



EUROPEAN CONFERENCE ON QUALITY IN OFFICIAL STATISTICS 2024 ESTORIL - PORTUGAL

ON THE USE OF VALUE ADDED TAX DATA IN CREATING A TIMELY MONTHLY PRODUCTION VALUE INDEX

Annika Lindblom, Statistics Sweden



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2024 ESTORIL - PORTUGAL



INSTITUTO NACIONAL DE ESTATÍSTICA
STATISTICS PORTUGAL

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The conference is partly
financed by the European Union



Background

- Preliminary monthly PVI was until recently based on a sample survey with direct collection from businesses
- Each quarter, final monthly PVI is produced, mostly based on VAT-data. Final estimates replaces the preliminary and revised monthly estimates are published
- Small revisions between preliminary and final estimates are desirable among users
- During recent years focus on the use of administrative data has increased at Statistics Sweden



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Towards a practical implementation

- Necessary considerations before replacing direct collection with VAT-data:
 - Direct collection from large and important businesses
 - Micro versus macro approach
 - Complete enumeration versus a sample
 - Imputation method
 - Parallel run
- A new method was implemented from reference month 2023M04 where small and medium sized businesses are based on VAT-data (manufacturing sector)



Conclusions

An evaluation, mainly in terms of revisions between preliminary and final PVI (level and change estimates):

- Estimates with improved or maintained accuracy is obtained by the new method
- Important to continuously evaluate revisions to make sure that they do not increase
- Timeliness of VAT-data is the major problem, industries with imputed turnover up to about 30 percent
- There are areas of improvement to consider, like use AGI (PAYE tax return) as additional auxiliary information in the imputation method