



HELLENIC REPUBLIC HELLENIC STATISTICAL AUTHORITY

Piraeus, 6 December 2023

# QUARTERLY NATIONAL ACCOUNTS 3<sup>rd</sup> Quarter 2023/3<sup>rd</sup> Quarter 2022: +2.1% (Provisional data, seasonally adjusted data in volume terms) & revision of quarters 1<sup>st</sup> quarter 2019 – 2<sup>nd</sup> quarter 2023

The Hellenic Statistical Authority (ELSTAT) announces the Gross Domestic Product (GDP) for the 3<sup>rd</sup> quarter of 2023 (provisional data).

The available **seasonally adjusted data**<sup>1</sup> indicate that in the 3<sup>rd</sup> quarter of 2023 the Gross Domestic Product (GDP) in volume terms increased by 0.02% in comparison with the 2<sup>nd</sup> quarter of 2023, while in comparison with the 3<sup>rd</sup> quarter of 2022, it increased by 2.1% (Table 1).

The available **non-seasonally adjusted data** indicate that in the 3<sup>rd</sup> quarter of 2023 the Gross Domestic Product (GDP) in volume<sup>2</sup> terms increased by 1.8% in comparison with the 3<sup>rd</sup> quarter of 2022 (Table 2).

It is noted that GDP of the quarters of the years 2019-2022 as well as the previous two quarters of the current year (1<sup>st</sup> quarter 2019 - 2<sup>nd</sup> quarter 2023) has been revised on account of benchmarking of quarterly national accounts to the revised annual national accounts data, as announced by ELSTAT on 18/10/2023 (https://www.statistics.gr/en/).

In addition, it is noted that as the seasonally adjusted figures are recalculated every time a new quarter is added in the time series, the effect of the seasonal adjustment process, especially in periods of sharp fluctuations of the underlying variables, is reflected in noteworthy revisions, especially in the most recent quarters of the time series.

Users should also note that the data of the present announcement for the 3<sup>rd</sup> quarter of 2023 are expected to be revised when provisional estimates of the 4<sup>th</sup> quarter of 2023 are produced and disseminated on the basis of updated primary data that will have become available at that time (i.e. quarterly non-financial accounts of General Government, General Government data as regards state energy subsidies, short-term indices, employment data, etc).

Growth rates of major macroeconomic aggregates based on <u>seasonally adjusted data in volume terms</u> are as follows:

#### 1. Quarter on quarter growth rates

- Total final consumption expenditure decreased by 0.5% in comparison with the 2<sup>nd</sup> quarter of 2023.
- Gross fixed capital formation (GFCF) decreased by 1.8% in comparison with the 2<sup>nd</sup> quarter of 2023.
- Exports of goods and services decreased by 0.7% in comparison with the 2<sup>nd</sup> quarter of 2023.
  Exports of goods increased by 0.3% while exports of services decreased by 0.8%.
- Imports of goods and services increased by 2.0% in comparison with the 2<sup>nd</sup> quarter of 2023.
  Imports of goods increased by 3.1%, while imports of services decreased by 2.1%.

<sup>&</sup>lt;sup>1</sup> Seasonal and calendar adjustment.

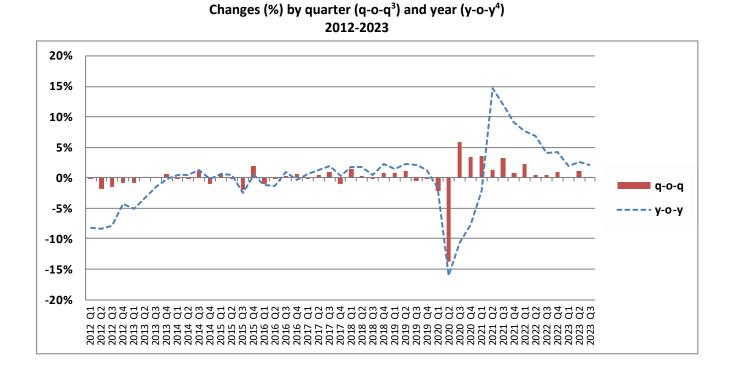
<sup>&</sup>lt;sup>2</sup> Chain linked volume measure.

