



PRESS RELEASE

SHORT-TERM INDICES OF EMPLOYMENT (PERSONS EMPLOYED, HOURS WORKED, GROSS WAGES AND SALARIES) IN MAIN SECTIONS OF THE ECONOMY¹ AND RETAIL TRADE²: 3rd Quarter 2022

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 3rd quarter 2022.

The evolution of the Short-term Indices of Employment in the 3rd quarter 2022 in comparison to the corresponding indices of the 3rd quarter 2021 is as follows:

NACE Rev. 2	Section of economic activity	Annual rate of change (%) (2022/2021)		
		Index of Persons Employed	Index of Hours Worked	Index of Gross Wages and Salaries
B	Mining and Quarrying	-4.9	0.0	0.5
C	Manufacturing	-2.5	-1.6	13.7
D	Electricity, Gas, Steam and Air Conditioning Supply	-7.1	-9.9	-16.9
E	Water Supply, Sewerage, Waste Management and Remediation Activities	-0.1	-3.7	1.8
F	Construction	1.4	-7.5	7.9
G	Wholesale and Retail Trade, Repair of Motor Vehicles and Motorcycles	2.9	3.9	12.5
H	Transportation and Storage	3.3	-1.0	16.8
I	Accommodation and Food Service Activities	4.8	1.0	34.7
J	Information and Communication	-4.0	-3.9	15.1
M	Professional, Scientific and Technical Activities	23.1	12.6	51.7
N	Administrative and Support Service Activities	6.8	3.5	21.0

Information on methodological issues:

Business Statistics Division
Manufacture-Construction Indices and Industrial Products Section
Head of the Section: Diamantaki Aikaterini
Trade and Services Indices Section
Head of the Section: Thomas Konstantinos
Tel: +30 213 135 2056, 2048
E-mail: a.diamantaki@statistics.gr, k.thomas@statistics.gr

Information on data provision:

Tel: +30 213 135 2022, 2308, 2310
E-mail: data.dissem@statistics.gr

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).

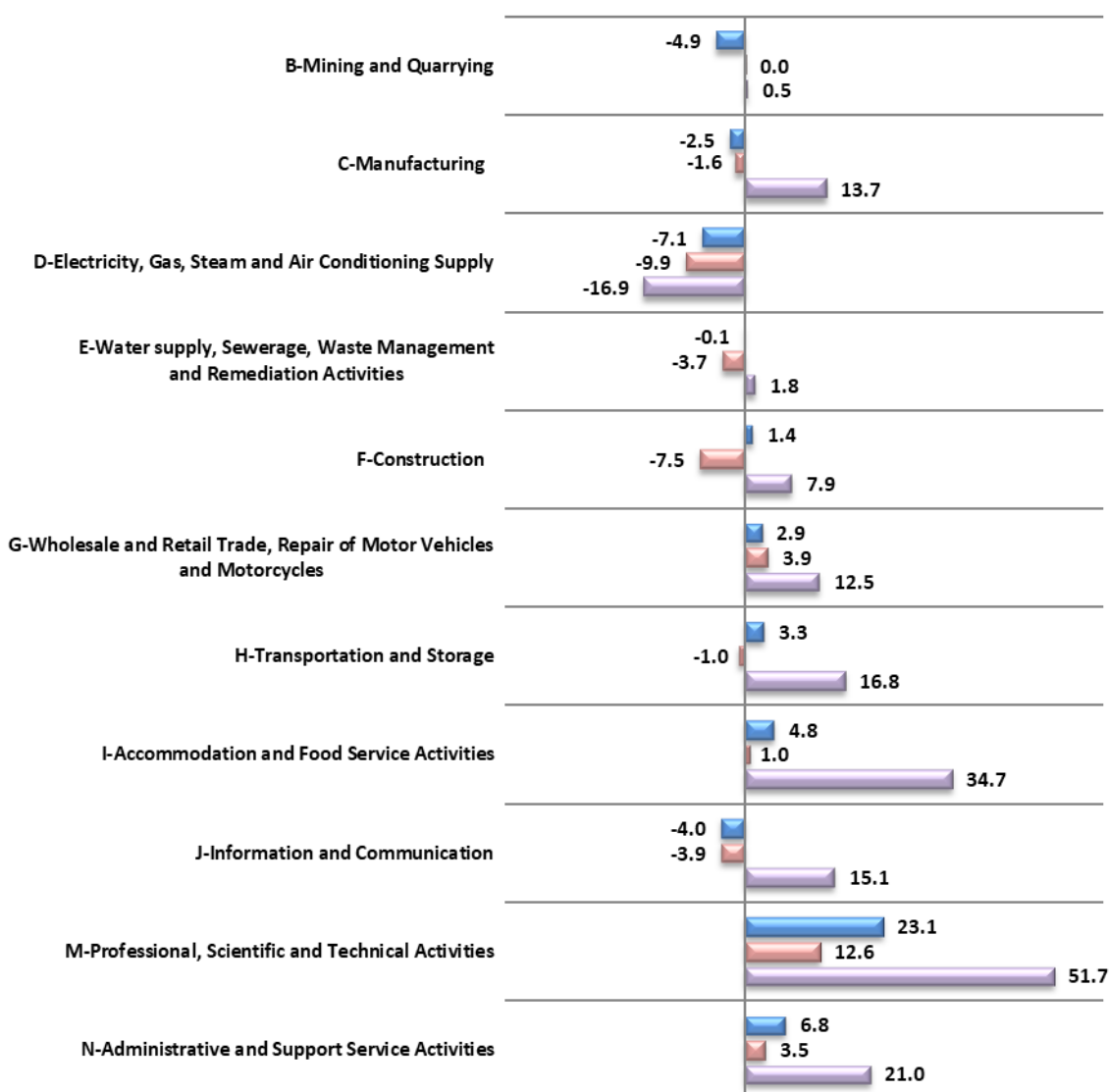
² It refers to Division 47 "Retail trade, except of motor vehicles and motorcycles" of the statistical classification of economic activities NACE Rev. 2 of EU.

