

Using Spending Monitor data as an indicator for households spending

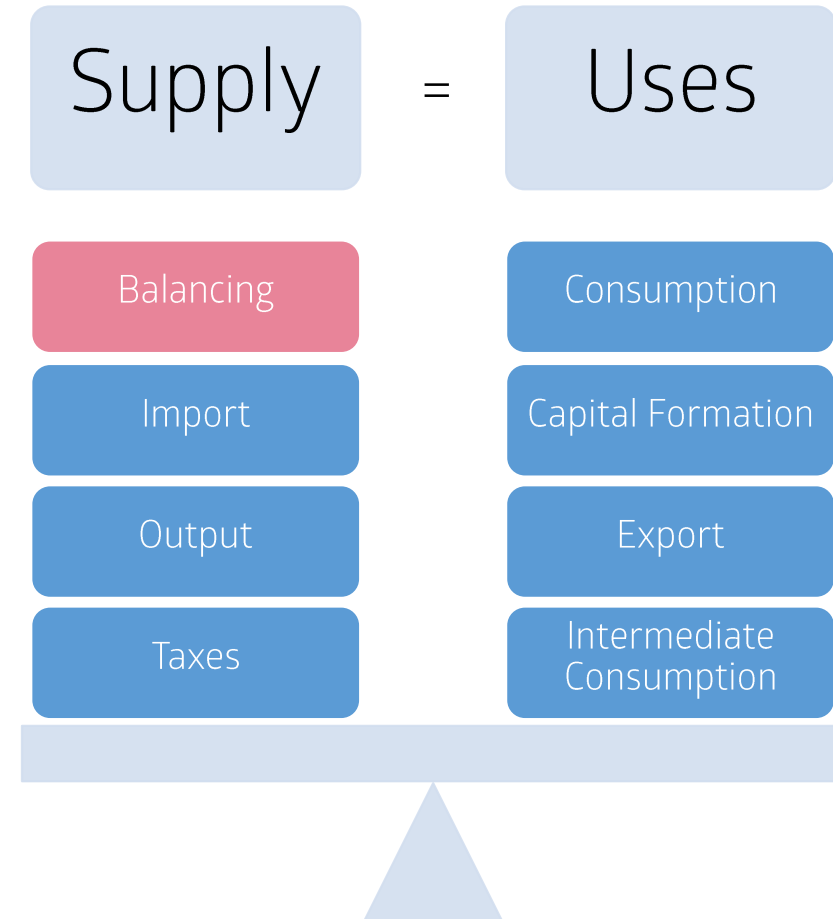
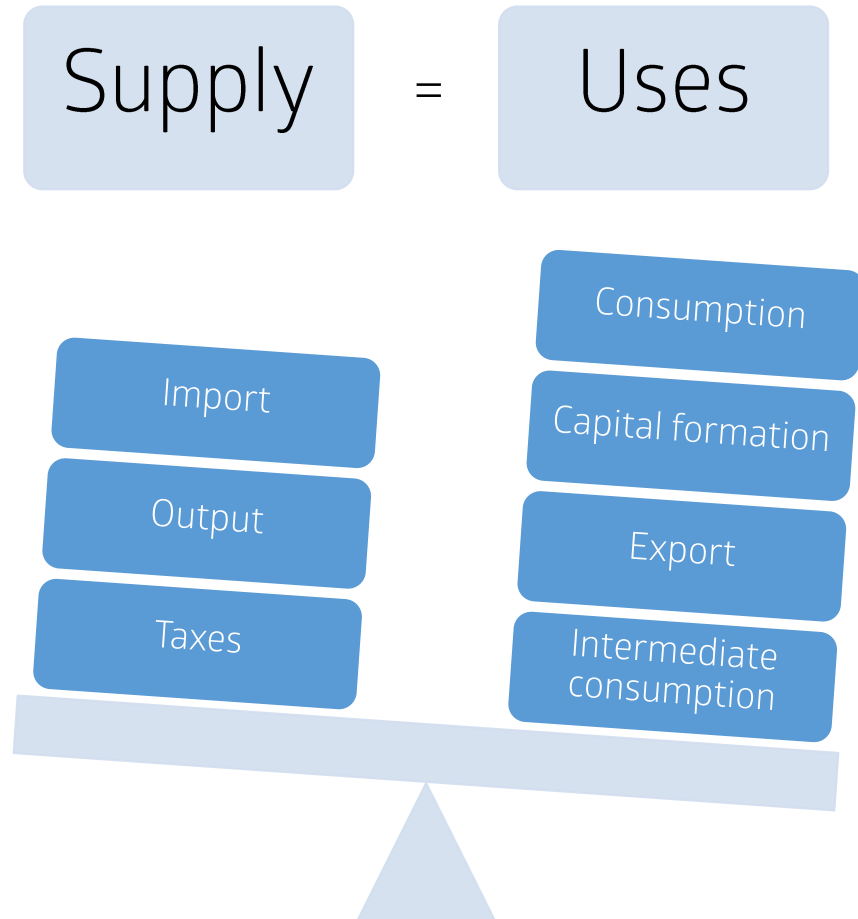
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Statistics Denmark

