



**SHORT-TERM INDICES OF EMPLOYMENT
(PERSONS EMPLOYED, HOURS WORKED, GROSS WAGES AND SALARIES)
IN MAIN SECTIONS OF THE ECONOMY¹ AND RETAIL TRADE²:
1st Quarter 2023 (Provisional Data)**

The Hellenic Statistical Authority (ELSTAT) announces data on Short-term Indices of Employment (Persons Employed, Hours Worked and Gross Wages and Salaries) without adjustment (seasonal or adjustment for the number of working days) in main sections of the economy for the 1st quarter 2023.

The evolution of the Short-term Indices of Employment in the 1st quarter 2023* in comparison to the corresponding indices of the 1st quarter 2022 is as follows:

NACE Rev. 2	Section of economic activity	Annual rate of change (%) (2023/2022)		
		Index of Persons Employed	Index of Hours Worked	Index of Gross Wages and Salaries
B	Mining and Quarrying	0.8	8.7	4.3
C	Manufacturing	5.1	2.9	3.9
D	Electricity, Gas, Steam and Air Conditioning Supply	3.1	-0.2	9.2
E	Water Supply, Sewerage, Waste Management and Remediation Activities	1.0	3.4	4.4
F	Construction	13.3	6.4	20.0
G	Wholesale and Retail Trade, Repair of Motor Vehicles and Motorcycles	0.1	2.8	9.0
H	Transportation and Storage	1.1	5.6	21.1
I	Accommodation and Food Service Activities	-24.1	-25.0	-12.9
J	Information and Communication	8.1	6.1	21.2
M	Professional, Scientific and Technical Activities	28.2	27.0	29.8
N	Administrative and Support Service Activities	19.1	24.5	17.1

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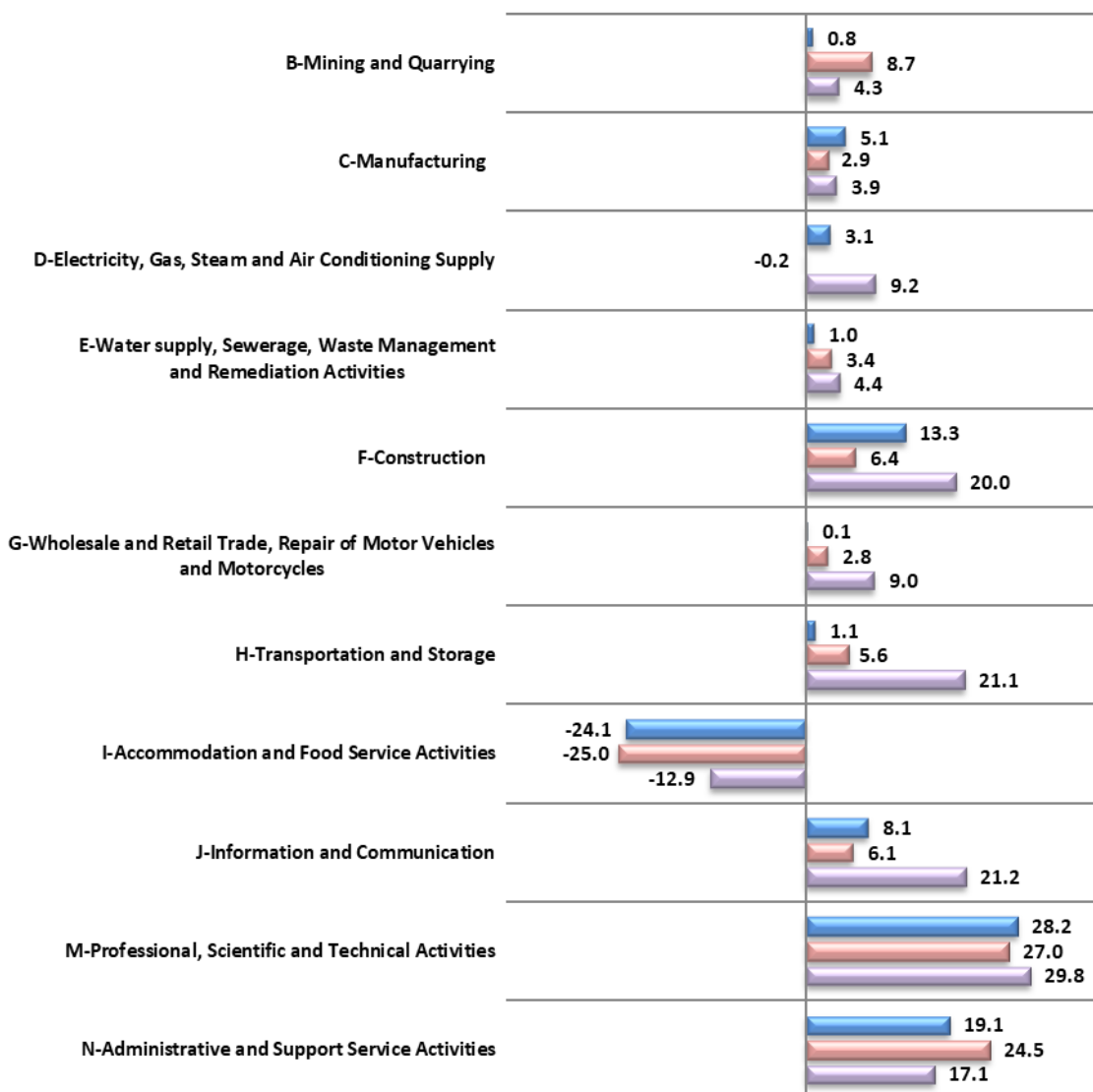
*Provisional data