Graph 1. Annual rate of change (%) (3rd quarter 2022/2021)

■ 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 2021 - 2022 (3rd 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 2019 – 2022 (3rd 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 2021 – 3rd quarter 2022

(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										
2021	Q1	102.3	0.1	-2.9	82.9	-8.2	-0.9	90.4	-10.4	-28.0
	Q2	107.0	0.8	4.7	87.5	-0.7	5.5	107.7	-3.7	19.2
	Q3	105.4	1.1	-1.6	86.3	2.8	-1.3	115.0	0.9	6.7
	Q4	101.7	-3.4	-3.5	94.0	12.3	8.9	143.6	14.3	24.9
Annual average		104.1	-0.4		87.7	1.3		114.2	1.0	
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
Section C - Manufacturing										
2021	Q1	111.8	-2.5	-1.3	110.1	-5.9	1.1	106.5	0.3	-22.7
	Q2	117.2	3.5	4.8	119.1	11.9	8.2	132.9	13.8	24.8
	Q3	121.4	5.3	3.6	122.5	9.4	2.9	133.9	6.6	0.8
	Q4	114.3	0.8	-5.9	123.6	13.5	0.9	152.8	10.9	14.1
Annual average		116.2	1.8		118.8	7.0		131.5	8.2	
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
Section D - Electricity, Gas, Steam and Air Conditioning Supply										
2021	Q1	88.0	-7.3	-1.2	86.9	-18.2	-8.2	74.7	-10.6	-24.4
	Q2	88.1	-6.5	0.1	87.3	-16.3	0.5	82.1	-3.6	9.8
	Q3	87.9	-8.0	-0.2	93.7	-8.0	7.3	94.1	7.0	14.7
	Q4	81.4	-8.7	-7.4	91.7	-3.0	-2.1	90.4	-8.6	-3.9
Annual average		86.3	-7.6		89.9	-11.7		85.3	-4.0	
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
Section E - Water Supply, Sewerage, Waste Management and Remediation Activities										
2021	Q1	83.9	-0.2	1.7	103.2	6.4	-0.3	105.8	9.7	-2.4
	Q2	85.6	-1.5	2.0	105.4	4.1	2.2	110.7	9.4	4.7
	Q3	85.4	-4.2	-0.3	105.5	13.0	0.1	111.4	13.3	0.6
	Q4	87.2	5.7	2.2	109.9	6.2	4.2	116.3	7.4	4.4
Annual average		85.5	-0.2		106.0	7.3		111.0	9.9	
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