#### 2. Year on year growth rates

- Total final consumption expenditure recorded an increase of 1.0% in comparison with the 3<sup>rd</sup> quarter of 2022.
- Gross fixed capital formation (GFCF) increased by 4.9% in comparison with the 3<sup>rd</sup> quarter of 2022.
- Exports of goods and services increased by 1.0% in comparison with the 3<sup>rd</sup> quarter of 2022. Exports of goods decreased by 1.1%, and exports of services increased by 2.9%.
- Imports of goods and services increased by 2.9% in comparison with the 3<sup>rd</sup> quarter of 2022. Imports of goods increased by 3.4%, and imports of services increased by 0.8%.

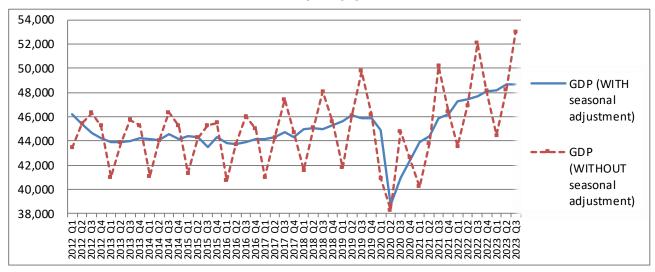
In Tables 3-9 are presented levels and rates of GDP and components, with and without seasonal adjustment.

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Graph 1: Gross Domestic Product in Volume Terms Seasonally and calendar adjusted figures (Reference Year: 2015)

#### Graph 2: Gross Domestic Product (GDP) in Volume Terms (Reference Year: 2015) WITH and WITHOUT Seasonal Adjustment 2012-2023



<sup>&</sup>lt;sup>3</sup> **q-o-q:** Percentage Change with respect to previous quarter.

 $<sup>^4</sup>$  **y-o-y:** Percentage Change with respect to the same quarter in previous year.

#### Chain Linked q-o-q q-o-q y-o-y y-o-y Year Quarter Volumes **In current Prices** % % % % **Reference Year 2015** 2012 L 46,209 0.0% -8.2% 48,259 -1.4% -8.6% Ш 45,349 -1.9% -8.4% 47,471 -1.6% -8.2% Ш 44,648 -8.0% -1.5% -7.9% 46,616 -1.8% IV -4.2% -5.6% 44,270 -0.8% 46,223 -0.8% L 2013 -1.2% -5.3% 43,876 -0.9% -5.1% 45,691 Ш 43,882 0.0% -3.2% 45,284 -0.9% -4.6% Ш 43,959 0.2% -1.5% 44,673 -1.3% -4.2% IV 44,200 0.5% -0.2% 44,312 -0.8% -4.1% 2014 I 44,112 -0.2% 0.5% 44,347 0.1% -2.9% -2.7% Ш 44,094 0.0% 0.5% 44,057 -0.7% Ш -0.1% 44,552 1.0% 1.4% 44,618 1.3% IV 44,122 -1.0% -0.2% 44,309 -0.7% 0.0% 2015 L 44,370 0.6% 0.6% 44,311 0.0% -0.1% Ш 44,322 -0.1% 0.5% 44,127 -0.4% 0.2% Ш -1.9% -2.4% -1.4% -2.4% 43,472 43,527 -0.2% IV 0.4% 44,292 1.9% 44,229 1.6% 2016 T -1.0% -1.2% -1.5% -1.7% 43,831 43,556 -0.2% -1.3% -1.0% Ш 43,740 43,677 0.3% Ш 43,866 0.3% 0.9% 43,595 -0.2% 0.2% IV 44,169 0.7% -0.3% 43,773 0.4% -1.0% L 2017 -0.1% 0.7% 0.2% 0.7% 44,126 43,878 Ш 44,295 0.4% 44,066 0.4% 0.9% 1.3% Ш 1.0% 2.0% 2.4% 44,738 44,659 1.3% IV 44,295 -1.0% 0.3% 44,238 -0.9% 1.1% 2018 L 44,942 1.5% 1.9% 44,625 0.9% 1.7% Ш 45,056 0.3% 1.7% 44,775 0.3% 1.6% -0.2% 0.2% Ш 44,945 0.5% 44,732 -0.1% IV 0.7% 1.0% 2.1% 45,267 2.2% 45,158 2019 L 45,625 0.8% 1.5% 45,499 0.8% 2.0% Ш 46,110 1.1% 2.3% 46,250 1.7% 3.3% Ш 45,876 -0.5% 2.1% 45,622 -1.4% 2.0% IV 45,848 -0.1% 1.3% 45,482 -0.3% 0.7% 2020 T 44,876 -2.1% -1.6% 44,615 -1.9% -1.9% -13.7% -13.9% -16.9% Ш 38,716 -16.0% 38,420 Ш 40,956 5.8% -10.7% 40,717 6.0% -10.8% IV 42,338 3.4% -7.7% 41,710 2.4% -8.3% L 2021 43,876 3.6% -2.2% 42,928 2.9% -3.8% Ш 1.2% 14.7% 44,264 3.1% 15.2% 44,413 Ш 45,842 3.2% 11.9% 46,113 4.2% 13.3% IV 46,203 0.8% 48,120 4.4% 15.4% 9.1% 2022 L 7.7% 3.7% 16.2% 47,258 2.3% 49,890 Ш 47,457 0.4% 6.9% 50,929 2.1% 15.1% Ш 47,703 0.5% 2.3% 13.0% 4.1% 52,106 IV 48,140 0.9% 4.2% <u>52</u>,948 1.6% 10.0% 2023 I 1.9% 1.7% 7.9% 48,164 0.1% 53,833 Ш 1.1% 2.6% 55,120 2.4% 8.2% 48,695

