



Statistical Office of the Republic of Serbia



# STATISTICAL POCKETBOOK OF THE REPUBLIC OF SERBIA

**2020**

Belgrade, 2020

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# Statistical Pocketbook of the Republic of Serbia 2020

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## PREFACE

“The Statistical Pocketbook of the Republic of Serbia” is an edition of the Statistical Office of the Republic of Serbia that offers the main statistical data on the national social and economic development. The selection of data was made in compliance with the requirements and interest of the wide circle of users, from the primary school pupils to the old people category.

The Statistical Office of the Republic of Serbia took efforts to provide the latest data according to the accomplished surveys. The publication is an outcome of all statistical surveys conducted pursuant to the unified program. With this regard we are free to see this publication as a joint venture of the overall statistical information system. Apart from the SORS statistics, this pocketbook contains the data taken from the National Bank of Serbia, the Ministry of the interior, the Ministry of justice, the Ministry of labor and social policy of the Republic of Serbia, the Public health institute of the Republic of Serbia “Dr Milan Jovanović Batut”, the National Fund for pension and disablement insurance, the National employment service, the Hydro-meteorological service of Serbia, and other institutions as well.

Starting from 1999 the Statistical Office of the Republic of Serbia does not have at disposal certain data relative to AP Kosovo and Metohia and therefore these data are not included in the coverage for the Republic of Serbia (total).

Belgrade, April 2020

Director

Dr Miladin Kovačević







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# STATISTICAL REVIEW

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## Republic of Serbia – area

km<sup>2</sup>

	Area			Area	
	Total	Share %		Total	Share %
REPUBLIC OF SERBIA	88 499	100	SRBIJA – JUG	63 651	71.9
SRBIJA – SEVER	24 848	28,1	Region Šumadije i Zapadne Srbije	26 493	29.9
Beogradski region	3 234	3,7	Region Južne i Istočne Srbije	26 248	29.7
Region Vojvodine	21 614	24,4	Region Kosovo i Metohija	10 910	12.3

As of 1 January 2019.

Source: Republic geodetic authority.

## Length of boundaries of the Republic of Serbia

km<sup>2</sup>

	Type of boundary			Total length	%
	land	rivers	lakes		
<b>Total</b>	<b>1 567.3</b>	<b>751.1</b>	<b>43.3</b>	<b>2 361.7</b>	<b>100.0</b>
<b>%</b>	<b>66.4</b>	<b>31.8</b>	<b>1.8</b>	<b>100.0</b>	<b>-</b>
Hungary	156.7	18.0	-	174.7	7.4
Romania	258.6	289.3	-	547.9	23.2
Bulgaria	333.5	27.0	-	360.5	15.3
North Macedonia	247.4	35.5	-	282.9	12.0
Albania	110.6	3.0	-	113.6	4.8
Bosnia and Herzegovina	109.9	217.7	43.3	370.9	15.7
Croatia	111.1	150.6	-	261.7	11.1
Montenegro	239.5	10.0	-	249.5	10.6

As of 1 January 2019.

Source: Republic geodetic authority (Data on established state borders as in the documentation available from the Borders Service of the Ministry of Foreign Affairs of the Republic of Serbia).



## Administrative and territorial distribution of the Republic of Serbia <sup>1)</sup>

	Republic of Serbia					
	total	Serbia – sever		Serbia – jug		
		Beogradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
Areas NSTJ	30	1	7	8	9	5
Administrative districts	29	0	7	8	9	5
Municipalities/Cities/ City municipalities	198	17	46	53	53	29
Cities	29	1	8	10	9	1
Cities with city municipalities	6	1	1	1	3	0
Settlements	6 158	157	467	2 112	1 973	1 449
Urban settlements	193	16	52	53	46	26

As of 1 January 2019.

<sup>1)</sup> Pursuant to the National nomenclature of statistical territorial units (NSTJ).

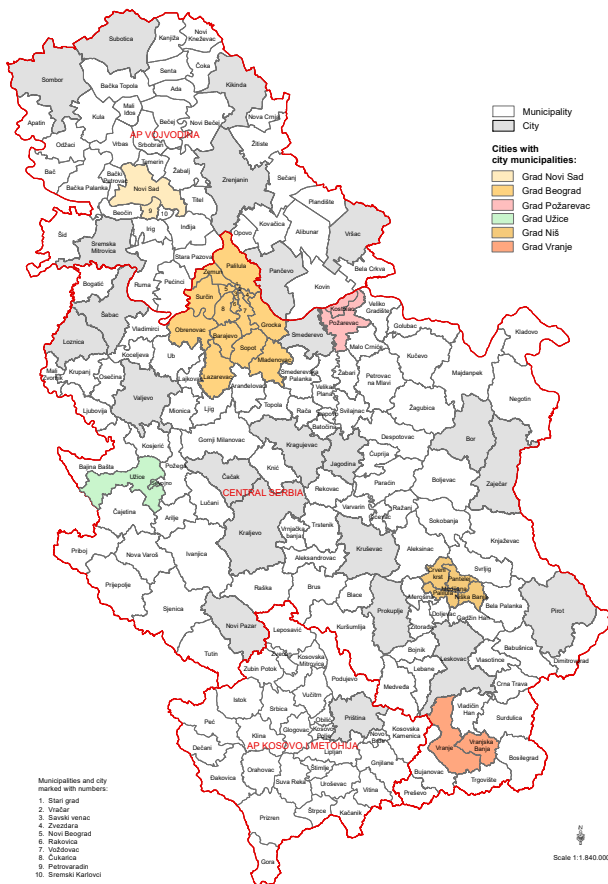
## Geographic coordinates of the extreme points of the Republic of Serbia

	North latitude	East longitude <sup>1)</sup>	Municipality	Place
North	46°11'	19°40'	Subotica	10 km north of Subotica
South	41°53'	20°36'	Gora	Restelica
East	43°11'	23°00'	Dimitrovgrad	Stara planina, Srebrna Glava peak
West	45°55'	18°49'	Sombor	Bački Breg

Source: Military-geographic institute, Belgrade.

<sup>1)</sup> By Greenwich.

## Cities and municipalities in the Republic of Serbia



As of 1 January 2019.

Edited at SORS.

Source: Graphic layout of the Republic geodetic authority.



## Municipalities and cities in the Republic of Serbia by areas and regions



As of 1 January 2019.

Edited at SORS.

Source: Graphic layout of the Republic geodetic authority.

## Municipalities and cities in the Republic of Serbia by administrative districts



As of 1 January 2019.

Edited at SORS.

Source: Graphic layout of the Republic geodetic authority.



## Major mountain peaks

over 2 000 m

Peak	Mountain	Altitude, m
Đeravica	Prokletije	2 656
Peskovi	Šar-planina	2 651
Bistra	Šar-planina	2 609
Crni vrh	Šar-planina	2 585
Vrtop	Šar-planina	2 555
Gusan	Prokletije	2 539
Bogdaš	Prokletije	2 533
Žuti kamen	Prokletije	2 522
Maja e Rops	Prokletije (Bogičevica)	2 501
Ljuboten	Šar-planina	2 498
Maja	Šar-planina	2 493
Veternik	Koprivnik	2 461
Hajla	Hajla	2 403
Koritnik	Koritnik	2 393
Rusulija	Žljeb	2 381
Streoc	Streočka planina	2 377
Tromeđa	Prokletije	2 366
Žljeb	Žljeb	2 365
Rasa e Zogit	Junička planina	2 305
Mramor	Šar-planina	2 297
Ošljak	Ošljak	2 212
Ovčinec	Šar-planina	2 177
Midžor	Stara planina	2 168
Pogled	Mokra gora	2 154
Bandera	Suva planina (of Peć)	2 098
Ostrvica	Ostrvica	2 092
Malji Ksula e Priftit	Šar-planina	2 092
Dupljak	Stara planina	2 032
Murga	Šar-planina	2 025
Pančičev vrh	Kopaonik	2 017
Maja e Vjeljakut	Paklen (of Peć)	2 014

Source: Military Geographic Institute, Belgrade.



## Major rivers

km

River	Length		Navigability in the Republic of Serbia	Discharges into
	Total	In the Republic of Serbia		
Danube <sup>1)</sup>	2 811	588	588	Black Sea
Tisa	966	168	168	Danube
Sava	945	206	206	Danube
Tamiš	359	118	3	Danube
Drina <sup>2)</sup>	346	220	-	Sava
Južna Morava <sup>3)</sup>	295	286	-	Velika Morava
Ibar <sup>4)</sup>	272	238	-	Zapadna Morava
Begej (navigable)	244	75	75	Tisa
Nišava	218	151	-	Južna Morava
Timok	202	202	-	Danube
Velika Morava <sup>5)</sup>	185	185	3	Danube
Zapadna Morava <sup>6)</sup>	184	184	-	Velika Morava
Pčinja	135	52	-	Vardar
Bosut	132	20	-	Sava
Toplica	130	130	-	Južna Morava
Pek <sup>7)</sup>	129	129	-	Danube
Beli Drim <sup>8)</sup>	125	108	-	Drim
Moravica (Golijaska)	98	98	-	Zapadna Morava
Rasina	92	92	-	Zapadna Morava
Veliki Timok <sup>9)</sup>	88	88	-	Danube
Visočica	86	69	-	Nišava
Jablanica	85	85	-	Južna Morava
Crni Timok	84	84	-	Timok
Kolubara <sup>10)</sup>	86	86	-	Sava

Source: Faculty of geography, Belgrade.

Notes: In the total river length, the source parts with another name were not included. However, for the major rivers in footnotes given are their major composite rivers with the respective lengths. As a rule, the river starting point is taken to be the most distant source flow, regardless of the water quantity (length principle), which results in the changed established dimensions (e.g. the river Ibar).

<sup>1)</sup> 2860 km with the converging river Breg.

<sup>2)</sup> 492 km with the river Tara.

<sup>3)</sup> 295 km with the river Binačka Moravica.

<sup>4)</sup> 276 km with the Županica, 284 km with Sitnica and Nerodimka.

<sup>5)</sup> through the Zapadna Morava river: 467 km with the river Golijaska Moravica, 542 km with the Ibar i Županica rivers, 550 km with the Ibar, Sitnica i Nerodimka.

<sup>6)</sup> 282 km with the Golijaska Moravica, 353 km with the Ibar (source), 357 km with the Ibar and Županica rivers, 365 km with the Ibar, Sitnica and Nerodimka rivers.

<sup>7)</sup> 140 km with the Lipa.

<sup>8)</sup> 171 km with the Pečka Bistrica.

<sup>9)</sup> 188 km with the Crni Timok and the Crnovrška river.

<sup>10)</sup> 126 km with the Obnica.





## Major rivers (continued)

km

River	Length		Navigability in the Republic of Serbia	Discharges into
	Total	In the Republic of Serbia		
Jadar	75	75	-	Drina
Jasenica	79	79	-	Velika Morava
Mlava <sup>11)</sup>	78	78	-	Danube
Đetinja	75	75	-	Zapadna Morava
Veternica	75	75	-	Južna Morava
Sitnica <sup>12)</sup>	73	73	-	Ibar
Jerma	72	45	-	Nišava
Pusta	71	71	-	Južna Morava
Vlasina	70	70	-	Južna Morava
Resava	65	65	-	Velika Morava
Gruža	62	62	-	Zapadna Morava
Pečka Bistrica <sup>13)</sup>	62	60	-	Beli Drim
Studenica	60	60	-	Ibar
Dragovištica <sup>14)</sup>	38	14	-	Struma

Source: Faculty of geography, Belgrade.

<sup>11)</sup> 102 km with the Velika Tisnica river.

<sup>12)</sup> 110 km with the Sazlija and the Nerodimka rivers.

<sup>13)</sup> 71 km with the Bjeluha river.

<sup>14)</sup> 71 km with the Božička river.



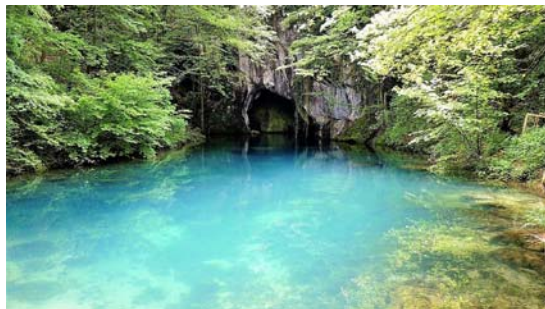
## Lakes

over 4 km<sup>2</sup>

Lake	Area, km <sup>2</sup>	Altitude, m	Maximum depth, m	Water volume, mill. m <sup>3</sup>
Lake Đerdap <sup>1)</sup> (on the Danube river)	253	70	92	5000
Lake of Bečej (on the Tisa river)	18	85	10	51
Lake Vlasina (on the Vlasina river)	16,0	1 213	22	176
Lake Perućac (on the Drina river)	12,4	290	70	340
Gazivode (on the Ibar river)	11,9	693	105	370
Lake of Gruža	9,2	273	35	64
Lake Zvornik (on the Drina river)	8,1	140	28	89
Lake of Zlatar (on the Uvac river)	7,2	880	75	273
Lake Potpeć (on the Lim river)	7,0	437	40	44
Lake of Palić	5,6	101	3,5	11
Lake of Zavoj (on the Zavoj river)	5,5	612	60	170
Lake of Sjenica (on the Uvac river)	5,0	985	35	212
Lake of Čelije (on the Rasina river)	5,0	277	40	50
Belo Lake	5,4	75	2,5	7

Source: Faculty of geography, Belgrade.

<sup>1)</sup> 75 km<sup>2</sup> being the territory of Romania.



## Water usage in industry

m<sup>3</sup>, million

	2017	2018
Water abstracted <sup>1)</sup>	4 047	4 183
Water use <sup>1)</sup>	4 047	4 183
Discharged <sup>1)</sup> water	4 003	4 133
Treated wastewater	82	83
Reused water	1	1

<sup>1)</sup> Waters used for hydropower plants are excluded.

## Abstracted, distributed water and urban wastewater

m<sup>3</sup>, million

	2017	2018
Water abstracted	659	654
Distributed water	425	424
Water losses	234	230
Total urban wastewater	409	404
Treated urban wastewater	49	49

## Abstracted water for irrigation

	Water abstraction, m <sup>3</sup> , million			
	Total <sup>1)</sup>	Underground waters	Rivers	Reservoirs and lakes
2017	75	3	67	5
2018	55	3	48	3
Danube	42	3	35	3
Sava	1	0	0	0
Morava <sup>2)</sup>	12	0	12	0

<sup>1)</sup> Included water from public water supply networks.

<sup>2)</sup> The data relate to the basins of the rivers Velika Morava, Zapadna Morava and Južna Morava.

## Protection against damaging water effects

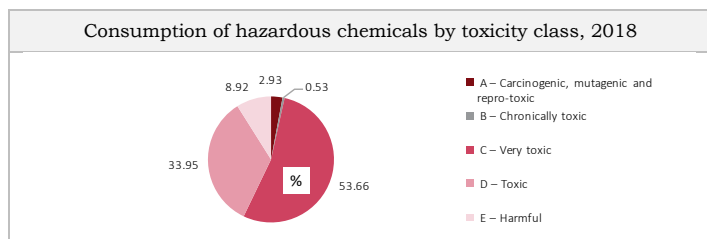
	2017	2018
<b>Floods</b>		
Drained area, ha, thousand	2 135	2 112
Number of flooded settlements	242	371
Eroded land, km <sup>2</sup>	3 853	3 834



## Consumption of hazardous chemicals by toxicity class t, thousand

	2017	2018
<b>Total <sup>1)</sup></b>	<b>1 212</b>	<b>751</b>
A – Carcinogenic, mutagenic and repro-toxic	20	22
B – Chronically toxic	4	4
C – Very toxic	640	403
D – Toxic	467	255
E – Harmful	81	67

<sup>1)</sup> Included NACE Rev. 2 sections: Mining and quarrying, Manufacturing, Electricity, gas, steam and air conditioning supply and Water supply and sewerage.



## Generated waste by CA <sup>1)</sup> and from households t, thousand

	2017	2018
<b>Total</b>	<b>50 773</b>	<b>51 129</b>
Hazardous	17 248	15 356
Non-hazardous	33 497	35 773
Agriculture, forestry and fishing	95	93
Mining and quarrying	38 378	38 626
Manufacturing	1 436	1 521
Electricity, gas, steam and air conditioning supply	7 573	7 495
Water supply, sewerage, waste management and remediation activities	469	562
Construction	527	550
Service activities <sup>2)</sup>	370	420
Household waste <sup>3)</sup>	1 885	1 863

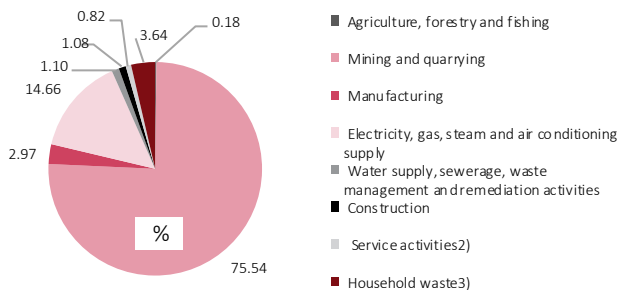
<sup>1)</sup> Classification of Activities, NACE Rev2.

<sup>2)</sup> Included sections G–S CA.

<sup>3)</sup> Estimation.



Generated waste by CA/NACE Rev.2, 2018



### SO<sub>2</sub> emission account, according to NACE Rev. 2 and households

kt (Gg)

CA/NACE Rev.2	2016	2017
Manufacturing	22.2	18.5
Electricity, gas, steam and air conditioning supply	379.6	384.1
Other sections	11.4	7.6
Household air emissions	10.1	9.9

### NO<sub>x</sub> emission account, according to NACE Rev. 2 and households

kt (Gg)

CA/NACE Rev.2	2016	2017
Agriculture, forestry and fishing	12.6	12.0
Manufacturing	18.4	18.7
Electricity, gas, steam and air conditioning supply	71.8	72.8
Other sections	13.1	13.3
Household air emissions	33.0	30.8

## Material flow indicators

t, thousand

	2017	2018
Domestic extraction (DE)	109 284	114 585
Imports	18 083	18 593
Exports	13 477	14 328
Direct material input (DMI)	127 367	133 178
Domestic material consumption (DMC)	113 890	118 850
Physical trade balance	4 606	4 265
Resource productivity, RSD/kg	31.4	31.4
Domestic material consumption per capita, t/cap.	16.2	17.0

## Environmental tax revenues, by type of taxes

mill.RSD

	2016	2017
<b>Total</b>	<b>186 653</b>	<b>195 906</b>
Energy taxes	161 796	167 779
Transport taxes	12 600	13 817
Pollution taxes	9 136	11 072
Resource taxes	3 121	3 238

## Expenditures for environmental protection and revenues from environmental protection related activities

mill.RSD

	2017	2018
Investments for environmental protection	6 592.8	7 437.7
Current expenditures for environmental protection	27 807.5	30 828.9
Revenues from environmental protection related activities	31 621.6	37 916.5

## Emission of pollutants <sup>1)</sup>

	Unit of measurement	1990	1995	2000	2005	2010	2015	2016	2017
NO <sub>x</sub>	kt	186.2	153.3	147.8	167.1	149.6	145.7	148.9	147.6
NMVOOC	kt	188.2	142.3	146.2	146.4	133.6	122.6	127.5	125.1
SO <sub>x</sub>	kt	592.1	499.5	463.5	446.0	402.7	416.2	423.2	420.2
PM <sub>2.5</sub>	kt	55.0	34.8	40.0	39.7	42.5	37.8	40.9	38.5
PM <sub>10</sub>	kt	72.8	48.9	53.4	53.8	55.9	51.7	55.4	52.8
CO	kt	518.1	352.0	400.7	404.2	349.2	269.7	277.5	268.4
NH <sub>3</sub>	kt	93.4	82.9	76.4	81.3	69.0	65.0	65.8	64.9

Source: Environmental Protection Agency.

<sup>1)</sup> Values of emissions were obtained in accordance with the methodology EMEP/EEA to the UNECE Convention on Transboundary Air Pollution (CLRTAP).



## National parks <sup>1)</sup>

	Year of proclamation	Area, ha	Altitude, m
Derdap	1974	63 786	70 – 806
Tara	1981	24 991	1 000 – 1 591
Kopaonik	1981	11 969	640 – 2 017
Fruška Gora	1960	26 672	76 – 538
Šar-planina	1986	22 805	388 – 2 651

Source: Institute for Nature Conservation of Serbia.

<sup>1)</sup> Law on National Parks (Official Gazette of RS, No. 84/2015).

## Protected natural areas, 2018

	Republic of Serbia
Protected natural heritage <sup>1)</sup>	459
National parks	5
Natural parks	18
Landscapes	20
Reservations	68
Nature monuments	306
Cultural and historical areas	37
Protected habitat	5

Source: Institute for Nature Conservation of Serbia ([www.zzps.rs](http://www.zzps.rs))

<sup>1)</sup> Low on natural protection (Official Gazette of RS, No. 36/09, 88/10, 91/10, 14/16)

## Protected plant and animal species, 2017

	Total
Strictly protected and protected wild species of plants, animals and fungi <sup>1)</sup>	2 633
Strictly protected wild species	1 783
Protected wild species	860
Wild flora and fauna under the regulation of use and marketing <sup>2)</sup>	90

Source: Institute for Nature Conservation of Serbia ([www.zzps.rs](http://www.zzps.rs)).