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 2021 - 3rd quarter 2022 (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 F – Construction										
2021	Q1	91.8	-0.2	-4.1	134.3	-1.1	-2.7	94.9	6.6	-25.6
	Q2	74.8	-20.5	-18.5	119.8	-7.4	-10.8	95.9	-4.2	1.0
	Q3	77.5	-21.5	3.6	123.0	-15.6	2.7	100.1	-17.9	4.4
	Q4	74.7	-21.9	-3.5	121.0	-12.3	-1.6	115.0	-9.8	14.9
Annual average		79.7	-16.2		124.5	-9.2		101.5	-7.4	
2022	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
Section G – Wholesale and Retail Trade, Repair of Motor Vehicles and Motorcycles										
2021	Q1	109.8	0.9	-1.3	104.5	-6.9	-3.0	114.7	2.9	-22.4
	Q2	115.5	4.1	5.1	116.7	10.3	11.7	144.3	15.7	25.8
	Q3	112.3	-0.6	-2.7	114.9	-0.3	-1.5	141.5	11.1	-2.0
	Q4	111.0	-0.3	-1.2	116.7	8.4	1.5	164.5	11.4	16.3
Annual average		112.2	1.0		113.2	2.7		141.3	10.5	
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	115.6	2.9	0.1	119.4	3.9	-5.1	159.2	12.5	-1.8
Section H – Transportation and storage										
2021	Q1	98.3	-3.3	-4.2	85.6	-16.2	-3.7	102.5	-5.9	-16.1
	Q2	99.2	-4.5	0.9	87.2	3.1	1.9	121.5	11.2	18.5
	Q3	98.5	-5.6	-0.7	89.1	-0.5	2.2	113.1	-3.4	-7.0
	Q4	100.7	-1.8	2.2	91.3	2.7	2.4	129.4	6.0	14.5
Annual average		99.1	-3.8		88.3	-3.3		116.6	2.0	
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
Section I - Accommodation and Food Service Activities										
2021	Q1	61.4	-10.7	-17.0	21.1	-65.2	-43.9	32.6	-58.3	-59.7
	Q2	68.4	-5.2	11.4	31.7	23.3	50.5	63.3	46.7	94.2
	Q3	87.8	-5.4	28.4	75.5	2.0	138.2	142.9	19.0	125.7
	Q4	69.2	-6.5	-21.2	53.6	42.6	-29.0	129.7	60.2	-9.2
Annual average		71.7	-6.8		45.5	-8.1		92.1	14.4	
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

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 2021 - 3rd quarter 2022 (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 J - Information and Communication										
2021	Q1	102.6	-11.4	-12.3	97.5	-18.5	-16.3	95.6	-9.8	-36.3
	Q2	106.8	-5.0	4.0	105.3	0.7	8.0	126.9	9.6	32.8
	Q3	106.4	-3.9	-0.4	104.0	-0.4	-1.3	123.9	6.5	-2.3
	Q4	103.4	-11.7	-2.8	106.5	-8.7	2.4	148.3	-1.1	19.7
Annual average		104.8	-8.1		103.3	-7.2		123.7	1.4	
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
Section M - Professional, Scientific and Technical Activities										
2021	Q1	107.6	-1.2	-0.9	106.5	-4.2	-4.1	88.6	0.1	-26.1
	Q2	108.3	-1.2	0.7	113.2	10.8	6.3	110.1	17.1	24.2
	Q3	111.2	0.4	2.6	120.9	13.1	6.8	107.8	6.4	-2.0
	Q4	116.2	7.1	4.5	126.9	14.2	4.9	141.1	17.7	30.9
Annual average		110.9	1.2		116.9	8.4		111.9	10.9	
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
Section N - Administrative and Support Service Activities										
2021	Q1	74.2	-5.6	0.2	76.9	-5.5	-2.0	85.1	12.0	-17.3
	Q2	71.8	-11.5	-3.3	77.3	2.4	0.5	94.7	14.9	11.3
	Q3	74.8	-10.7	4.2	90.2	8.7	16.8	111.7	17.1	17.9
	Q4	69.8	-5.8	-6.6	84.4	7.6	-6.5	117.2	14.0	5.0
Annual average		72.6	-8.5		82.2	3.3		102.2	14.6	
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