Ш

48,702

0.02%

2.1%

55,468

0.6%

# Table 1: Gross Domestic Product (GDP) in million € (Seasonally and calendar adjusted figures)

6.5%

Year	Quarter	Chain Linked Volumes	у-о-у	In current Prices	у-о-у
real	Quarter	Reference Year 2015	%	in current Prices	%
2012	I	43,434	-8.3%	44,662	-8.2%
	II	45,444	-8.4%	47,528	-8.4%
		46,296	-7.5%	48,300	-7.2%
	IV	45,244	-4.1%	47,891	-5.6%
2013	I	41,013	-5.6%	42,186	-5.5%
		43,846	-3.5%	45,346	-4.6%
	III	45,751	-1.2%	46,511	-3.7%
	IV	45,268	0.1%	45,841	-4.3%
2014	I	41,099	0.2%	40,841	-3.2%
		44,012	0.4%	43,920	-3.1%
	III	46,345	1.3%	46,729	0.5%
	IV	45,259	0.0%	45,746	-0.2%
2015	I	41,315	0.5%	40,787	-0.1%
		44,264	0.6%	44,047	0.3%
	III	45,293	-2.3%	45,494	-2.6%
	IV	45,497	0.5%	46,041	0.6%
2016	I	40,736	-1.4%	39,939	-2.1%
		43,741	-1.2%	43,767	-0.6%
	III	46,017	1.6%	45,751	0.6%
	IV	45,015	-1.1%	45,037	-2.2%
2017	I	40,991	0.6%	40,521	1.5%
		44,291	1.3%	44,229	1.1%
	III	47,424	3.1%	47,393	3.6%
	IV	44,722	-0.7%	44,761	-0.6%
2018	I	41,580	1.4%	41,082	1.4%
	II	45,122	1.9%	44,857	1.4%
		48,096	1.4%	48,101	1.5%
	IV	45,588	1.9%	45,518	1.7%
2019	I	41,804	0.5%	41,635	1.3%
		46,049	2.1%	46,096	2.8%
		49,761	3.5%	49,725	3.4%
	IV	46,162	1.3%	45,891	0.8%
2020		40,942	-2.1%	40,700	-2.2%
		38,285	-16.9%	37,886	-17.8%
		44,809	-10.0%	44,281	-10.9%
	IV	42,619	-7.7%	42,150	-8.2%
2021		40,229	-1.7%	39,581	-2.7%
		43,798	14.4%	43,552	15.0%
		50,200	12.0%	50,342	13.7%
	IV	46,394	8.9%	48,026	13.9%
2022		43,553	8.3%	46,088	16.4%
	II	46,925	7.1%	50,525	16.0%
	III	52,054	3.7%	56,958	13.1%
	IV	48,127	3.7%	53,049	10.5%
2023	1	44,443	2.0%	49,567	7.5%
		48,260	2.8%	54,655	8.2%
	III	52,992	1.8%	60,349	6.0%

