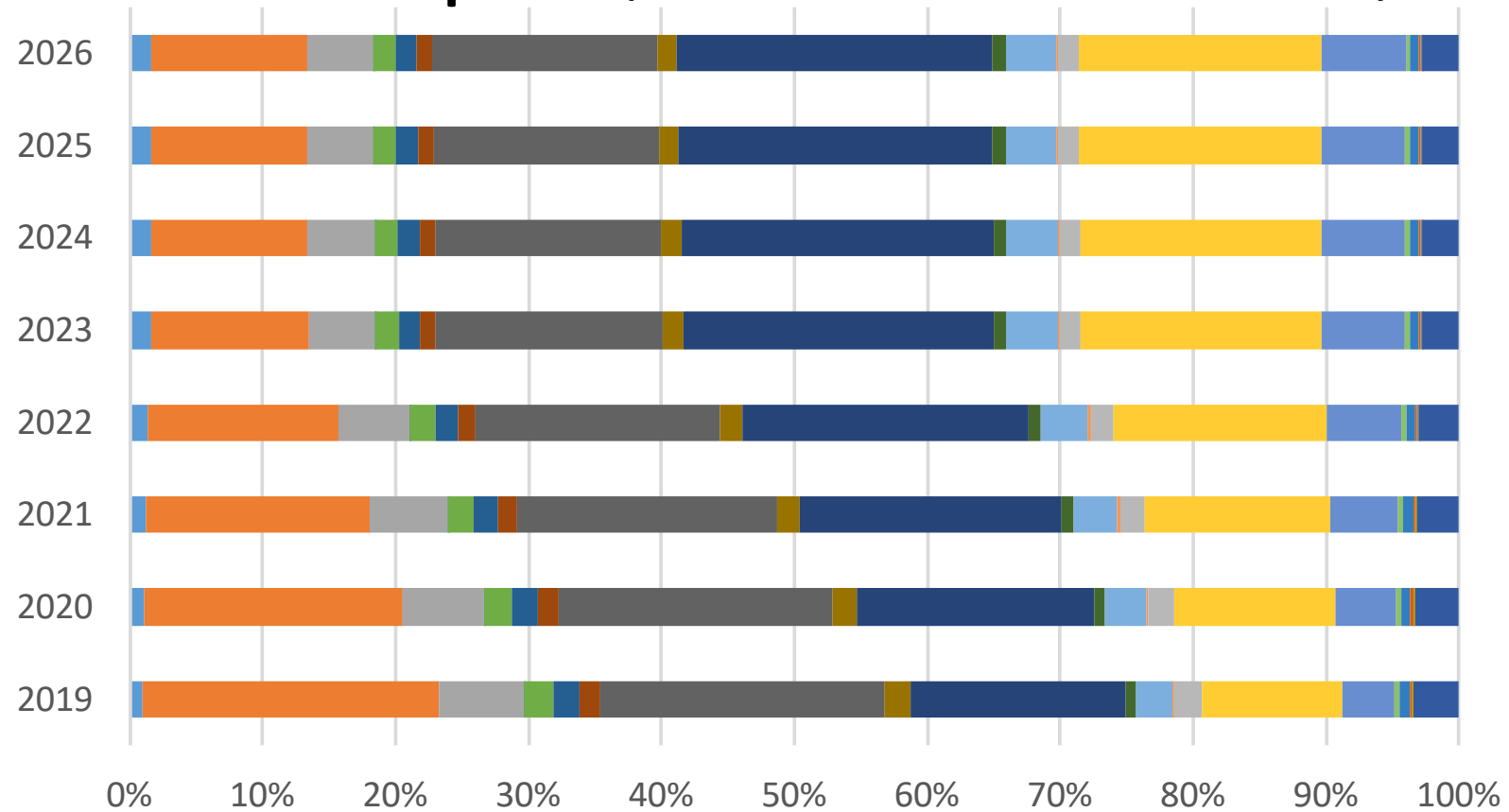


# Expected Export Change from Japan by Commodities

(difference from base case)