<sup>1)</sup> Promulgation of Regulation on the Protection of strictly protected and protected wild plants, animals and fungi (Official Gazette of RS, No. 5/10, 31/16, 98/16).

<sup>2)</sup> Regulation control of use and trade of wild flora and fauna (Official Gazette of RS, No. 31/05, 45/05, 22/07, 38/08, 9/10, 69/11).



## Natural and cultural heritage under international protection

UNESCO World Heritage List ([whc.unesco.org](http://whc.unesco.org)).<sup>1)</sup>

### Culture

Stari Ras – Monastery of Sopoćani (1979)

Studenica Monastery (1986)

Royal palace Felix Romuliana near  
Gamzigrad, 2007

Medieval Monuments in Kosovo

Dečani Monastery – 2004

Patriarchate of Peć Monastery – 2006

Gračanica Monastery – 2006

The Church of the Virgin of Ljeviška – 2006

Stećci – Tombstone Graveyards (2016)

### Biosphere reservations

Golija – Studenica Monastery (2005)<sup>2)</sup>

Bačko Podunavlje (2017)

### Ramsar sites<sup>3)</sup>

Obedska bara (1977)

Ludoško jezero (1977)

Stari Begej – Carska bara (1996)

Slano Kopovo (2004)

Labudovo okno (2006)

Peštersko polje (2006)

Gornje Podunavlje (2007)

Vlasina (2007)

Zasavica (2008)

Koviljsko – Petrovaradinski rit (2012)

IBA sites – Important Bird Areas<sup>4)</sup>

IPA sites – Important Plant Areas<sup>5)</sup>

PBA sites – Prime Butterfly Areas<sup>6)</sup>

61 potential EMERALD sites<sup>7)8)</sup>

101 Important Sites for Ecological Network<sup>9)</sup>

Source: Institute for Nature Conservation of Serbia.

<sup>1)</sup> Law on Ratification on the Convention on the Protection of the World Cultural and Natural Heritage (Official Journal of SFRY, 56/1974)

<sup>2)</sup> UNESCO – MAB program (Man and the Biosphere) ([www.unesco.org/mab](http://www.unesco.org/mab))

<sup>3)</sup> Decree on the Ratification on the Convention on wetlands of the international importance, especially as a wading bird habitat (Official Journal of SFRY, 9/1977) ([www.ramsar.wetlands.org](http://www.ramsar.wetlands.org))

<sup>4)</sup> 42 IBAs sites - Important Bird Areas ([www.birdlife.org](http://www.birdlife.org))

<sup>5)</sup> 61 IPAs sites - Important Plant Area ([www.plantlifeipa.org](http://www.plantlifeipa.org))

<sup>6)</sup> 40 PBAs sites - Prime Butterfly Areas ([www.butterfly-conservation.org](http://www.butterfly-conservation.org))

<sup>7)</sup> EMERALD Network includes 61 potential sites

<sup>8)</sup> Law on ratification of the Convention of the Conservation of European wild flora and fauna and natural habitats (Official Gazette of RS, 102/07).

<sup>9)</sup> 101 Important Sites for Ecological Network according to Decree on the Ecological Network (Official Gazette of RS no. 102/10\*).





## Important bird areas

IBA code	National name
1	Gornje Podunavlje
2	Karadorđevo
3	Subotica lake and sand bank
4	Bečej fish farm
5	Jegrička
6	Titel hill
7	Koviljski cape
8	Velike droplje pastures
9	Okanj I Rusanda
10	Gornje Potamišje
11	Srednje Potamišje
12	Fruška Gora
13	Labudovo okno
14	Bosutska forest
15	Zasavica
16	Obedska bara (pond)
17	Dunav reef
18	Jazovo – Mokrin
19	Slano Kopovo
20	Carska bara (Royal pond)
21	Uzdin fish farm
22	Vršački breg
23	Deliblatska peščara
24	Cer mountain
25	Valjevske mountains
26	Tara mountain
27	Ovčarsko-kablarska klisura, canyon
28	Uvac – Mileševka
29	Kopaonik
30	Prokletije
31	Šar-planina
32	Pčinja
33	Vlasina
34	Jerma
35	Suva planina
36	Stara planina – Vidlič
37	Sićevačka klisura, canyon
38	Zlotska klisura – Dubašnica, canyon
39	Resavska klisura, canyon
40	Dubovac – Ram
41	Đerdapska klisura, canyon
42	Mala Vrbica

Source: Institute for Nature Conservation of Serbia



## Population and households by censuses <sup>1)</sup>

Republic of Serbia

	Population	Males	Females	Population per 1 km <sup>2</sup>	Number of households	Members per household
1921	4 819 430	2 339 348	2 480 082	54.5	985 219	4.9
1931	5 725 912	2 828 106	2 897 806	64.7	1 157 254	5.0
1948	6 527 966	3 171 201	3 356 765	73.8	1 473 310	4.4
1953	6 979 154	3 411 534	3 567 620	78.8	1 616 205	4.3
1961	7 642 227	3 757 437	3 884 790	86.3	1 929 235	4.0
1971	8 446 591	4 173 735	4 272 856	95.4	2 248 038	3.8
1981	9 313 676	4 629 327	4 684 349	105.2	2 568 761	3.6
1991 <sup>2)</sup>	7 822 795	3 841 717	3 981 078	100.8	2 418 156	3.2
2002 <sup>2)</sup>	7 498 001	3 645 930	3 852 071	96.6	2 521 190	3.0
2011 <sup>2)3)</sup>	7 186 862	3 499 176	3 687 686	92.6	2 487 886	2.9

## Most frequent given names, 2011 Census <sup>3)</sup>

Republic of Serbia

	Females	Males
1.	Milica	Dragan
2.	Jelena	Milan
3.	Marija	Aleksandar
4.	Mirjana	Zoran
5.	Dragana	Nikola
6.	Snežana	Miloš
7.	Ljiljana	Marko
8.	Ivana	Goran
9.	Ana	Dušan
10.	Gordana	Dejan

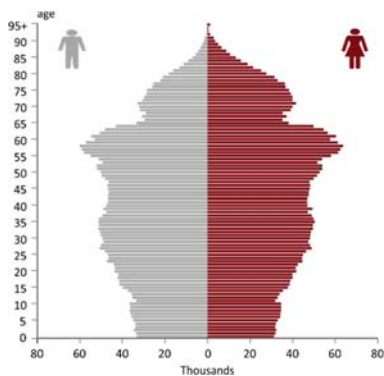
<sup>1)</sup> Indicator value changed due to the revised territorial area of the Republic of Serbia.

<sup>2)</sup> The census data in the period from 1948 to 1981 relate to the entire territory of the Republic of Serbia, while 1991, 2002 and 2011 censuses do not contain the data for the AP Kosovo and Metohija. Namely, 1991 Census was boycotted by the majority of the Albanian population, while in 2002 and 2011 there were no adequate conditions on the territory of the south Serbian province for the implementation of the census.

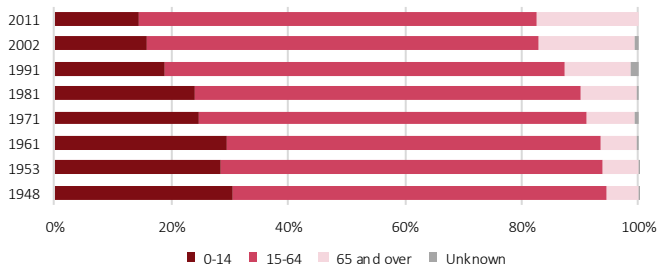
<sup>3)</sup> In 2011 Census recorded was undercoverage of census units owing to the boycott by the majority of the Albanian ethnic community in the municipalities of Preševo and Bujanovac.



## RS population by age and sex, 2011 Census



## Population by major age groups, 1948-2011 censuses <sup>1)</sup>



<sup>1)</sup> The census data in the period from 1948 to 1981 relate to the entire territory of the Republic of Serbia, while 1991, 2002 and 2011 censuses do not provide the data for the AP Kosovo and Metohija. Namely, 1991 Census was boycotted by the majority of the Albanian population, while in 2002 and 2011 there were no adequate conditions on the territory of the south Serbian province for the implementation of the census.

## Population by ethnicity, 2011 Census <sup>1)</sup>

	Republic of Serbia					
	Total	Srbija – sever		Srbija – jug		
		Beogradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
Total	7 186 862	1 659 440	1 931 809	2 031 697	1 563 916	...
Serbs	5 988 150	1 505 448	1 289 635	1 799 394	1 393 673	...
Albanians <sup>2)</sup>	5 809	1 252	2 251	591	1 715	...
Bosniaks	145 278	1 596	780	142 767	135	...
Bulgarians	18 543	1 188	1 489	365	15 501	...
Bunjevci	16 706	172	16 469	41	24	...
Vlachs	35 330	182	170	2 105	32 873	...
Goranci	7 767	5 328	1 179	694	566	...
Yugoslavs	23 303	8 061	12 176	1 635	1 431	...
Hungarians	253 899	1 810	251 136	433	520	...
Macedonians	22 755	6 970	10 392	1 854	3 539	...
Muslims	22 301	3 996	3 360	14 411	534	...
Germans	4 064	498	3 272	130	164	...
Roma people	147 604	27 325	42 391	20 649	57 239	...
Romanians	29 332	1 282	25 410	567	2 073	...
Russians	3 247	1 301	1 173	463	310	...
Ruthenians	14 246	245	13 928	38	35	...
Slovaks	52 750	2 104	50 321	164	161	...
Slovenes	4 033	1 539	1 815	287	392	...
Ukrainians	4 903	418	4 202	171	112	...
Croats	57 900	7 752	47 033	1 645	1 470	...
Montenegrins	38 527	9 902	22 141	3 805	2 679	...
Other	17 558	7 083	6 710	1 840	1 925	...
Did not declare	160 346	38 971	81 018	15 386	24 971	...
Regional affiliation	30 771	1 289	28 567	626	289	...
Unknown	81 740	23 728	14 791	21 636	21 585	...

<sup>1)</sup> 2011 Census was not conducted on the territory of the AP Kosovo and Metohija. In the municipalities of Presevo and Bujanovac recorded was undercoverage of the census units owing to the Census boycott by the majority of the Albanian ethnic community.

<sup>2)</sup> The data relate to enumerated population only.



## Population by religious affiliation, 2011 Census <sup>1)</sup>

	Republic of Serbia					
	Total	Srbija – sever		Srbija – jug		
		Beogradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
Total	7 186 862	1 659 440	1 931 809	2 031 697	1 563 916	...
Christian <sup>2)</sup>	6 555 931	1 500 312	1 764 443	1 819 924	1 471 252	...
Orthodox	6 079 396	1 475 168	1 357 137	1 798 203	1 448 888	...
Catholic	356 957	13 720	336 691	3 098	3 448	...
Protestant	71 284	3 128	64 029	690	3 437	...
Other Christian	3 211	797	1 340	298	776	...
Islam	222 828	31 914	14 206	161 115	15 593	...
Judaism	578	295	254	12	17	...
Eastern religions	1 237	541	394	134	168	...
Other religions	1 776	741	616	206	213	...
Agnostics	4 010	2 425	1 045	280	260	...
Not believers (atheist)	80 053	40 657	25 906	5 833	7 657	...
Did not declare	220 735	54 871	106 740	19 254	39 870	...
Unknown	99 714	27 684	18 205	24 939	28 886	...

<sup>1)</sup> 2011 Census was not conducted on the territory of the AP Kosovo and Metohija. In the municipalities of Presevo and Bujanovac recorded was undercoverage of the census units owing to the Census boycott by the majority of the Albanian ethnic community.

<sup>2)</sup> The difference between the total number of persons of Christian religious affiliation and the sum of the Orthodox, Catholic, Protestant and other Christian affiliations presents persons who declared themselves only as *Christian*.

## Population by mother tongue, 2011 Census <sup>1)</sup>

	Republic of Serbia					...
	Total	Srbija – sever		Srbija – jug		
		Beogradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	
Total	7 186 862	1 659 440	1 931 809	2 031 697	1 563 916	...
Serbian	6 330 919	1 574 693	1 485 791	1 843 583	1 426 852	...
Albanian <sup>2)</sup>	10 040	3 832	3 844	589	1 775	...
Bosnian	138 871	541	456	137 724	150	...
Bulgarian	13 337	584	601	235	11 917	...
Bunjevac dialect	6 835	10	6 821	2	2	...
Vlachian	43 095	179	178	2 856	39 882	...
Hungarian	243 146	1 330	241 164	292	360	...
Macedonian	12 706	4 772	3 694	1 451	2 789	...
German	2 190	430	1 418	170	172	...
Roma language	100 668	18 985	27 430	11 136	43 117	...
Romanian	29 075	1 442	24 133	1 154	2 346	...
Russian	3 179	1 442	819	560	358	...
Ruthenian	11 340	140	11 154	18	28	...
Slovak	49 796	1 792	47 760	126	118	...
Slovenian	2 269	1 130	630	238	271	...
Croatian	19 223	3 014	14 576	855	778	...
Montenegrin	2 519	809	1 193	301	216	...
Other languages	39 463	11 774	21 056	3 392	3 241	...
Did not declare	46 499	10 781	24 039	4 307	7 372	...
Unknown	81 692	21 760	15 052	22 708	22 172	...

<sup>1)</sup> 2011 Census was not conducted on the territory of the AP Kosovo and Metohija. In the municipalities of Presevo and Bujanovac recorded was undercoverage of the census units owing to the Census boycott by the majority of the Albanian ethnic community.

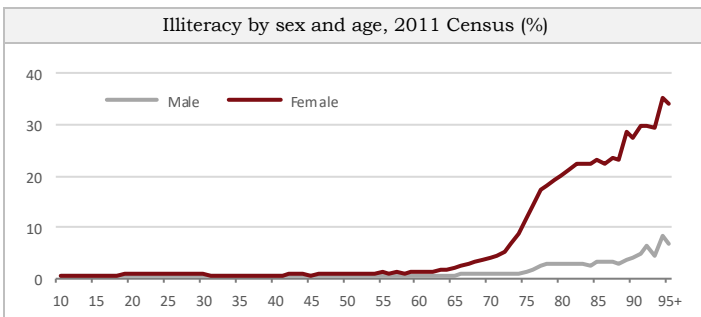
<sup>2)</sup> The data are relative to the enumerated population only.



## Population aged 15 and over by educational attainment, 2011 Census <sup>1)</sup>

	Republic of Serbia					
	Total	Srbija – sever		Srbija – jug		
		Beogradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
Total	6 161 584	1 426 710	1 654 339	1 733 212	1 347 323	...
Without education attainment	164 884	16 751	38 475	58 835	50 823	...
Incomplete primary education	677 499	58 259	176 738	240 810	201 692	...
Primary	1 279 116	198 842	359 761	406 000	314 513	...
Secondary	3 015 092	749 079	842 142	818 188	605 683	...
Higher/college	348 335	117 137	81 030	81 728	68 440	...
University education	652 234	279 642	151 844	121 276	99 472	...
Unknown	24 424	7 000	4 349	6 375	6 700	...

<sup>1)</sup> 2011 Census was not conducted on the territory of the AP Kosovo and Metohija. In the municipalities of Presevo and Bujanovac recorded was undercoverage of the census units owing to the Census boycott by majority of the Albanian ethnic community.

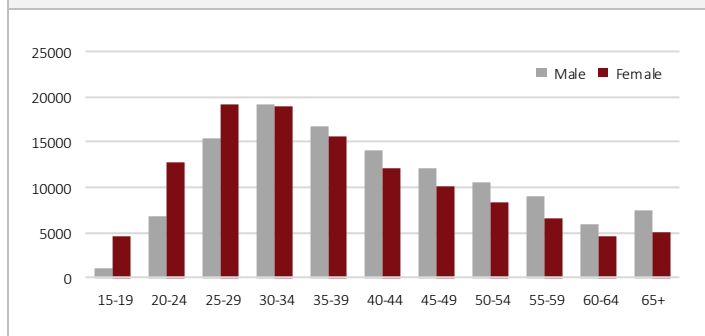


## Population aged 15 and over by formal marital status, 2011 Census <sup>1)</sup>

	Republic of Serbia					
	Total	Srbija – sever		Srbija – jug		
		Beogradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
Total	6 161 584	1 426 710	1 654 339	1 733 212	1 347 323	...
Never married	1 719 959	439 387	484 270	451 197	345 105	...
Married	3 396 240	741 316	878 210	1 004 754	771 960	...
Widowed	716 843	149 108	197 047	204 492	166 196	...
Divorced	303 970	87 440	91 422	67 494	57 614	...
Unknown	24 572	9 459	3 390	5 275	6 448	...

<sup>1)</sup> 2011 Census was not conducted on the territory of the AP Kosovo and Metohija. In the municipalities of Presevo and Bujanovac recorded was undercoverage of the census units owing to the Census boycott by the majority of the Albanian ethnic community.

Persons aged 15 and over who live in consensual community by age and sex, 2011 Census<sup>1)</sup>



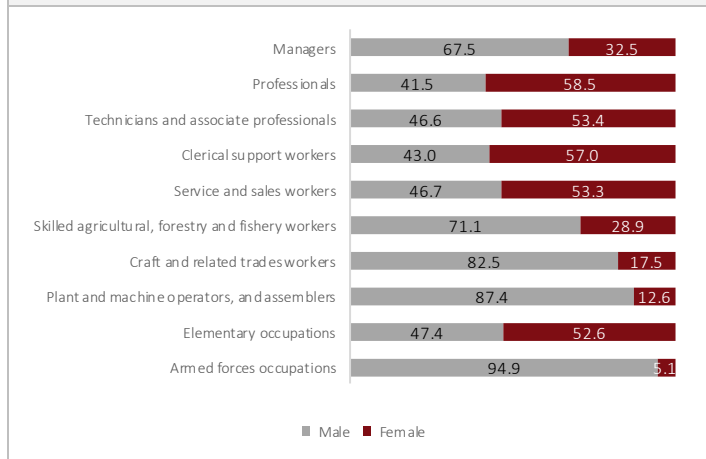


## Population by economic activity, 2011 Census <sup>1)</sup>

	Republic of Serbia					
	Total	Srbija – sever		Srbija – jug		
		Beogradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
Total	7 186 862	1 659 440	1 931 809	2 031 697	1 563 916	...
<i>Economically active</i>	2 971 220	722 108	785 960	833 660	629 492	...
Perform occupation	2 304 628	593 021	607 334	646 710	457 563	...
Un-employed	666 592	129 087	178 626	186 950	171 929	...
<i>Economically inactive</i>	4 215 642	937 332	1 145 849	1 198 037	934 424	...
Pensioners	1 628 428	392 906	426 252	437 244	372 026	...
Children, pupils/ students	1 592 294	374 689	425 035	458 586	333 984	...
Homemakers	599 371	86 568	180 230	191 052	141 521	...
Other	395 549	83 169	114 332	111 155	86 893	...

<sup>1)</sup> 2011 Census was not conducted on the territory of the AP Kosovo and Metohija. In the municipalities of Presevo and Bujanovac recorded was undercoverage of the census units owing to the Census boycott by majority of the Albanian ethnic community.

### Economically active population with occupation, by occupation and sex, 2011 Census (%)



## Population changes

Republic of Serbia

Part I

	Live births	Deaths		Natural increase	Marriages	Dissolved marriages
		Total	Infants			
1953	186 267	84 894	20 186	101 373	70 875	7 952
1961	155 783	69 749	12 917	86 034	70 201	10 609
1971	151 130	76 184	8 027	74 946	77 845	10 111
1981	151 518	87 763	5 309	63 755	69 499	9 797
1991	142 641	97 598	3 079	45 043	57 704	8 372
2002	78 101	102 785	790	-24 684	41 947	9 982
2011	65 598	102 935	414	-37 337	35 808	8 251
2016	64 734	100 834	348	-36 100	35 921	9 046
2017	64 894	103 722	305	-38 828	36 047	9 262
2018	63 975	101 655	311	-37 680	36 321	9 995

## Population changes

Republic of Serbia

Part II

	Live births	Deaths	Natural increase	Population average age			Life expectancy	
	per 1000 inhabitants			Total	Male	Female	Children, male	Children, female
1953	26.6	12.1	14.5	29.4	28.4	29.9	58.7	60.4
1961	20.3	9.1	11.2	30.5	29.6	31.4	62.4	64.9
1971	17.9	9.0	8.9	32.4	31.5	33.3	66.2	70.0
1981	16.2	9.4	6.8	33.7	32.8	34.6	67.8	72.6
1991	14.6	10.0	4.6	34.9	33.9	36.0	68.4	74.2
2002	10.4	13.7	-3.3	40.2	39.0	41.5	69.7	75.0
2011	9.0	14.2	-5.2	42.1	40.7	43.4	71.6	76.8
2016	9.2	14.3	-5.1	42.9	41.5	44.2	73.0	78.0
2017	9.2	14.8	-5.5	43.0	41.6	44.4	73.0	77.9
2018	9.2	14.6	-5.4	43.2	41.7	44.5	73.2	78.1



## Main contingents and indicators of population, 2018

	Republic of Serbia		
	Total	Srbija – sever	Srbija – jug
Total population	6 982 604	3 552 056	3 430 548
Average age	43.2	42.6	43.7
Ageing index <sup>1)</sup>	142.9	136.0	150.2
<b>Main population contingents</b>			
Working age (15–64)			
Number	4 573 672	2 348 140	2 225 532
%	65.5	66.1	64.9
Adults (18+)			
Number	5 767 680	2 926 099	2 841 581
%	82.6	82.4	82.8
Pre-school (0–6)			
Number	456 554	247 386	209 168
%	6.5	7.0	6.1
Compulsory education (7–14)			
Number	544 042	274 970	269 072
%	7.8	7.7	7.8
Fertile age (15–49)			
Number	1 523 675	802 422	721 253
%	21.8	22.6	21.0
<b>Life expectancy at birth</b>			
Male	73.2	73.1	73.3
Female	78.1	78.2	78.4

<sup>1)</sup> Ratio between old-age (60+) and young (0–19) population.



