

Gross domestic product of Montenegro in 2016

Real growth rate of gross domestic product for 2016 is 2.9%.

This release presents results of gross domestic product (GDP) for Montenegro by the production and expenditure approach for the 2016. at current and constant prices.

Gross domestic product of Montenegro in 2016 is 3 954 million EUR. while for 2015 it was 3 655 million EUR.

Gross domestic product per capita in 2016 is 6 354 EUR and for 2015 was 5 873 EUR.

Table 1. Gross domestic product

	2015	2016
1. Gross domestic product at current prices. mill. EUR	3 655	3 954
2. Population (in thous.)	622.2	622.3
3. Gross domestic product per capita in EUR <i>3= (1/2)</i>	5 873	6 354
4. Gross domestic product at constant prices (at prices of previous year). mill. EUR	3 575*	3 762
5. Real growth rate of GDP (%) <i>(GDP at constant prices in current year / GDP at current prices in previous year) x 100 - 100</i>	3.4*	2.9
6. Nominal growth of GDP-a (%) <i>(GDP at current prices in current year / GDP at current prices in previous year) x 100 - 100</i>	4.8*	8.2
7. Deflator (%) <i>(GDP at current prices in current year / GDP at constant prices in current year) x 100 - 100</i>	1.4*	5.1

**Data are published in the Release for GDP 2015*

Table 2: Gross output and gross value added at current prices, 2015– 2016

In thous. EUR

Classification of activities		Gross output		Intermediate consumption		Gross value added	
		2015	2016	2015	2016	2015	2016
A	Agriculture, forestry and fishing	483 662	476 353	189 065	180 881	294 597	295 472
B	Mining and quarrying	70 260	80 746	28 739	37 950	41 521	42 795
C	Manufacturing	523 043	489 978	373 622	340 483	149 422	149 495
D	Electricity, gas, steam and air conditioning supply	231 800	275 599	105 688	134 007	126 112	141 592
E	Water supply; sewerage, waste management and remediation activities	93 012	99 738	22 903	29 960	70 109	69 777
F	Construction	538 789	786 139	401 405	563 897	137 385	222 242
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	843 532	889 412	395 775	405 315	447 758	484 097
H	Transportation and storage	348 858	389 007	214 885	228 673	133 973	160 334
I	Accommodation and food service activities	534 992	551 432	259 423	270 308	275 569	281 124
J	Information and communication	287 477	293 183	133 555	138 466	153 922	154 717
K	Financial and insurance activities	269 300	280 792	101 227	105 810	168 072	174 982
L	Real estate activities	311 682	318 038	81 607	81 632	230 075	236 407
M	Professional, scientific and technical activities	250 773	236 467	154 606	139 608	96 167	96 859
N	Administrative and support service activities	111 311	138 180	71 168	88 355	40 143	49 826
O	Public administration and defense; compulsory social security	394 241	423 866	122 508	131 559	271 733	292 307
P	Education	185 972	194 628	27 213	26 122	158 759	168 507
Q	Human health and social work activities	199 797	234 341	61 226	82 235	138 571	152 105
R	Arts, entertainment and recreation	108 636	108 565	53 999	50 504	54 636	58 060
S+T	Other service activities; Activities of households as employers; undifferentiated goods-and services-producing activities of households for own use	53 398	69 617	19 917	29 326	33 480	40 291
U	Activities of extraterritorial organizations and bodies	...	...	...	...	...	...
Total		5 840 535	6 336 081	2 818 531	3 065 091	3 022 004	3 270 989
Taxes on products less subsidies on products						632 507	683 223
GROSS DOMESTIC PRODUCT (current prices)						3 654 512	3 954 212

Table 3: Index of nominal growth, structure of gross value added and gross domestic product at current prices, 2015 - 2016