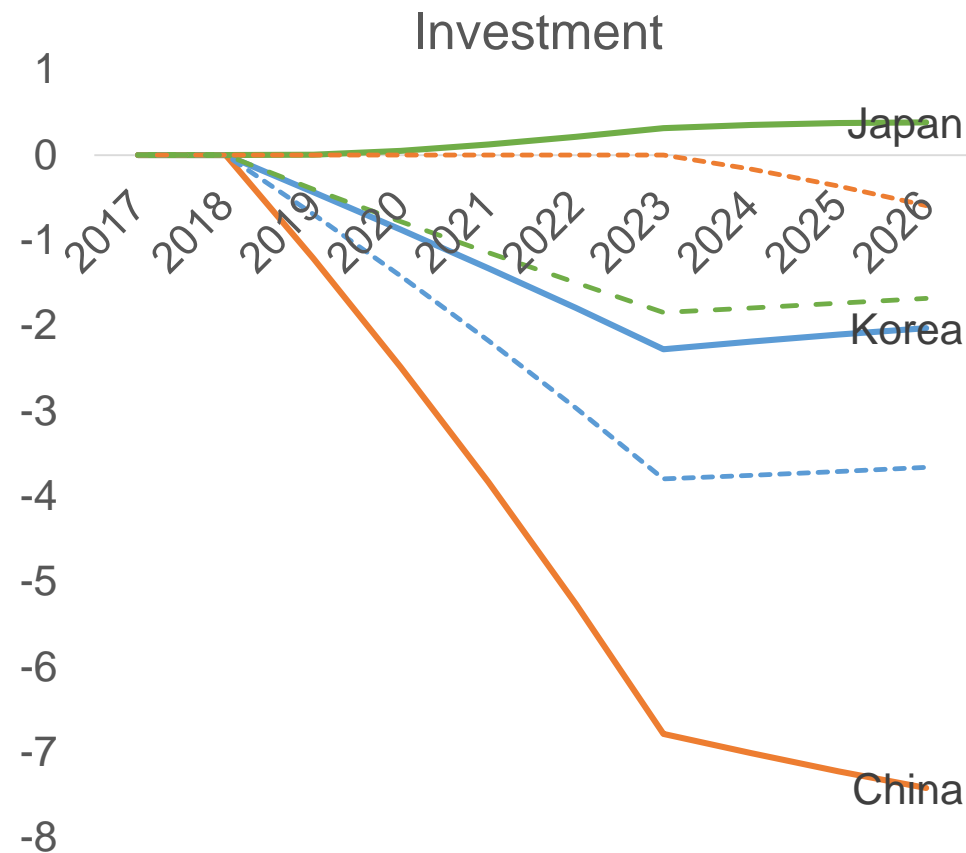
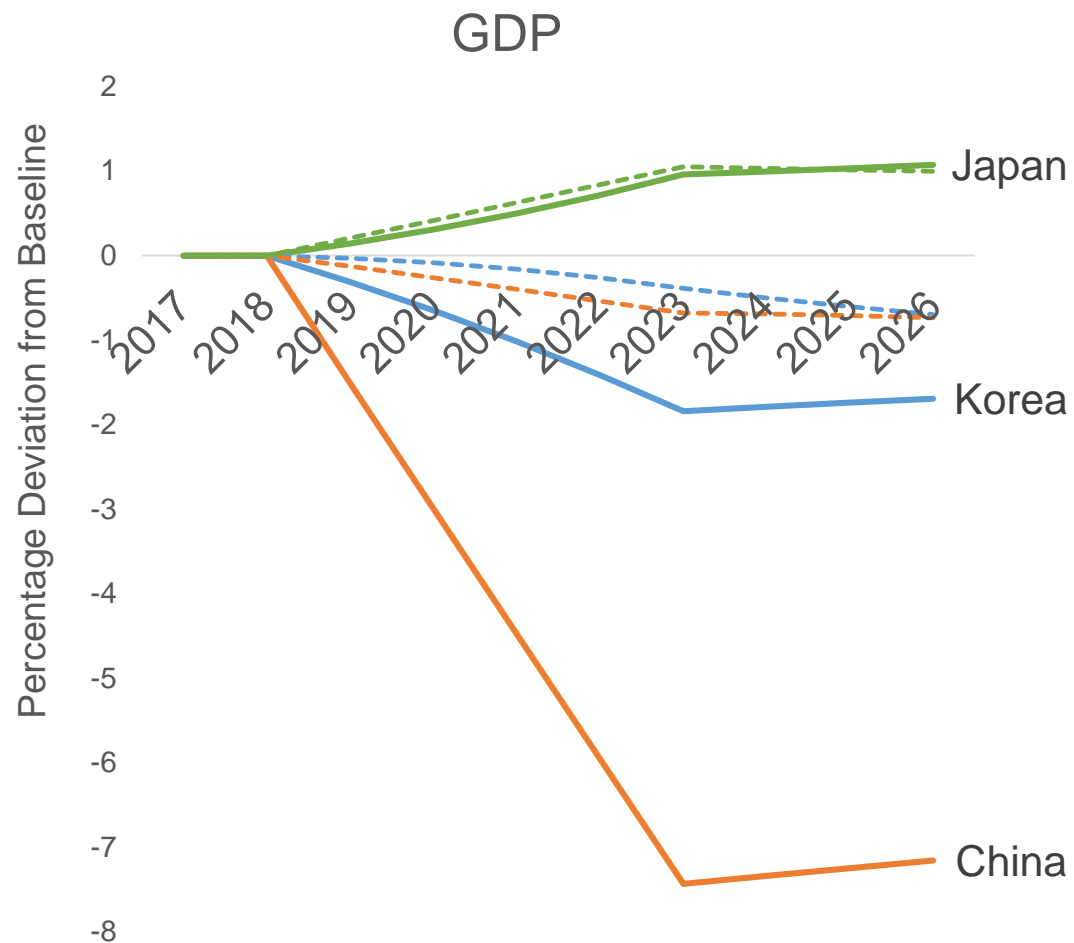