## Gross domestic product (GDP) <sup>1)</sup>

Republic of Serbia

	2016	2017	2018	2019 <sup>2)</sup>
GDP, at current prices – total, RSD million	4 521 265	4 754 368	5 068 589	5 410 794
GDP, at current prices – per capita, RSD	640 558	677 178	725 888	776 993
Mid-year population, thousand	7 058	7 021	6 983	6 964
GDP - total, USD million	40 626	44 227	50 545	51 396
GDP – per capita, USD	5 756	6 299	7 239	7 381
Average exchange rate, USD	111.2903	107.4987	100.2784	105.2762
GDP - total, EUR million	36 723	39 183	42 856	45 911
GDP – per capita, EUR	5 203	5 581	6 138	6 593
Average exchange rate, EUR	123.1179	121.3367	118.2716	117.8524
Real growth rate (%)	3.3	2.0	4.4	4.2
GNI, at current prices - total, RSD million	4 271 460	4 445 979	4 806 758	...
GNI - total, USD million	38 381	41 358	47 934	...
GNI - total, EUR million	34 694	36 642	40 642	...

<sup>1)</sup> Starting from 1999 the Statistical Office of the Republic of Serbia has not at disposal and may not provide available certain data relative to AP Kosovo and Metohia and therefore these data are not included in the coverage for the Republic of Serbia (total).

<sup>2)</sup> Estimate - as the sum of four quarters.



**Gross domestic product use <sup>1)</sup> (continued)**  
 Republic of Serbia

	2016	2017	2018	2019 <sup>2)</sup>
RSD mill.				
Gross domestic product	4 521 265	4 754 368	5 068 589	5 410 794
Final consumption expenditure	3 929 025	4 136 271	4 351 183	4 609 307
Individual consumption expenditure – total	3 611 271	3 796 274	3 978 291	...
Individual consumption expenditure – household sector	3 152 470	3 310 993	3 452 794	3 624 383
Individual consumption expenditure – NPISHs <sup>3)</sup> sector	54 618	56 481	59 088	61 759
Individual consumption expenditure – general govt. sector	404 184	428 800	466 409	923 164
Collective consumption expenditure	317 754	339 997	372 892	...
Gross fixed capital formation	766 310	843 695	1 016 501	1 213 793
Changes in inventories	43 366	87 772	132 611	61 160
Statistical discrepancy	-	-	-	-
Acquisitions less disposals of valuables	5	5	5	4.8
Exports of goods and services	2 198 034	2 402 895	2 573 602	2 810 735
Imports of goods and services	2 415 475	2 716 269	3 005 314	3 284 207
Share, %				
Gross domestic product	100.0	100.0	100.0	100.0
Final consumption expenditure	86.9	87.0	85.8	85.2
Individual consumption expenditure - total	79.9	79.8	78.5	...
Individual consumption expenditure – household sector	69.7	69.6	68.1	67.0
Individual consumption expenditure – NPISHs <sup>3)</sup> sector	1.2	1.2	1.2	1.1
Individual consumption expenditure – general govt. sector	8.9	9.0	9.2	17.1 <sup>4)</sup>
Collective consumption expenditure	7.0	7.2	7.4	...
Gross fixed capital formation	16.9	17.7	20.1	22.4
Changes in inventories	1.0	1.8	2.6	1.1
Statistical discrepancy	-	-	-	-
Acquisitions less disposals of valuables	0.0	0.0	0.0	0.0
Exports of goods and services	48.6	50.5	50.8	51.9
Imports of goods and services	53.4	57.1	59.3	60.7

<sup>1)</sup> Starting from 1999 the Statistical Office of the Republic of Serbia has not at disposal and may not provide available certain data relative to AP Kosovo and Metohia and therefore these data are not included in the coverage for the Republic of Serbia (total).

<sup>2)</sup> Estimate - as the sum of four quarters.

<sup>3)</sup> Non-profit institutions serving households.

<sup>4)</sup> Collective consumption expenditure included.



## Population by activity <sup>1)</sup>, 2018

	Republic of Serbia					
	Total	Srbija – sever		Srbija – jug		
		Beo-gradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija

### Population aged 15+ (thousand)

Population aged 15+	5 923.9	1 437.5	1 586.3	1 640.7	1 259.4	...
Active	3 236.9	806.8	844.4	918.4	667.3	...
Employed persons	2 901	740.5	768.1	812.4	580.0	...
Formal employment	2 371.8	661.8	651.7	617.9	440.4	...
Informal employment	529.2	78.7	116.4	194.5	139.6	...
Unemployed persons	335.9	66.4	76.3	106.0	87.2	...
Inactive	2 687	630.7	741.9	722.3	592.2	...

### Population aged 15+ (%)

Rate of activity	54.6	56.1	53.2	56	53	...
Rate of employment	49.0	51.5	48.4	49.5	46.1	...
Rate of unemployment	10.4	8.2	9.0	11.5	13.1	...
Rate of inactivity	45.4	43.9	46.8	44.0	47.0	...

### Young population (15–24) (%)

Rate of activity	29.6	26.0	33.8	28.8	29.2	...
Rate of employment	21.5	19.8	26.3	19.3	20.0	...
Rate of unemployment	27.5	23.8	22.2	32.8	31.5	...
Rate of inactivity	70.4	74.0	66.2	71.2	70.8	...

<sup>1)</sup> Source: Labor Force Survey.



## Registered employment <sup>1)</sup>, 2015–2019

Republic of Serbia

Annual average

	2015	2016	2017	2018	2019
<b>Employed persons, total</b>					
(Employees at legal entities, persons individually running business, unincorporated enterprises and their employees)	1 896 295	1 920 679	1 977 357	2 052 546	2 101 267
A Agriculture, forestry and fishing	36 708	33 313	33 067	32 679	30 875
B Mining and quarrying	22 388	24 169	24 466	24 246	25 989
C Manufacturing	380 336	393 906	417 564	444 888	459 647
D Electricity, gas, steam and air conditioning supply	31 363	30 533	28 724	27 295	26 015
E Water supply, sewerage, waste management and remediation activities	38 107	33 970	34 716	34 123	35 602
F Construction	88 131	88 127	89 202	96 292	105 671
G Wholesale and retail trade and repair of motor vehicles and motorcycles	315 003	324 603	332 725	339 150	342 569
H Transportation and storage	117 084	113 161	115 079	117 773	119 006
I Accommodation and food service activities	65 363	67 902	71 744	78 487	82 459
J Information and communication	53 878	55 507	59 650	63 935	67 481
K Financial and insurance activities	45 806	44 524	43 746	43 774	43 849
L Real estate activities	5 055	5 565	5 743	6 189	6 747
M Professional, scientific and technical activities	90 007	91 527	96 284	101 825	108 935
N Administrative and support service activities	76 890	85 324	91 557	105 046	106 631
O Public administration and defence; compulsory social security	161 148	158 859	159 118	158 049	157 403
P Education	132 984	138 473	139 979	140 794	146 247
Q Human health and social work activities	166 447	159 535	159 688	160 595	156 920
R Arts, entertainment and recreation	31 889	32 613	33 848	35 340	36 595
S Other service activities	37 677	39 066	40 458	42 068	42 626
<b>Registered individual farmers</b>	<b>93 320</b>	<b>89 106</b>	<b>85 231</b>	<b>78 533</b>	<b>71 868</b>

<sup>1)</sup> Source: Registered employment survey, based on combining data of the Central register of social contribution payers (CRSCP) and the Statistical business register (SBR).

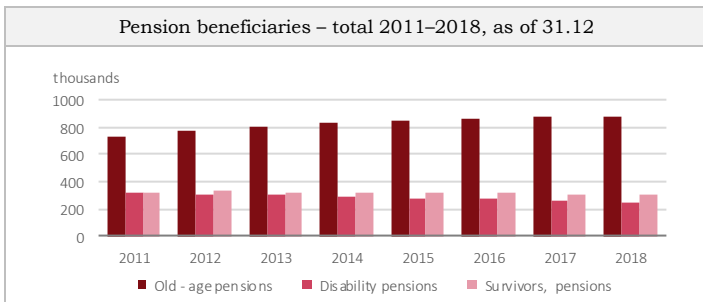


## Pension beneficiaries, 2015–2019

As of 31 December

	2015	2016	2017	2018	2019
Pension and disability insurance beneficiaries, all categories	1 735 942	1 728 138	1 720 435	1 715 152	1 708 293
Old-age pension	1 064 380	1 070 104	1 076 890	1 085 144	1 092 000
Disability pension	312 357	303 077	293 835	285 192	276 286
Survivors' pension	359 205	354 957	349 710	344 816	340 007
Beneficiaries pursuant to pension and disability insurance of employed, total	1 453 469	1 449 278	1 445 724	1 443 397	1 439 962
Old-age	853 834	862 468	872 512	883 184	892 470
Disability	280 497	271 344	262 277	253 773	245 225
Survivors' pension	319 138	315 466	310 935	306 440	302 267
Beneficiaries pursuant to pension and disability insurance of agricultural workers, total	200 923	193 645	185 791	178 400	170 582
Old-age	163 596	157 284	150 496	143 941	137 306
Disability	14 033	13 878	13 701	13 557	13 231
Survivors' pension	23 294	22 483	21 594	20 902	20 045
Beneficiaries pursuant to pension and disability insurance of individual entrepreneurs, total	81 550	85 215	88 920	93 355	97 749
Old-age	46 950	50 352	53 882	58 019	62 224
Disability	17 827	17 855	17 857	17 862	17 830
Survivors' pension	16 773	17 008	17 181	17 474	17 695

Source: Pension and Disability Insurance Fund.





## Average pensions, 2015–2019.

Republic of Serbia

RSD

	2015	2016	2017	2018	2019
Pension and disability insurance beneficiaries, all categories	23 466	23 799	24 984	26 324	26 336
Old-age pension	25 194	25 504	26 736	28 380	28 360
Disability pension	22 680	22 971	24 039	24 898	24 791
Survivors' pension	19 029	19 365	20 382	21 031	21 091
Beneficiaries pursuant to pension and disability insurance of employed, total	24 969	25 234	26 753	28 214	28 165
Old-age	27 662	27 827	29 325	31 125	30 972
Disability	22 970	23 234	24 648	25 583	25 492
Survivors' pension	19 623	19 966	21 311	22 004	22 048
Beneficiaries pursuant to pension and disability insurance of agricultural workers, total	10 340	10 491	11 200	11 240	11 265
Old-age	10 679	10 835	11 567	11 611	11 636
Disability	11 079	11 241	11 991	12 006	12 009
Survivors' pension	7 514	7 623	8 146	8 186	8 230
Beneficiaries pursuant to pension and disability insurance of individual entrepreneurs, total	23 723	23 784	25 024	25 919	25 683
Old-age	26 179	26 059	27 188	28 202	27 795
Disability	23 093	23 149	24 344	24 948	24 631
Survivors' pension	17 708	17 884	18 945	20 902	19 315

Source: Pension and Disability Insurance Fund.



## Unemployed persons by educational attainment <sup>1)</sup>, 2018 and 2019

As of 31 December

	2018	2019
<b>Total</b>	<b>552 513</b>	<b>506 865</b>
University, vocational higher, and secondary vocational education	244 274	225 043
Highly skilled and skilled	123 621	111 185
Semi-skilled and lower professional education	18 617	16 503
Unskilled	166 001	154 134
<b>Women</b>	<b>294 978</b>	<b>277 678</b>
University, vocational higher and secondary vocational education	148 207	138 943
Highly skilled and skilled	51 296	47 984
Semi-skilled and lower professional education	9 549	8 601
Unskilled	85 926	82 150

Source: National Employment Service.

<sup>1)</sup> Pursuant to Article 2 of the Law on employment and insurance in case of unemployment, (Official gazette of RS, no 36/09).

## Average salaries and wages per employee, by sex and age groups, year 2019

Republic of Serbia

Age groups	Salaries and wages, gross, RSD			Salaries and wages, net, RSD		
	Total	Men	Women	Total	Men	Women
<b>Total</b>	<b>75 823</b>	<b>79 643</b>	<b>71 355</b>	<b>54 926</b>	<b>57 711</b>	<b>51 652</b>
15-19	48 355	49 354	46 449	35 281	35 963	33 978
20-24	55 309	56 733	53 054	40 227	41 218	38 659
25-29	67 742	69 456	65 540	49 026	50 254	47 448
30-34	74 359	78 409	69 365	53 822	56 754	50 207
35-39	79 209	84 883	72 961	57 403	61 554	52 832
40-44	80 906	87 328	74 425	58 700	63 417	53 941
45-49	78 746	84 861	72 617	57 083	61 551	52 604
50-54	75 924	81 305	70 459	54 938	58 854	50 961
55-59	75 789	78 029	73 462	54 777	56 434	53 055
60-64	81 115	79 653	83 645	58 590	57 604	60 298
65+	99 716	99 226	101 519	72 411	72 145	73 390
Unknown	85 687	...	...	63 347	...	...

Source: Data from PPP-PD Tax declaration form for tax upon deduction.



## Chain indices of nominal and real net average salaries and wages, 2013–2019

Previous year = 100

	Chain indices of nominal net average salaries and wages	Chain indices of real net average salaries and wages <sup>1)</sup>
2013	106.2	98.5
2014	101.4	98.5
2015	99.8	97.9
2016	103.7	102.5
2017	103.9	100.9
2018*	106.5	104.4
2019	110.6	108.5

<sup>1)</sup> Indices of real net average salaries and wages represent the ratio of nominal net average s&w index and consumer price index.

\*Source: Starting from 2018 – the form *PPP-PD* Tax declaration form.



## Average salaries and wages, indices of nominal and real average s&w by activities, 2018 and 2019

RSD

	Average gross s&w		Indices of average gross s&w (previous year = 100)			
			Nominal		Real	
	2018*	2019	2018	2019	2018	2019
Total	68 629	75 814	106.0	110.5	103.9	108.4
Agriculture, forestry and fishing	59 111	65 380	105.3	110.6	103.2	108.5
Mining and quarrying	107 378	121 870	100.9	113.5	98.9	111.4
Manufacturing	62 490	68 188	106.0	109.1	103.9	107.1
Electricity, gas, steam and air conditioning supply	112 862	126 206	100.2	111.8	98.2	109.7
Water supply, sewerage, waste management and remediation activities	60 539	65 333	106.0	107.9	103.9	105.9
Construction	60 245	68 311	106.6	113.4	104.5	111.3
Wholesale and retail trade and repair of motor vehicles and motorcycles	57 559	63 452	107.9	110.2	105.8	108.1
Transportation and storage	62 306	68 964	105.1	110.7	103.0	108.6
Accommodation and food service activities	43 531	47 328	107.7	108.7	105.6	106.7
Information and communication	115 116	133 402	107.8	115.9	105.7	113.7
Financial and insurance Activities	125 714	133 877	102.3	106.5	100.3	104.5
Real estate activities	69 411	75 466	102.3	108.7	100.3	106.7
Professional, scientific and technical activities	84 265	94 777	106.5	112.5	104.4	110.4
Administrative and support Service activities	59 752	67 318	105.7	112.7	103.6	110.6
Public administration and defence; compulsory social security	80 946	90 164	107.3	111.4	105.2	109.3
Education	71 935	78 563	106.8	109.2	104.7	107.2
Human health and social work activities	68 133	76 787	108.8	112.7	106.7	110.6
Arts, entertainment and recreation	57 244	63 252	106.8	110.5	104.7	108.4
Other service activities	53 570	57 574	103.6	107.5	101.6	105.5

\*Source: Starting from 2018 – the form PPP-PD Tax declaration form.



Structure of income in money and in kind and individual consumption in the Republic of Serbia, by years All households (%)

	2015	2016	2017	2018
<b>Monthly average</b>				
Number of households surveyed	6 531	6 457	6 403	6 296
Number of households assessed	2 466 316	2 466 316	2 466 316	2 466 316
Members, average number	2.81	2.74	2.70	2.66
<b>Income in money and in kind – total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<b>Household income in money</b>	<b>95.5</b>	<b>95.6</b>	<b>96.3</b>	<b>96.6</b>
Regular salaries and wages	47.9	49.2	49.6	49.1
Other income	3.0	2.5	2.8	2.8
Pensions (old-age, family, disablement and other)	31.0	30.9	31.9	32.3
Other social insurance receipts	3.3	3.0	2.6	2.7
Income from	5.0	4.5	4.3	4.5
agriculture, hunting and fishing	1.0	1.1	1.1	1.2
External receipts	0.6	0.7	0.6	0.6
Real estate related income	0.9	1.0	0.7	0.7
Donations and awards	2.8	2.7	2.7	2.7
<b>Other receipts</b>	<b>4.5</b>	<b>4.4</b>	<b>3.7</b>	<b>3.4</b>
Household receipts in kind	0.1	0.1	0.1	0.1
Earned receipts in kind	4.4	4.3	3.6	3.3
<b>Individual consumption – total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Food and non-alcoholic beverages	35.6	34.9	34.5	34.3
Alcoholic beverages and tobacco	4.6	4.6	4.7	4.9
Clothing and footwear	5.0	5.2	5.3	5.3
Housing, water, electricity, gas and other fuels	16.6	16.7	17.1	16.7
Furnishings, household, equipment and routine household maintenance	4.5	4.4	4.4	4.2
Health	4.1	4.3	4.4	4.5
Transport	9.5	9.3	8.9	9.3
Communications	5.3	5.3	5.3	5.2
Recreation and culture	5.2	5.2	5.2	5.1
Education	1.2	1.4	1.4	1.5
Restaurants and hotels	2.7	2.8	2.9	3.1
Miscellaneous goods and services	5.7	5.9	5.9	5.9



## Price indices

Republic of Serbia

Previous year = 100

	Indices (COICOP)	Producer prices of industrial products	Producer prices of agricultural and fishing products	Prices of catering services
1999	-	143.2	143.1	141.9
2000	-	202.6	255.3	205.9
2001	-	187.7	171.2	182.4
2002	-	108.8	101.1	121.7
2003	-	104.6	100.5	110.5
2004	-	109.1	110.0	106.7
2005	-	114.2	115.6	119.2
2006	-	113.3	109.2	121.7
2007	106.5	105.9	116.7	106.6
2008	111.7	112.4	126.3	109.4
2009	108.4	105.6	95.6	110.9
2010	106.5	112.7	114.9	105.1
2011	111.0	114.2	118.1	104.2
2012	107.8	105.6	125.8	106.1
2013	107.8	103.6	98.7	105.9
2014	102.9	100.7	97.3	100.8
2015	101.9	100.2	99.2	101.5
2016	101.2	99.6	99.1	99.8
2017	103.0	103.4	105.0	101.7
2018	102.0*	102.2	95.8	100.5
2019	101.7	100.7	102.7	101.5

## Consumer price indices (COICOP)

Republic of Serbia

∅ 2006 = 100

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
2008	114.0	114.6	116.4	118.2	120.3	121.2	119.8	120.3	121.4	123.7	123.9	122.7
2009	125.4	126.9	127.4	128.6	131.3	131.3	130.0	129.9	130.3	130.1	131.1	130.8
2010	131.4	131.8	133.4	134.1	136.1	136.7	136.6	138.5	140.3	141.7	143.7	144.2
2011	146.2	148.3	152.2	153.8	154.4	154.0	153.2	153.1	153.3	154.0	155.3	154.3
2012	154.4	155.7	157.4	158.3	160.5	162.4	162.6	165.3	169.1	173.8	173.8	173.1
2013	174.1	175.1	175.1	176.5	176.5	178.2	176.6	177.3	177.3	177.6	176.5	176.9
2014	179.5	179.7	179.1	180.1	180.2	180.4	180.2	179.9	181.1	180.8	180.8	180.0
2015	179.6	181.1	182.4	183.4	182.9	183.8	182.1	183.7	183.7	183.3	183.1	182.8
2016	183.8	183.7	183.5	184.2	184.3	184.5	184.3	185.9	184.8	186.1	185.9	185.6
2017	188.3	189.6	190.0	191.5	190.6	191.0	190.2	190.5	190.7	191.2	191.1	191.2
2018	191.8	192.4	192.7	193.5	194.7	195.4	194.8	195.4	194.8	195.4	194.8	195.0
2019	195.7	197.1	198.0	199.4	198.9	198.4	197.9	197.9	197.0	197.3	197.6	198.6



## Chain indices of agricultural production, 2016–2018

Previous year = 100

Part I

	Agriculture, Total <sup>1)</sup>	Crop production			
		All	Crop farming	Fruit growing	Viticulture
2016	109.0	119.5	124.7	102.2	85.5
2017	88.1	76.5	71.9	94.7	113.5
2018	114.3	125.5	130.8	109.3	90.4

<sup>1)</sup> Indices computed on the basis of the index list that includes 56 major agricultural products, the production which is statistically established. Three-year fluctuating average values of producer prices on the level of Republic of Serbia were taken as weighting coefficients. Total agricultural production index was computed on the basis of final net production.