# Table 2: Gross Domestic Product (GDP) in million € (Non-seasonally adjusted figures)

### Table 3: Gross Domestic Product (Non-seasonally adjusted figures)

<b>Gross Domestic Product</b>	20	21		20	22		2023			
at market prices	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
Production method	50,342	48,026	46,088	50,525	56,958	53,049	49,567	54,655	60,349	
Gross value added (at basic prices)	43,592	41,519	40,178	44,547	50,318	46,663	43,810	47,543	52,297	
+ Taxes on products	7,193	6,819	6,826	7,487	10,487	8,799	7,014	7,728	8,867	
- Subsidies on products	443	312	916	1,509	3,847	2,413	1,257	616	815	
Expenditure method	50,342	48,026	46,088	50,525	56,958	53,049	49,567	54,655	60,349	
Final consumption expenditure	42,511	44,907	42,088	46,425	45,784	48,721	45,664	49,467	47,500	
Households and NPISH	32,735	33,690	32,596	35,833	35,698	37,349	35,528	38,403	37,356	
General Government	9,776	11,217	9,492	10,592	10,086	11,372	10,136	11,063	10,144	
+ Gross capital formation	6,785	9,498	12,264	8,672	9,975	12,781	10,215	7,507	8,769	
Gross fixed capital formation	6,006	7,439	6,077	6,674	6,809	8,736	6,950	7,608	7,416	
Changes in inventories	779	2,059	6,187	1,998	3,166	4,045	3,265	-100	1,353	
+ Exports of goods and services	24,494	19,896	18,453	26,319	32,637	24,118	21,034	24,267	31,072	
- Imports of goods and services	23,448	26,275	26,717	30,891	31,439	32,570	27,346	26,586	26,993	
Income method	50,342	48,026	46,088	50,525	56,958	53,049	49,567	54,655	60,349	
Compensation of employees	16,884	18,654	16,368	17,935	18,175	19,619	17,366	19,152	18,861	
+ Gross operating surplus/mixed income	27,118	22,908	24,050	25,917	31,652	26,791	26,347	26,906	32,955	
+ Taxes on production and imports	8,506	10,178	7,673	9,775	11,991	10,875	7,964	10,114	10,316	
- Subsidies	2,167	3,714	2,003	3,103	4,860	4,235	2,110	1,517	1,784	

(In million € at current prices)

\*Small deviations in sums are due to rounding.

#### Table 4: Gross Domestic Product (Non-seasonally adjusted figures)

(In million €. Chain-linked volumes, reference year 2015)

Gross Domestic Product	20	21		20	22		2023			
at market prices	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
Production method	50,200	46,394	43,553	46,925	52,054	48,127	44,443	48,260	52,992	
Gross value added (at basic prices)	43,483	40,208	37,627	40,809	45,091	41,511	38,814	41,318	45,040	
+ Taxes on products	7,067	6,408	6,260	6,475	7,470	7,217	5,451	6,116	7,155	
- Subsidies on products	413	281	393	416	573	664	294	161	218	
Expenditure method	50,200	46,394	43,553	46,925	52,054	48,127	44,443	48,260	52,992	
Final consumption expenditure	41,987	43,611	40,701	43,622	42,483	44,977	42,075	44,615	42,216	
Households and NPISH	33,000	33,329	31,713	33,915	33,407	34,664	32,716	34,715	33,333	
General Government	9,008	10,255	8,999	9,715	9,108	10,301	9,368	9,910	8,906	
+ Gross capital formation	6,017	7,512	8,460	6,605	6,931	8,682	7,631	6,351	7,672	
Gross fixed capital formation	5,986	7,231	5,860	6,338	6,418	8,179	6,411	6,939	6,731	
+ Exports of goods and services	22,888	16,969	14,330	18,195	23,164	16,871	16,093	18,814	22,873	
- Imports of goods and services	20,363	21,566	19,653	21,169	20,695	22,063	20,650	21,031	20,947	

\*Chain-linking applies to each component separately. Therefore, chain-linked components do not sum up to chain-linked GDP.