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 2021 – 3rd quarter 2022

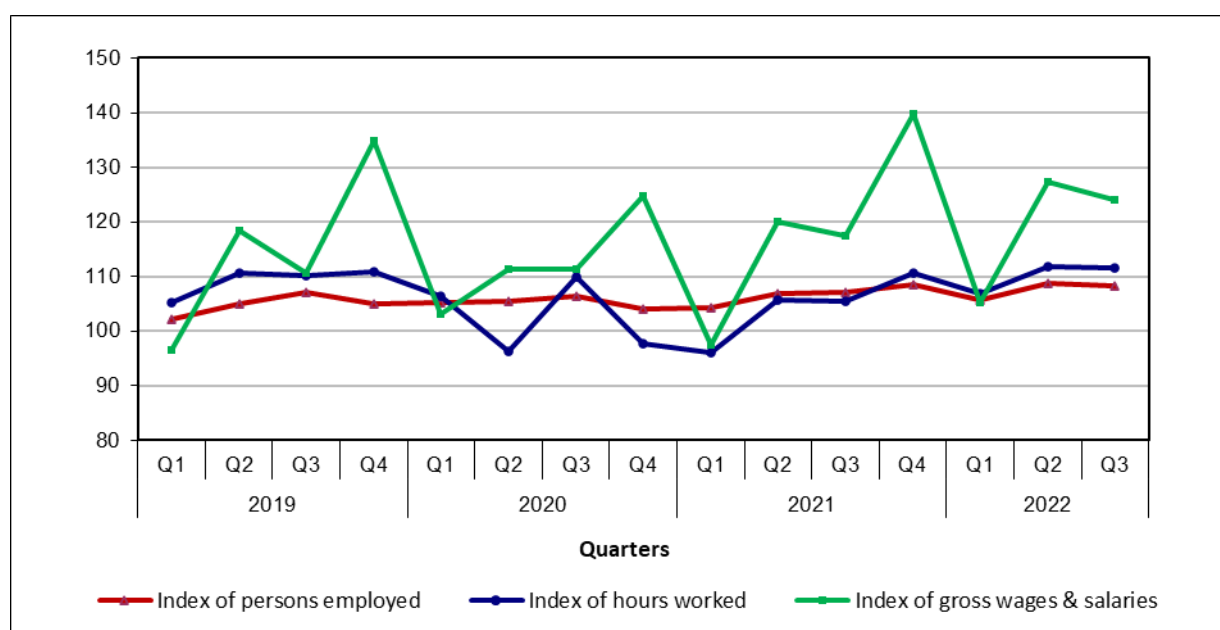
(Data not seasonally adjusted and not adjusted for the number of the working days)