## Chain indices of agricultural production, 2016–2018

Previous year = 100

Part II

	Livestock breeding				
	All	Cattle breeding <sup>1)</sup>	Pig breeding	Sheep breeding <sup>2)</sup>	Poultry Breeding <sup>3)</sup>
2016	98.3	99.3	104.5	89.1	95.1
2017	101.5	100.3	100.7	107.4	102.1
2018	101.3	99.4	98.6	103.3	106.5

<sup>1)</sup> Increase of cattle and cow's milk production.

<sup>2)</sup> Increase of sheep, wool and sheep milk production.

<sup>3)</sup> Increase of poultry and eggs production.



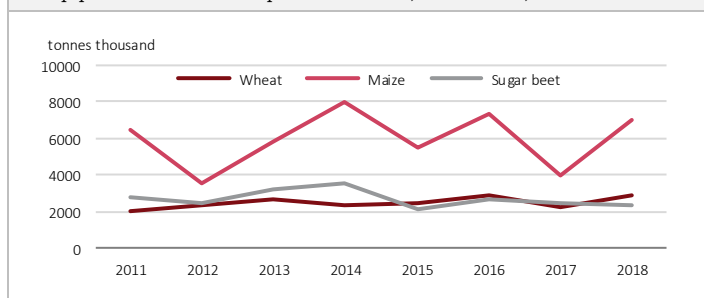
## Crop production

Republic of Serbia

	2014	2015	2016	2017	2018
Production, tonnes thousand					
Wheat	2 387	2 428	2 885	2 276	2 942
Rye	12	13	14	11	13
Maize	7 952	5 454	7 377	4 018	6 965
Sunflower	509	437	621	541	734
Tobacco	9	9	8	7	7
Sugar beet	3 507	2 183	2 684	2 513	2 325
Potatoes	592	639	714	589	488
Plums <sup>1)</sup>	401	355	471	331	430
Apples <sup>1)</sup>	336	432	400	379	460
Grapes	122	171	146	166	149
Yield per ha, t					
Wheat	3.9	4.1	4.8	4.1	4.6
Rye	2.1	2.3	2.9	2.4	2.8
Maize	7.5	5.4	7.3	4.0	7.7
Sunflower	2.9	2.6	3.1	2.5	3.1
Tobacco	1.9	1.8	1.5	1.4	1.2
Sugar beet	54.7	51.8	54.5	46.7	48.3
Potatoes	11.4	15.3	17.8	15.3	17.3
Plums <sup>1)</sup>	5.2	4.8	6.4	4.6	6.0
Apples <sup>1)</sup>	14.2	17.5	16.1	15.1	17.8
Grapes	5.8	8.0	6.9	7.8	7.4

<sup>1)</sup> The revision of orchards statistics time series 2013 – 2016 was carried out.

Crop production in the Republic of Serbia, 2011–2018, tonnes thousand





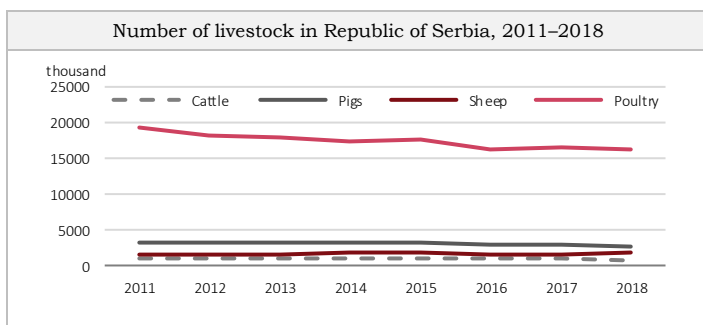
## Number of livestock

Republic of Serbia

Heads, thousand

	2014	2015	2016	2017	2018
Cattle	920	916	893	899	878
Pigs	3 236	3 284	3 021	2 911	2 782
Sheep	1 748	1 789	1 665	1 704	1712
Poultry	17 167	17 450	16 242	16 338	16 232

As of 1 December



## Meat and milk production

Republic of Serbia

	2014	2015	2016	2017	2018
<b>Meat, t thousand</b>					
Beef	73	77	77	71	76
Pork	258	278	301	307	303
Mutton	27	30	34	30	32
Poultry	94	86	88	95	106
<b>Milk <sup>1)</sup>, litres million</b>					
Total	1 476	1 489	1 483	1 481	1 475

<sup>1)</sup> Cow's and sheep milk for human consumption and processing.



## Forest area

Republic of Serbia

ha

	Total	State ownership	Private ownership
2017	2 237 511	963 458	1 274 053
Beogradski region	61 991	15 458	46 533
Region Vojvodine	131 450	120 289	11 161
Region Šumadije i Zapadne Srbije	980 213	403 731	576 482
Region Južne i Istočne Srbije	1 063 857	423 980	639 877
Region Kosovo i Metohija	...	...	...

## Felled timber

Republic of Serbia

m<sup>3</sup> thousand

	Gross wood-stock, total	By ownership		By species	
		State	Private	Broad-leaved	Conifers
2014	2 679	2 173	506	2 295	384
2015	2 954	2 372	582	2 552	402
2016	3 159	2 391	768	2 734	425
2017	3 217	2 299	918	2 808	409
2018	3 269	2 347	922	2 846	423
Beogradski region	100	93	7	99	1
Region Vojvodine	625	596	29	622	3
Region Šumadije i Zapadne Srbije	1 357	866	491	1 017	340
Region Južne i Istočne Srbije	1 187	792	395	1 108	79
Region Kosovo i Metohija	...	...	...	...	...

## Damage to forests, 2014–2018

Republic of Serbia

	2014	2015	2016	2017	2018
Illicit felling, m <sup>3</sup>	26 086	22 892	20 169	25 131	22 833
Other damages, caused by man <sup>1)</sup> , m <sup>3</sup>	438	1 501	1 591	1 196	1 852
By pests, m <sup>3</sup>	29 861	32 680	40 520	27 303	16 506
By inclement weather, m <sup>3</sup>	41 107	116 431	86 826	44 074	74 495
By plant diseases, m <sup>3</sup>	14 769	13 218	3 724	17 504	16 798
By fire <sup>2)</sup>					
ha	284	827	296	996	303
m <sup>3</sup>	10 256	5 059	37 114	6 127	707

<sup>1)</sup> Covered is theft of forest assortments, illicit pasture, illicit occupation, environmental pollution and other damages caused by man.

<sup>2)</sup> Covered is damage by fire in private forests.



## Primary energy production, 2017

	TJ	%
<b>REPUBLIC OF SERBIA</b>	<b>442 827</b>	<b>100</b>
Coal	302 127	69
Hydro Energy	35 107	8
Solar photovoltaic	47	0
Wind Energy	175	0
Crude oil and natural gas liquid	40 914	9
Firewood, wood chips and residue <sup>1)</sup>	45 395	10
Natural gas	18 117	4
Geothermal energy	222	0
Biogas	723	0

<sup>1)</sup> Final consumption of biomass data are taken over from the Ministry of Mining and Energy.

## Transformation output, 2017

	TJ	%
<b>REPUBLIC OF SERBIA</b>	<b>311 362</b>	<b>100</b>
Oil Derivates	161 989	52
Thermal-electricity	98 035	31
Heat	37 088	12
Coal transformation	9 035	3
Charcoal, wood pellets and briquettes	5 215	2

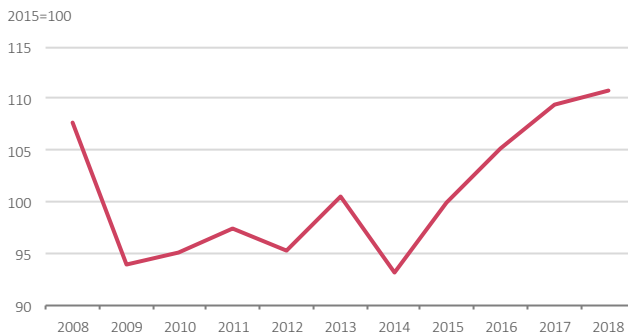
## Energy available for final consumption, 2017

	TJ	%
<b>REPUBLIC OF SERBIA</b>	<b>402 005</b>	<b>100</b>
Oil Derivates	142 311	35
Electricity	101 247	25
Natural gas	54 965	14
Coal and coal products	27 984	7
Heat	31 450	8
Wood fuels <sup>1)</sup>	43 502	11
Geothermal energy	221	0
Biogas	325	0

<sup>1)</sup> Final consumption of biomass data are taken over from the Ministry of Mining and Energy.



### Industrial production in Republic of Serbia, 2008–2018



### Base indices of industrial production by MIGS and sections, 2014–2018

2015 = 100

	2014	2015	2016	2017	2018
Industry total	93.2	100.0	105.2	109.3	110.7
Energy	88.4	100.0	101.7	100.0	101.2
Intermediate goods, excluded energy	95.0	100.0	111.1	121.9	126.2
Capital goods	92.5	100.0	101.6	108.8	111.0
Durable consumer goods	99.8	100.0	105.3	108.0	110.0
Non-durable consumer goods	96.0	100.0	104.7	107.3	105.9
Mining and quarrying	89.1	100.0	103.2	105.5	100.4
Manufacturing	94.6	100.0	106.0	112.7	114.9
Electricity, gas, steam and air conditioning supply	88.9	100.0	102.7	96.4	97.5



## Indices of industrial production by activities, 2014–2018

Previous year = 100

	2014	2015	2016	2017	2018
Industry total	92.7	107.3	105.2	103.9	101.3
Energy	86.8	113.1	101.7	98.4	101.2
Intermediate goods, excluded energy	98.6	105.3	111.1	109.8	103.6
Capital goods	73.5	108.1	101.7	107.0	102.0
Durable consumer goods	92.5	100.2	105.3	102.6	101.8
Non-durable consumer goods	100.6	104.1	104.7	102.5	98.7
Mining and quarrying	84.2	112.2	103.2	102.2	95.2
Mining of coal and lignite	74.4	125.0	101.7	103.1	93.2
Extraction of crude petroleum and natural gas	95.5	94.2	92.3	94.6	96.6
Mining of metal ores	93.7	87.5	114.5	103.0	98.8
Other mining and quarrying	106.9	116.2	111.9	106.6	99.3
Manufacturing	95.2	105.7	106.0	106.3	101.9
Manufacture of food products	104.0	100.0	105.6	99.7	97.9
Manufacture of beverages	98.4	104.2	100.1	104.8	102.5
Manufacture of tobacco products	97.6	157.7	122.5	110.2	92.9
Manufacture of textile	81.0	120.5	92.4	113.0	93.5
Manufacture of wearing apparel	98.9	95.8	109.9	101.4	103.0
Manufacture of leather and related products	98.6	94.2	94.4	96.6	105.9
Manufacture of wood and of products of wood and cork, except furniture	113.4	91.8	98.9	110.7	101.2
Manufacture of paper and paper products	96.7	104.4	104.7	108.0	103.9
Printing and reproduction of recorded media	93.9	107.5	109.6	87.7	101.3
Manufacture of coke and refined petroleum products	97.4	110.1	100.8	107.3	107.2
Manufacture of chemicals and chemical products	80.9	105.8	118.5	114.8	101.1
Manufacture of basic pharmaceutical products and pharmaceutical preparations	99.6	107.6	101.2	110.7	100.1
Manufacture of rubber and plastic products	97.5	110.2	114.1	112.7	101.4
Manufacture of other non-metallic mineral products	102.9	101.1	107.0	103.5	107.7
Manufacture of basic metals	109.2	122.4	112.6	112.5	110.6
Manufacture of fabricated metal products, except machinery and equipment	53.5	101.9	108.9	110.5	101.8
Manufacture of computer, electronic and optical products	113.0	86.9	115.9	105.7	83.7
Manufacture of electrical equipment	105.2	101.5	102.5	105.6	96.2
Manufacture of machinery and equipment n.e.c	87.1	137.3	96.0	129.5	108.4
Manufacture of motor vehicles, trailers and semi-trailers	93.2	91.7	93.8	92.5	95.9
Manufacture of other transport equipment	90.3	71.0	132.0	104.4	111.8
Manufacture of furniture	77.8	98.1	108.0	107.0	106.3
Other manufacturing	94.2	147.6	109.1	104.5	119.3
Repair and installation of machinery and equipment	90.3	92.1	99.3	83.8	120.7
Electricity, gas, steam and air conditioning supply	85.1	112.5	102.7	93.8	101.2
Electricity, gas, steam and air conditioning supply	85.1	112.5	102.7	93.8	101.2



## Indices of construction

Republic of Serbia

Previous year = 100

	2013	2014	2015	2016	2017	2018
Value of construction works accomplished, current prices	82.1	106.6	120.2	107.9	111.4	118.1
Value of construction works accomplished, constant prices	79.4	102.5	120.4	108.0	106.7	114.8

## Construction works completed

Republic of Serbia

RSD thousand

	2015	2016	2017	2018
Total	242 779 495	261 991 394	291 883 043	344 670 414
Buildings	94 539 376	112 310 986	131 619 182	159 615 624
Residential buildings	30 701 833	38 605 044	50 459 935	5 731 637
Non-residential buildings	63 837 543	73 705 942	81 159 247	102 298 987
Civil engineering works	148 158 767	149 090 450	160 150 495	184 444 790
Transport infrastructures	106 585 662	109 485 395	110 768 346	119 271 135
Pipelines, communication and electric power lines	31 815 237	32 382 248	38 449 744	46 975 179
Complex industrial structures	7 869 097	5 391 052	8 692 379	15 152 734
Other civil engineering works	1 888 771	1 831 755	2 240 026	3 045 742



## New constructions, completed

Republic of Serbia

	Unit of measure	2008–2018	2018
<b>Buildings</b>	thous. m <sup>2</sup>	18 150	3 208
<b>Residential</b>	thous. m <sup>2</sup>	10 759	1 840
One-dwelling buildings	thous. m <sup>2</sup>	1 611	412
Two- and more dwelling buildings	thous. m <sup>2</sup>	9 045	1 410
Collective buildings	thous. m <sup>2</sup>	102	17
<b>Non-residential</b>	thous. m <sup>2</sup>	7 392	1 369
Hotels and similar buildings	thous. m <sup>2</sup>	396	48
Business buildings	thous. m <sup>2</sup>	1 506	94
Wholesale and retail trade store buildings	thous. m <sup>2</sup>	1 205	297
Traffic and communication buildings	thous. m <sup>2</sup>	121	8
Industry buildings and warehouses	thous. m <sup>2</sup>	2 921	651
Culture, public entertainment, education, hospitals and other health care institution buildings	thous. m <sup>2</sup>	640	56
Other non-residential buildings	thous. m <sup>2</sup>	603	215
<b>Civil engineering works</b>			
Highways, roads and streets	km	5 027	243
Railways	km route	16	-
Gas pipelines	km	1 797	359
Water pipelines	km	1 488	125
Hot water pipelines	km	76	9
Sewerage system	km	1 212	165

<sup>1)</sup> Since 1999 the contractors from AP Kosovo and Metohija have not been included.

## Constructed dwellings

Republic of Serbia

	Dwellings completed		Dwellings not completed	Constructed dwellings per 1000 inhabitants
	Number	Area, m <sup>2</sup>		
1953	11 718	647 000	...	1.7
1960	26 303	1 300 901	37 320	3.4
1970	51 773	3 044 700	67 181	6.2
1980	50 267	3 607 648	127 926	5.5
1990	41 547	3 075 399	109 861	4.2
2000	10 372	809 477	39 490	1.0
2010	18 648	1 252 738	26 793	2.6
2014	11 097	706 449	11 010	1.6
2015	10 306	659 876	10 941	1.5
2016	11 332	782 841	21 520	1.6
2017	14 080	1 018 066	23 151	2.0
2018	18 051	1 336 589	26 398	2.6



## Housing stock, by censuses <sup>1)2)</sup>

Republic of Serbia

	Number of dwellings, thousand	Floor space, thousand m <sup>2</sup>	Average floor space, m <sup>2</sup>	Average floor space per capita, m <sup>2</sup>	Average number of occupants per dwelling
31.03.1961	1 765	81 953	46.4	10.7	4.3
31.03.1971	2 154	104 631	48.6	12.4	3.9
31.03.1981	2 581	155 121	60.1	16.8	3.6
31.03.1991	2 852	192 144	67.4	19.6	3.4
31.03.2002	2 744	181 206	66.0	23.9	2.8
30.09.2011	3 013	217 849	72.3	30.6	2.4

<sup>1)</sup> The census data in the period from 1961 to 1981 relate to the entire territory of the Republic of Serbia, while 1991, 2002 and 2011 censuses do not contain the data for the AP Kosovo and Metohija. 1991 Census was boycotted by the majority of the Albanian population, while in 2002 and 2011 there were no adequate conditions on the territory of the south Serbian province for the implementation of the census.

<sup>2)</sup> Housing stock covers both occupied and unoccupied dwellings intended for permanent residence.

## Construction works abroad <sup>1)</sup>

RSD thousand

	2015	2016	2017	2018
Value of contracted works	29 422 016	27 681 779	30 715 665	23 937 378
Value of works done	23 827 474	19 684 467	36 581 243	17 561 051
Europe	12 875 817	11 208 543	27 330 039	11 860 767
Asia	3 690 613	3 918 496	3 449 717	1 410 671
Africa	3 720 018	3 148 708	3 925 731	2 404 015
South America	3 541 026	1 408 720	1 875 756	1 885 598

<sup>1)</sup> Value of works converted by USD exchange rate. (2015 = 99.4641 RSD; 2016 = 111. 2468 RSD; 2017 = 117,1353 RSD; 2018=99,1155 RSD).





## External trade balance

Republic of Serbia

USD million

	2015	2016	2017	2018	2019
Exports	13 376	14 883	16 997	19 239	19 630
Imports	17 875	18 899	21 921	25 883	26 730
Deficit	-4 499	-4 016	-4 923	-6 644	-7 101
Exports-imports ratio (%)	74.8	78.8	77.5	74.3	73.4

## Top ten external trade partners of Serbia, 2019

Country	Exports		Country	Imports	
	USD million	%		USD million	%
Total	19 630	100	Total	26 730	100
Germany	2 477	12.6	Germany	3 448	12.9
Italy	1 983	10.1	Russian Federation	2 584	9.7
Bosnia and Herzegovina	1 513	7.7	China	2 508	9.4
Romania	1 149	5.9	Italy	2 323	8.7
Russian Federation	977	5.0	Hungary	1 142	4.3
Montenegro	881	4.5	Turkey	1 058	4.0
Hungary	830	4.2	Poland	899	3.4
North Macedonia	754	3.8	Romania	817	3.1
Czechia	652	3.3	France	785	2.9
Slovenia	650	3.3	Austria	755	2.8

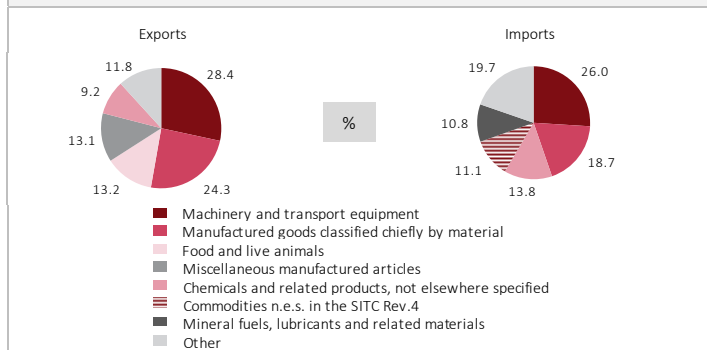


## Exports and imports of the Republic of Serbia by SITC

USD million

	Exports			Imports		
	2017	2018	2019	2017	2018	2019
<b>Total</b>	<b>16 997</b>	<b>19 239</b>	<b>19 630</b>	<b>21 921</b>	<b>25 883</b>	<b>26 730</b>
Food and live animals	2 292	2 422	2 581	1 270	1 469	1 542
Beverages and tobacco	496	539	582	315	345	382
Crude materials, inedible, except fuels	599	664	625	1 066	1 089	1 262
Mineral fuels, lubricants and related materials	436	580	525	2 296	3 000	2 874
Animal and vegetable oils, fats and waxes	188	168	222	67	62	48
Chemicals and related products, n.e.c.	1 571	1 862	1 807	3 104	3 508	3 677
Manufactured goods classified by material	4 018	4 777	4 780	4 124	4 796	5 006
Machinery and transport equipment	4 762	5 341	5 575	5 610	6 698	6 948
Miscellaneous manufactured articles	2 258	2 471	2 571	1 631	1 889	2 032
Commodities n.e.c. in the SITC Rev. 4	379	417	361	2 438	3 027	2 960

### Top five sections by share in exports and imports, 2019

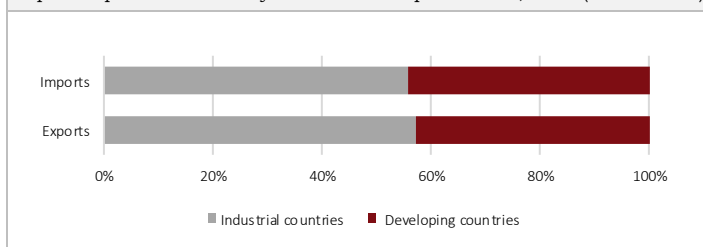


## Exports and imports structure

Republic of Serbia

	Exports		Imports	
	2018	2019	2018	2019
<b>By BEC destination</b>				
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Means of labour	11.2	11.6	12.7	14.2
Reproduction	58.4	59.1	57.0	55.6
Consumables	30.4	29.3	18.6	19.3
Unclassified by BEC	0.0	0.0	11.6	10.9
<b>By national economic development</b>				
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Industrial countries	56.8	57.4	57.5	55.7
EU	94.8	94.6	92.8	91.7
EFTA	1.7	1.7	2.1	2.6
Other developed countries	3.5	3.7	5.1	5.7
Developing countries	43.2	42.6	42.5	44.3
<b>By type of organization</b>				
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Limited liabilities company	84.4	86.0	82.5	81.5
Joint stock company, open type	0.0	0.0	0.0	0.0
Joint stock company, other	0.0	0.0	0.0	0.0
Public enterprise	0.9	0.9	2.5	2.9
Unincorporated enterprises, sole proprietorships	1.0	1.0	0.7	0.7
Partnerships	0.0	0.0	0.0	0.0
Other organization forms	13.7	12.0	14.3	14.9

