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QUALITY IN OFFICIAL STATISTICS
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Delineation of
Complex Statistical Units in Greece
through the implementation of
manual and automatic profiling

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Definition of profiling

Profiling is a method to analyse and maintain the legal, operational and accounting structure of an enterprise group at national and world level, in order to establish the statistical units within that group, their links, and the most efficient structures for the collection of statistical data (Business Registers Recommendations Manual).
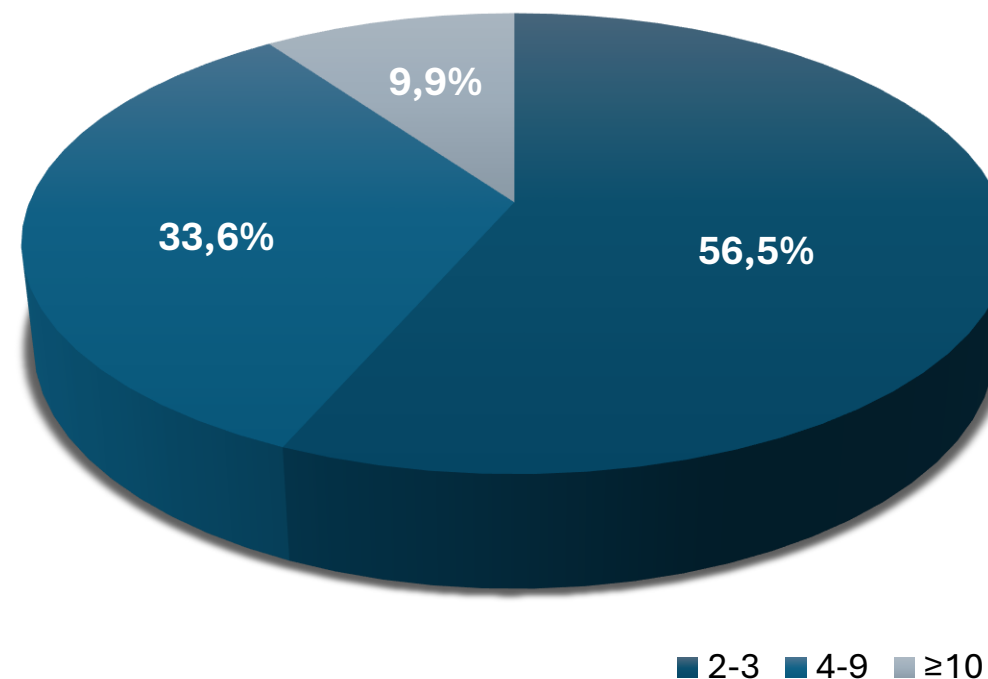
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Results of Profiling process

The total turnover of **the 309 enterprise groups that are profiled** amounts to 135,979.18 million euro corresponding to 30.4% of the total turnover of the Greek economy, while their total employment is 276,432 persons which corresponds to 6.0% of the total employment.

The delineation of the statistical unit "enterprise" resulted in the creation of a total of **345 complex enterprises**, which consisted of two or more legal units.

Distribution of complex enterprises by number of legal units

- 9,9%
- 33,6%
- 56,5%

Legend: ■ 2-3 ■ 4-9 ■ ≥10

Intra-enterprise flows survey

For the consolidation of non-additive variables at the level of the statistical unit enterprise ELSTAT decided to proceed to the direct collection of information from enterprises on their intra-enterprise flows through a dedicated survey.

An electronic questionnaire was drafted including questions on intra-flows data that are necessary for the calculation of the main non-additive SBS variables:

1. Net Turnover
2. Production Value
3. Total Purchases of Goods and Services
4. Total Purchases of Goods and Services for resale at the same condition
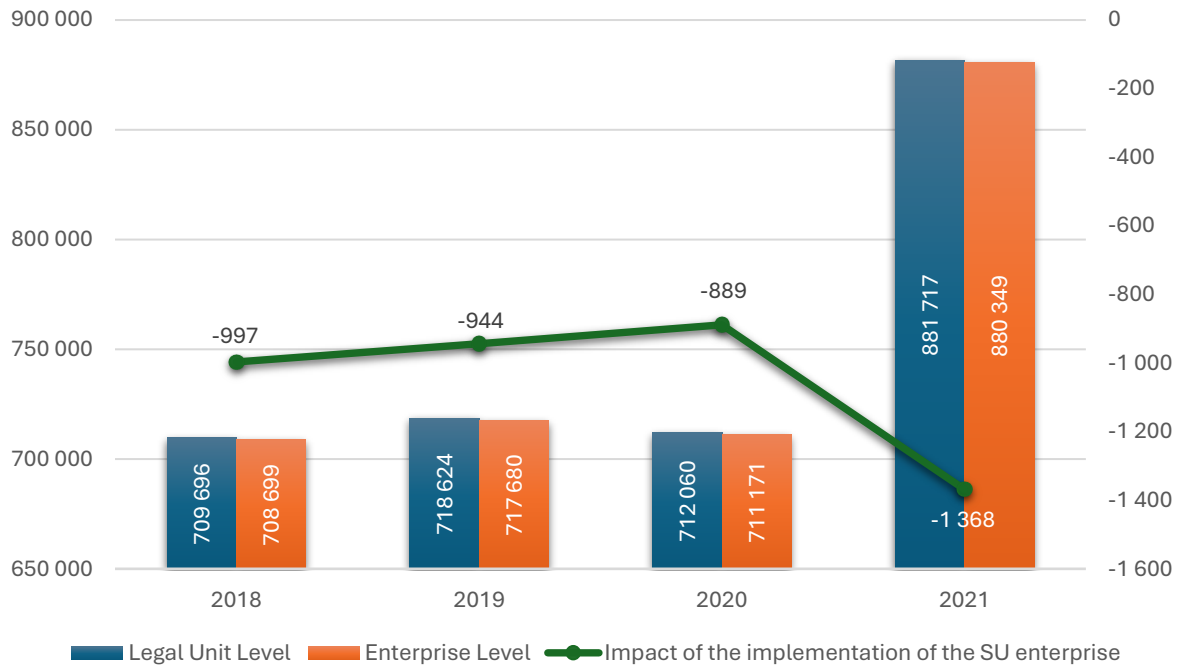5. Total Investments

Intra-enterprise flows survey (continued)

✓ The questionnaire was customized for each delineated enterprise of every group by including its individual linked legal units.

✓ Through the questionnaire, the enterprise groups are also asked to confirm the delineation made by ELSTAT, by adding or removing linked legal units.

✓ For the reference year 2022, the questionnaire was sent to **345 enterprises**. **More than 210 groups-enterprises responded** to the survey by providing data (**response rate over 60.0%**).