¹ It refers to eleven main sections of the statistical classification of economic activities NACE Rev. 2 of EU, namely B-E (Mining and Quarrying, Manufacturing, Electricity Supply and Water Supply), F (Construction), G (Trade), H-J and M-N (Other Services).

² It refers to Division 47 "Retail trade, except of motor vehicles and motorcycles" of the statistical classification of economic activities NACE Rev. 2 of EU.

Graph 1. Annual rate of change (%) (1st quarter 2023/2022)

■ Index of Persons Employed ■ Index of Hours Worked ■ Index of Gross Wages and Salaries



In the following tables, the Short-term Indices of Persons Employed, Hours Worked and Gross Wages and Salaries without adjustment (seasonal or adjustment for the number of working days) are presented analytically in eleven main sections of the NACE Rev. 2 statistical classification of economic activities. Furthermore, data on the annual and quarterly rates of change of each index are presented, for the years 2022 - 2023 (1st quarter).

In the Graphs 2 to 13 that follow, the evolution over time of the Indices of Persons Employed, Hours Worked and Gross Wages and Salaries broken down by NACE Rev. 2 section, for the years 2020 – 2023 (1st quarter) is shown.

Table 1: Short-term Indices of Persons Employed, Hours Worked and Gross Wages and Salaries, annual and quarterly rates of change in main sections of economy, period: 1st quarter 2022 – 1st quarter 2023

(Data not seasonally adjusted and not adjusted for the number of the working days)

Base year: 2015 = 100.0

Year, quarter		Index of Persons Employed			Index of Hours Worked			Index of Gross Wages and Salaries		
		Index	Annual rate of change (%)	Quarterly rate of change (%)	Index	Annual rate of change (%)	Quarterly rate of change (%)	Index	Annual rate of change (%)	Quarterly rate of change (%)
Section B – Mining and Quarrying										
2022	Q1	101.1	-1.2	-0.6	89.2	7.5	-5.1	88.8	-1.8	-38.2
	Q2	104.2	-2.7	3.1	92.0	5.2	3.2	105.7	-1.9	19.0
	Q3	100.2	-4.9	-3.8	86.3	0.0	-6.2	115.5	0.5	9.3
	Q4*	101.6	-0.1	1.4	93.0	-1.0	7.8	131.3	-8.5	13.7
	Annual average*	101.8	-2.2		90.1	2.8		110.3	-3.4	
2023	Q1*	101.9	0.8	0.2	96.9	8.7	4.1	92.7	4.3	-29.4
Section C - Manufacturing										
2022	Q1	115.9	3.7	1.5	124.8	13.3	0.9	122.7	15.3	-19.7
	Q2	114.5	-2.3	-1.2	126.6	6.2	1.4	147.8	11.2	20.4
	Q3	118.5	-2.5	3.4	120.6	-1.6	-4.7	152.3	13.7	3.0
	Q4*	118.1	3.3	-0.3	125.1	1.2	3.7	160.6	5.1	5.5
	Annual average*	116.7	0.5		124.2	4.5		145.9	10.9	
2023	Q1*	121.9	5.1	3.2	128.4	2.9	2.7	127.6	3.9	-20.6
Section D - Electricity, Gas, Steam and Air Conditioning Supply										
2022	Q1	79.2	-10.0	-2.7	90.3	3.9	-1.6	79.8	6.8	-11.8
	Q2	81.4	-7.6	2.7	89.6	2.6	-0.8	87.2	6.3	9.3
	Q3	81.7	-7.1	0.4	84.5	-9.9	-5.7	78.2	-16.9	-10.3
	Q4*	81.5	0.2	-0.1	91.4	-0.4	8.2	111.8	23.6	42.9
	Annual average*	80.9	-6.2		88.9	-1.1		89.2	4.6	
2023	Q1*	81.7	3.1	0.1	90.1	-0.2	-1.4	87.1	9.2	-22.0
Section E - Water Supply, Sewerage, Waste Management and Remediation Activities										
2022	Q1	86.1	2.6	-1.3	108.2	4.9	-1.5	111.4	5.3	-4.3
	Q2	85.4	-0.2	-0.8	109.4	3.8	1.1	114.2	3.2	2.6
	Q3	85.3	-0.1	-0.1	101.5	-3.7	-7.2	113.4	1.8	-0.7
	Q4*	82.6	-5.4	-3.2	108.2	-1.6	6.5	121.5	4.4	7.1
	Annual average*	84.8	-0.8		106.8	0.8		115.1	3.7	
2023	Q1*	87.0	1.0	5.3	111.9	3.4	3.4	116.3	4.4	-4.3
Section F – Construction										
	Q1	71.6	-22.0	-4.3	117.6	-12.4	-2.8	84.9	-10.6	-26.2
	Q2	80.2	7.2	12.0	128.1	6.9	8.9	111.2	16.0	30.9
	Q3	78.6	1.4	-2.0	113.7	-7.5	-11.2	108.0	7.9	-2.9
	Q4*	77.8	4.0	-1.0	118.6	-2.0	4.3	125.6	9.2	16.3
	Annual average*	77.0	-3.4		119.5	-4.0		107.4	5.8	
2023	Q1*	81.1	13.3	4.2	125.2	6.4	5.5	101.9	20.0	-18.9