Export-imports structure by national development level, 2019 (USD million)



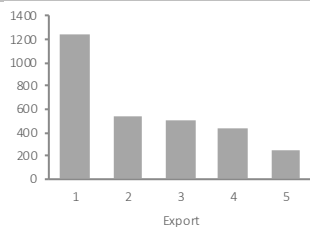
## Top ten external trade items, by NFTS, 2019

Republic of Serbia

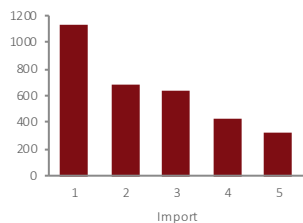
Product	Exports		Product	Imports	
	USD million	% of total share		USD million	% of total share
Total	19630	100	Total	26730	100
Ignition wiring sets of a kind used in vehicle, aircraft or ships	1242	6.3	Petroleum oils and oils obtained from bituminous minerals, crude	1134	4.2
Tyres, new pneumatic, used on motor cars	547	2.8	Medicaments, n.e.s., put up for retail sale	728	2.7
Maize, other	506	2.6	Natural gas, in the gaseous state	631	2.4
Flat-rolled products of iron or non-alloy steel, hot-rolled, not clad, of a width $\geq$ 600mm, in coils	482	2.5	Other parts and accessories of the motor vehicles	439	1.6
Refined copper	438	2.2	Gas oils	422	1.6
Motor cars, with spark-ignition internal combustion reciprocating piston engine, $>1000 < 1500$ cm <sup>3</sup>	245	1.3	Motor cars, diesel or semi-diesel, of a cylinder capacity exceeding 1500 cm <sup>3</sup> but not 2500 cm <sup>3</sup>	326	1.2
Parts of the seats of subgroup 821.1	245	1.2	Other electric conductors, for a voltage not exceeding 1000V	305	1.1
Centrifugal pumps, n.e.s.	240	1.2	Telephones for cellular networks or for other wireless networks	297	1.1
Raspberries, frozen, without sugar	234	1.2	Copper ores and concentrates	297	1.1
Medicaments, n.e.c. for retail sale	232	1.2	Coke and semi-coke of coal	271	1.0



### Top five products in ET, by CT, 2019 (USD million)



1. Ignition wiring sets and other wiring sets for vehicles
2. New pneumatic tyres, of rubber, new, for motor cars
3. Maize, excluding seed
4. Copper, refined, in the form of cathodes and sections of cathodes
5. Motor cars, for persons, petrol, >1000=<1500cm3, new, assembled



1. Petroleum oils and oils from bituminous minerals, crude
2. Other medicaments, put up for retail sale
3. Natural gas in gaseous state
4. Gas oils, for other purposes, sulphur=<0,001%,not bio-diesel
5. Parts, other, for assembly of:870110; 8703; part 8704; 8705



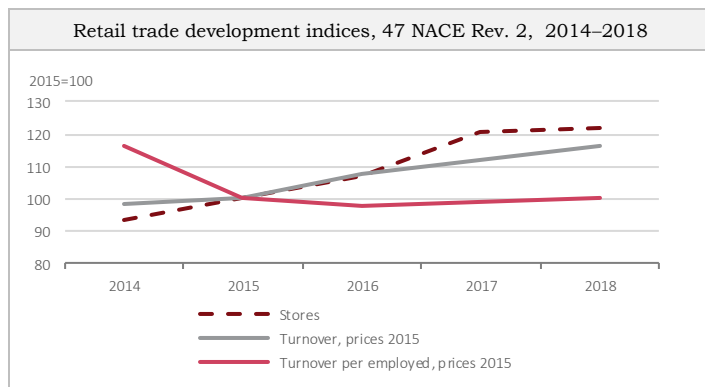
## Stores and turnover in trade, 2014–2018

Republic of Serbia

	Retail trade, 47 NACE Rev. 2			Turnover, current prices, RSD million	
	Stores <sup>1)</sup>	Turnover <sup>2)</sup> , RSD mill.	Turnover per store, RSD thousand <sup>2)</sup>	Wholesale trade, 46 NACE Rev. 2	Wholesale and retail trade of motor vehicles, 45 NACE Rev. 2
2014	58 828	1 249 535	21 240	2 209 689	193 125
2015	62 833	1 269 677	20 207	2 255 946	207 160
2016	67 079	1 366 591	20 373	2 273 878	250 054
2017	75 645	1 419 505	18 765	2 452 671	285 366
2018	76 767	1 479 275	19 270	2 660 420	312 939
Srbija – sever	41 319	925 925	22 409	2 253 440	234 544
Srbija – jug	35 448	553 350	15 610	406 980	78 395

<sup>1)</sup> The data taken from the Statistical business register, SBR

<sup>2)</sup> 2015 prices.



## Capacities and turnover in catering trade, 2014–2018

Republic of Serbia

	Accommodation Establishments	Rooms	Beds, total	Beds, staying	Turnover, total RSD million
2014	834	43 603	102 940	98 589	65 104
2015	847	45 396	106 102	93 227	67 318
2016	953	46 362	109 469	104 178	72 242
2017	919	44 813	106 029	95 812	79 263
<b>2018</b>	<b>1012</b>	<b>48 190</b>	<b>114 771</b>	<b>108 398</b>	<b>87 687</b>
SRBIJA – SEVER	444	19 225	40 665	38 602	54 591
SRBIJA – JUG	568	28 965	74 106	69 796	33 096

## Tourist arrivals and overnight stays, 2014–2018

Thousand

	Arrivals		Overnight stays		Average stay, days
	Total	Domestic	Total	Domestic	
2014	2 192	1 163	6 086	3 925	2.8
2015	2 437	1 305	6 652	4 242	2.7
2016	2 754	1 472	7 534	4 795	2.7
2017	3 086	1 589	8 325	5 150	2.7
<b>2018</b>	<b>3 430</b>	<b>1 720</b>	<b>9 336</b>	<b>5 678</b>	<b>2.7</b>
SRBIJA – SEVER	1 699	467	3 795	1 226	2.2
SRBIJA – JUG	1 731	1 253	5 541	4 452	3.2



## Infrastructure and capacities

Republic of Serbia

	2014	2015	2016	2017	2018
<b>Land transport</b>					
<b>Railway transport</b>					
Railway line construction length, km	3 809	3 739	3 739	3 735	3 735
Of which: electrified	1 275	1 279	1 279	1 278	1 272
Passenger coaches	732*	817*	867	680	542
Passenger seat, thousand	45	56	59	48	30
Freight vehicles	8 486	8 486	7 277	6 781	6 587
Carrying capacity, thousand t	432	432	411	342	295
Engine power, thousand kW	892	707	879	716	678
<b>Road transport</b>					
Roads, km Of which:	45 013	45 688	46 220	44 239	44 749
Modern track	29 603	30 438	31 103	29 206	29 681
Crushed stone path	7 705	7 685	7 614	7 537	7 905
Beaten earthen path	7 705	7 565	7 503	7 496	7 163
Motor-coaches, buses, number	2 054	2 183	2 197	2 408	2 585
Seats, thousand	100	103	106	117	125
Motor power, thousand kW	439	447	489	567	638
Freight cars and articulated vehicles, number	6 366	8 159	9 552	10 064	13 014
Freight capacity, thousand t	80	102	120	126	167
Motor power, thousand kW	950	1 230	1 458	1 474	1 954
<b>City transport</b>					
Passenger seats, thousand, of which:	423	449	420	426	411
Bus	367	395	363	368	354
Trolleybuses	14	14	14	14	14
Tram streetcars	42	40	43	44	43
<b>Pipeline transport</b>					
Oil pipeline length, km	279	279	279	280	280
Gas pipeline length, km	1 480	1 517	1 517	1 482	1 482
<b>Waterway transport</b>					
<b>Inland waterway transport <sup>1)</sup></b>					
Navigable rivers and canals, km <sup>2)</sup>	1 593	1 593	1 593	1 593	1 593
Freight vessel	180	174	147*	147	118
Carrying capacity, thousand t	184	173	171	171	141
Pusher vessels and tugs	28	28	19	19	18
Power, thousand kW	26	26	22*	22	22

<sup>1)</sup> Respective are business units being subject of statistical observations.

<sup>2)</sup> For vessels of carrying capacity over 150 t.





## Infrastructure and capacities (continued)

Republic of Serbia

	2014	2015	2016	2017	2018
<b>Air transport</b>					
Airport	2	2	2	2	2
Jets	23	18	18	19	20
Passenger seats	1 985	1 387	1 387	1 392	1 405
Net carrying capacity, t	701	352	352	362	497
<b>Postal activities and telecommunications</b>					
Post offices	1 478	1 510	1 535	1 549	1 915
Telephone subscribers, thousand	2 630	2 444	2 298	2 482	2 435
Mobile subscribers, number, thousand	9 345	9 156	9 094	8 622	8 431

## Passengers and goods transport

Republic of Serbia

	2014	2015	2016	2017	2018
Transported passengers, thousand <sup>1)</sup>	70 199	65 771	65 247	60 930	63 408
Passenger km, mill. <sup>1)</sup>	7 130	7 752	7 728	7 835	8 301
Transported goods, thousand t <sup>2)</sup>	24 706	26 682	29 428	30 003	32 371
Tonne kilometres, mill. <sup>2)</sup>	7 611	8 015	9 266	10 042	11 266

<sup>1)</sup> City transport excluded.

<sup>2)</sup> Air transport excluded.

## Register of road, motor vehicles and trailers and semi-trailers

Republic of Serbia

	2014	2015	2016	2017	2018
Mopeds	25 065	24 845	24 384	24 837	24 075
Motorcycles	38 102	39 396	40 007	41 596	38 315
Passenger cars	1 797 427	1 834 890	1 888 295	1 968 787	1 999 753
Buses, motor coaches	9 044	9 482	9 626	9 929	9 880
Freight vehicles	139 220	139 886	140 110	223 629	228 900
Road tractors	14 133	14 388	15 414	...	...
Trailers and semi-trailers	38 693	38 551	38 812	154 310	154 115
Special purpose motor vehicles	7 041	7 052	8 644	9 439	8 979



## Accompanying and auxiliary activities

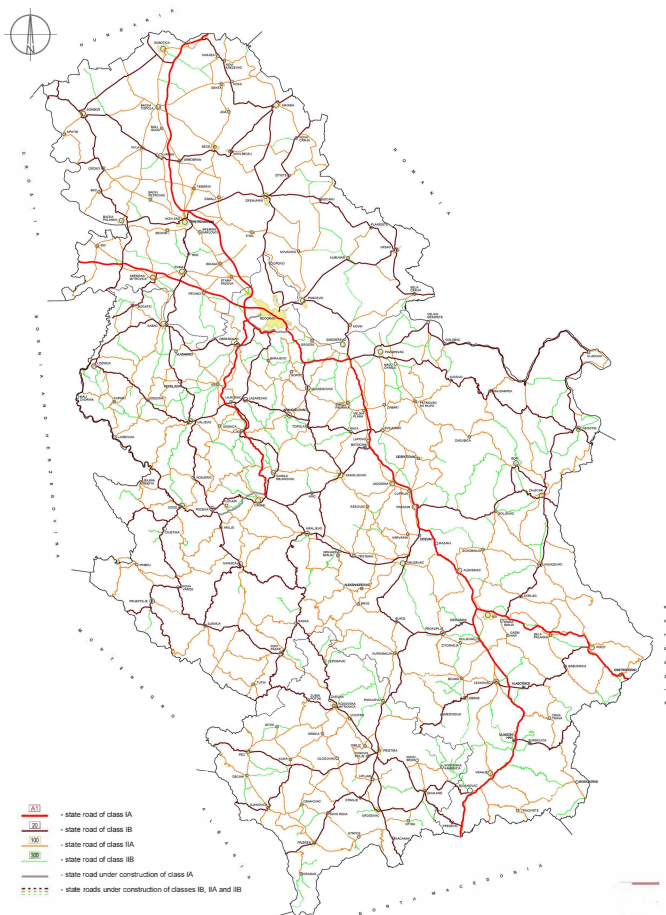
Republic of Serbia

	2014	2015	2016	2017	2018
<b>Railway transport</b>					
Departed passengers, thousand	6 264	6 077	5 931	5 485	4 906
Loaded goods, mill. t.	5,7	6,1	6,1	5,8	6,5
Unloaded goods, mill. t.	5,5	6,4	6,6	6,7	6,5
Goods in transit, mill. t.	3,1	3,2	2,9	3,1	3,0
<b>Pipeline transport</b>					
Turnover volume	4 890*	5 136*	5 486*	5 947	6 161
Inland traffic	2 348	1 973	1 919	1 816	1 799
Exports	-	-	-	-	-
Imports	2 542	3 163	3 567	4 131	4 362
Transit	137	156	136	136	133
<b>Inland waterway transport</b>					
Total turnover, thousand t.	7 269	6 505	8 410	7 111	8 515
Turnover volume	5 966	5 818	7 268	6 392	7 433
Domestic turnover, unloading	1 303	687	1 142	720	1 082
Exports	2 290	1 937	2 451	1 918	2 325
Imports	2 373	3 194	3 675	3 754	4 026
Transit	3 491	4 200	3 817	3 351	2 863
<b>Air transport</b>					
Total passenger traffic, thousand	4 661	4 812	5 050	5 673	5 989
Domestic traffic, departed	0	0	0	0	0
International traffic	4 661	4 812	5 050	5 673	5 989
Arrived	2 329	2 405	2 517	2 829	2 992
Departed	2 332	2 407	2 533	2 844	2 997
<b>Cross-border traffic of road motor vehicles – entered</b>					
Passenger cars	6 200 175	6 742 234	7 726 862	7 790 271	9 612 089
Buses, motor coaches	138 189	145 976	146 554	153 329	177 820
Motorcycles	5 163	8 539	10 378	10 852	13 551
Freight vehicles	439 053	482 420	536 383	590 297	631 907
Freight vehicles, transit	438 701	...	...	...	...
<b>Road accidents and casualties</b>					
Road accidents, number	13 056	13 637	14 382	14 691	14 142
Casualties (persons killed and injured)	18 506	19 909	21 212	21 717	21 198
<b>Overloading</b>					
Overloaded goods, thousand t.	5 534	6 867	8 080	*6 763	8 314
Handled goods	7 375	8 862	9 188	*7 994	10 225
Mechanically	7 352	8 717	9 128	*7 970	10 217
<b>Post activities and telecommunications</b>					
Letter mails, mill.	298	287	278	286	283
Parcels posted, thousand	386	385	693	921	981
Payment traffic operations, thousand	140 519	144 532	147 702	135 691	123 429
Fixed telephone traffic, min. mill.	7 424	6 404	5 836	4 995	4 083
Mobile network, min. mill.	15 897	16 156	16 363	16 624	17 707

Source: Public enterprise Roads of Serbia.



## Main traffic arteries in the Republic of Serbia



Source: S Projekt d.o.o.



## Total turnover in ports, 2018

t

Republic of Serbia – Total	8 515 265
Apatin	41 754
Bačka Palanka	181 715
Bela Crkva	28 642
Beograd	646 625
Beočin	63 127
Požarevac	75 998
Bogatić	27 115
Veliko Gradište	220 521
Vladimirci	22 469
Šid	75 740
Golubac	115 652
Zrenjanin	23 168
Kovin	325 558
Kula	51 679
Prahovo	1 151 799
Novi Sad	765 177
Odžaci	230 737
Pančevo	564 012
Senta	77 181
Smederevo	2 983 875
Sombor	8 008
Srbobran	8 234
Sremska Mitrovica	396 104
Šabac	402 799
Other ports	27 576

Source: Ministry of Construction, Transport and Infrastructure – Directorate for Inland Waterways



## Inland waterways and ports in Serbia



Source: Public enterprise Roads of Serbia.



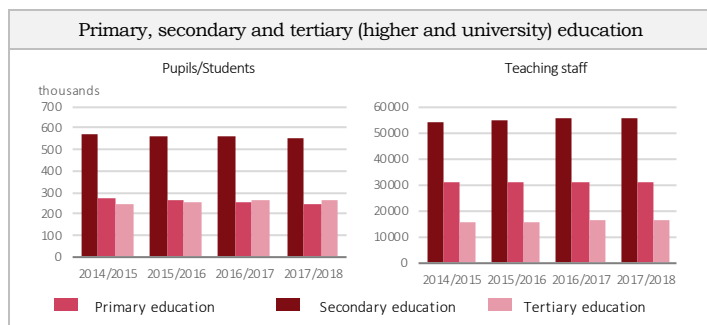
## Basic indicators of education <sup>1)</sup>

Republic of Serbia

	Classes	Teaching staff		Pupils / Students	
		Total	Full-time	Total	Graduated
1970	49 286	92 075	67 049	1 530 906	200 333
1980	56 081	121 940	81 454	1 733 362	256 439
1990	58 959	96 314	90 134	1 710 178	254 923
2000	43 573	81 325	67 059	1 262 934	194 194
2005	43 606	87 333	69 341	1 198 028	189 886
2006	43 055	88 643	69 112	1 177 225	186 108
2007	42 634	89 372	69 014	1 153 782	189 678
2008	42 570	94 196	71 143	1 158 774	198 310
2009	42 366	95 611	71 084	1 118 133	197 738
2010	40 849	97 857	64 974	1 107 215	203 752
2011	39 250	98 184	64 941	1 097 780	198 396
2012	37 636	100 137	64 951	1 101 172	199 120
2013	37 012	99 556	63 790	1 095 750	194 579
2014	37 016	100 339	63 477	1 082 433	190 817
2015	36 932	101 063	63 402	1 077 044	193 128
2016	36 759	102 468	62 984	1 075 110	192 005
2017	36 576	102 591	61 876	1 058 436	180 311
Primary education	26 120	55 849	31 228	554 040	68 403
Secondary education	10 456	30 650	16 593	248 224	66 502
Tertiary education	-	16 092	14 055	256 172	45 406

<sup>1)</sup> The data on number of classes, teachers and students refer to the respective school year, and other data to the calendar year.

<sup>2)</sup> Since 1998 no data for AP Kosovo and Metohija are available.



## Language of ethnicities: schools and pupils/students

Republic of Serbia

	Regular primary education			
	Schools <sup>1)</sup>	Classes	Pupils	Teachers <sup>2)</sup>
<b>Total</b>				
2013/14	205	1 440	23 764	3 213
2014/15	203	1 437	23 149	3 334
2015/16	202	1 428	22 552	3 452
2016/17	270	1 911	33 807	4 515
2017/18	245	1 704	28 430	4 130
<b>Albanian</b>				
2013/14	52	318	5 830	634
2014/15	51	308	5 542	756
2015/16	48	283	5 001	748
2016/17	45	275	4 787	778
2017/18	30	223	3 758	602
<b>Bosnian</b>				
2013/14	-	-	-	-
2014/15	-	-	-	-
2015/16	-	-	-	-
2016/17	73	501	12 061	1 091
2017/18	62	378	8 719	932
<b>Bulgarian <sup>3)</sup></b>				
2013/14	1	3	25	20
2014/15	1	3	25	20
2015/16	1	3	19	18
2016/17	1	3	19	18
2017/18	1	5	36	21
<b>Hungarian <sup>3)</sup></b>				
2013/14	106	870	14 168	1 905
2014/15	105	861	13 664	1 925
2015/16	104	861	13 440	1 956
2016/17	100	855	12 892	1 854
2017/18	101	814	12 030	1 862
<b>Roma language</b>				
2013/14	1	12	187	29
2014/15	1	12	186	24
2015/16	1	12	171	24
2016/17	-	-	-	-
2017/18	-	-	-	-

<sup>1)</sup> Schools with classes providing teaching on language of ethnicities.

<sup>2)</sup> Number of appearances.

<sup>3)</sup> Included schools with bilingual teaching, in Serbian and Hungarian, and Serbian and Bulgarian as well.



## Language of ethnicities: schools and students/pupils (continued)

Republic of Serbia

	Regular primary education			
	Schools <sup>1)</sup>	Classes	Pupils	Teachers <sup>2)</sup>
<b>Romanian</b>				
2013/14	23	82	991	256
2014/15	21	77	887	221
2015/16	23	75	859	225
2016/17	24	75	837	249
2017/18	23	80	813	241
<b>Ruthenian</b>				
2013/14	2	16	145	43
2014/15	2	15	134	41
2015/16	3	29	411	72
2016/17	3	29	416	65
2017/18	3	23	371	36
<b>Slovakian</b>				
2013/14	12	113	2 149	239
2014/15	12	111	2 106	217
2015/16	14	137	2 409	296
2016/17	16	147	2 556	339
2017/18	16	150	2 449	323
<b>Croatian</b>				
2013/14	8	26	269	87
2014/15	8	30	243	120
2015/16	8	28	242	113
2016/17	8	26	239	121
2017/18	9	26	254	113

<sup>1)</sup> Schools with classes providing teaching on language of ethnicities.