✓ The total turnover of **the responding groups-enterprises** amounts to 110.076,27 million euro corresponding to 86.0% of the total turnover of the surveyed enterprises.
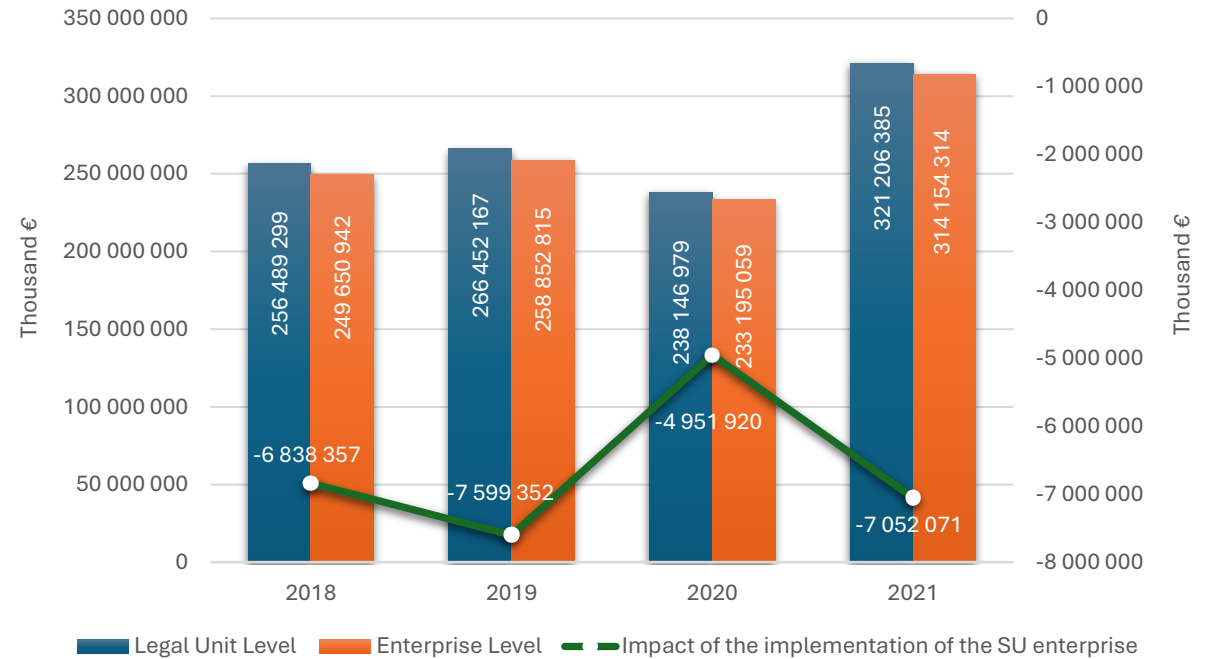
Impact of the implementation of the Statistical Unit Enterprise in the SBS results
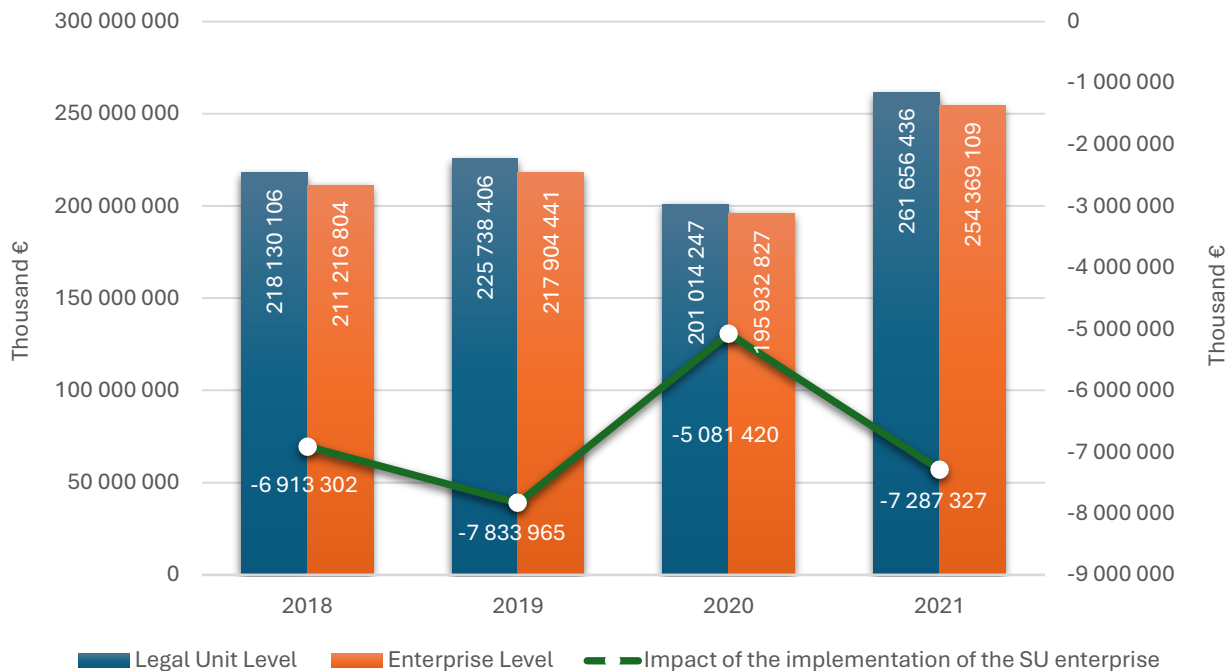

Number of Enterprises

Year	Legal Unit Level	Enterprise Level	Impact of the implementation of the SU enterprise
2018	709 696	708 699	-997
2019	718 624	717 680	-944
2020	712 060	711 171	-889
2021	881 717	880 349	-1 368