Base year: 2015 = 100.0

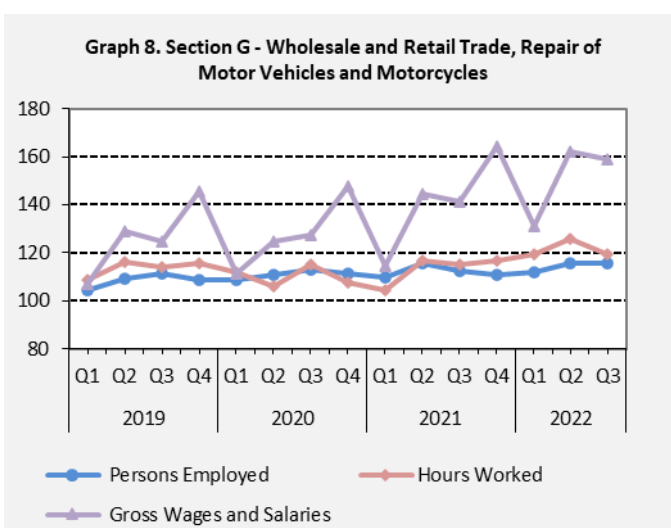
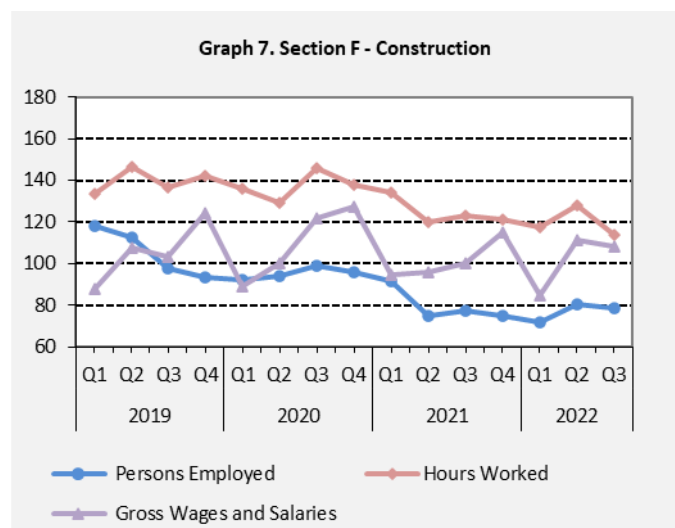
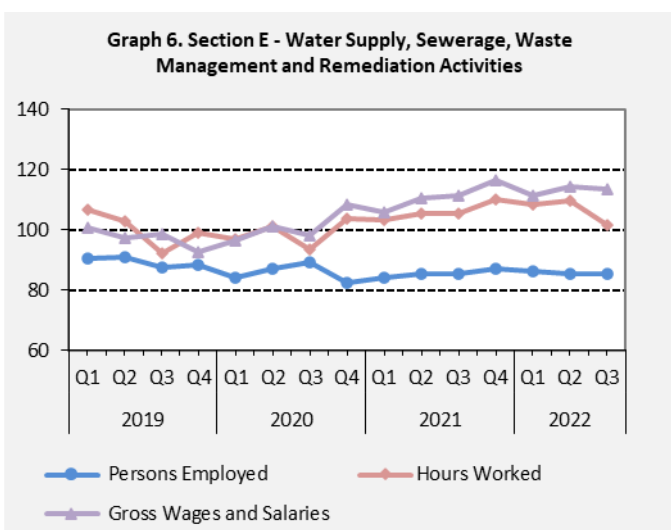
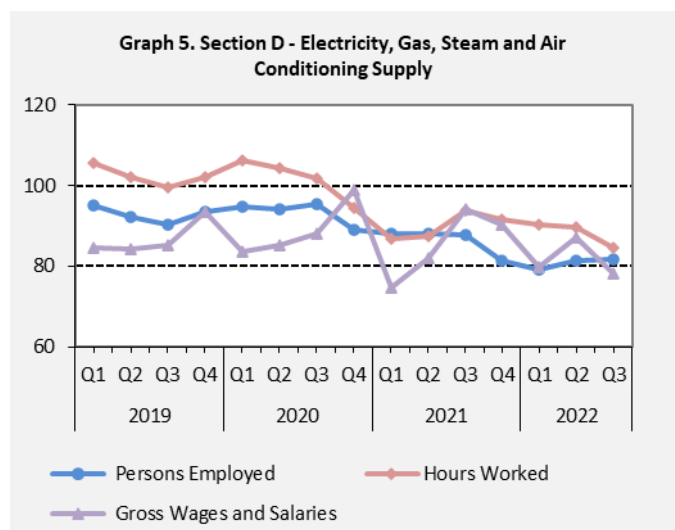
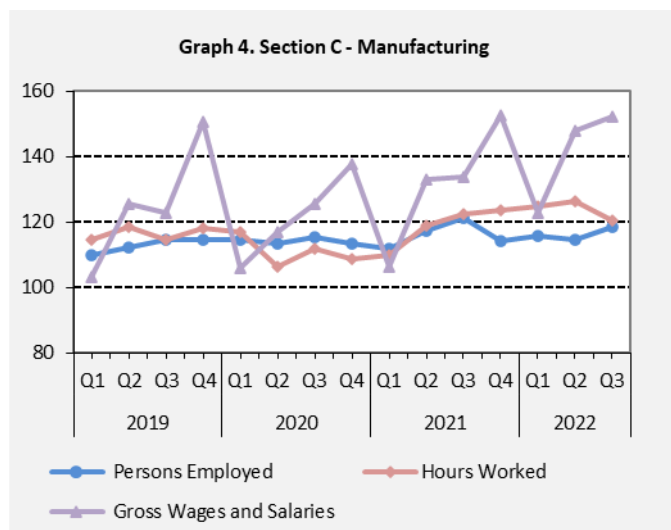
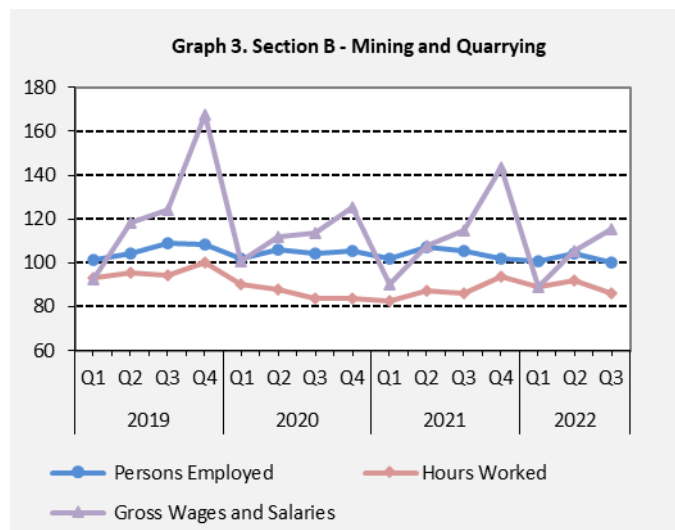
Year, quarter		Index of Persons Employed			Index of Hours Worked			Index of Gross Wages and Salaries		
		Index	Annual rate of change (%)	Quarterly rate of change (%)	Index	Annual rate of change (%)	Quarterly rate of change (%)	Index	Annual rate of change (%)	Quarterly rate of change (%)
2021:	Q1	104.3	-0.9	0.2	96.0	-9.9	-1.8	97.4	-5.6	-21.9
	Q2	106.8	1.3	2.4	105.7	9.9	10.1	120.0	7.9	23.2
	Q3	107.2	0.7	0.4	105.5	-4.1	-0.2	117.4	5.4	-2.2
	Q4	108.5	4.2	1.2	110.6	13.1	4.8	139.7	12.0	19.0
Annual average		106.7	1.3		104.4	1.8		118.6	5.3	
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	108.3	1.0	-0.5	111.6	5.8	-0.1	124.1	5.7	-2.6