<sup>2)</sup> Number of appearances.





## Language of ethnicities: schools and students/pupils

Republic of Serbia

	Regular secondary education				Other education	
	Schools <sup>1)</sup>	Classes	Pupils/ Students	Teachers <sup>2)</sup>	Special edu- cation <sup>3)</sup>	Adult education
<b>Total</b>						
2013/14	54	496	10 825	1 654	438	60
2014/15	52	473	9 977	1 624	437	81
2015/16	52	453	9 380	1 629	437	88
2016/17	51	459	9 155	1 659	388	50
2017/18	52	443	8 799	1 642	348	60
<b>Albanian</b>						
2013/14	4	128	3 476	326	-	-
2014/15	4	120	3 260	319	-	-
2015/16	4	118	3 044	322	-	-
2016/17	4	115	2 885	305	-	-
2017/18	4	108	2 687	295	-	-
<b>Bulgarian <sup>4)</sup></b>						
2013/14	-	-	-	-	-	-
2014/15	1	1	10	24	-	-
2015/16	1	2	28	25	-	-
2016/17	1	4	41	25	-	-
2017/18	1	4	42	26	-	-
<b>Hungarian <sup>5)</sup></b>						
2013/14	40	328	6 558	1 136	419	60
2014/15	38	312	5 914	1 090	423	81
2015/16	38	294	5 501	1 079	417	88
2016/17	38	304	5 440	1 135	363	50
2017/18	39	294	5 364	1 131	334	60

<sup>1)</sup> Schools with classes providing teaching on language of ethnicities.

<sup>2)</sup> Number of appearances.

<sup>3)</sup> Relative to primary and secondary education.

<sup>4)</sup> No data for AP Kosovo and Metohia available.

<sup>5)</sup> Included schools with bilingual teaching, in Serbian and Hungarian, and Serbian and Bulgarian as well.



Language of ethnicities: schools and students/pupils, (continued)  
Republic of Serbia

	Regular secondary education				Other education	
	Schools <sup>1)</sup>	Classes	Pupils/ Students	Teachers <sup>2)</sup>	Special education <sup>3)</sup>	Adult education
Romanian						
2013/14	2	8	189	34	-	-
2014/15	2	8	201	34	-	-
2015/16	2	8	192	34	-	-
2016/17	2	8	190	34	-	-
2017/18	2	8	166	36	-	-
Ruthenian						
2013/14	1	4	59	17	-	-
2014/15	1	4	56	16	-	-
2015/16	1	4	61	21	5	-
2016/17	1	4	54	22	6	-
2017/18	1	4	54	22	5	-
Slovakian						
2013/14	3	16	392	72	19	-
2014/15	3	16	389	65	14	-
2015/16	3	16	409	63	15	-
2016/17	3	16	383	64	19	-
2017/18	2	13	298	48	9	-
Croatian						
2013/14	3	12	151	69	-	-
2014/15	3	12	147	76	-	-
2015/16	3	11	145	85	-	-
2016/17	2	8	162	74	-	-
2017/18	3	12	188	84	-	-

<sup>1)</sup> Schools with classes providing teaching on language of ethnicities.

<sup>2)</sup> Number of appearances.

<sup>3)</sup> Relative to primary and secondary education.



## Institutions of pre-primary education/PPE

Republic of Serbia

	Institutions	Children – users			
		Total	Children aged below 3	Children aged 3 to PPE	Children attending PPE program
2011/12	2 427	184 900	29 469	88 567	66 864
2012/13	2 411	188 340	31 450	91 401	65 489
2013/14	2 436	189 304	31 949	92 643	64 712
2014/15	2 492	192 005	37 701	88 813	65 491
2015/16	2 555	199 790	43 716	89 569	66 505
2016/17	2 682	206 170	45 234	95 142	65 794
2017/18	2 784	212 719	48 788	99 586	64 345

## Institutions promoting school standard

Republic of Serbia

	Pupils standard			Students standard		
	Institutions	Users	Credits and scholarships beneficiaries	Students centres	Users	Credits and scholarships beneficiaries
2017	61	10 859	12 679	9	17 103	20 393
2018	61	11 019	13 095	9	17 240	20 071

Source: Ministry of education, science and technological development of RS, Department of tertiary education, investments, student living standard and public procurement.



## Higher schools and universities

Republic of Serbia

	Scho- ols	Enrolled students				Teachers		Associates	
		Total	Female stu- dents	Budget financed <sup>1)</sup>		Total	Full- time	Total	Full- time
				All	Female stu- dents				
1947/48	16	27 633	9 226	25 393	8 300	466	...	244	...
1955/56	31	35 296	11 347	29 188	9 104	1 083	761	1 402	961
1966/67	97	94 517	32 432	59 791	22 280	3 560	1 759	2 757	1 826
1976/77	127	197 858	74 001	122 193	48 572	5 763	4 126	4 214	3 295
2008/09	193	235 940	130 334	106 323	62 190	9 097	7 878	5 461	4 858
2009/10	189	226 772	125 444	98 609	57 794	9 317	8 027	5 495	4 786
2010/11	189	228 531	127 154	97 763	57 836	9 467	8 306	5 388	4 869
2011/12	188	231 661	129 220	102 102	60 383	9 808	8 669	5 222	4 663
2012/13	182	238 945	133 427	106 484	63 408	10 218	9 089	5 260	4 703
2013/14	180	242 848	134 448	104 433	61 251	10 459	9 323	4 870	4 320
2014/15	179	241 054	134 460	103 548	61 447	10 706	9 592	4 693	4 114
2015/16	181	251 162	138 971	107 042	62 493	11 113	9 944	4 546	3 934
2016/17	180	262 108	146 902	107 473	63 192	11 503	10 195	4 777	4 092
2017/18	181	256 172	144 871	104 909	62 519	11 608	10 272	4 484	3 783
2018/19	187	249 771	141 679	103 057	61 204	11 983	10 507	4 569	3 848

<sup>1)</sup> Up to 1999/2000 academic year the data refer to 'regular' students.

<sup>2)</sup> Stating from 2007/2008 organisational principle has been applied when proving the number of schools.

## University graduates

Republic of Serbia

	2015	2016	2017	2018
<b>Total</b>				
All	50 326	51 596	45 406	45 280
Females	29 451	30 136	26 751	26 761
State universities	29 752	31 456	27 562	27 239
Private universities	8 711	7 888	7 462	7 756
State schools of tertiary education	10 757	11 341	9 372	9 255
Private schools of tertiary education	1 106	911	1 010	1 030



**Households with computer**

%

	Republic of Serbia
2009	46.8
2010	50.4
2011	52.1
2012	55.2
2013	59.9
2014	63.2
2015	64.4
2016	65.8
2017	68.1
2018	72.1
2019	73.1

**Households with internet connection**

%

	Republic of Serbia
2009	36.7
2010	39.0
2011	41.2
2012	47.5
2013	55.8
2014	62.8
2015	63.8
2016	64.7
2017	68.0
2018	72.9
2019	80.1

**Households with broadband internet connection**

%

	Republic of Serbia
2009	22.9
2010	27.6
2011	31.0
2012	38.0
2013	43.4
2014	55.1
2015	56.0
2016	57.8
2017	61.9
2018	72.5
2019	79.6



## Computers use – individuals

%

	Republic of Serbia								
	2011	2012	2013	2014	2015	2016	2017	2018	2019
Never used computer	40.1	38.9	36.6	29.7	28.7	27.2	26.1	22.8	21.7
In the last 3 months	54.3	55.0	56.9	62.5	65.8	67.1	67.7	70.7	71.9
More than 3 months and less than 1 year ago	2.3	2.0	2.2	1.8	2.2	0.9	1.3	2.0	1.4
More than 1 year ago	3.3	4.1	4.3	6.0	3.3	4.7	4.9	4.5	5.0

## Internet use – individuals

%

	Republic of Serbia								
	2011	2012	2013	2014	2015	2016	2017	2018	2019
Never used computer	53.0	48.4	41.5	33.1	30.6	29.2	25.6	24.2	19.4
In the last 3 months	42.2	48.4	53.5	62.1	65.3	67.1	70.5	73.4	77.4
More than 3 months and less than 1 year ago	2.2	1.6	2.7	1.9	1.0	1.6	1.6	1.2	1.1
More than 1 year ago	2.7	1.6	2.3	2.9	3.1	2.2	2.3	1.2	2.1



## Research and development/R&D organizations, by sectors and research fields

Republic of Serbia

Sciences	Total	Non-financial sector	General government	Tertiary education	Non-profit sector
2013	237	72	60	101	4
2014	2073	112	51	104	6
2015	279	102	55	112	10
2016	283	109	54	110	10
2017	280	107	54	111	8
2018	279	111	54	111	3
Nature science	54	26	11	16	1
Engineering and technology	99	67	9	22	1
Agriculture	27	10	11	6	-
Medicine and health science	17	6	3	8	-
Social sciences	59	2	9	47	1
Humanities	23	-	11	12	-



## Research works (projects and studies) by sectors

Republic of Serbia

	Total	Basic research	Applied research	Experimental development
<b>Number of scientific research works</b>				
2013	11 279	5 785	3 271	2 223
2014	11 992	6 878	3 463	1 651
2015	11 786	5 724	4 348	1 714
2016	9 896	4 825	3 490	1 581
2017	10 093	4 694	3 705	1 694
2018	9 878	4 595	3 382	1 902
Non-financial sector	1 396	170	611	615
General government	2502	1425	680	397
Tertiary education	5970	2992	2089	889
Non-profit sector	10	8	2	-
<b>Value of scientific research works, RSD thousand</b>				
2013	28 175 329	12 236 313	8 919 727	7 019 289
2014	30 084 387	11 990 697	10 841 262	7 252 428
2015	34 990 573	12 708 745	13 030 826	9 251 002
2016	37 956 275	11 550 937	14 849 463	11 555 875
2017	41 531 049	12 371 067	15 521 581	13 638 401
2018	46 615 667	14 611 296	17 324 384	14 679 987
Non-financial sector	18 229 009	1 019 605	9 796 608	7 412 796
General government	13 132 549	6 198 873	2 875 134	4 058 542
Tertiary education	15 251 369	7 391 691	4 651 029	3 208 649
Non-profit sector	2 740	1 127	1 613	-

## Expenditures for research works

Republic of Serbia

RSD thousand

	Total	Of which: budgetary funds
2013	28 175 329	16 305 139
2014	30 084 387	16 823 689
2015	34 990 573	17 610 434
2016	37 956 275	16 312 531
2017	41 531 049	17 899 912
2018	46 615 667	18 754 517





## Employed in research and development, by sectors, fields of science and by sex

Republic of Serbia

Sciences	Total		Researcher		Research assistant	
	All	Females	All	Females	All	Females
2013	2 010	19 341	9 815	12 637	6 169	1 615
2014	21 880	10 863	15 163	7 452	1 716	715
2015	23 629	11 695	16 338	8 044	1 920	915
2016	23 542	11 533	16 592	8 032	1 819	876
2017	22 782	11 411	16 182	8 098	1 533	778
2018	22 971	11 645	16 213	8 329	1 527	733
<b>Non-financial sector</b>	<b>3 186</b>	<b>1 110</b>	<b>1 266</b>	<b>506</b>	<b>707</b>	<b>222</b>
Nature science	1 068	332	317	115	251	72
Engineering and technology	1 946	681	885	350	410	121
Agricultural	94	42	27	13	18	10
Medicine and health science	24	17	-	-	16	12
Social	54	38	37	28	12	7
<b>General government</b>	<b>5 420</b>	<b>3 019</b>	<b>3 112</b>	<b>1 906</b>	<b>210</b>	<b>112</b>
Natural	1 983	1 224	1 538	997	49	23
Engineering and technology	1 946	681	885	350	410	121
Agricultural	1 213	609	343	206	40	22
Medicine and health science	216	161	172	125	5	5
Social	331	181	274	135	10	7
Humanities	437	271	387	230	1	1
<b>Tertiary education</b>	<b>14 363</b>	<b>7 514</b>	<b>11 833</b>	<b>5 915</b>	<b>610</b>	<b>399</b>
Nature science	2 156	1 230	1 821	1 023	81	60
Engineering and technology	3 714	1 510	3 270	1 276	66	35
Agricultural	1 118	576	772	369	86	46
Medicine and health science	2 579	1 516	2 311	1 329	53	36
Social	3 374	1 840	2 554	1 305	164	106
Humanities	1 422	842	1 105	613	160	116
<b>Non-profit sector</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>-</b>
Social	2	2	2	2	-	-



## Enterprises by innovation and size, 2016–2018.

Republic of Serbia

Enterprises by size and type	Total	Innovators	Non-innovative enterprises	Participation of innovators (%)
<b>Total</b>	<b>19 011</b>	<b>9 546</b>	<b>9 465</b>	<b>50,21</b>
Small enterprises	15 878	7 566	8 312	47,65
Medium enterprises	2 544	1 573	1 971	61,83
Large enterprises	589	407	182	69,10
Manufacturing enterprises	5 039	2 854	2 185	56,64
Enterprises providing services	13 972	6 692	7 280	47,90



## Libraries, 2018

Republic of Serbia

Part I

Type of library	Number of libraries	Collections in libraries		
		Books	Titles of periodicals	Other collections
Total	2 568	39 073 109	991 891	2 344 345
National	2	3 318 354	84 714	717 705
Tertiary education	215	5 135 471	479 239	348 810
Schools	1 569	13 432 737	152 002	266 768
Specialized	227	2 604 432	191 644	339 555
Public	555	14 582 115	84 292	671 507

## Libraries, 2018

Republic of Serbia

Part II

Type of library	Number of libraries with available e-sources and services	Collections in libraries, purchased		
		Books	Titles of periodicals	Other collections
Total	1 336	913 812	39 219	122 738
National	2	63 712	5 109	4 166
Tertiary education	190	105 032	8 490	5 411
Schools	738	288 979	6 484	6 723
Specialized	151	26 955	4 134	3 047
Public	255	429 134	15 002	103 391

## Library users (members), library collections and employees, 2018.

Type of library	Registered library users (members)	Use of library collections		Staff (professional)	
		Total	of which: books and brochures	Total	of which: full-time employees
Total	1 538 056	14 800 875	11 269 187	5 408	3 621
National	13 351	1 813 075	197 075	312	312
Tertiary education	260 355	1 354 151	1 014 563	544	535
School	702 266	3 174 988	3 054 803	2 316	679
Specialized	39 525	352 936	109 153	286	235
Public	522 559	8 105 725	6 893 593	1 950	1 860

Source: National library of Serbia.



## Professional theatres

	Theatres <sup>1)</sup>	Seats <sup>2)</sup>	Performances <sup>3)</sup>	Visitors, thousand
1975/76	25	10 728	4 896	1 761
1985/86	28	12 471	4 778	1 398
2012/13	46	13 513	4 831	1 018
2013/14	33	11 268	4 693	988
2014/15	29	12 509	3 864	835
2015/16	35	13 422	4 768	995
2016/17	35	12 667	4 506	1 003
2017/18	36	13 571	4 123	983

Source: Centre for studies in cultural development/CSCD.

<sup>2)</sup> Seats and standing places.

<sup>1)</sup> Data for AP Kosovo and Metohija not available.

<sup>3)</sup> International visits included.

## Radio stations

Republic of Serbia

	Radio stations				Radio program, thousand hours		
	Total <sup>1)</sup>	Public	Private	Other	Total	Music	Talk show program
1966	8	...	...	...	29	18	11
1980	52	...	...	...	136	86	50
2013	167	51	108	8	1 265	877	388
2014	251	54	185	12	2 010	1 331	679
2015	198	34	155	9	1 635	1 120	515
2016	167	22	140	5	1 382	957	425
2017	189	29	152	8	1 595	1 064	531
2018	197	34	157	6	1 679	1 171	508

<sup>1)</sup> Data for AP Kosovo and Metohija not available.

## TV

Republic of Serbia

	TV stations				TV broadcast, hours	
	Total <sup>1)</sup>	Public	Private	Other	Total	Informative program
1980	3	...	...	...	7 987	2 943
1990	5	...	...	...	17 486	6 487
2013	91	29	60	2	617 892	134 919
2014	123	33	87	3	792 075	159 576
2015	100	17	79	4	756 729	142 333
2016	87	17	69	1	720 394	146 597
2017	120	26	90	4	966 169	204 107
2018	118	24	90	4	958 899	185 140

<sup>1)</sup> Data for AP Kosovo and Metohija not available.



## Cinemas

Republic of Serbia

	Cine- mas <sup>1)</sup>	Seats	Projections			Visitors, thousand			Visitors, per 1000 inhabi- tants <sup>2)</sup>
			Total	Domes- tic films	Foreign films	Total	Domes- tic films	Foreign films	
1990	370	139327	126373	10 341	116032	7 575	1 228	6 347	843
2010	126	51 580	63 549	4 605	58 944	1 946	178	1 768	283
2012	121	49 552	93 879	11 442	82 437	2 403	437	1 966	353
2013	87	33 683	50 432	5 437	44 995	1 214	151	1 063	179
2014	93	36 580	56 984	10 883	46 101	1 717	590	1 127	119
2015	93	34 517	57 643	9 437	48 206	1 929	525	1 404	134
2016	86	37 308	89 298	8 794	80 504	2 811	429	2 382	196
2017	86	38 226	123 400	8 288	115 112	3 165	403	2 762	220
2018	94	40 925	115 217	9 308	105 909	3 089	602	2 488	442

Source: Centre for studies in cultural development/CSCD.

<sup>1)</sup> Data for AP Kosovo and Metohija not available.

<sup>2)</sup> Population aged 5+.

## Books and brochures, by editions and publishers, 2018

	Republic of Serbia							Fore- ign coun- tries
	Total <sup>1)</sup>	Srbija – sever		Srbija – jug				
		Beo- gradski region	Region Vojvo- dine	Region Šuma- dije i Zapad- ne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Meto- hija		
<b>Total</b>	<b>11 887</b>	<b>8 160</b>	<b>1 821</b>	<b>860</b>	<b>854</b>	<b>120</b>	<b>72</b>	
General	598	385	103	52	50	4	4	
Philosophy, psychology	334	256	50	15	9	3	1	
Religion, theology	373	219	58	61	25	4	6	
Social sciences, general	2 756	2 174	268	143	121	45	5	
Natural sciences	423	268	77	32	33	8	5	
Applied sciences, medicine, engineering	989	666	149	71	96	3	4	
Art	684	384	153	83	52	7	5	
Linguistics, philology and literature	5 207	3 537	846	334	417	34	39	
Archaeology, geography, biographies, history	523	271	117	69	51	12	3	

<sup>1)</sup> The total number of books in the Republic of Serbia covers the publishers with head office abroad.



## Basic indicators of the system of public health services, 2008–2018

Republic of Serbia

Part I

	Physicians	Dentists	Graduate pharmacists	Outpatient clinic visits, thousand <sup>1)</sup>
2008	20 668	2 300	2 019	44 772
2009	20 825	2 273	2 034	45 174
2010	21 052*	2 249*	2 063*	56 421*
2011	21 023*	2 240*	2 142*	55 235*
2012	21 061*	2 179*	2 179*	53 958
2013	21 052*	2 115*	2 257*	54 105*
2014	20 567*	2 014*	2 188*	55 337*
2015	20 413	1 914	2 154	54 361
2016	19 974	1 698	2 015	54 669*
2017	19 968*	1 635*	1 847*	54 374
2018	19 937	1 609	1 738	51 342

Source: Public Health Institute of Serbia "Dr Milan Jovanović-Batut".

<sup>1)</sup> Visits to physicians in clinics and consultation centres.

\* Corrections made using the same data from the Statistical Yearbooks 2018 and 2019.



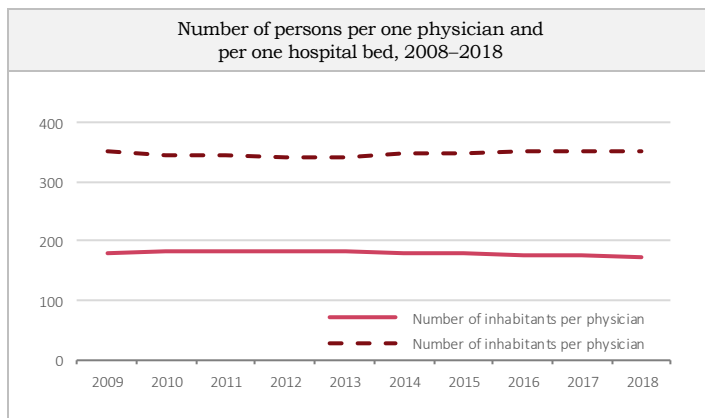
## Basic indicators of the system of public health services, 2008–2018

Republic of Serbia

Part II

	Hospital beds	Discharges	Hospital inpatient care, thousand days	Population/persons	
				Per one physician	Per one hospital bed
2008	40 908	1 214 436	11 159	356	180
2009	41 020	1 268 862	11 145	352	178
2010	39 690*	1 154 930*	10 446*	346*	184*
2011	39 796*	1 132 146*	10 303*	344*	182*
2012	39 643*	1 126 382*	9 949	342*	182*
2013	39 112*	1 133 563*	9 953*	340	183*
2014	39 333*	1 129 569*	9 773*	347*	181*
2015	39 788	1 133 484	9 679	348	178
2016	39 914*	1 153 756*	9 675*	353	177
2017	39 787	1 156 492	9 843	352*	177
2018	40 662	1 166 169	9 383	350	172

Source: Public Health Institute of Serbia "Dr Milan Jovanović-Batut"



## Health insurance, 2014–2018

Republic of Serbia

thousand

	2014	2015	2016	2017	2018
<i>Insured persons, average</i>					
Active	1 857	1 824	1 912	2 002	2 060
Pension and disability insurance beneficiaries	1 728	1 737	1 692	1 751	1 758
Temporary unemployed	47	40	34	35	35
Family members	1 526	1 462	1 499	1 469	1 424
<i>Insurance based on</i>					
<i>Sick leave</i>					
Days	5 904	5 632	2 480	2 678	2 907
Accident while working and professional disease	3	4	5	6	5
Illness	5 903	5 630	2 478	2 676	2 905
Care of family member, isolation, etc.	106	116	127	141	170
<i>Other insurance bases</i>					
Administered medicines	108 627	88 735	89 379	92 143	102 355
<i>Hospitalisation</i>					
Cases hospitalised	778	774	780	768	778
Days	10 832	10 692	10 653	10 506	10 570

Source: RS Health insurance fund.