# Share by partner countries of Metal Products Export from Japan (difference from base case)



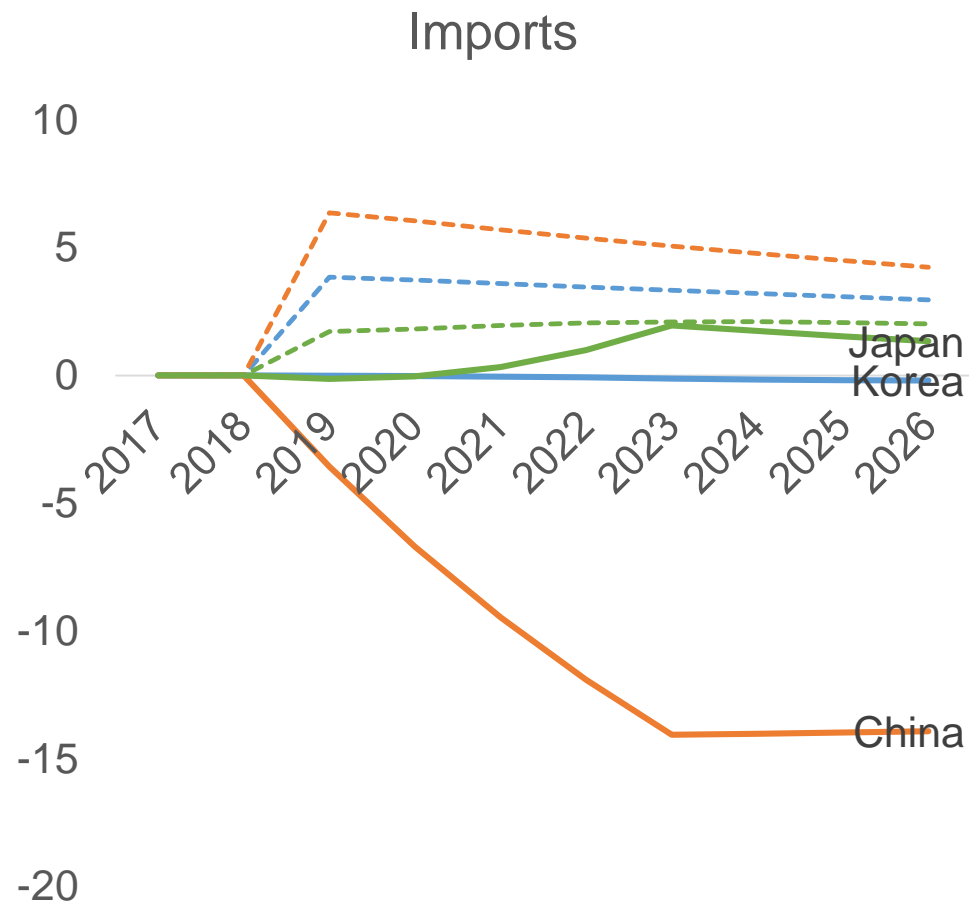
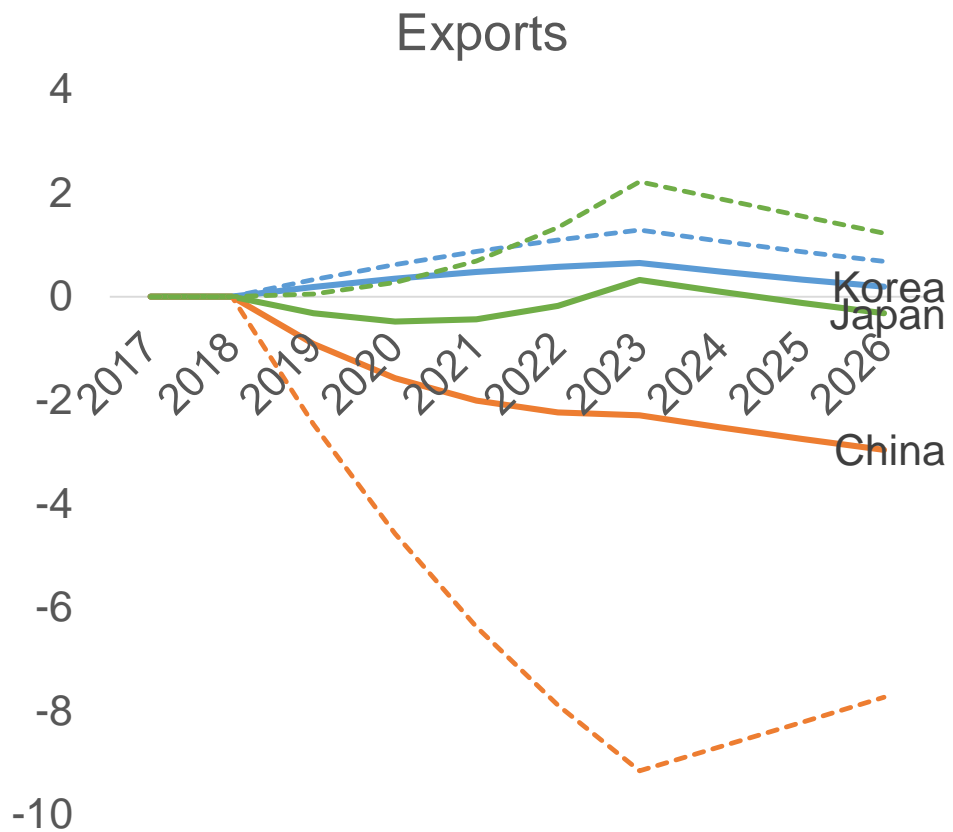
- 1 AUS
- 2 China
- 3 Korea
- 4 JPN
- 5 BRN
- 6 MYS
- 7 SGP
- 8 VNM
- 9 REA
- 10 India
- 11 USA
- 12 CAN
- 13 MEX
- 14 Argentina
- 15 Brazil
- 16 EU27
- 17 GBR
- 18 TUR
- 19 RUS
- 20 NZL
- 21 CHL
- 22 PER
- 23 ROW