NSM 2022

Extrapolation of GDP in quarterly national accounts

- Production and expenditure side



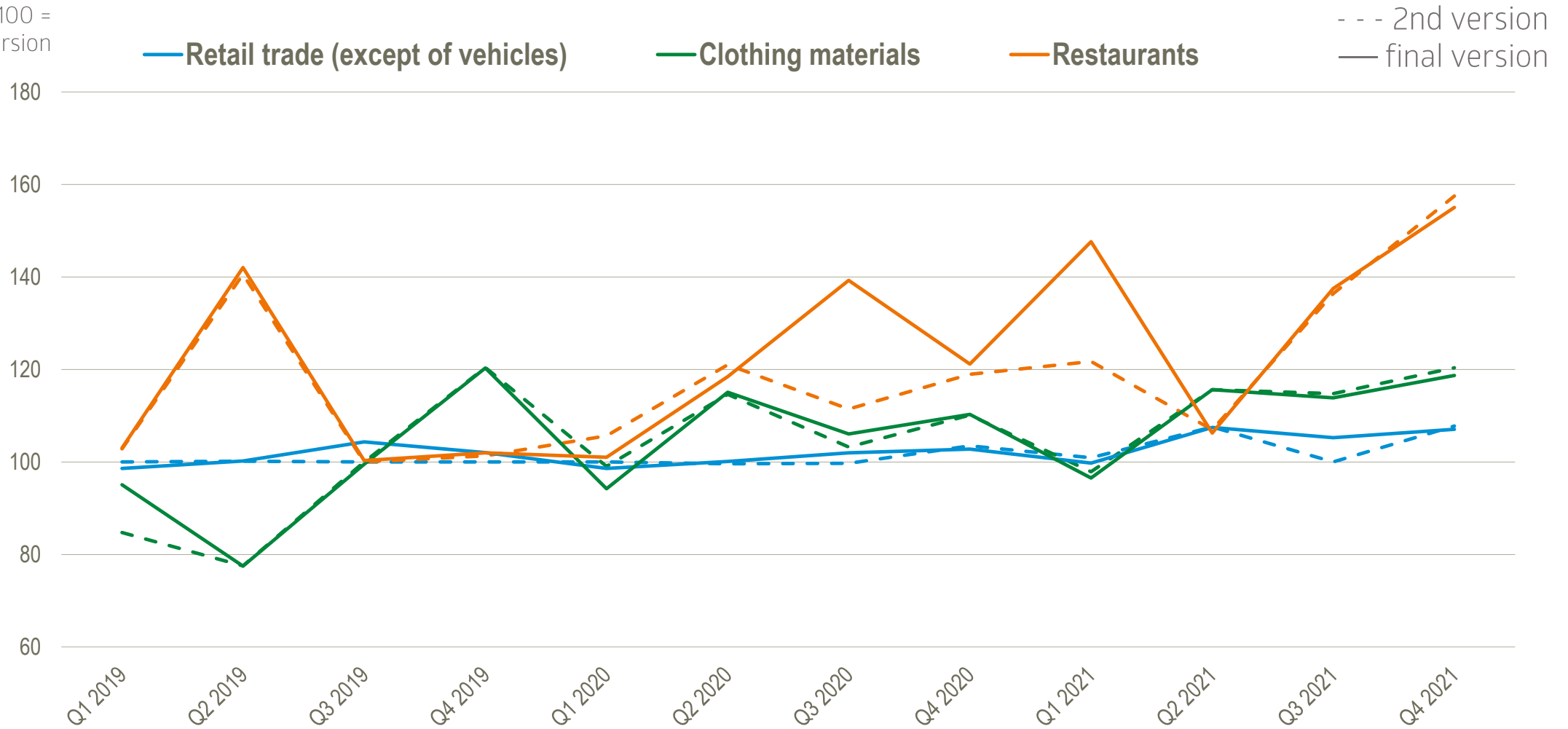
Introduction to research

- Current primary indicators for household consumption
 - VAT & retail trade statistics
- Concerns
 - Source data reliability (supply side)
 - COVID-19 influence on spending patterns
 - Estimation and imputations



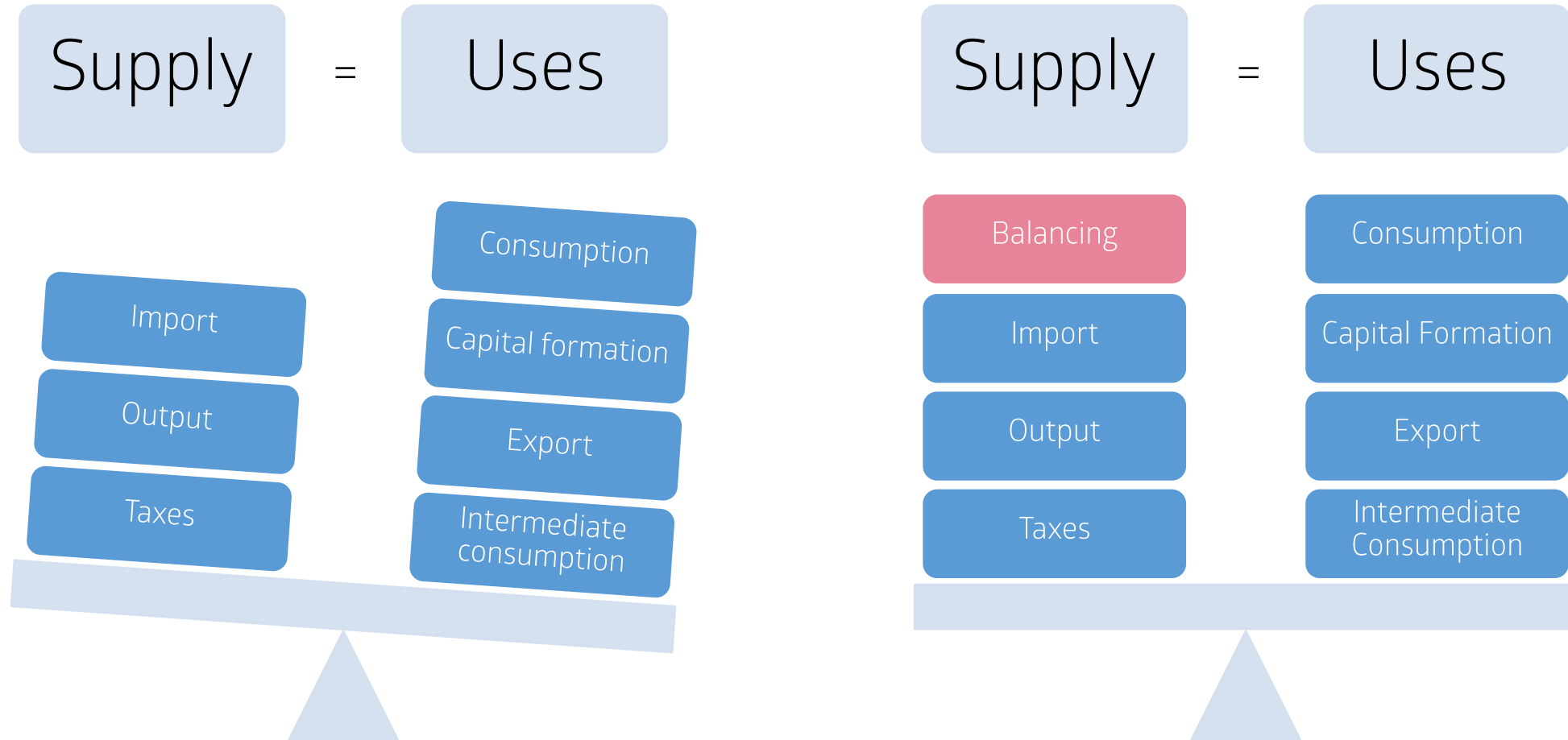
Revisions in VAT data

Index 100 =
1st version



Extrapolation of GDP in quarterly national accounts

- Production and expenditure side



Spending Monitor data

- Danske Bank → Spending Monitor data
 - One million customers (proves significance)
- Availability
 - A quickly available data source
- Complete data series
 - No revisions (or redistributions) when compiling household spending in QNA
 - MCC level – stability in indicator
- Use side indicator