## Criminal offence

Republic of Serbia

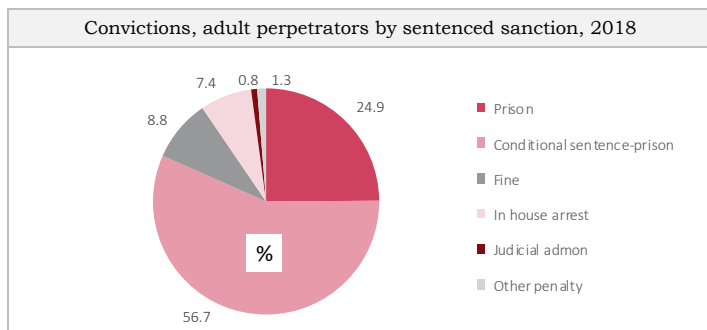
	Adults			Minors		
	Crime reports <sup>1)</sup>	Charges	Convictions	Crime reports	Charges	Convictions
2014	92 600	48 425	35 376	3 110	2 522	2 034
2015	108759	42 030	33 189	3 355	2 535	1 926
2016	96 237	39 610	32 525	3 643	2 505	2 032
2017	90 348	37 752	31 759	3 465	1 992	1 633
2018	92 874	35 146	29 750	2 744	1 849	1 548

<sup>1)</sup> Proceedings closed; unknown perpetrators included.

## Economic violations

Republic of Serbia

	Responsible persons			Legal entities		
	Reports	Charges	Convictions	Reports	Charges	Convictions
2014	1 719	2 228	1 679	1 631	1 993	1 504
2015	1 099	1 891	1 352	1 013	1 677	1 215
2016	5 956	1 953	1 341	5 726	1 686	1 273
2017	6 413	5 850	4 604	6 196	5 433	4 534
2018	9 731	7 190	5 518	9 194	6 859	5 337





## INTERNATIONAL OVERVIEW

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## Earth – geographical features

Earth's equatorial circumference	40 077 km
Earth's polar circumference	40 003 km
Earth's equatorial radius	6 377 km
Earth's area	510 mill. km <sup>2</sup>
Earth's land area	149 mill. km <sup>2</sup>
Earth's sea area	361 mill. km <sup>2</sup>
Earth's volume	1 bill. km <sup>3</sup>
Moon-Earth mid-distance	384 thous. km
Earth-Sun mid-distance	150 mill. km

## Oceans and seas

	Area, km <sup>2</sup> thousand	Maximum depth, m
<b>Pacific Ocean</b>	<b>179 679</b>	<b>11 022</b>
Bering Sea	2 275	3 950
South China Sea	2 140	5 420
Sea of Okhotsk	1 715	3 370
East China Sea	1 242	2 700
Sea of Japan	980	4 018
<b>Atlantic Ocean</b>	<b>93 800</b>	<b>9 219</b>
Caribbean Sea	2 600	5 505
Mediterranean Sea	2 559	4 404
North Sea	570	809
Baltic Sea	412	427
Black Sea	411	2 243
Irish Sea	210	272
Aegean Sea	179	2 524
Adriatic Sea	135	1 223
<b>Indian Ocean</b>	<b>74 917</b>	<b>7 450</b>
Andaman Sea	790	3 970
Red Sea	449	2 390
<b>Arctic Ocean</b>	<b>13 100</b>	<b>5 440</b>
Barents Sea	1400	494
Chukchi Sea	853	600
East Siberia Sea	849	75
Laptev Sea	641	200



**Highest mountain peaks**

m

<b>Europe</b>	
Mon Blanc	4 810
<b>Asia</b>	
Mount Everest	8 883
<b>Africa</b>	
Kilimanjaro	5 890
<b>North America</b>	
McKinley	6 193
<b>South America</b>	
Akonkagva	6 960
<b>Oceania</b>	
Haia	5 030

**Largest lakes**m<sup>2</sup> thousand

Caspian Sea	394
Superior l.	82
Viktoria l.	69
Aral l.	64
Huron l.	60
Michigan l.	58
Tanganika l.	33
Baikal l.	31
Great Bear l.	31
Great Rhone l.	28

**Longest rivers**

km

<b>Europe</b>		<b>Africa</b>	
Volga	3 688	Nile	5 920
Danube	2 857	Zaire	4 800
Ural	2 534	Niger	4 200
<b>Asia</b>		Zambezi	2 660
Yangtze	5 530	<b>North America</b>	
Amur	4 765	Mississippi - Missouri	6 970
Huang Ho	4 630	St Lorenz	4 250
Mekong	4 500	Yukon	3 180
Lena	4 270	Rio Grande	2 800
Yenisey	4 010	<b>South America</b>	
Ob	3 760	Amazon	6 180
Indus	3 180	Parana	4 700
Euphrates	3 143	<b>Oceania</b>	
Irtys	2 969	Murray - Darling	3 490
Bramaputra	2 900		
Gang	2 880		



## World countries: area and capitals

By area

Thousand km<sup>2</sup>

State <sup>1)</sup>	Area <sup>2)</sup>	Capital <sup>3)</sup>
<b>Europe</b>		
Russian Federation	17 098	Moscow
Ukraine	604	Kiev
France	552	Paris
Spain	506	Madrid
Sweden	439	Stockholm
Germany	357	Berlin
Finland	338	Helsinki
Norway	386	Oslo
Poland	313	Warsaw
Italy	302	Rome
United Kingdom	242	London
Romania	238	Bucharest
Belarus	208	Minsk
Greece	132	Athens
Bulgaria	111	Sofia
Iceland	103	Reykjavik
Hungary	93	Budapest
Portugal	92	Lisbon
<b>Serbia</b>	<b>88</b>	<b>Belgrade</b>
Austria	84	Vienna
Czechia	79	Prague
Ireland	70	Dublin
Georgia	70	Tbilisi
Lithuania	65	Vilnius
Latvia	65	Riga
Croatia	57	Zagreb
Bosnia and Herzegovina	51	Sarajevo
Slovakia	49	Bratislava
Estonia	45	Tallinn
Denmark	43	Copenhagen
Netherlands	42	Amsterdam
Switzerland	41	Bern
Republic of Moldova	34	Chisinau
Belgium	31	Brussels
Albania	29	Tirane
North Macedonia	26	Skopje
Slovenia	20	Ljubljana
Montenegro	14	Podgorica

<sup>1)</sup> Source: Nomenclature of states as regards the dissemination of official statistics

<sup>2)</sup> Source: [https://unstats.un.org/unsd/publications/statistical-yearbook/files/syb62/T2\\_Pop.pdf](https://unstats.un.org/unsd/publications/statistical-yearbook/files/syb62/T2_Pop.pdf)

<sup>3)</sup> Source: Conclusion of the Government of the Republic of Serbia, Number: 05-93-5900/2019 of 13/06/2019



## World countries: area and capitals (continued)

By area

Thousand km<sup>2</sup>

State <sup>1)</sup>	Area <sup>2)</sup>	Capital <sup>3)</sup>
Luxembourg	3	Luxembourg
Andorra	~0	Andorra
Malta	~0	Valletta
Monaco	~0	Monaco
San Marino	~0	San Marino
Liechtenstein	~0	Vaduz
Holly See	~0	
<b>Asia</b>		
China	9 600	Peking
India	3 287	New Delhi
Kazakhstan	2 725	Nur-Sultan
Saudi Arabia	2 207	Riyadh
Indonesia	1 911	Jakarta
Iran	1 629	Tehran
Mongolia	1 564	Ulan Bator
Pakistan	796	Islamabad
Turkey	784	Ankara
Myanmar	677	Naypyitaw
Afghanistan	653	Kabul
Yemen	528	Sanaa
Thailand	513	Bangkok
Turkmenistan	488	Ashgabat
Uzbekistan	449	Tashkent
Iraq	435	Baghdad
Japan	378	Tokyo
Malaysia	330	Kuala Lumpur
Viet Nam	331	Hanoi
Philippines	300	Manila
Laos PDR	237	Vientiane
Oman	310	Muscat
Kyrgyzstan	200	Bishkek
Syrian Arab Republic	185	Damascus
Cambodia	181	Phnom Penh
Bangladesh	148	Dhaka
Nepal	147	Kathmandu
Tajikistan	143	Dushanbe
DPR of Korea	121	Pyongyang
Republic of Korea	100	Seoul
Jordan	89	Amman
Azerbaijan	87	Baku
United Arab Emirates	84	Abu Dhabi
Sri Lanka	66	Colombo

<sup>1)</sup> Source: Nomenclature of states as regards the dissemination of official statistics

<sup>2)</sup> Source: [https://unstats.un.org/unsd/publications/statistical-yearbook/files/syb62/T2\\_Pop.pdf](https://unstats.un.org/unsd/publications/statistical-yearbook/files/syb62/T2_Pop.pdf)

<sup>3)</sup> Source: Conclusion of the Government of the Republic of Serbia, Number: 05-93-5900/2019 of 13/06/2019

<sup>4)</sup> ~0 State covering area under 1000 km<sup>2</sup>.



## World countries: area and capitals (continued)

By area

Thousand km<sup>2</sup>

State <sup>1)</sup>	Area <sup>2)</sup>	Capital <sup>3)</sup>
Bhutan	38	Thimphu
Armenia	30	Yerevan
Israel	22	Tel Aviv
Kuwait	18	Kuwait City
Timor-Leste	15	Dili
Qatar	12	Doha
Lebanon	10	Beirut
Cyprus	9	Nicosia
Brunei Darussalam	6	Bandar Seri Begawan
Singapore	1	Singapore
Bahrain	1	Al-Manamah
Maldives	~0	Malé
<b>Africa</b>		
Sudan	2 505	Khartoum
Algeria	2 382	Algiers
DR of the Congo	2 345	Kinshasa
Libya	1 676	Tripolis
Chad	1 284	N'Djamena
Niger	1 267	Niamey
Angola	1 247	Luanda
Mali	1 240	Bamako
South Africa	1 221	Pretoria
Ethiopia	1 104	Addis Ababa
Mauritania	1 031	Nouakchott
Egypt	1 002	Cairo
United Republic of Tanzania	947	Dodoma
Nigeria	924	Abuja
Namibia	824	Windhoek
Mozambique	799	Maputo
Zambia	753	Lusaka
South Sudan	659	Juba
Somalia	638	Mogadishu
Central African Republic	623	Bangui
Botswana	582	Gaborone
Madagascar	587	Antananarivo
Kenya	592	Nairobi
Cameroon	476	Yaounde
Morocco	447	Rabat
Zimbabwe	391	Harare

<sup>1)</sup> Source: Nomenclature of states as regards the dissemination of official statistics

<sup>2)</sup> Source: [https://unstats.un.org/unsd/publications/statistical-yearbook/files/syb62/T2\\_Pop.pdf](https://unstats.un.org/unsd/publications/statistical-yearbook/files/syb62/T2_Pop.pdf)

<sup>3)</sup> Source: Conclusion of the Government of the Republic of Serbia, Number: 05-93-5900/2019 of 13/06/2019

<sup>4)</sup> ~0 State covering area under 1000 km<sup>2</sup>.



## World countries: area and capitals (continued)

By area

Thousand km<sup>2</sup>

State <sup>1)</sup>	Area <sup>2)</sup>	Capital <sup>3)</sup>
Congo	342	Brazzaville
Côte d'Ivoire	322	Yamoussoukro
Burkina Faso	273	Ouagadougou
Gabon	268	Libreville
Guinea	246	Conakry
Ghana	239	Accra
Uganda	242	Kampala
Senegal	197	Dakar
Tunisia	164	Tunis
Eritrea	118	Asmara
Malawi	118	Lilongwe
Benin	115	Porto-Novo
Liberia	111	Monrovia
Sierra Leone	72	Freetown
Togo	57	Lome
Guinea-Bissau	37	Bissau
Lesotho	30	Maseru
Equatorial Guinea	28	Malabo
Burundi	28	Gitega
Rwanda	26	Kigali
Djibouti	23	Djibouti
Eswatini	17	Mbabane
Gambia	11	Banjul
Cabo Verde	4	Praia
Comoros	2	Moroni
Mauritius	2	Port Louis
Sao Tome and Principe	1	Sao Tome
Seychelles	~0	Victoria
<b>North and Central America</b>		
Canada	9 985	Ottawa
United States of America	9 834	Washington
Mexico	1 964	Mexico City
Nicaragua	130	Managua
Honduras	112	Tegucigalpa
Cuba	110	Havana
Guatemala	109	Guatemala City
Panama	75	Panama City
Costa Rica	51	San Jose
Dominican Republic	49	Santo Domingo
Haiti	29	Port-au-Prince
Belize	23	Belmopan

<sup>1)</sup> Source: Nomenclature of states as regards the dissemination of official statistics

<sup>2)</sup> Source: [https://unstats.un.org/unsd/publications/statistical-yearbook/files/syb62/T2\\_Pop.pdf](https://unstats.un.org/unsd/publications/statistical-yearbook/files/syb62/T2_Pop.pdf)

<sup>3)</sup> Source: Conclusion of the Government of the Republic of Serbia, Number: 05-93-5900/2019 of 13/06/2019

<sup>4)</sup> ~0 State covering area under 1000 km<sup>2</sup>.





## World countries: area and capitals (continued)

By area

Thousand km<sup>2</sup>

State <sup>1)</sup>	Area <sup>2)</sup>	Capital <sup>3)</sup>
El Salvador	21	San Salvador
Bahamas	14	Nassau
Jamaica	11	Kingston
Trinidad and Tobago	5	Port of Spain
Saint Lucia	1	Castries
Dominica	1	Roseau
Antigua and Barbuda	~0	St. John's
Barbados	~0	Bridgetown
Grenada	~0	St. George's
Saint Vincent and the Grenadines	~0	Kingstown
Saint Kitts and Nevis	~0	Basseterre
<b>South America</b>		
Brazil	8 516	Brasilia
Argentina	2 780	Buenos Aires
Peru	1 285	Lima
Colombia	1 142	Bogota
Bolivia	1 099	Sucre
Venezuela	912	Caracas
Chile	756	Santiago
Paraguay	407	Asuncion
Ecuador	257	Quito
Guyana	215	Georgetown
Uruguay	174	Montevideo
Suriname	164	Paramaribo
<b>Oceania</b>		
Australia	7 686	Canberra
Papua New Guinea	463	Port Moresby
New Zealand	268	Wellington
Vanuatu	12	Port - Vila
Solomon Islands	29	Honiara
Fiji	18	Suva
Samoa	3	Apia
Micronesia	1	Palikir
Kiribati	1	Bairiki
Tonga	1	Nuku'alofa
Marshall Islands	~0	Majuro
Nauru	~0	Yaren
Palau	~0	Ngerulmud
Tuvalu	~0	Funafuti

<sup>1)</sup> Source: Nomenclature of states as regards the dissemination of official statistics

<sup>2)</sup> Source: [https://unstats.un.org/unsd/publications/statistical-yearbook/files/syb62/T2\\_Pop.pdf](https://unstats.un.org/unsd/publications/statistical-yearbook/files/syb62/T2_Pop.pdf)

<sup>3)</sup> Source: Conclusion of the Government of the Republic of Serbia, Number: 05-93-5900/2019 of 13/06/2019

<sup>4)</sup> ~0 State covering area under 1000 km<sup>2</sup>.



## International overview <sup>1)</sup>: Statistics of population, 2017

Country	Population number, thousand	Natural increase, per 1000 inhabitants	Infant deaths, per 1000 live births	Life expectancy at birth	
				Male	Female
<b>Europe</b>					
Austria	8 795	0.5	2.9	79.3	83.9
Belgium	11 375	0.9	3.6	...	...
Belarus	9 498	-1.8	3.2	69.3	79.2
Bulgaria	7 076	-6.5	6.4	71.3	78.4
United Kingdom	66 041	2.3	3.9	79.2	82.9
Greece	10 761	-3.3	3.5	78.8	83.9
Estonia	1 317	-1.3	2.3	73.7	82.3
Italy	60 537	-3.2	2.7	80.6	84.9
Latvia	1 942	-4.1	4.1	69.8	79.6
Lithuania	2 828	-4.0	3.0	70.7	80.4
Hungary	9 788	-3.8	3.5	72.4	79.0
Germany	82 657	-1.8	3.3	78.7	83.4
Portugal	10 300	-2.3	2.7	77.7	83.4
Romania	19 592	-3.0	6.7	72.3	79.2
Russian Federation	...	...	...	...	...
Slovakia	5 439	0.7	4.5	73.8	80.3
Slovenia	2 066	-0.1	2.1	78.1	83.7
Serbia <sup>2)</sup>	7 021	-5.5	4.7	73.0	77.9
Ukraine	42 485	-4.9	7.7	67.0	76.8
Finland	5 479	-0.6	2.0	78.7	84.2
France	64 672	2.1	3.6	...	...
Netherlands	17 100	1.1	3.6	80.2	83.4
Croatia	4 125	-4.1	4.0	74.9	81.0
Czechia	10 590	0.3	2.7	76.0	81.8
Switzerland	8 452	2.4	3.5	81.4	85.3
Sweden	10 058	2.3	2.4	80.8	84.1
Spain	46 533	-0.7	2.7	80.4	85.7
<b>Asia</b>					
Japan	126 786	-3.1	1.9	81.1	87.3
China	1 386 395	5.3	...	...	...
<b>Africa</b>					
Algeria	41 696	...	...	76.9	78.2
Egypt	95 203	21.1	15.1	70.8	73.6
<b>America</b>					
Brazil	207 661	8.1	10.3	...	...
Mexico	124 042	12.4	11.3	...	...
United States of America <sup>3)</sup>	320 897	3.9	5.9	76.3	81.2
Canada <sup>4)</sup>	36 109	3.2	4.5	80.0	84.1
<b>Oceania</b>					
Australia	24 598	6.0	3.3	80.5	84.6
New Zealand	4 794	5.5	3.8	...	...

<sup>1)</sup> Извор: UN Demographic Yearbook 2018 [https://unstats.un.org/unsd/demographic-social/products/dyb/dyb\\_2018/](https://unstats.un.org/unsd/demographic-social/products/dyb/dyb_2018/)

<sup>2)</sup> Data for AP Kosovo and Metohija not available.

<sup>3)</sup> Data for 2015.

<sup>4)</sup> Data for 2016.



## Gross domestic product at market prices, 2018 <sup>1)</sup>

Estimates

	Total, USD million	Gross domestic product expenditure <sup>2)</sup> , %			
		House- hold final consump- tion ex- penditure	General government final con- sumption expenditure	Gross capital formation	External balance of goods and services
<b>Europe</b>					
Austria	455 508	52	19	25	4
Belgium	543 026	52	23	25	0
Bosnia and Herzegovina	19 782	77	20	22	-15
Bulgaria	66 199	60	16	21	3
United Kingdom	2 855 297	66	19	17	-2
Greece	218 139	68	19	13	0
Denmark	355 675	47	24	23	6
Italy	2 084 882	60	19	18	2
Hungary	157 883	49	20	27	4
North Macedonia	12 629	66	15	32	-13
Germany	3 949 549	52	20	22	6
Norway	434 167	43	23	27	5
Poland	585 661	58	18	21	4
Portugal	240 792	65	17	18	1
Russian Federation	1 660 514	49	17	22	10
Slovenia	54 034	52	18	21	8
Serbia <sup>3/4)</sup>	51 396	68	17	24	-9
Finland	276 878	53	23	25	0
France	2 778 892	54	23	23	-1
Netherlands	914 105	44	24	21	11
Croatia	60 991	58	19	23	0
Montenegro	5 507	73	19	32	-24
Czechia	245 226	47	20	26	6
Switzerland	705 141	53	12	23	12
Sweden	556 086	45	26	27	3
Spain	1 419 735	58	19	20	3

<sup>1)</sup> Source: www.un.org.

<sup>2)</sup> The sum could be other than 100, due to rounding and statistical discrepancy.

<sup>3)</sup> Starting from 1999 the Statistical Office of the Republic of Serbia has not at disposal and may not provide available certain data relative to AP Kosovo and Metohija and therefore these data are not included in the coverage for the Republic of Serbia (total).

<sup>4)</sup> Source: Statistical Office of the Republic of Serbia.