# Impact on Korea: GDP & Investment

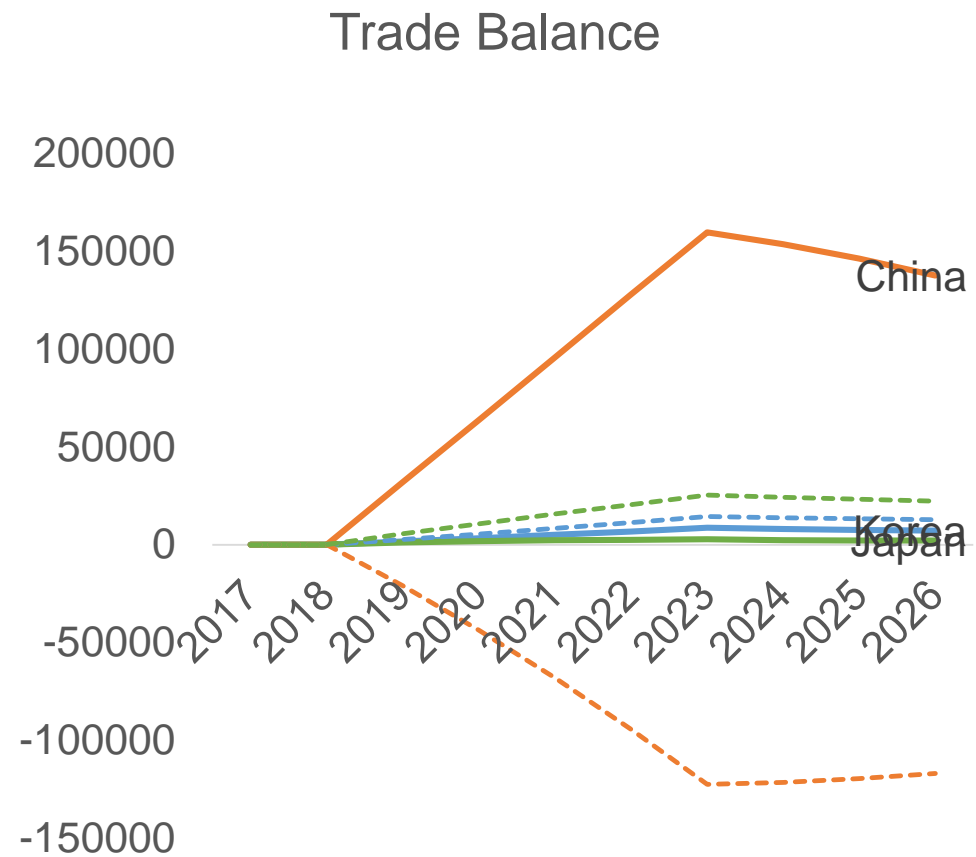




# Impact on Korea: Trade



# Impact on Korea: Trade

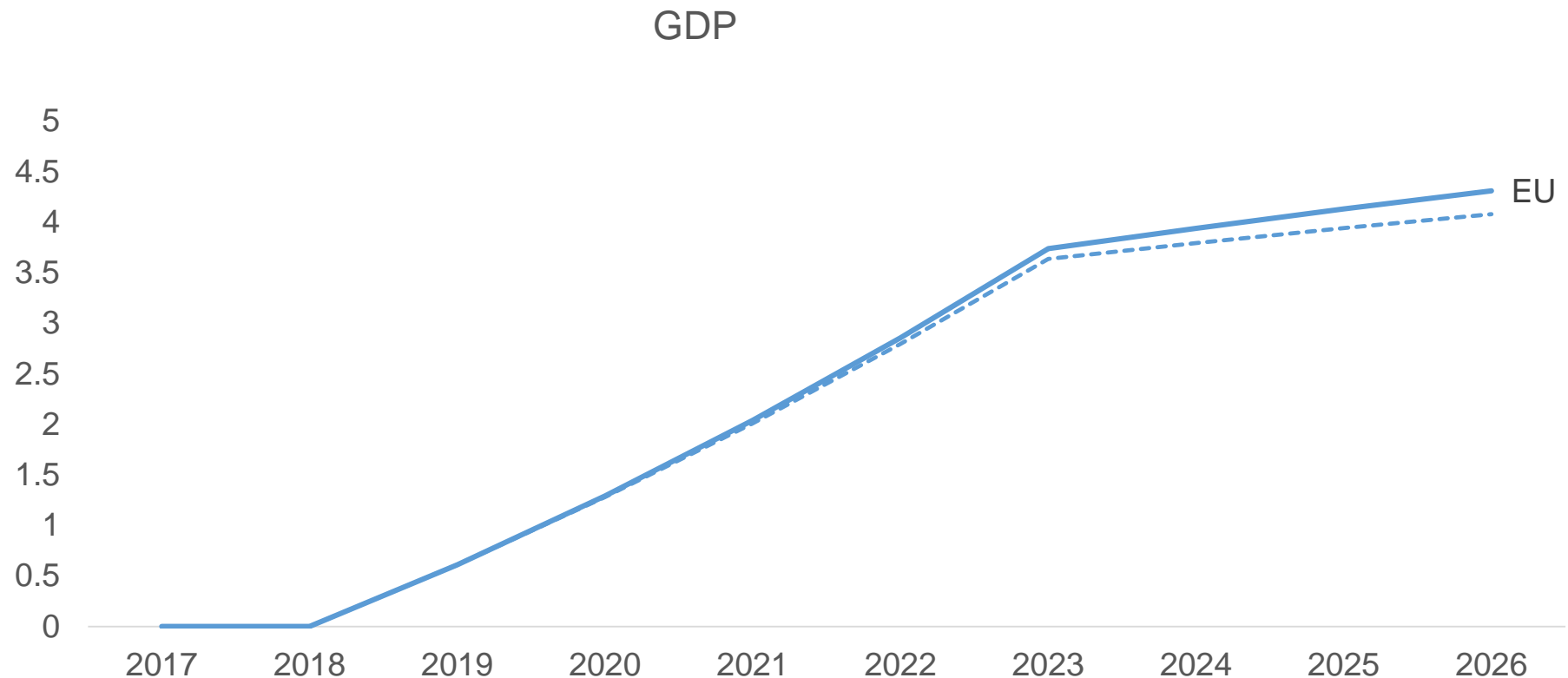


# ***Impact on Korea: Summary***

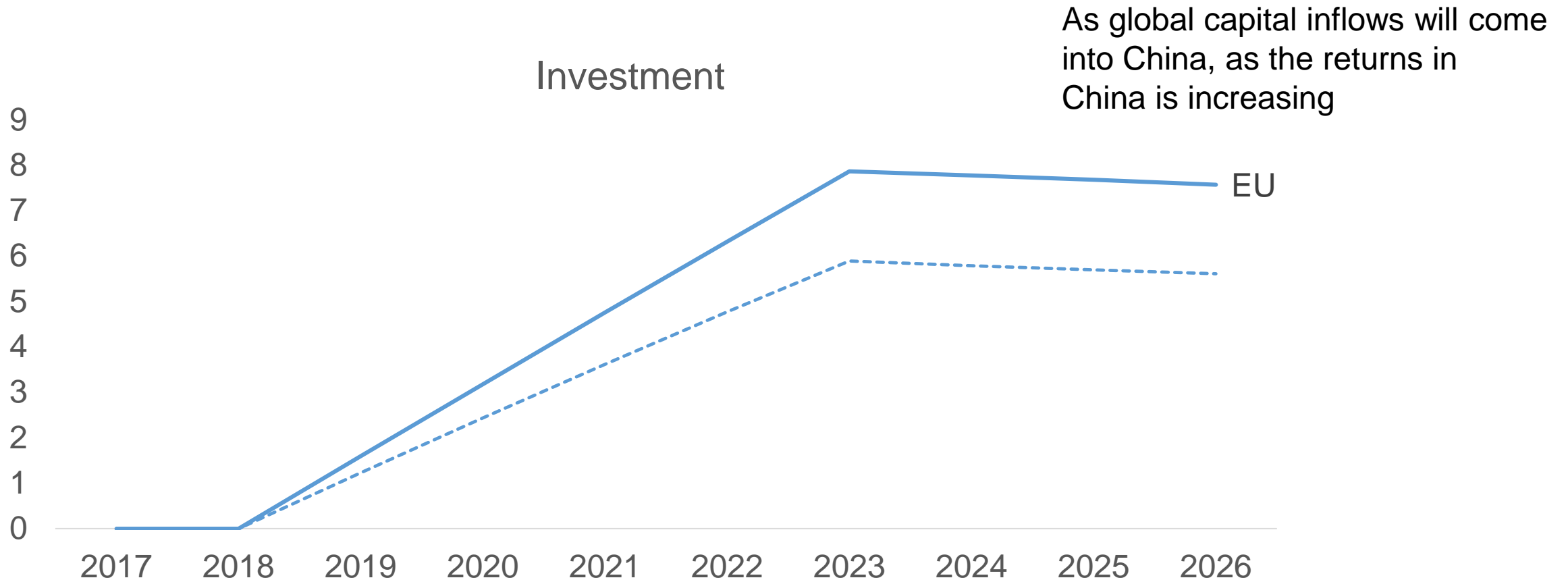
- **Negative GDP and investment impacts**