Table 1: Short-term Indices of Persons Employed, Hours Worked and Gross Wages and Salaries, annual and quarterly rates of change in main sections of economy, period: 1st quarter 2022 - 1st quarter 2023 (continued)

(Data not seasonally adjusted and not adjusted for the number of the working days)

Base year: 2015 = 100.0

Year, quarter		Index of Persons Employed			Index of Hours Worked			Index of Gross Wages and Salaries		
		Index	Annual rate of change (%)	Quarterly rate of change (%)	Index	Annual rate of change (%)	Quarterly rate of change (%)	Index	Annual rate of change (%)	Quarterly rate of change (%)
Section G – Wholesale and Retail Trade, Repair of Motor Vehicles and Motorcycles										
2022	Q1	111.8	1.8	0.7	119.3	14.1	2.2	131.3	14.5	-20.2
	Q2	115.4	-0.1	3.3	125.9	7.9	5.6	162.1	12.4	23.4
	Q3	115.9	3.2	0.4	119.9	4.4	-4.7	159.2	12.5	-1.8
	Q4**	114.2	2.8	-1.5	125.5	7.6	4.6	189.5	15.2	19.0
Annual average**		114.3	1.9		122.7	8.3		160.5	13.7	
2023	Q1*	111.9	0.1	-2.0	122.6	2.8	-2.3	143.2	9.0	-24.4
Section H – Transportation and storage										
2022	Q1	97.6	-0.7	-3.1	90.3	5.4	-1.2	105.3	2.7	-18.7
	Q2	101.8	2.6	4.3	94.7	8.5	4.9	137.1	12.8	30.2
	Q3	101.7	3.3	0.0	88.3	-1.0	-6.8	132.1	16.8	-3.6
	Q4*	98.8	-1.9	-2.9	96.5	5.6	9.3	155.0	19.7	17.3
Annual average*		100.0	0.8		92.4	4.6		132.3	13.5	
2023	Q1*	98.7	1.1	-0.1	95.3	5.6	-1.2	127.5	21.1	-17.7
Section I – Accommodation and Food Service Activities										
2022	Q1	69.4	13.1	0.3	47.6	125.8	-11.2	85.4	162.0	-34.1
	Q2	86.0	25.7	23.9	59.4	87.5	24.9	144.5	128.1	69.1
	Q3	92.0	4.8	7.0	76.3	1.0	28.3	192.5	34.7	33.2
	Q4*	60.3	-12.9	-34.5	43.0	-19.7	-43.6	135.9	4.8	-29.4
Annual average*		76.9	7.3		56.6	24.4		139.6	51.5	
2023	Q1*	52.7	-24.1	-12.6	35.7	-25.0	-17.1	74.4	-12.9	-45.2
Section J – Information and Communication										
2022	Q1	103.0	0.4	-0.3	107.2	10.0	0.7	114.1	19.4	-23.0
	Q2	101.0	-5.4	-2.0	108.6	3.1	1.3	136.2	7.3	19.3
	Q3	102.1	-4.0	1.1	99.9	-3.9	-8.0	142.6	15.1	4.7
	Q4*	107.4	3.9	5.2	110.2	3.5	10.3	160.2	8.0	12.4
Annual average*		103.4	-1.3		106.5	3.0		138.3	11.8	
2023	Q1*	111.4	8.1	3.7	113.8	6.1	3.3	138.4	21.2	-13.6