Classification of activities		Gross value added (in thous. EUR)		Index of nominal growth ¹	GDP structure (%)	
		2015	2016		2015	2016
A	Agriculture, forestry and fishing	294 597	295 472	100.3	8.1	7.5
B	Mining and quarrying	41 521	42 795	103.1	1.1	1.1
C	Manufacturing	149 422	149 495	100.0	4.1	3.8
D	Electricity, gas, steam and air conditioning supply	126 112	141 592	112.3	3.5	3.6
E	Water supply; sewerage, waste management and remediation activities	70 109	69 777	99.5	1.9	1.8
F	Construction	137 385	222 242	161.8	3.8	5.6
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	447 758	484 097	108.1	12.3	12.2
H	Transportation and storage	133 973	160 334	119.7	3.7	4.1
I	Accommodation and food service activities	275 569	281 124	102.0	7.5	7.1
J	Information and communication	153 922	154 717	100.5	4.2	3.9
K	Financial and insurance activities	168 072	174 982	104.1	4.6	4.4
L	Real estate activities	230 075	236 407	102.8	6.3	6.0
M	Professional, scientific and technical activities	96 167	96 859	100.7	2.6	2.4
N	Administrative and support service activities	40 143	49 826	124.1	1.1	1.3
O	Public administration and defense; compulsory social security	271 733	292 307	107.6	7.4	7.4
P	Education	158 759	168 507	106.1	4.3	4.3
Q	Human health and social work activities	138 571	152 105	109.8	3.8	3.8
R	Arts, entertainment and recreation	54 636	58 060	106.3	1.5	1.5
S+T	Other service activities; Activities of households as employers; undifferentiated goods-and services-producing activities of households for own use	33 480	40 291	120.3	0.9	1.0
U	Activities of extraterritorial organizations and bodies	...	...	...	...	...
Total		3 022 004	3 270 989	108.2	82.7	82.7
Taxes on products less subsidies on products		632 507	683 223	108.0	17.3	17.3
GROSS DOMESTIC PRODUCT (current prices)		3 654 512	3 954 212	108.2	100.0	100.0

¹ Nominal growth rate = (GDP at current prices in current year / GDP at constant prices in current year) * 100

Table 4: Gross domestic product at current and constant prices, 2016

Classification of activities		Gross value added (in thous. EUR)		
		Current prices 2015	Current prices 2016	Constant prices 2016
A	Agriculture, forestry and fishing	294 597	295 472	306 081
B	Mining and quarrying	41 521	42 795	36 120
C	Manufacturing	149 422	149 495	143 286
D	Electricity, gas, steam and air conditioning supply	126 112	141 592	130 526
E	Water supply; sewerage, waste management and remediation activities	70 109	69 777	66 735
F	Construction	137 385	222 242	181 414
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	447 758	484 097	456 160
H	Transportation and storage	133 973	160 334	140 393
I	Accommodation and food service activities	275 569	281 124	280 688
J	Information and communication	153 922	154 717	148 482
K	Financial and insurance activities	168 072	174 982	179 391
L	Real estate activities	230 075	236 407	233 526
M	Professional, scientific and technical activities	96 167	96 859	96 175
N	Administrative and support service activities	40 143	49 826	41 053
O	Public administration and defense; compulsory social security	271 733	292 307	275 537
P	Education	158 759	168 507	154 949
Q	Human health and social work activities	138 571	152 105	135 617
R	Arts, entertainment and recreation	54 636	58 060	54 226
S+T	Other service activities; Activities of households as employers; undifferentiated goods-and services-producing activities of households for own use	33 480	40 291	33 367
U	Activities of extraterritorial organizations and bodies	...	...	...
Total		3 022 004	3 270 989	3 093 726
Taxes on products less subsidies on products		632 507	683 223	668 570
GROSS DOMESTIC PRODUCT (current prices)		3 654 512	3 954 212	3 762 296