- **GDP impact becomes muted, but investment impact becomes worse when China reacts**
  - Korea's agriculture and manufacturing sectors adversely impacted
  - Korea's electronics, machinery and services sectors expand
- **Korea's exports increase, no change in imports, imports but increase a lot when China reacts**
- **Korea's trade surplus increase, but trade surplus in recession**

# *The Impact of EU GDP*

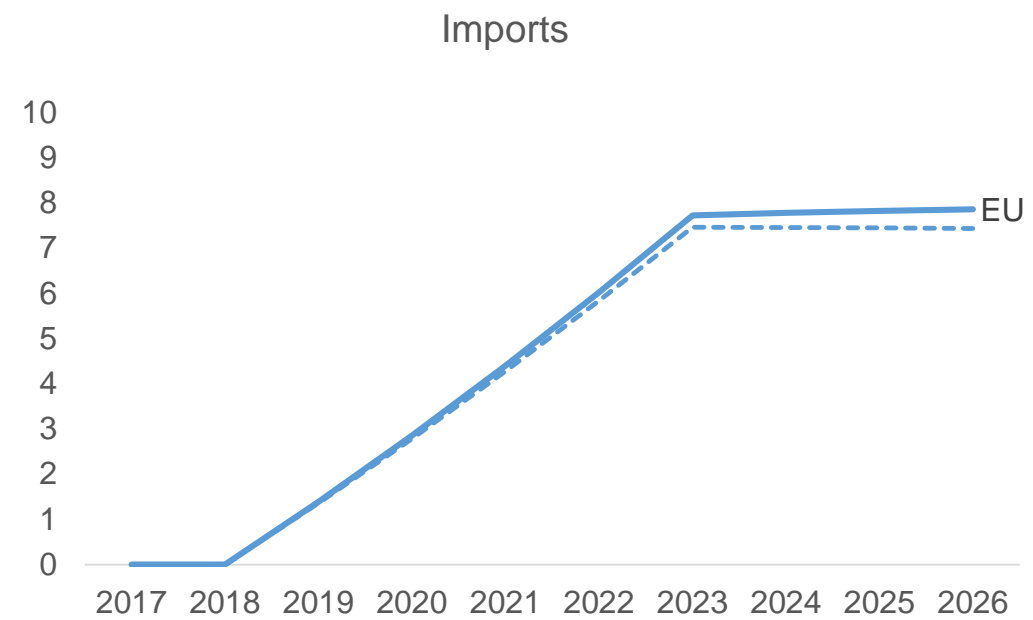
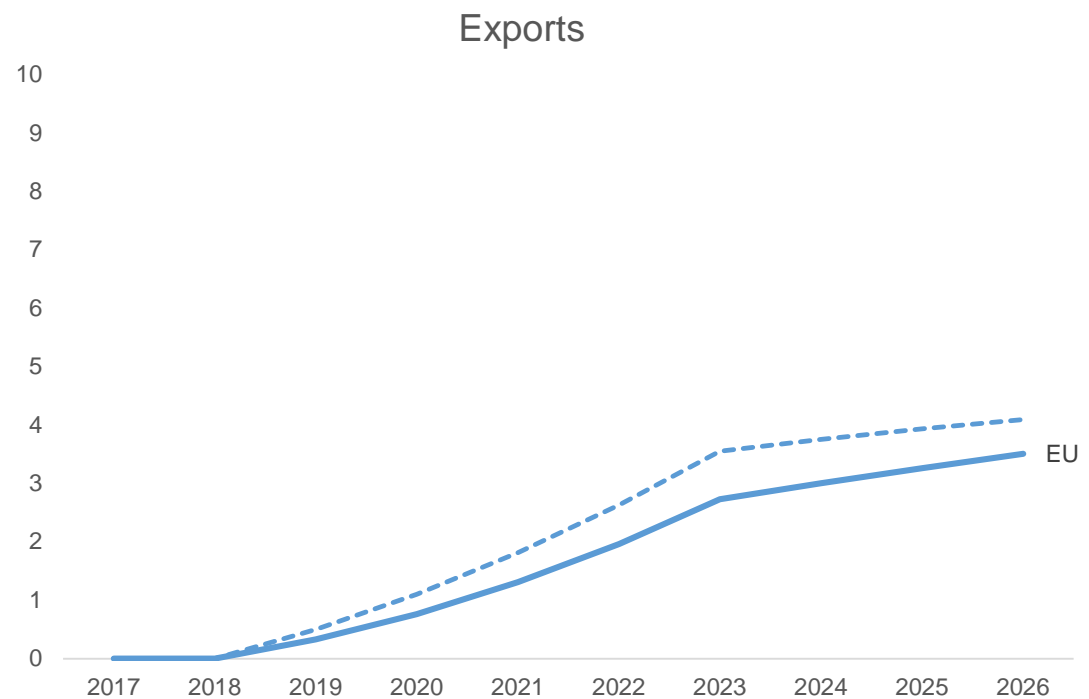
China isolation has resulted in the increase of EU GDP, but the reaction from China will reduce somewhat the amount of GDP increase in EU