“Could Spending Monitor data serve as a supporting, or better, indicator in extrapolation of quarterly national accounts?”

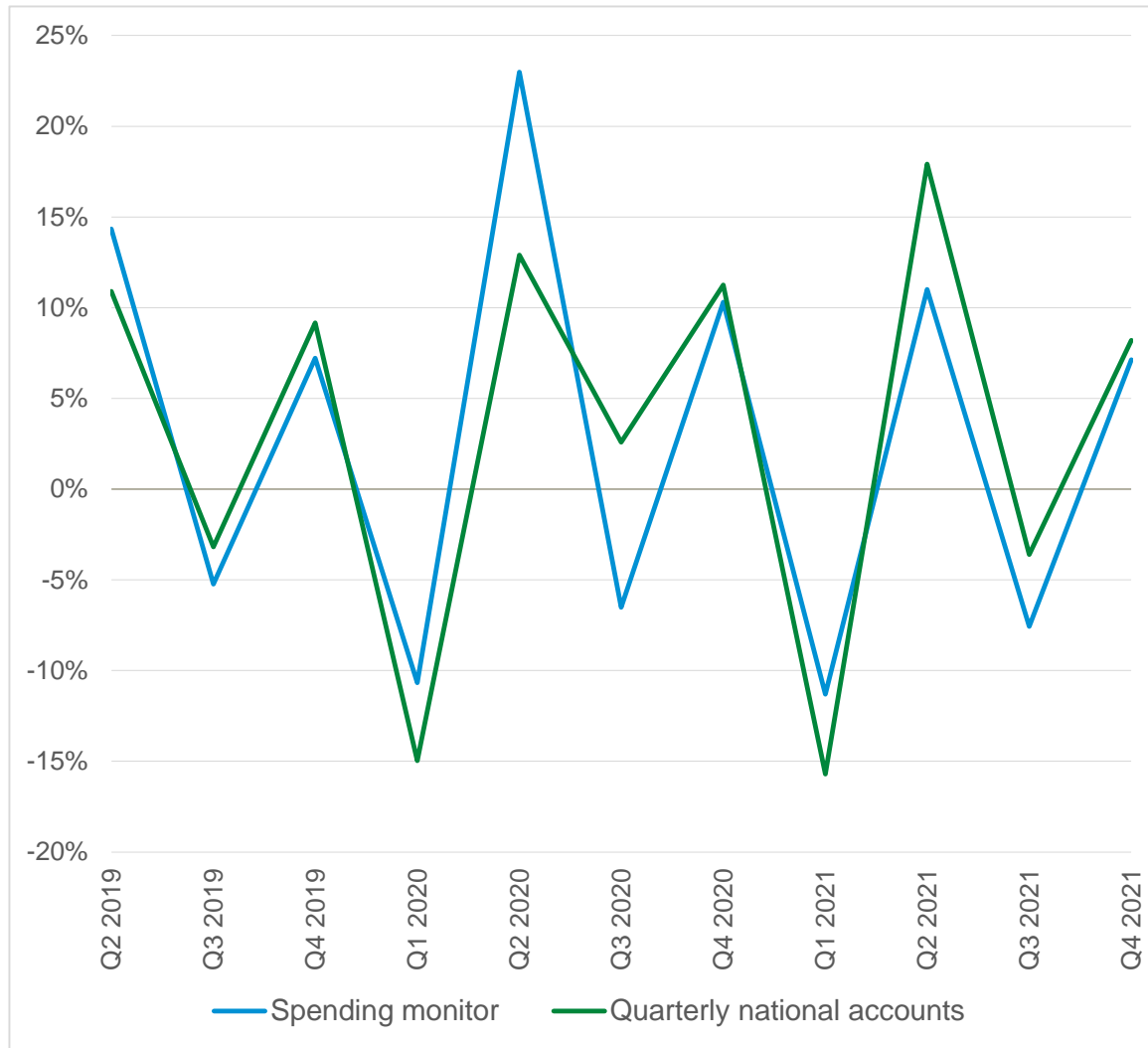
What did we find?