**Table 5: Structure of gross value added and gross domestic product at constant prices.
2016**

Classification of activities		Gross value added (in thous. EUR)	GDP structure (%)
		2016	2016
A	Agriculture, forestry and fishing	306 081	8.1
B	Mining and quarrying	36 120	1.0
C	Manufacturing	143 286	3.8
D	Electricity, gas, steam and air conditioning supply	130 526	3.5
E	Water supply; sewerage, waste management and remediation activities	66 735	1.8
F	Construction	181 414	4.8
G	Wholesale and retail trade; repair of motor vehicles and motorcycles	456 160	12.1
H	Transportation and storage	140 393	3.7
I	Accommodation and food service activities	280 688	7.5
J	Information and communication	148 482	3.9
K	Financial and insurance activities	179 391	4.8
L	Real estate activities	233 526	6.2
M	Professional, scientific and technical activities	96 175	2.6
N	Administrative and support service activities	41 053	1.1
O	Public administration and defense; compulsory social security	275 537	7.3
P	Education	154 949	4.1
Q	Human health and social work activities	135 617	3.6
R	Arts, entertainment and recreation	54 226	1.4
S+T	Other service activities; Activities of households as employers; undifferentiated goods-and services-producing activities of households for own use	33 367	0.9
U	Activities of extraterritorial organizations and bodies	...	...
Total		3 093 726	82.2
Taxes on products less subsidies on products		668 570	17.8
GROSS DOMESTIC PRODUCT (constant prices)		3 762 296	100.0

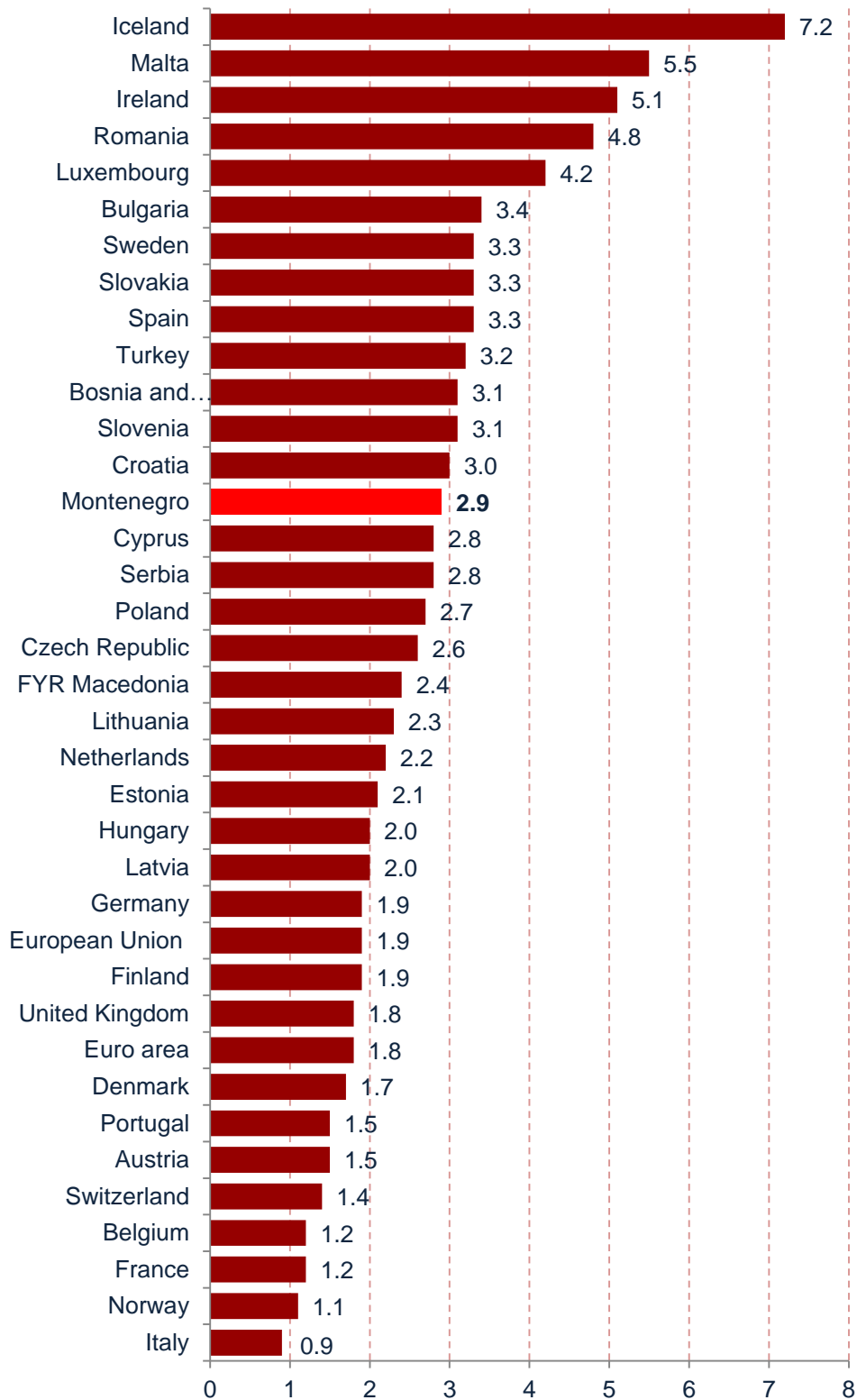
Table 6: Structure of gross domestic product by type of expenditure at current prices, 2015 - 2016