# Table 5: Gross Domestic Product (Seasonally adjusted figures)

Gross Domestic Product	20	2021 2022			22				
at market prices	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
Production method	46,113	48,120	49,890	50,929	52,106	52,948	53,833	55,120	55,468
Gross value added (at basic prices)	40,137	41,679	43,370	44,850	45,995	46,785	47,537	47,930	48,168
+ Taxes on products	6,368	6,822	7,452	7,512	9,431	9,007	7,579	7,805	8,003
- Subsidies on products	392	381	931	1,433	3,320	2,844	1,282	615	704
Expenditure method	46,113	48,120	49,890	50,929	52,106	52,948	53,833	55,120	55,468
Final consumption expenditure	41,544	43,187	44,745	45,534	46,172	47,138	47,783	48,272	48,290
Households and NPISH	31,465	32,983	34,511	35,098	35,655	36,664	37,019	37,482	37,562
General Government	10,079	10,204	10,234	10,436	10,517	10,473	10,764	10,790	10,728
+ Gross capital formation	8,794	8,718	9,159	9,957	11,687	11,546	8,159	9,251	10,127
Gross fixed capital formation	6,284	6,453	6,580	6,704	7,160	7,821	7,379	7,478	7,888
Changes in inventories	2,510	2,265	2,579	3,253	4,527	3,725	780	1,773	2,239
+ Exports of goods and services	19,410	21,772	23,289	26,194	25,772	26,272	25,327	24,023	24,502
- Imports of goods and services	23,635	25,557	27,303	30,756	31,525	32,008	27,437	26,427	27,451
Income method	46,113	48,120	49,890	50,929	52,106	52,948	53,833	55,120	55,468
Compensation of employees	17,070	17,544	17,552	17,742	18,286	18,435	18,671	18,872	18,973
+ Gross operating surplus/mixed income	23,344	25,518	24,831	26,354	27,965	28,594	27,186	27,853	29,026
+ Taxes on production and imports	7,866	8,773	9,510	9,936	10,716	10,153	10,085	9,912	9,252
- Subsidies	2,167	3,714	2,003	3,103	4,860	4,235	2,110	1,517	1,784

(In million € at current prices)

\* Small deviations in sums are due to rounding.

#### Table 6: Gross Domestic Product (Seasonally adjusted figures)

(In million €. Chain-linked volumes, reference year 2015)

Gross Domestic Product 2021				20	22	2023			
at market prices	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
Production method	45,842	46,203	47,258	47,457	47,703	48,140	48,164	48,695	48,702
Gross value added (at basic prices)	40,019	40,219	40,640	41,225	41,500	41,591	41,836	41,700	41,527
+ Taxes on products	6,237	6,311	6,997	6,732	6,686	6,867	6,242	6,390	6,392
- Subsidies on products	377	298	413	435	521	649	310	180	200
Expenditure method	45,842	46,203	47,258	47,457	47,703	48,140	48,164	48,695	48,702
Final consumption expenditure	41,179	42,052	42,925	43,029	43,040	43,382	43,693	43,695	43,469
Households and NPISH	31,592	32,585	33,478	33,445	33,460	33,947	33,858	34,005	33,775
General Government	9,433	9,437	9,445	9,572	9,643	9,547	9,717	9,688	9,577
+ Gross capital formation	7,038	7,018	7,315	7,307	7,865	8,109	6,562	7,116	8,561
Gross fixed capital formation	6,170	6,186	6,567	6,484	6,628	7,122	7,104	7,084	6,954
+ Exports of goods and services	18,388	18,254	17,623	18,577	18,168	18,192	18,805	18,482	18,347
- Imports of goods and services	20,449	20,992	20,109	21,109	20,782	21,819	20,766	20,975	21,387

\*Chain-linking applies to each component separately. Therefore, chain-linked components do not sum up to chain-linked GDP.