Table 1: Short-term Indices of Persons Employed, Hours Worked and Gross Wages and Salaries, annual and quarterly rates of change in main sections of economy, period: 1st quarter 2022 - 1st quarter 2023 (continued)

(Data not seasonally adjusted and not adjusted for the number of the working days)

Base year: 2015 = 100.0

Year, quarter	Index of Persons Employed			Index of Hours Worked			Index of Gross Wages and Salaries			
	Index	Annual rate of change (%)	Quarterly rate of change (%)	Index	Annual rate of change (%)	Quarterly rate of change (%)	Index	Annual rate of change (%)	Quarterly rate of change (%)	
Section M - Professional, Scientific and Technical Activities										
2022	Q1	116.2	7.9	-0.04	125.1	17.4	-1.4	117.2	32.4	-16.9
	Q2	116.9	7.9	0.6	127.7	12.8	2.1	140.8	27.9	20.1
	Q3	136.9	23.1	17.1	136.2	12.6	6.6	163.6	51.7	16.1
	Q4*	129.0	11.0	-5.8	147.6	16.4	8.4	185.2	31.2	13.2
	Annual average*	124.8	12.5		134.1	14.8		151.7	35.6	
2023	Q1*	149.0	28.2	15.5	158.9	27.0	7.6	152.2	29.8	-17.8
Section N - Administrative and Support Service Activities										
2022	Q1	70.4	-5.2	0.8	80.4	4.6	-4.7	97.5	14.6	-16.9
	Q2	72.2	0.6	2.6	93.0	20.4	15.6	126.4	33.5	29.7
	Q3	79.9	6.8	10.7	93.4	3.5	0.4	135.2	21.0	6.9
	Q4*	82.9	18.8	3.8	104.1	23.4	11.5	153.2	30.7	13.3
	Annual average*	76.3	5.1		92.7	12.8		128.0	25.3	
2023	Q1*	83.8	19.1	1.1	100.1	24.5	-3.8	114.1	17.1	-25.5

*Provisional data **Revised data

Note: The indices and the percentage changes are rounded up to one decimal digit when published. Any difference in the percentage changes is due to rounding.

Table 2: Short-term Indices of Persons Employed, Hours Worked and Gross Wages and Salaries, annual and quarterly rates of change in Retail Trade (division 47), period: 1st quarter 2022 – 1st quarter 2023

(Data not seasonally adjusted and not adjusted for the number of the working days)