Expenditure categories		Value (in thous. EUR)		GDP structure (%)	
		2015	2016	2015	2016
1= (1.1+1.2)	Final consumption expenditure	3 594 493	3 810 556	98.4	96.4
1.1	Households final consumption expenditure (HFCE)	2 892 977	3 035 067	79.2	76.8
1.2= (a+b)	Government final consumption expenditure (GFCE)	701 516	775 489	19.2	19.6
a)	<i>individual</i>	321 812	369 834	8.8	9.4
b)	<i>collective</i>	379 704	405 655	10.4	10.3
2	Gross fixed capital formation (GFCF)	736 277	916 725	20.1	23.2
3	Changes in inventories	-1 897	115 141	-0.1	2.9
4= (4.1-4.2)	Net export / import	-674 361	- 888 211	-18.5	-22.5
4.1= (a+b)	Exports of goods and services	1 539 210	1 599 912	42.1	40.5
a)	<i>export of goods</i>	325 286	345 331	8.9	8.7
b)	<i>export of services</i>	1 213 924	1 254 581	33.2	31.7
4.2= (a+b)	Import of goods and services	2 213 571	2 488 123	60.6	62.9
a)	<i>imports of goods</i>	1 788 803	2 002 603	48.9	50.6
b)	<i>imports of services</i>	424 768	485 520	11.6	12.3
5=(1+2+3+4)	GROSS DOMESTIC PRODUCT (current prices)	3 654 512	3 954 212	100.0	100.0

Table 7: Structure of gross domestic product by type of expenditure at constant prices, 2015 - 2016

Expenditure categories		Value (in thous. EUR)		GDP structure (%)	
		2015	2016	2015	2016
1= (1.1+1.2)	Final consumption expenditure	3 519 289	3 755 552	98.4	99.8
1.1	Households final consumption expenditure (HFCE)	2 836 598	3 048 089	79.3	81.0
1.2= (a+b)	Government final consumption expenditure (GFCE)	682 691	707 463	19.1	18.8
a)	<i>individual</i>	318 661	322 092	8.9	8.6
b)	<i>collective</i>	364 030	385 371	10.2	10.2
2	Gross fixed capital formation (GFCF)	735 633	938 919	20.6	25.0
3	Changes in inventories	17 713	-19 702	0.5	-0.5
4= (4.1-4.2)	Net export / import	-697 476	-912 475	-19.5	-24.3
4.1= (a+b)	Exports of goods and services	1 467 859	1 634 111	41.1	43.4
a)	<i>export of goods</i>	331 915	370 478	9.3	9.8
b)	<i>export of services</i>	1 135 944	1 263 633	31.8	33.6
4.2= (a+b)	Import of goods and services	2 165 335	2 546 586	60.6	67.7
a)	<i>imports of goods</i>	1 805 301	2 062 146	50.5	54.8
b)	<i>imports of services</i>	360 034	484 440	10.1	12.9
5=(1+2+3+4)	GROSS DOMESTIC PRODUCT (constant prices)	3 575 158	3 762 294	100.0	100.0

Graph 1: Comparative review of real growth rates of GDP (%), 2016



Data on real growth rates of GDP are published by Eurostat and can be found on the website: <http://ec.europa.eu/eurostat/tgm/printTable.do?tab=table&plugin=1&language=en&pcode=tec00115&printPreview=true#>

METHODOLOGICAL NOTES

Methodological concepts, definitions and classifications

Applied methodology is harmonized with the System of National Accounts (SNA 2008) and European system of accounts (ESA 2010).