Net Turnover (Thousand €)

Year	Legal Unit Level	Enterprise Level	Impact of the implementation of the SU enterprise
2018	256 489 299	249 650 942	-6 838 357
2019	266 452 167	258 852 815	-7 599 352
2020	238 146 979	233 195 059	-4 951 920
2021	321 206 385	314 154 314	-7 052 071

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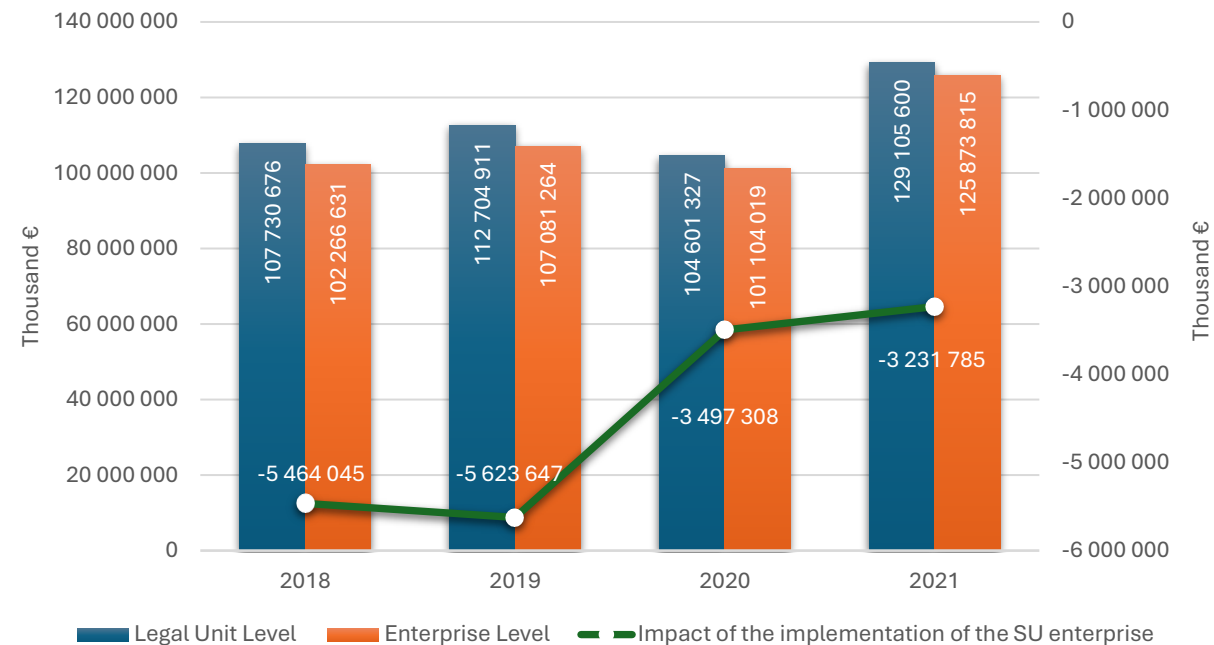2024 ESTORIL - PORTUGAL