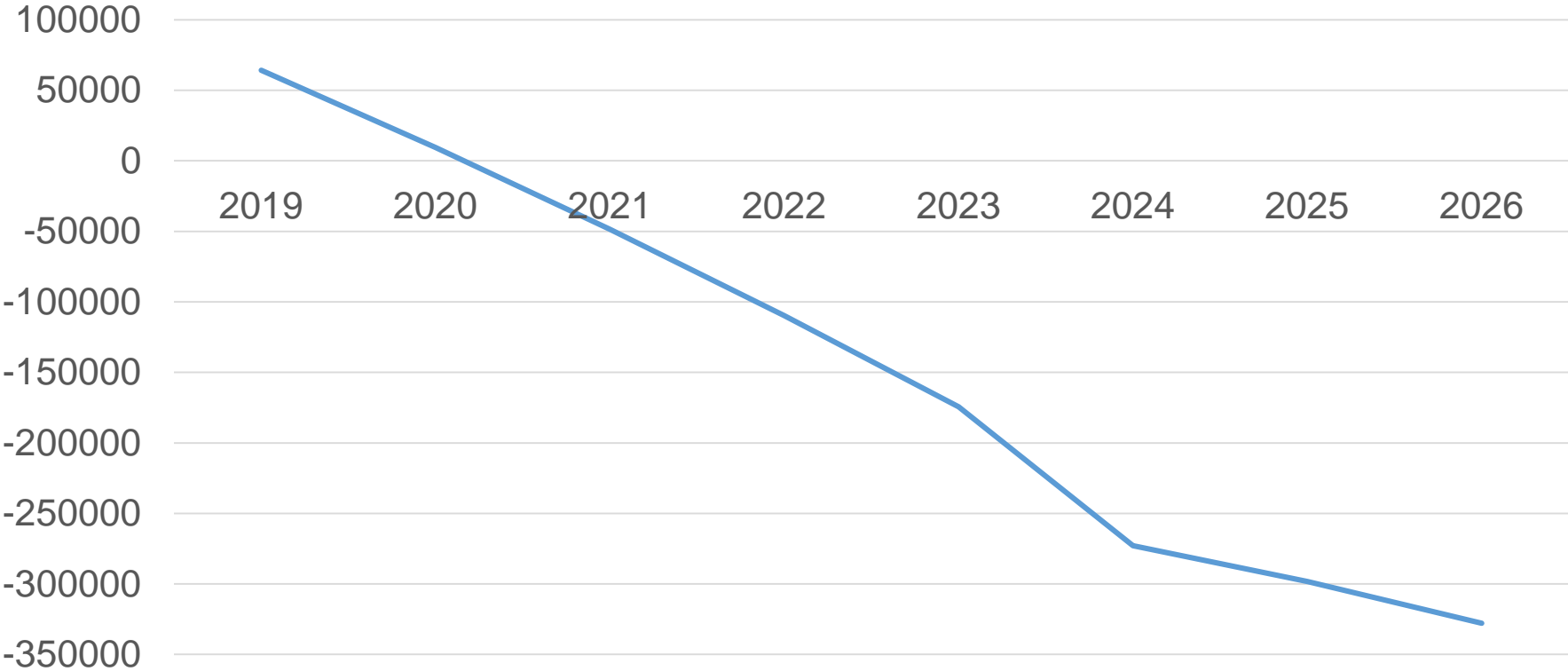
# EU: Investment is declining, when China reacts to the isolation