ESA 2010 defines the concepts, definitions and accounting rules which applied in the compilation of national accounts in order to reach international comparability of data. ESA 2010 presents the set of inter-related and consistent tables, accounts, classifications and the balances which represents statistical and documentation basis for the monitoring of economic activity.

Gross domestic product (GDP) measures the total value of the goods and services produced by resident institutional units.

The classification of economic units by activity is in line with the national Classification of Activities that is harmonized with the Classification of Economic Activities in the European Community (NACE Rev.2).

Compilation methodology

Statistical Office compile GDP by production and expenditure approaches which are mutually independent.

The GDP calculation includes all activities within the production frame defined by SNA 2008 and ESA 2010 methodologies and covers the whole territory of Montenegro.

The estimate of non-observed economy is partially included in compilation of GDP.

Production approach

The main categories of GDP compilation by production approach are:

Gross output is defined as a market value of produced goods and services. It is calculated by activities at approximate basic prices, since all subsidies are treated as subsidies on products and included into calculation on the level of national economy.

Intermediate consumption at purchase prices is the value of goods and services, which are transformed, used and consumed in the production process.

Gross value added is the value of gross output less the value of intermediate consumption.

Gross domestic product at market prices is the value of all goods and services produced by resident units, i.e.. the sum of gross value added by activities and taxes on products less subsidies on products.

In compilation of intermediate consumption by activities is included the value of financial intermediation services indirectly measured (FISIM) which increase level of harmonization of GDP compilation in line with European standards.

Current prices

Gross value added calculation at current prices is mostly based on annual financial reports (Income statements and Statistical annex) of enterprises and other legal entities and results from regular statistical surveys.

The data quality of annual financial reports was checked and partially corrected on the basis of data from statistical surveys in agriculture, industry, construction, wholesale and retail trade, tourism, transport and other statistics. Additionally it was used administrative data obtained from Central Bank of Montenegro, Tax authorities, Customs administration and Ministry of Finance.

The used data were adjusted according to the requirements of ESA 2010 methodology, while in certain cases particularly estimation were made on the basis of available data.

Constant prices

GDP calculation by production approach is also done at constant prices. For activity Agricultural, forestry and fishing compilation at constant prices is done by double deflation method and for all other activities calculation is done by applying single extrapolation method.

Expenditure approach

Current prices

The GDP compilation by expenditure approach at current prices is based on the data from regular statistical surveys of Statistical Office, Ministry of Finance, Central Bank of Montenegro, Customs administration and Tax authorities.

Final consumption expenditure of households was calculated on the basis of data from regular statistical surveys of Statistical Office as well as on data from various administrative sources. COICOP classification on 4-digit level is applied. Commodity flow approach is used for estimation of final consumption expenditure of households which represent balance of all goods and services flows that are produced and imported from one side and used and exported on the other side.

Data on Government expenditures were based on data from Ministry of Finance and Budgetary Report of Montenegro. Individual government final consumption includes expenditures on education, health, social security and welfare and sport, culture and recreation. Remained expenditures of the government are related to collective consumption (general public services, military and civil defence with ministry, residential and communal services. etc).

Gross fixed capital formation data are compiled by Commodity flow approach and using data from regular statistical surveys and financial reports of enterprises.

Data on exports and imports of services are based on the Balance of Payment data of Central Bank of Montenegro.

Constant prices

GDP calculation by expenditure approach is also done at constant prices. On the basis of available data it is carried out extrapolation method for expenditure component: Government final consumption expenditure and for others expenditure components calculation is done by applying deflation method.

Detail data series according ESA 2010 at current and constant prices are presented on the Statistical Office website www.monstat.org

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