Impact of the implementation of the Statistical Unit Enterprise in the SBS results
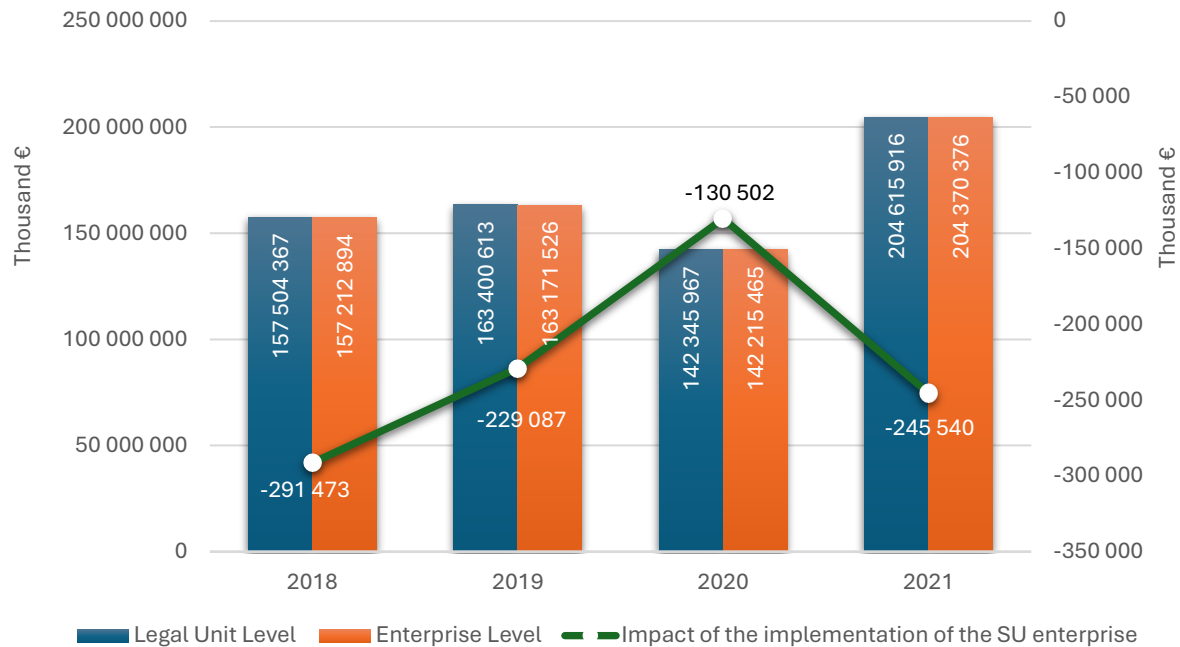

Total Purchases of Goods and Services

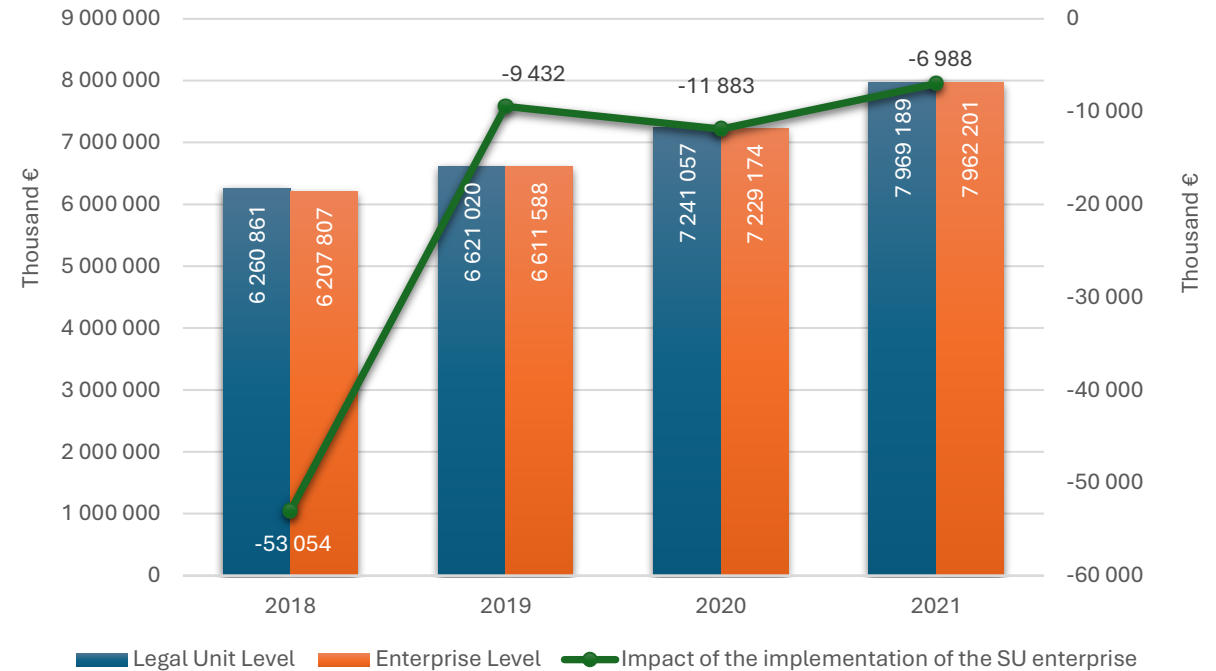**Total Purchases of Goods and Services for Resale at the same condition**