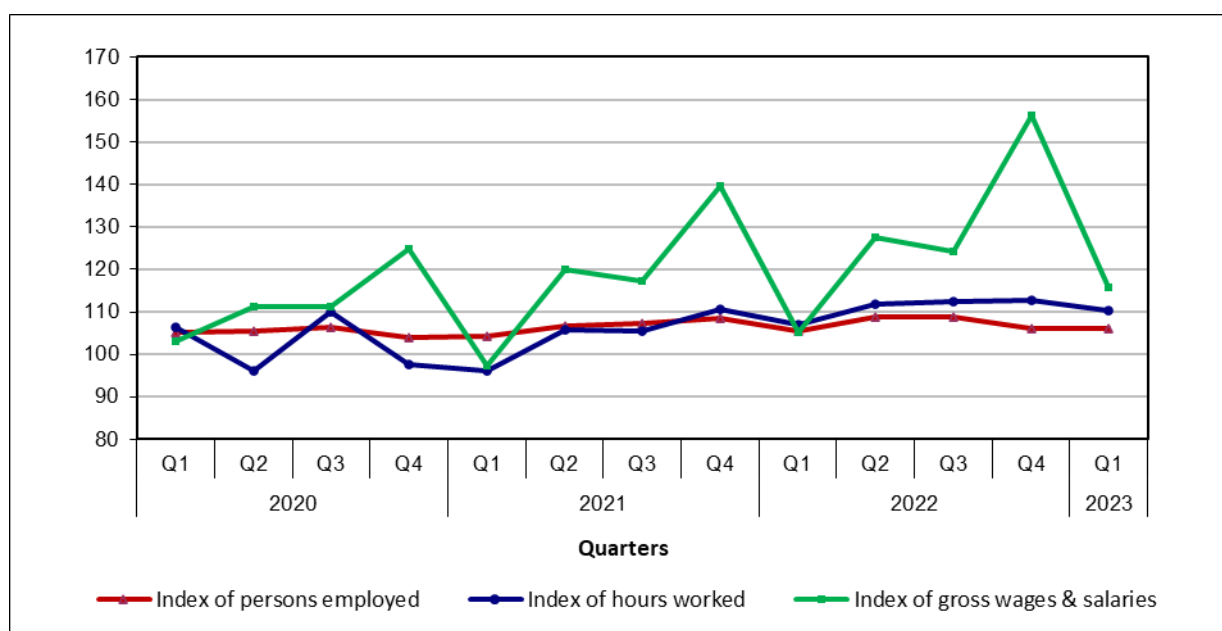
Base year: 2015 = 100.0

Year, quarter	Index of Persons Employed			Index of Hours Worked			Index of Gross Wages and Salaries		
	Index	Annual rate of change (%)	Quarterly rate of change (%)	Index	Annual rate of change (%)	Quarterly rate of change (%)	Index	Annual rate of change (%)	Quarterly rate of change (%)
2022: Q1	105.6	1.2	-2.7	106.9	11.4	-3.3	105.2	8.0	-24.7
Q2	108.8	1.9	3.0	111.7	5.7	4.5	127.4	6.2	21.1
Q3	108.8	1.5	0.0	112.5	6.6	0.7	124.1	5.7	-2.6
Q4**	105.9	-2.4	-2.7	112.8	2.0	0.3	156.1	11.7	25.8
Annual average	107.3	0.6		111.0	6.3		128.2	8.1	
2023: Q1*	106.1	0.5	0.1	110.4	3.3	-2.0	115.8	10.1	-25.8