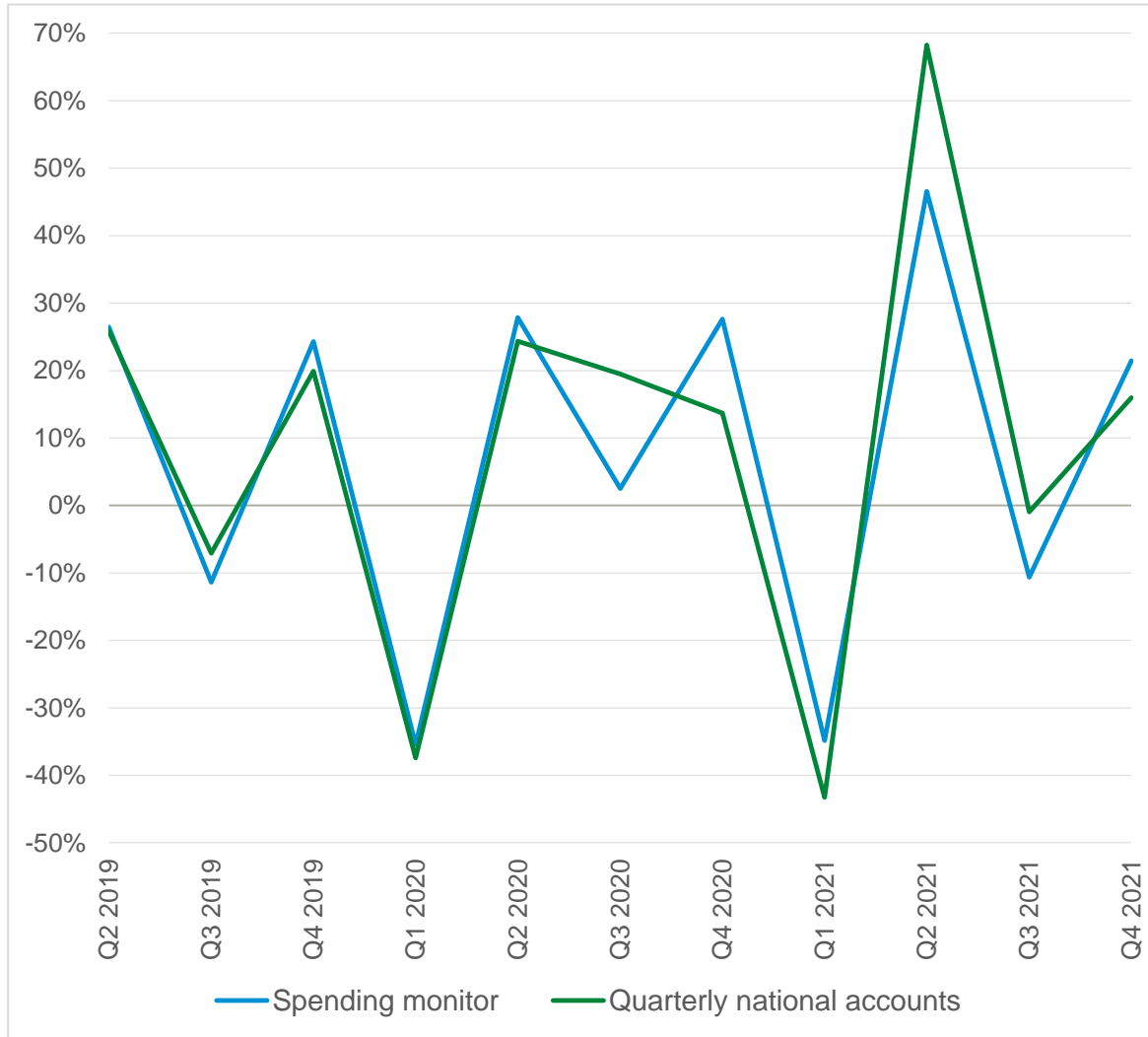
Main findings

- Spending Monitor data serves a good indicator by growth rate on specific and aligned consumption groups
 - Total retail trade (except of vehicles)
 - Clothing materials
 - Jewelry
 - Restaurants
 - Hairdressing salons
- Accuracy and reduction of revisions