Impact of the implementation of the Statistical Unit Enterprise in the SBS results
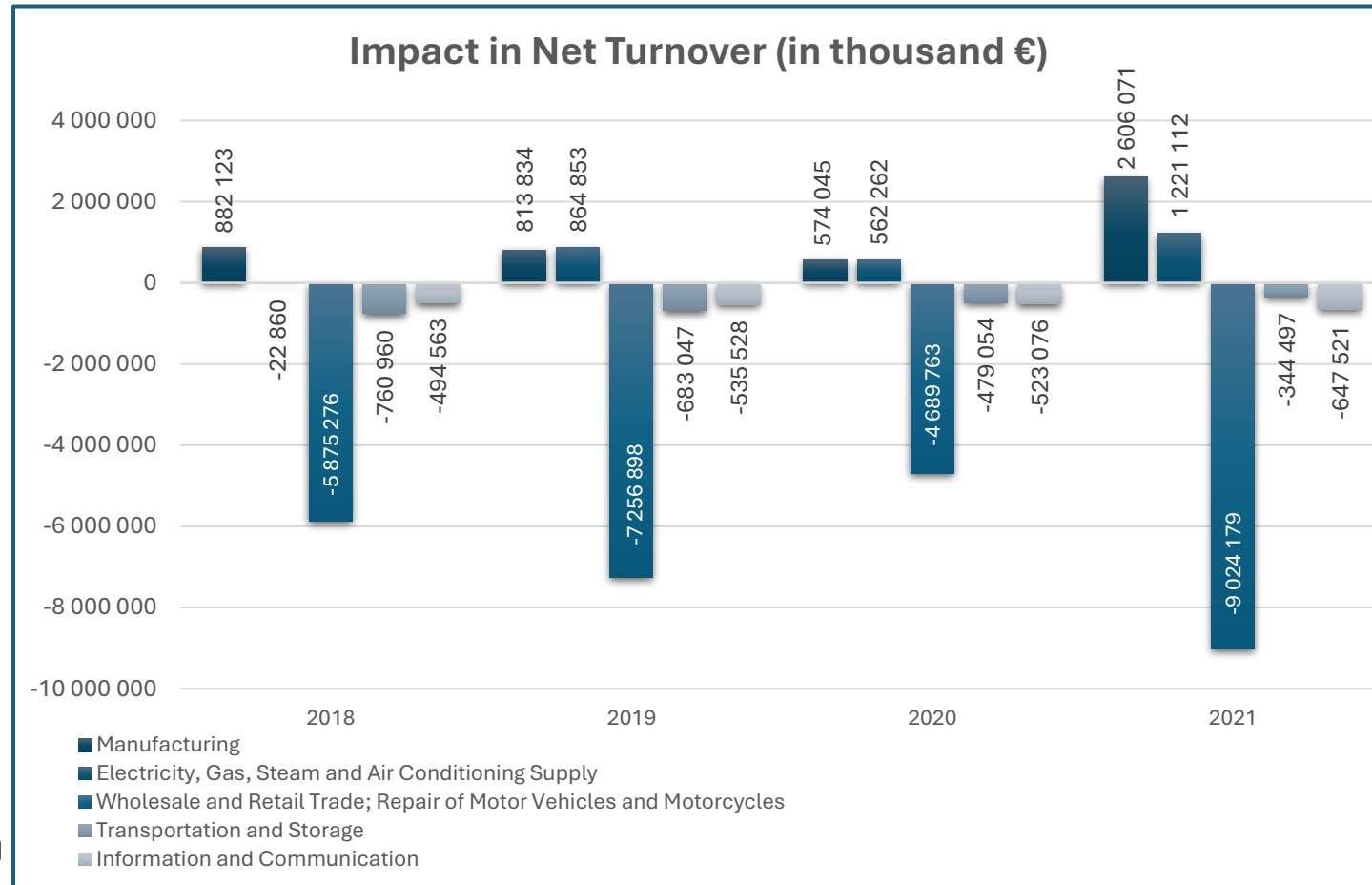