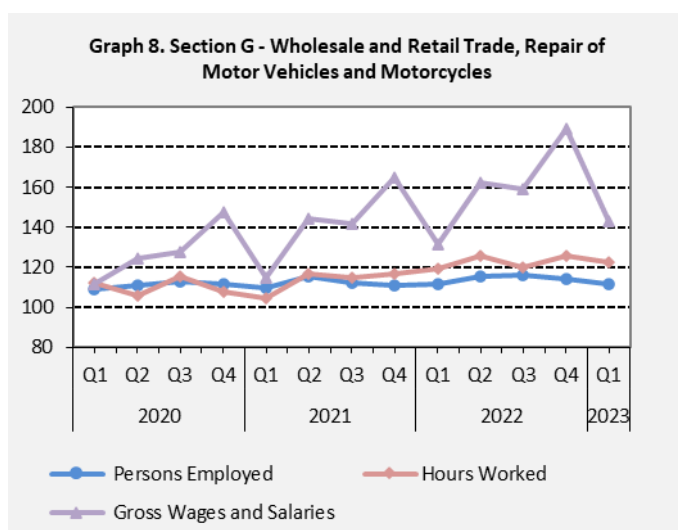
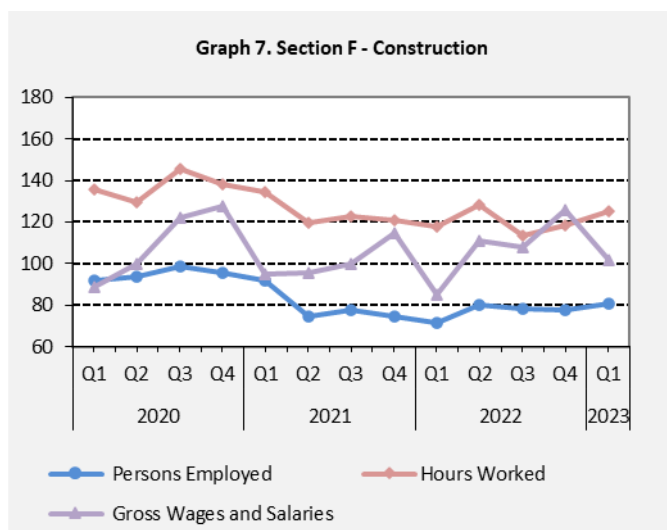
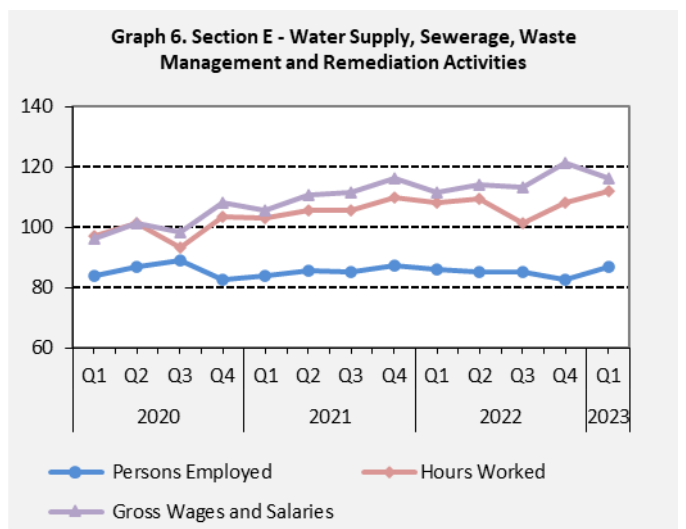
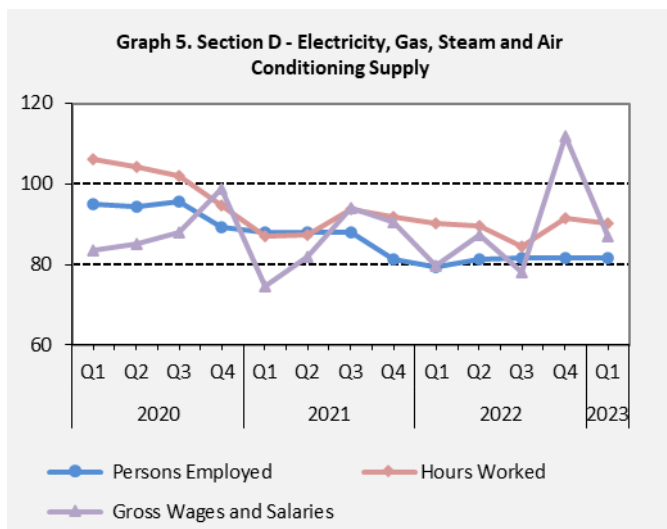
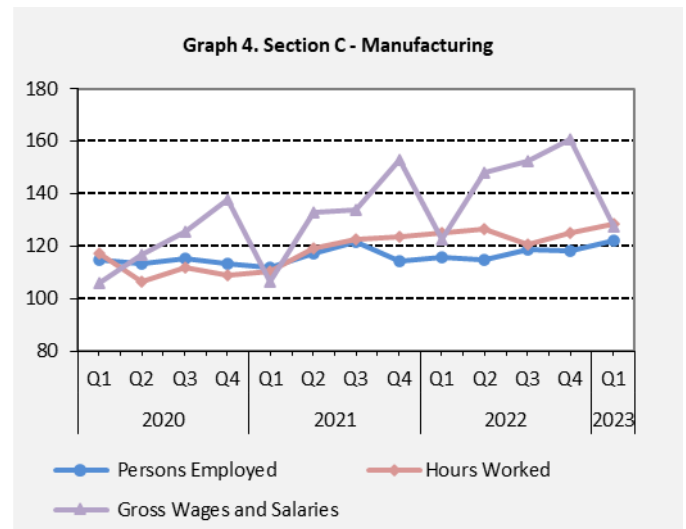
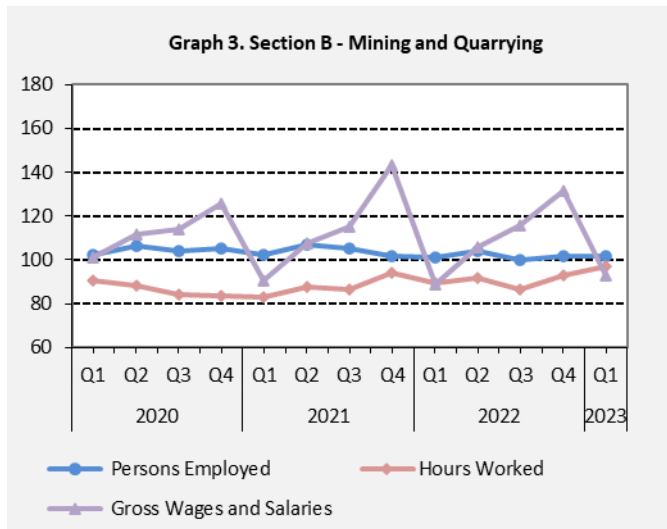
*Provisional data **Revised data

Note: The indices and the percentage changes are rounded up to one decimal digit when published. Any difference in the percentage changes is due to rounding.