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.

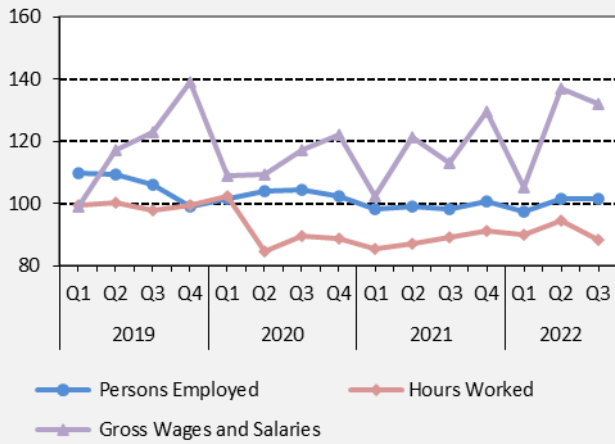
Graph 2. Evolution of Short-term Indices of Persons Employed, Hours Worked and Gross Wages and Salaries in Retail Trade, for the years 2019 – 2022 (Q3) (2015=100.0)



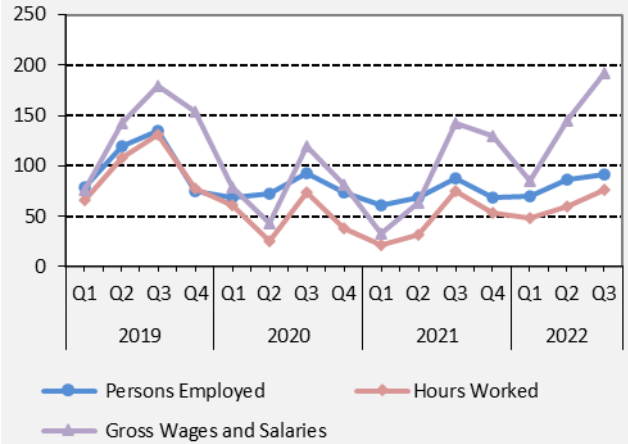
Graphs 3-13: Evolution of the Indices of Persons Employed, Hours Worked and Gross Wages and Salaries in main sections of economy, for the years 2019 – 2022 (Q3), (2015=100.0)



Graph 9. Section H - Transportation and Storage



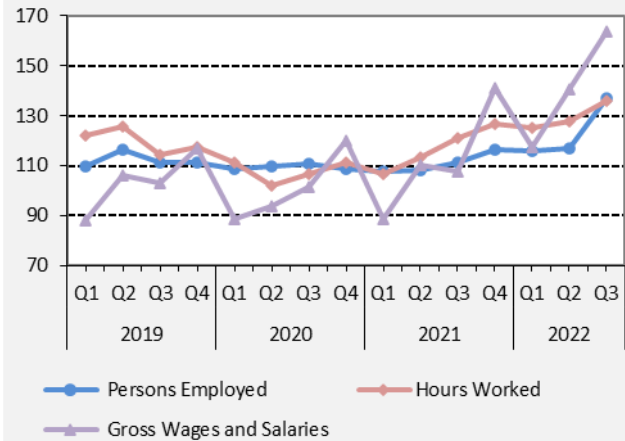
Graph 10. Section I - Accommodation and Food Service Activities



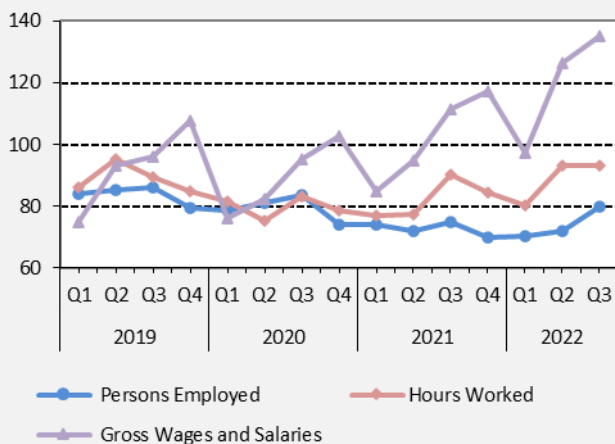
Graph 11. Section J - Information and Communication



Graph 12. Section M - Professional, Scientific and Technical Activities



Graph 13. Section N - Administrative and Support Service Activities



METHODOLOGICAL NOTES

Generally	<p>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.</p> <p>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.</p>
Purpose of the indices	<p>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.</p>
Legal Framework	<p>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.</p>
Geographical coverage	Greece, total.
Reference Period	Quarter.
Base year	2015=100.0.
Revision	<p>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.</p>
Definitions	<p>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.</p> <p>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.</p> <p>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.</p>
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
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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.

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/>