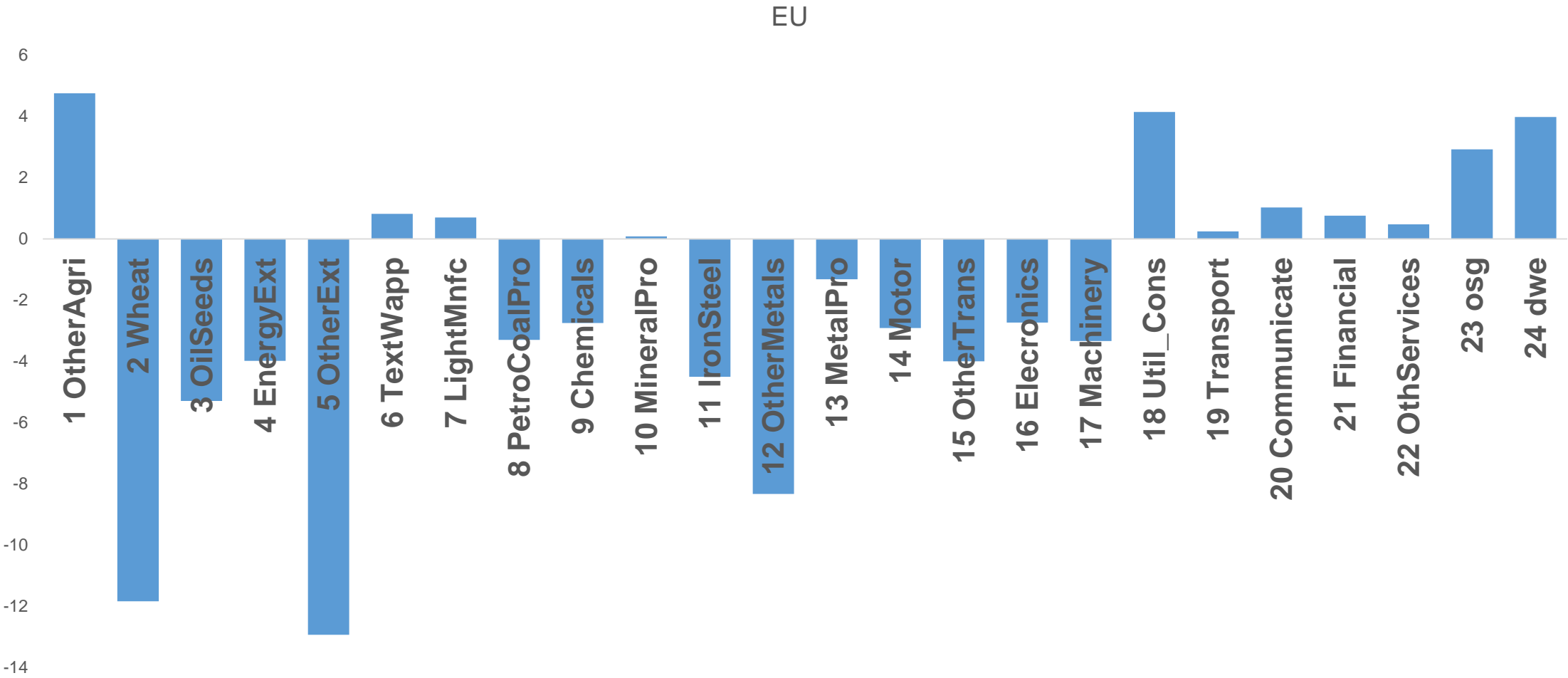
# EU: Trade of EU is increasing



# Trade Balance of EU is decreasing due to Trade Creation and Diversion Effects



# Sectoral Output is declining, but some promising to textile and light manufacturing







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# Questions?