## Table 7: Gross Domestic Product (Seasonally adjusted figures)

(Chain-linked volumes) % Change vis-à-vis the same quarter of the preceding year

Gross Domestic Product	2021			20	22	2023			
at market prices	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
Production method	11.9%	9.1%	7.7%	6.9%	4.1%	4.2%	1.9%	2.6%	2.1%
Gross value added (at basic prices)	11.5%	8.3%	5.5%	6.6%	3.7%	3.4%	2.9%	1.2%	0.1%
+ Taxes on products	10.7%	10.2%	19.3%	7.8%	7.2%	8.8%	-10.8%	-5.1%	-4.4%
- Subsidies on products	-36.0%	-38.5%	-34.0%	-23.8%	38.2%	117.8%	-25.0%	-58.7%	-61.7%
Expenditure method	11.9%	9.1%	7.7%	6.9%	4.1%	4.2%	1.9%	2.6%	2.1%
Final consumption expenditure	6.3%	9.4%	10.8%	7.0%	4.5%	3.2%	1.8%	1.5%	1.0%
Households and NPISH	7.0%	12.3%	13.1%	7.8%	5.9%	4.2%	1.1%	1.7%	0.9%
General Government	2.6%	1.4%	2.4%	3.4%	2.2%	1.2%	2.9%	1.2%	-0.7%
+ Gross capital formation	4.0%	32.2%	1.2%	-5.4%	11.8%	15.5%	-10.3%	-2.6%	8.9%
Gross fixed capital formation	17.7%	27.5%	15.4%	8.8%	7.4%	15.1%	8.2%	9.2%	4.9%
+ Exports of goods and services	48.2%	29.4%	15.6%	13.3%	-1.2%	-0.3%	6.7%	-0.5%	1.0%
- Imports of goods and services	22.2%	30.2%	15.3%	11.4%	1.6%	3.9%	3.3%	-0.6%	2.9%

# Table 8: Gross Domestic Product (Seasonally adjusted figures)

(Chain-linked volumes) % Change vis-à-vis the previous quarter

Gross Domestic Product	20	21		2022				2023		
at market prices	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
Production method	3.2%	0.8%	2.3%	0.4%	0.5%	0.9%	0.1%	1.1%	0.02%	
Gross value added (at basic prices)	3.5%	0.5%	1.0%	1.4%	0.7%	0.2%	0.6%	-0.3%	-0.4%	
+ Taxes on products	-0.2%	1.2%	10.9%	-3.8%	-0.7%	2.7%	-9.1%	2.4%	0.0%	
- Subsidies on products	-34.0%	-21.0%	38.6%	5.4%	19.7%	24.6%	-52.2%	-42.0%	10.9%	
Expenditure method	3.2%	0.8%	2.3%	0.4%	0.5%	0.9%	0.1%	1.1%	0.02%	
Final consumption expenditure	2.4%	2.1%	2.1%	0.2%	0.0%	0.8%	0.7%	0.0%	-0.5%	
Households and NPISH	1.8%	3.1%	2.7%	-0.1%	0.0%	1.5%	-0.3%	0.4%	-0.7%	
General Government	1.9%	0.0%	0.1%	1.3%	0.7%	-1.0%	1.8%	-0.3%	-1.2%	
+ Gross capital formation	-8.9%	-0.3%	4.2%	-0.1%	7.6%	3.1%	-19.1%	8.4%	20.3%	
Gross fixed capital formation	3.5%	0.3%	6.2%	-1.3%	2.2%	7.5%	-0.3%	-0.3%	-1.8%	
+ Exports of goods and services	12.1%	-0.7%	-3.5%	5.4%	-2.2%	0.1%	3.4%	-1.7%	-0.7%	
- Imports of goods and services	7.9%	2.7%	-4.2%	5.0%	-1.5%	5.0%	-4.8%	1.0%	2.0%	