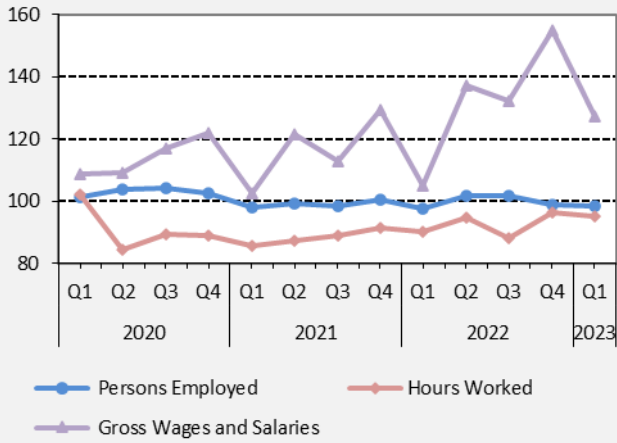
Graph 2. Evolution of Short-term Indices of Persons Employed, Hours Worked and Gross Wages and Salaries in Retail Trade, for the years 2020 – 2023 (2015=100.0)



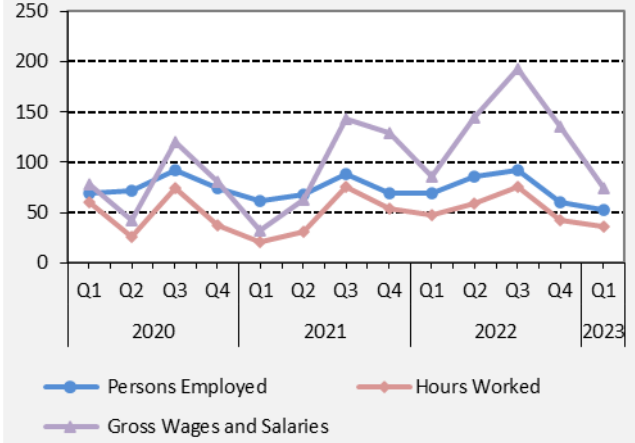
Graphs 3-13: Evolution of the Indices of Persons Employed, Hours Worked and Gross Wages and Salaries in main sections of economy, for the years 2020 – 2023, (2015=100.0)



Graph 9. Section H - Transportation and Storage



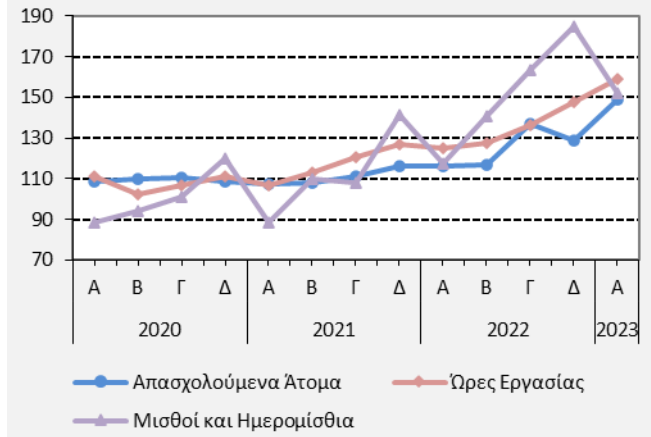
Graph 10. Section I - Accommodation and Food Service Activities



Graph 11. Section J - Information and Communication



Γράφημα 12. Τομέας Μ - Επαγγελματικές, Επιστημονικές και Τεχνικές Δραστηριότητες



Graph 13. Section N - Administrative and Support Service Activities



METHODOLOGICAL NOTES

Generally The Short-term Indices of Employment (Persons Employed, Hours Worked and Gross Wages and Salaries) are quarterly indices in eleven main sections of economic activities B to E (Mining and Quarrying, Manufacturing, Electricity Supply and Water Supply), F (Construction), G (Trade), H to J and M to N (Other Services) of the statistical classification of economic activities NACE Rev. 2 of EU, with base year 2015=100.0.

The index of persons employed in retail trade is a quarterly index that was first compiled in 2004 with base year 2000=100.0, while the indices of hours worked, gross wages and salaries are quarterly indices that were first compiled in March 2016 with base year 2010=100.0.

Purpose of the indices The purpose of the indices is to present the evolution of Persons Employed, Hours Worked by Employees and Gross Wages and Salaries on a quarterly basis in eleven main sections (and the division 47 of Retail Trade) of economic activities B to E (Mining and Quarrying, Manufacturing, Electricity Supply and Water Supply), F (Construction), G (Trade), H to J and M to N (Other Services) of the statistical classification NACE Rev. 2.