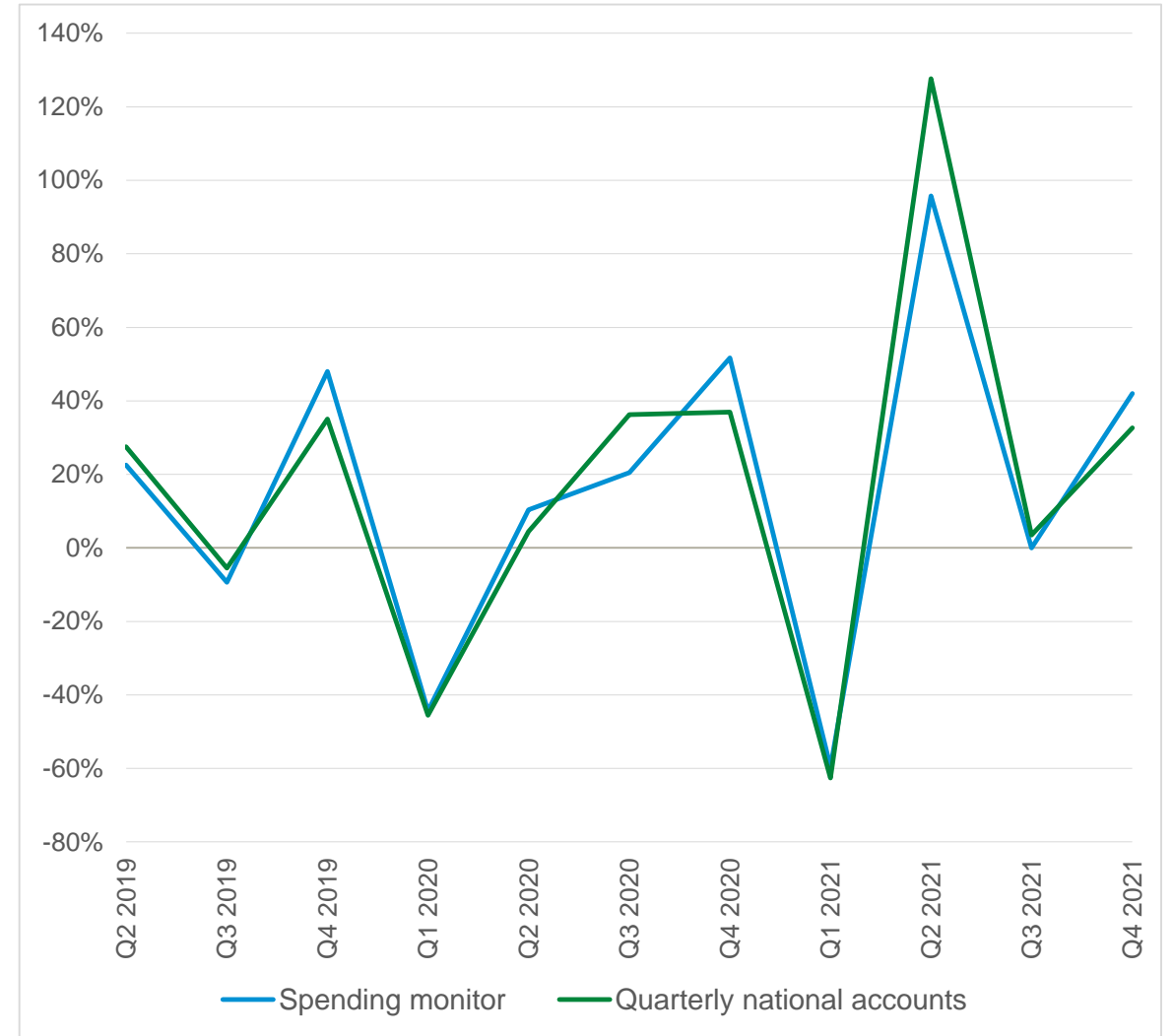
Retail trade (except of vehicles)