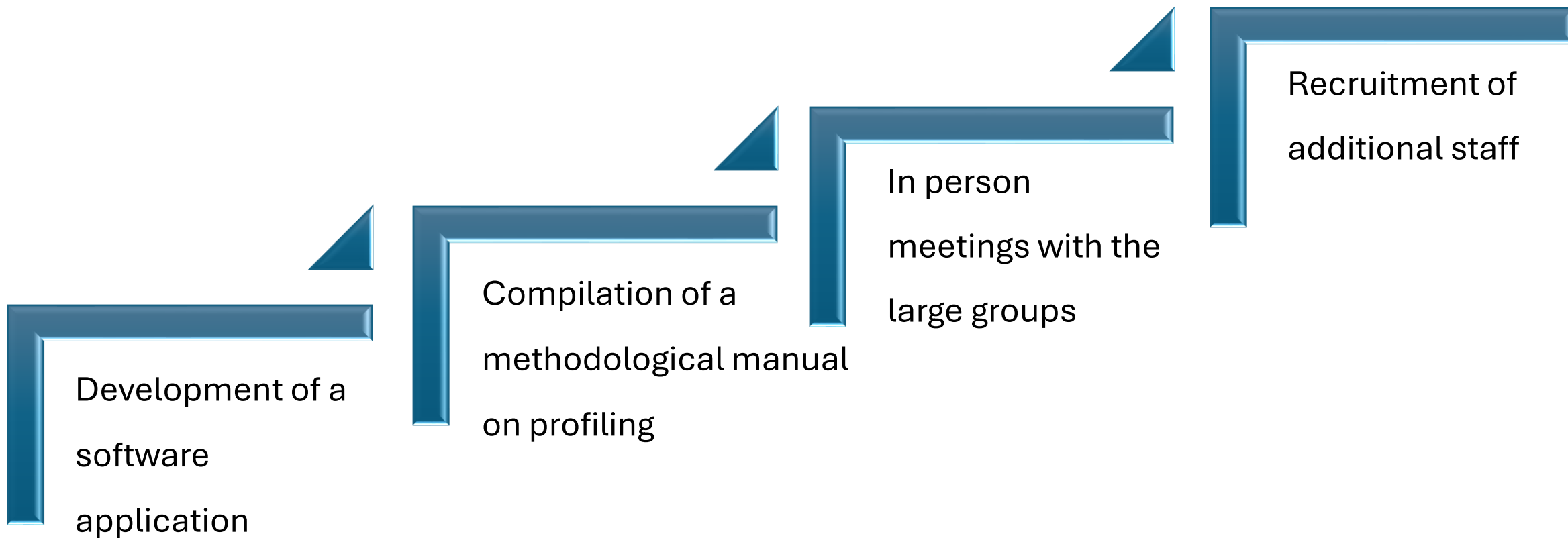**Production Value**

Total Investments

Impact of the implementation of the Statistical Unit Enterprise in the SBS results

The economic activities mostly affected by the implementation of the Statistical Unit Enterprise in terms of turnover are:

➤ **Section C**: Manufacturing

➤ **Section D**: Electricity, Gas, Steam and Air Conditioning Supply

➤ **Section G**: Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles

➤ **Section H**: Transportation and Storage

➤ **Section J**: Information and Communication

Impact in Net Turnover (in thousand €)

Year	Manufacturing	Electricity, Gas, Steam and Air Conditioning Supply	Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles	Transportation and Storage	Information and Communication
2018	882 123	-22 860	-5 875 276	-760 960	-494 563
2019	813 834	864 853	-7 256 898	-683 047	-535 528
2020	574 045	562 262	-4 689 763	-479 054	-523 076
2021	2 606 071	1 221 112	-9 024 179	-344 497	-647 521

Legend:
- ■ Manufacturing
- ■ Electricity, Gas, Steam and Air Conditioning Supply
- ■ Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles
- ■ Transportation and Storage
- ■ Information and Communication

Way forward

Development of a software application

Compilation of a methodological manual on profiling

In person meetings with the large groups

Recruitment of additional staff

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Thank you!

Do you have any questions?

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