Legal Framework The Short-term Indices of Employment (Persons Employed, Hours Worked and Gross Wages and Salaries) are compiled in the framework of the implementation of Council Regulation (EC) No 1165/1998 concerning short-term statistics (STS-R), Regulation (EC) No 1158/2005 of the European Parliament and of the Council, as well as Commission Regulation (EC) No 329/2009 both amending Council Regulation (EC) No 1165/1998. Furthermore, the indices are governed by Regulation (EU) No 2019/2152 of the European Parliament and of the Council on European business statistics, as well as Commission Implementing Regulation (EU) No 2020/1197 laying down technical specifications and arrangements pursuant to Regulation (EU) No 2019/2152. Finally, for the compilation of the aforementioned indices, Regulation (EC) No 1893/2006 of the European Parliament and of the Council establishing the statistical classification of economic activities NACE Rev. 2.

Geographical coverage Greece, total.

Reference Period Quarter.

Base year 2015=100.0.

Revision The latest revision of the Short-term Indices of Employment (base year 2015=100.0) took place in the implementation framework of Council Regulation (EC) No 1165/1998. In accordance with this regulation the index is revised every five years, in years ending in 0 or 5. The purpose of the revision is to adapt the indices to the latest developments in the employment structure in the sectors of economic activity.

Definitions As **Number of Persons Employed** is defined the total number of persons employed in the enterprise, irrespectively of their status (owners, partners and their family members) and the nature of their work (managers, sales persons and auxiliary staff) and irrespectively of whether they work temporarily or seasonally, full-time or part-time employment, with or without remuneration.

As **Hours Worked** is defined the total number of hours actually worked in the enterprise by Employees during the reference quarter. It includes hours actually worked during regular working hours; hours worked overtime, whether paid or unpaid; hours worked during nights, Sundays or public holidays. It also includes the time which is spent at the place of work on tasks such as preparing the site and time corresponding to short periods of rest at the work place. This variable excludes hours paid but not actually worked such as for annual leave, holidays and sickness leave.

As **Wages and Salaries** is defined the total remuneration, in cash or in kind, payable to all persons counted on the payroll, in return for work done.

Statistical Classification The statistical classification of economic activities NACE Rev. 2 of EU is used.

Coverage of NACE Rev.2 sections of economic activity

B	Mining and Quarrying
C	Manufacturing
D	Electricity, Gas, Steam and Air Conditioning Supply
E	Water Supply, Sewerage, Waste Management and Remediation Activities
F	Construction
G	Wholesale and Retail Trade, Repair of Motor Vehicles and Motorcycles
H	Transportation and Storage
I	Accommodation and Food Service Activities
J	Information and Communication
M	Professional, Scientific and Technical Activities
N	Administrative and Support Service Activities

Calculation of the indices

The Short-term Indices of Employment are calculated by applying the chaining method. Firstly, the moving base index is calculated by comparing the estimated value (number of persons employed, hours worked, wages and salaries) for the current quarter with the corresponding value of the previous quarter. Afterwards, the fixed base index for the current quarter is calculated by multiplying the moving base index by the fixed base index of the previous quarter.

Employment Indices in division 47 of Retail Trade

Compiled index series: Concerning the index of persons employed, from the 1st quarter 2000 onwards, four time series are compiled as follows: 1) Overall Index, 2) Overall Index (excluding the persons employed in the automotive fuel sector), 3) Index of persons employed in the food sector and 4) Overall Index of persons employed in the non-food sector except automotive fuel.

Concerning, the time series of the hours worked, wages and salaries indices are compiled from 1st quarter 2010 onwards. The above time series are published on ELSTAT's website:

<https://www.statistics.gr/en/statistics/-/publication/DKT12/>

Publication of data: The time series of the Index of persons employed in retail trade (2015=100.0) have been published since December 2018 (3rd quarter 2018), with revised data since 1st quarter 2000. The time series of the hours worked, and wages and salaries indices (2015=100.0) have been published since December 2018 (3rd quarter 2018), with retrospective data since 1st quarter 2010.

In the revised results of 4th Quarter 2022, published in the current Announcement, newly collected data of enterprises have been incorporated.

References

More information on the methodology concerning the compilation and calculation of the indices and for the time series is available on ELSTAT's website:

<http://www.statistics.gr/en/statistics/-/publication/DKT03/>

<http://www.statistics.gr/en/statistics/-/publication/DKT12/>