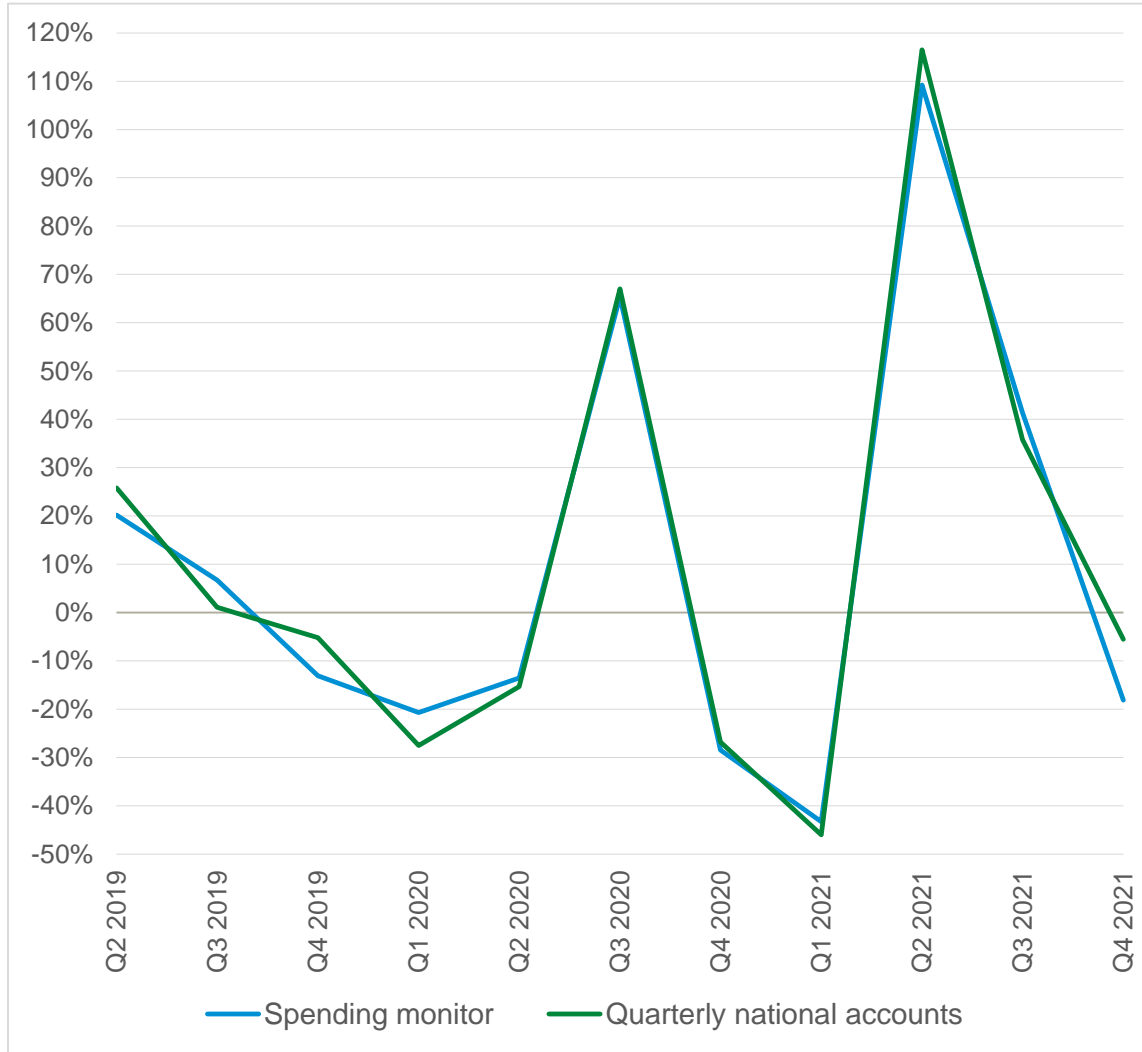
Clothing materials



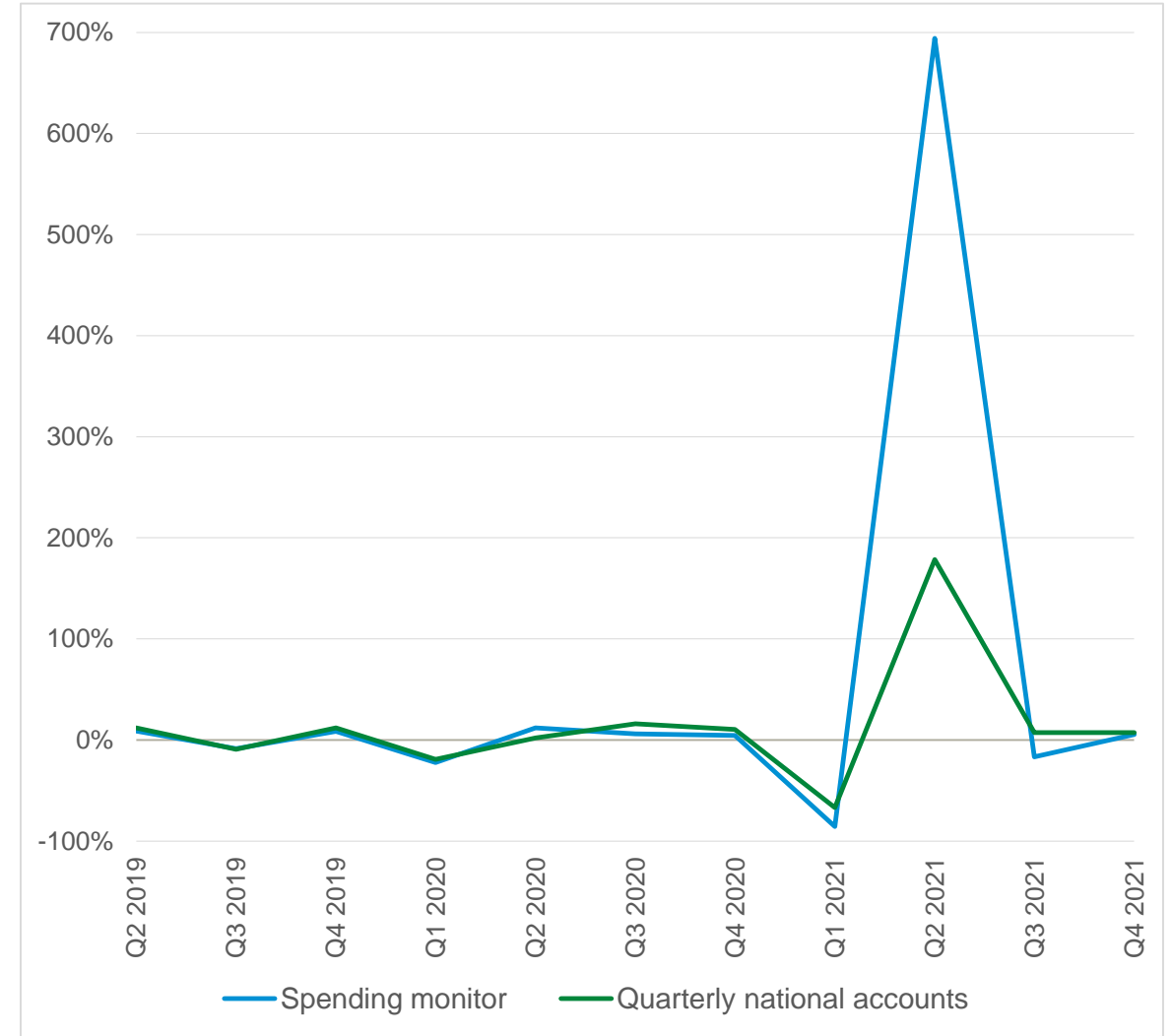
Jewelry



Restaurants



Hairdressing salons



Considerations

What is
Spending
Monitor
suitable in
measuring?

Obligation of
delivering
data

Time
series
data

Purchases in
cash

*- different
tendencies
between
countries*

MCC vs. COICOP

MCC level

01

- Grocery stores
- Etc.

11

- Hotels and motels

Alignment

COICOP classification

01 Food and non-alcoholic beverages

- Food
- Beverages
- Etc.

03 Clothing

- Clothing materials
- Footwear
- Etc.

11 Restaurants and hotels

- Catering services
- Accommodation services
- Etc.

03

- Clothing stores
- Shoe stores

11

- Restaurants
- Etc.

Future work

- Internationally bank card data serves a good indicator also
- Need for complete conversion of MCC levels
 - Sharing knowledge and considerations
- Shared access to Nordic bank card data?



Nordic cooperation on converting MCC levels to COICOP?



Thank you for listening

Questions?