# Table 9: Gross Domestic Product (Non-seasonally adjusted figures)

(Chain-linked volumes) % Change vis-à-vis the same quarter of the preceding year

Gross Domestic Product	oss Domestic Product 2021			20	22	2023			
at market prices	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
Production method	12.0%	8.9%	8.3%	7.1%	3.7%	3.7%	2.0%	2.8%	1.8%
Gross value added (at basic prices)	11.9%	8.0%	5.8%	6.5%	3.7%	3.2%	3.2%	1.2%	-0.1%
+ Taxes on products	8.7%	11.0%	20.3%	7.5%	5.7%	12.6%	-12.9%	-5.5%	-4.2%
- Subsidies on products	-37.1%	-35.9%	-34.0%	-28.4%	38.7%	136.0%	-25.1%	-61.2%	-61.9%
Expenditure method	12.0%	8.9%	8.3%	7.1%	3.7%	3.7%	2.0%	2.8%	1.8%
Final consumption expenditure	4.2%	9.8%	14.0%	7.7%	1.2%	3.1%	3.4%	2.3%	-0.6%
Households and NPISH	4.6%	13.1%	17.8%	8.8%	1.2%	4.0%	3.2%	2.4%	-0.2%
General Government	3.1%	0.8%	2.9%	4.3%	1.1%	0.4%	4.1%	2.0%	-2.2%
+ Gross capital formation	6.7%	30.4%	-0.1%	-6.8%	15.2%	15.6%	-9.8%	-3.8%	10.7%
Gross fixed capital formation	17.9%	22.6%	18.2%	8.9%	7.2%	13.1%	9.4%	9.5%	4.9%
+ Exports of goods and services	47.5%	22.0%	9.2%	18.8%	1.2%	-0.6%	12.3%	3.4%	-1.3%
- Imports of goods and services	22.4%	29.4%	15.5%	11.4%	1.6%	2.3%	5.1%	-0.6%	1.2%

#### **EXPLANATORY NOTES**

- **Generally** Quarterly national accounts (QNA) are an integrated system of macroeconomic indicators which provide a complete picture of the economic status and are used mainly for purposes of economic analysis, forecasting, decision making and policy design. The main variables are the following: Gross Domestic Product (GDP), Gross Value Added, Final consumption expenditure, Gross fixed capital formation, Imports and Exports of goods and services, Compensation of employees, Employment.
- Legal basis The QNA are compiled in accordance with the European System of Accounts -<u>ESA 2010</u> of the Council Regulation (EU) No 549/2013 of the European Parliament and of the Council of 21 May 2013.

**Reference period** The accounting period is the quarter.

**Geographical** The whole Greek territory. coverage

- **Unit of measure** The economic data are published in million euros. QNA aggregates are compiled at current prices, previous year prices and chained-linked volumes (reference year: 2015).
  - **Revision** The revision policy of national accounts data is defined as follows:

60 calendar days after the end of reference quarter, the estimation of the reference quarter is calculated as well as possible revisions of previous quarters of the current year.

Additionally, when annual national accounts' data are revised, the respective quarterly data are also revised, in order to ensure their internal coherence.

- StatisticalThe standard followed is the European System of Accounts (ESAclassification2010). Breakdowns exist for variables by economic activity and<br/>type of non-financial asset. The classification NACE Rev.2 is<br/>applied for the breakdown of economic activities.
- Adjustments Seasonal adjustment is the procedure followed to remove the impact of seasonality on the time series in order to improve comparability over time. QNA are compiled both in raw and seasonally adjusted form. The seasonal adjustments (including calendar adjustment where relevant-Greek Calendar regressors) are performed applying TRAMO/SEATS method with the use of JDEMETRA+ software.

# Seasonal adjustmentThe COVID-19 pandemic and the restriction measures that were<br/>put into place had impact on the Greek Economy. Eurostat and<br/>National Statistical Authorities in the European Statistical System<br/>have been working together to elaborate guidelines and notes on<br/>how to address the statistical challenges brought about by the<br/>pandemic. Following Eurostat recommendations and guidance<br/>on time series treatment in the context of the COVID-19<br/>pandemic, this impact is suggested to be treated as outlier.

During the seasonal adjustment of the time series the estimation models were reexamined and there were determined outliers (additive outlier/level shift) in cases where it was deemed appropriate, based on statistical criteria and economic information.

As new observations will become available and will be added in the time series, the type of outliers may change, depending on the evolution of the phenomenon, which will result in revisions to already published <u>seasonally</u> adjusted data.

- **Publication of data** The QNA data are published at about 65 days after the end of the reference quarter (provisional data). The publication includes GDP and components.
  - **References** More information on the methodology and detailed tables are available on the ELSTAT website:

http://www.statistics.gr/en/statistics/-/publication/SEL84/-