Gross domestic product at market prices, 2018 <sup>1)</sup>  
(continued)

Estimates

	Total, USD million	Gross domestic product expenditure <sup>2)</sup> , %			
		House- hold final consump- tion ex- penditure	General go- vernment final con- sumption expenditure	Gross capital formation	External balance of goods and services
<b>Asia</b>					
Azerbaijan	46 939	53	10	20	17
Israel	370 588	55	23	22	0
India	2 779 352	59	11	31	-4
Indonesia	1 042 173	57	9	35	-1
Iran	473 091	45	13	38	2
Japan	4 971 323	56	20	24	0
China	13 608 152	39	15	44	0
Malaysia	358 579	57	12	24	7
Pakistan	282 346	82	12	16	-10
Thailand	504 992	49	16	25	10
Turkey	771 355	57	15	30	-1
Philippines	330 910	74	12	27	-13
<b>Africa</b>					
Algeria	173 757	42	17	47	-7
Ghana	65 535	72	9	15	-1
South Africa	368 094	60	21	18	0
Morocco	117 921	58	19	34	-11
Mauritania	7620	56	11	34	-2
<b>North and Central America</b>					
Guatemala	78 461	88	10	12	-10
Canada	1 712 562	58	21	23	-2
Mexico	1 223 401	65	12	23	-2
United States of America	20 580 223	68	14	21	-3
<b>South America</b>					
Argentina	518 475	65	16	16	-2
Brazil	1 868 613	64	20	15	1
Venezuela	208 338	114	12	15	0
Ecuador	108 398	60	15	26	0
Colombia	330 228	68	15	21	-5
Panama	65 055	50	11	45	-5
Uruguay	59 597	67	15	17	2
Chile	298 231	63	14	23	0
<b>Oceania</b>					
Australia	1 453 871	56	19	23	3
New Zealand	207 921	58	18	24	0

<sup>1)</sup> Source: [www.un.org](http://www.un.org).

<sup>2)</sup> The sum could be other than 100, due to rounding and statistical discrepancy.



## Exchange rates <sup>1)</sup>

USD – national currency exchange rate, end of year

	Currency	2015	2016	2017	2018	2019
<b>Europe</b>						
Albania	lek	127.70	122.25	109.6	105.15	107.3
Austria	euro	0.91	0.96	0.84	0.88	0.896
Belgium	euro	0.91	0.96	0.84	0.88	0.896
Bulgaria	leva	1.79	1.87	1.64	1.71	1.75
United Kingdom	pound	0.68	0.82	0.74	0.79	0.76
Greece	euro	0.91	0.96	0.84	0.88	0.896
Denmark	krone	6.82	7.1	6.23	6.54	6.69
Ireland	euro	0.91	0.96	0.84	0.88	0.896
Italy	euro	0.91	0.96	0.84	0.88	0.896
Hungary	forint	286.80	296.99	259.54	281.15	296.31
North Macedonia	denar	56.32	58.84	51.47	53.90	54.92
Germany	euro	0.91	0.96	0.84	0.88	0.896
Norway	krona	8.69	8.67	8.25	8.79	8.83
Poland	zloty	3.87	4.22	3.50	3.76	3.82
Portugal	euro	0.91	0.96	0.84	0.88	0.896
Romania	Romanian leu	4.15	4.33	3.90	4.08	4.28
Russian Federation	ruble	72.46	60.79	57.55	69.48	62.12
Slovakia	euro	0.91	0.96	0.84	0.88	0.896
Slovenia	euro	0.91	0.96	0.84	0.88	0.896
Serbia <sup>2) 3)</sup>	RSD	111.25	117.14	99.12	103.39	104.92
Finland	euro	0.91	0.96	0.84	0.88	0.896
France	euro	0.91	0.96	0.84	0.88	0.896
Netherlands	euro	0.91	0.96	0.84	0.88	0.896
Croatia	kuna	6.98	7.23	6.27	6.49	6.67
Czechia	koruna	24.70	25.82	21.42	22.64	22.85
Switzerland	franc	0.99	1.03	0.978	0.99	0.98
Sweden	krona	8.37	9.12	8.238	9.02	9.35
Spain	euro	0.91	0.96	0.84	0.88	0.896

Source: Single data source is United Nations Treasury – UN Operational Rates of Exchange, as of the end of year.

<sup>1)</sup> Unless otherwise stated, the table refers to the middle market rate (average selling and buying rates), as of the end of year.

<sup>2)</sup> Source: National Bank of Serbia.

<sup>3)</sup> Data for AP Kosovo and Metohija are not available.



## Exchange rates <sup>1)</sup> (continued)

USD – national currency exchange rate, end of year

	Currency	2015	2016	2017	2018	2019
<b>Asia</b>						
Viet Nam	dong	22 480	22 769	22 704	23 240	23 172
Israel	New shekel	3.88	3.85	3.47	3.77	3.46
India	rupee	66.40	68.1	64.08	70.36	71.35
Iran	rial	30 117	39 376	41 525	84 824	113 257
Japan	yen	120.45	116.68	112.92	110.75	109.47
China	yuan renminbi	6.49	6.96	6.53	6.87	6.995
Republic of Korea	won	...	...	...	1 120.32	1161.03
Lebanon	pound	1 513.50	1 513.50	1 513.50	1 514.50	1508.00
Myanmar	kyat	1 300.00	1 350.00	1 360.00	1 570.00	1505.00
Mongolia	tughrik	1 994.50	2 487.00	2 427.16	2 640.04	2 678.87
Pakistan	rupee	104.84	104.75	110.7	139.85	154.87
Syrian Arab Republic	pound	338.00	514.85	434.00	434.00	700
Thailand	baht	36.08	35.92	32.62	32.54	30.14
Turkey	lira	2.91	3.53	3.78	5.29	5.96
Philippines	pesos	47.07	49.73	49.92	52.70	50.68
Sri Lanka	rupee	144.05	149.85	153.4	182.35	181.32
<b>Africa</b>						
Algeria	dinar	107.08	110.73	114.96	118.36	118.83
Ghana	new cedi	3.81	4.3	4.53	4.98	5.68
Egypt	pound	7.83	18.07	17.81	17.92	16.02
South Africa	rand	15.27	13.67	12.33	14.56	14.06
Morocco	dirham	9.88	10.16	9.38	9.54	9.6
Tunisia	dinar	2.03	2.34	2.47	3.00	2.80
<b>North and Central America</b>						
Guatemala	quetzal	7.62	7.54	7.34	7.74	7.70
Canada	dollar	1.39	1.35	1.26	1.37	1.31
Costa Rica	colon	535.33	553.26	568.67	606.71	568.98
Cuba	pesos	...	...	...	1.00	1.00
Mexico	new pesos	17.17	21.95	19.68	19.79	18.9
<b>South America</b>						
Argentina	pesos	12.95	15.74	18.71	38.58	59.94
Bolivia	bolivian	6.91	6.91	6.91	6.91	6.86
Brazil	real	3.85	3.26	3.30	3.93	4.05
Venezuela	bolivar	...	...	...	447.32	46 677.2
Ecuador	USD	...	...	...	1.00	1.00
Colombia	pesos	3 147	2 995	2 985	3 276	3297
Paraguay	guarani	5 807.60	5 803.00	5 592.00	5 998.00	6 471.00
Peru	new sol	3.41	3.36	3.24	3.38	3.33
Uruguay	pesos	29.85	29.17	28.76	32.35	37.1
Chile	pesos	707.00	666.00	615.00	696.00	745.00
<b>Oceania</b>						
Australia	dollar	1.37	1.39	1.28	1.42	1.43
New Zealand	dollar	1.45	1.44	1.41	1.49	1.49

Source: Single data source is United Nations Treasury – UN Operational Rates of Exchange, as of the end of year.

<sup>1)</sup> Unless otherwise stated, the table refers to the middle market rate (average selling and buying rates), as of the end of year.



## Call numbers in international telephone traffic <sup>1)</sup>

To make international calls, dial 00 – country call number – city call number – customer phone number.

Country Town	Call number
<b>Europe</b>	
Albania	355
Austria	43
Belarus	375
Belgium	32
Bosnia and Herzegovina	387
Republic of Srpska	
Mrkonjić Grad	(0)50
Banja Luka	(0)51
Prijedor	(0)52
Doboj	(0)53
Bijeljina	(0)55
Zvornik	(0)56
Eastern Sarajevo	(0)57
Srbinje – Foča	(0)58
Trebinje	(0)59
Brčko district	(0)49
Federation Bosnia and Herzegovina	
Central Bosnia county	030
Posavski county	031
Zenica - Doboj county	032
Sarajevo county	033
Herzegovina - Bosnia county	034
Tuzla county	035
Herzegovina - Neretva county	036
Una - Sana county	037
Bosnia - Podrinje county	038
West Herzegovina county	039
Bulgaria	359
United Kingdom	44
Greece	30
Denmark	45
Estonia	372

Country Town	Call number
Iceland	354
Ireland	353
Italy	39
Cyprus	357
Latvia	371
Liechtenstein	423
Lithuania	370
Luxembourg	352
Hungary	36
North Macedonia	389
Malta	356
Republic of Moldova	373
Germany	49
Norway	47
Poland	48
Portugal	351
Romania	40
Russian Federation	7
San Marino	378
Slovakia	421
Slovenia	386
Ukraine	380
Finland	358
France	33
Netherlands	31
Croatia	385
Dubrovnik	20
Varaždin	42
Zadar	23
Zagreb	1
Pula	52
Rijeka	51
Split	21

<sup>1)</sup> www.bhtelecom.ba; www.telekomsrpske.com; www.telekom.rs



## Call numbers in international telephone traffic <sup>1)</sup>

Country Town	Call number	Country Town	Call number
Montenegro <sup>2)</sup>		Viet Nam	84
Bar	030	Thailand	66
Berane	051	Turkey	90
Bijelo Polje	050	Turkmenistan	993
Budva	033	United Arab Emirates	971
Cetinje	041	Uzbekistan	998
Herceg Novi	031	<b>Africa</b>	
Kotor	032	Algeria	213
Nikšić	040	Egypt	20
Plevlja	052	Ethiopia	251
Podgorica	020	Zambia	260
Czechia	420	Zimbabwe	263
Spain	34	South Africa	27
Sweden	46	Kenya	254
Switzerland	41	Lybia	218
<b>Asia</b>		Morocco	212
Afghanistan	93	United Republic of Tanzania	255
India	91	Tunisia	216
Indonesia	62	<b>North and South America</b>	
Iran	98	Argetina	54
Iraq	964	Brazil	55
Israel	972	Canada	1
Japan	81	Cuba	53
Armenia	374	Mexico	52
Republic of Korea	82	Peru	51
China	86	United States of America	1
Kuwait	965	Chile	56
Lebanon	961	<b>Oceania</b>	
Mongolia	976	Australia	61
Pakistan	92	New Zealand	64
Saudi Arabia	966		

<sup>1)</sup> www.bhtelecom.ba; www.telekomsrpske.com; www.telekom.rs

<sup>2)</sup> www.t-com.me





## World countries time Serbia: 12.00

Australia	21	Japan	20	New Zealand	23
Austria	12	South Africa	13	Portugal	11
Brazil	8	Canada – Toronto	6	Romania	13
United Kingdom	11	China – Beijing	19	Russian Federation – Moscow	14
Greece	13	Mexico	5	United States of America – New York	6





## OVERVIEW

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The state symbols of the Republic of Serbia are the the coat of arms and the national flag.

The Coat of Arms, i.e. heraldic symbol represents a double-headed white eagle, with a shield, a Greek cross, four fire steels and the crown of the Nemanjić dynasty.

The national flag is trobojka (the tricolour: red, blue and white) with horizontal stripes, and a small Serbian coat of arms, depicted centrally and by one seventh part of the flag length towards the mast.



Coat of arms of the Republic of Serbia <sup>1)</sup>



National flag of the Republic of Serbia <sup>1)</sup>

“God of Justice” is the official anthem of the Republic of Serbia as defined pursuant to the Constitution, Article 7. “God of Justice” used to be the anthem of the Principality of Serbia and the Kingdom of Serbia until 1918. The proposed version of the text as the anthem was established by the Law passed on 11 May 2009. The original song was composed in 1872 when Jovan Đorđević, inspired by the satirical National anthem of Zmaj, wrote the lyrics for the music by Davorin Jenko, which came as the closing part of the theatre performance Markova sablja (Marko’s Sabre), dedicated to mark the coming of age of Milan Obrenović. The immense popularity of the lyrics and the melody resulted in this song becoming the Serbian state anthem.

### O god of justice <sup>1)</sup>

(Serbian National Anthem)

God of Justice; Thou who  
saved us when in deepest  
bondage cast, Hear Thy  
Serbian children's voices,  
Be our help as in the past.

With Thy mighty hand  
sustain us, Still our rugged  
pathway trace; God, our  
hope; protect and cherish  
Serbian lands and Serbian  
race!

Bind in closest links our  
kindred Teach the love that  
will not fail, May the loathed  
fiend of discord Never in our  
ranks prevail.

<sup>1)</sup> [www.srbija.sr.gov.rs](http://www.srbija.sr.gov.rs)

Let the golden fruits of  
union Our young tree of  
freedom grace; God, our  
Master! guide and prosper  
Serbian lands and Serbian  
race!

Lord! Avert from us Thy  
vengeance, Thunder of  
Thy dreaded ire; Bless each  
Serbian town and hamlet,  
Mountain, meadow, heart  
and spire.

When our host goes forth to  
battle Death or victory to  
embrace-God of armies! Be  
our leader Strengthen then  
the Serbian race!

On our sepulchre of ages  
Breaks the resurrection  
morn, From the slough of  
direst slavery Serbia anew is  
born.

Through five hundred years  
of durance We have knelt  
before Thy face, All our kin,  
O God! deliver, Thus en-  
treats the Serbian race!



## Call numbers in domestic telephone traffic

Town	Call number
Srbija <sup>1)</sup>	381
Ada	024
Aleksandrovac	037
Aleksinac	018
Alibunar	013
Apatin	025
Arandelovac	034
Arilje	031
Babušnica	010
Bač	021
Bačka Palanka	021
Bačka Topola	024
Bački Petrovac	021
Bajina Bašta	031
Barajevo	011
Batočina	034
Bečej	021
Bela Crkva	015
Bela Palanka	018
Beočin	021
Beograd	011
Blace	027
Bogatić	015
Bojnik	016
Boljevac	030
Bor	030
Bosilegrad	017
Brus	037
Bujanovac	017
Valjevo	014
Varvarin	037
Velika Plana	026
Veliko Gradište	012
Vladičin Han	017
Vladimirci	015
Vlasotince	016
Vranje	017
Vrbas	021

Town	Call number
Vrnjačka Banja	036
Vršac	013
Gadžin Han	018
Golubac	012
Gornji Milanovac	032
Gračanica	038
Grocka	011
Despotovac	035
Dimitrovgrad	010
Doljevac	018
Žabalj	021
Žabari	012
Žagubica	012
Žitište	023
Žitorađa	027
Zaječar	019
Zrenjanin	023
Zubin Potok	028
Zvečan	028
Indija	022
Irig	022
Ivanjica	032
Jagodina	035
Kanjiža	024
Kikinda	0230
Kladovo	019
Knić	034
Knjaževac	019
Knić	034
Knjaževac	019
Koceljeva	015
Kosjerić	031
Kosovo Polje	038
Kosovska Mitrovica	028
Kovačica	013
Kovin	013
Kragujevac	034
Kraljevo	036

<sup>1)</sup> www.telekom.rs



## Call numbers in domestic telephone traffic

Town	Call number
Krupanj	015
Kruševac	037
Kučevo	012
Kula	025
Kuršumljia	027
Lajkovac	014
Lapovo	034
Lazarevac	011
Lebane	016
Leposavić	028
Leskovac	016
Loznica	015
Lučani	032
Ljig	014
Ljubovija	015
Majdanpek	030
Mali Idoš	024
Mali Zvornik	015
Malo Crniće	012
Medveđa	016
Merošina	018
Mionica	014
Mladenovac	011
Negotin	019
Niš	018
Nova Crnja	023
Nova Varoš	033
Novi Bečej	023
Novi Kneževac	0230
Novi Pazar	020
Novi Sad	021
Obrenovac	011
Opovo	013
Osečina	014
Odžaci	025
Pančevo	013
Paraćin	035
Pećinci	022
Petrovac na Mlavi	012
Petrovaradin	021
Pirot	010
Plandište	013
Požarevac	012

Town	Call number
Požega	031
Preševo	017
Priboj	033
Prijepolje	033
Prokuplje	027
Rača Kragujevačka	034
Raška	036
Ražanj	037
Rekovac	035
Ruma	022
Sečanj	023
Senta	024
Sjenica	020
Smederevo	026
Smederevska Palanka	026
Sokobanja	018
Sombor	025
Sopot	011
Srbobran	021
Sremska Mitrovica	022
Sremski Karlovci	021
Stara Pazova	022
Subotica	024
Surdulica	017
Svilajnac	035
Svrljig	018
Temerin	021
Titel	021
Topola	034
Trgovište	017
Trstenik	037
Tutin	020
Čičevac	037
Čuprija	035
Ub	014
Užice	031
Crna Trava	016
Čačak	032
Čajetina	031
Čoka	0230
Šabac	015
Šid	022
Štrpce	0290



## Motor vehicles registration signs <sup>1)</sup>

Sign	Registration area	Municipalities included
AL	Aleksinac	Aleksinac
AC	Aleksandrovac	Aleksandrovac
AR	Arandelovac	Arandelovac
BB	Bajina Bašta	Bajina Bašta
BP	Bačka Palanka	Bačka Palanka
BT	Bačka Topola	Bačka Topola
BG	Beograd	Barajevo, Voždovac, Vračar, Grocka, Zvezdara, Zemun, Lazarevac, Mladenovac, Novi Beograd , Obrenovac, Palilula, Rakovica, Savski venac, Sopot, Stari grad , Surčin, Čukarica
BČ	Bečež	Bečež
BO	Bor	Majdanpek, Bor
BĆ	Bogatić	Bogatić
BU	Bujanovac	Bujanovac
VA	Valjevo	Lajkovac, Ljig, Mionica, Osečina, Valjevo
VP	Velika Plana	Velika Plana
VL	Vlasotince	Vlasotince
VS	Vrbas	Vrbas
VR	Vranje	Bosilegrad , Vladičin Han, Preševo, Trgovište, grad Vranje
VB	Vrnjačka Banja	Vrnjačka Banja
VŠ	Vršac	Bela Crkva, Plandište, Vršac
GL	Gnjilane	Vitina, Kosovska Kamenica, Novo Brdo , Gnjilane
GM	Gornji Milanovac	Gornji Milanovac
DE	Despotovac	Despotovac
ĐA	Đakovica	Dečani, Đakovica
ZA	Zaječar	Boljevac, Sokobanja, grad Zaječar
ZR	Zrenjanin	Žitište, Novi Bečež, Nova Crnja, Sečanj, Zrenjanin
IN	Indžija	Indžija
IC	Ivanjica	Ivanjica

<sup>1)</sup> Source: Official gazette RS, number 101/2010.



## Motor vehicles registration signs <sup>1)</sup> (continued)

Sign	Registration area	Municipalities included
JA	Jagodina	Rekovac, Jagodina
KA	Kanjiža	Kanjiža
KŽ	Knjaževac	Knjaževac
KO	Kovin	Kovin
KG	Kragujevac	Batočina, Knić, Lapovo, Rača, grad Kragujevac
KV	Kraljevo	grad Kraljevo
KI	Kikinda	Čoka, Novi Kneževac, Kikinda
KL	Kladovo	Kladovo
KM	Kosovska Mitrovica	Vučitrn, Zvečan, Zubin Potok, Leposavić, Srbica, Kosovska Mitrovica
KŠ	Kruševac	Brus, Varvarin, Čičevac, grad Kruševac
LB	Lebane	Lebane
LE	Leskovac	Bojnik, Medveđa, Crna Trava, grad Leskovac
LO	Loznica	Krupanj, Ljubovija, Mali Zvornik, grad Loznica
LU	Lučani	Lučani
NG	Negotin	Negotin
NI	Niš	Gadžin Han, Doljevac, Merošina, Ražanj, Svrlijig, grad Niš
NV	Nova Varoš	Nova Varoš
NP	Novi Pazar	grad Novi Pazar
NS	Novi Sad	Bač, Bački Petrovac, Beočin, Žabalj, Srbobran, Sremski Karlovci, Temerin, Titel, grad Novi Sad
PA	Pančevo	Alibunar, Kovačica, Opovo, grad Pančevo
PE	Peć	Istok, Klina, Peć
PN	Paraćin	Paraćin
PT	Petrovac na Mlavi	Petrovac na Mlavi

<sup>1)</sup> Source: Official gazette RS, number 101/2010.





## Motor vehicles registration signs <sup>1)</sup> (continued)

Sign	Registration area	Municipalities included
PI	Pirot	Babušnica, Bela Palanka, Dimitrovgrad, Pirot
PO	Požarevac	Veliko Gradište, Golubac, Žabari, Žagubica, Kučevo, Malo Crniće, grad Požarevac
PŽ	Požega	Požega
PB	Priboj	Priboj
PP	Prijepolje	Prijepolje
PZ	Prizren	Gora, Orahovac, Suva Reka, Prizren
PR	Priština	Glogovac, Kosovo Polje, Lipljan, Obilić, Podujevo, grad Priština
PK	Prokuplje	Blace, Žitorađa, Kuršumlija, Prokuplje
RA	Raška	Raška
RU	Ruma	Irig, Pećinci, Ruma
SV	Svilajnac	Svilajnac
SA	Senta	Ada, Senta
SJ	Sjenica	Sjenica
SD	Smederevo	Smederevo
SP	Smederevska Palanka	Smederevska Palanka
SO	Sombor	Apatin, Kula, Odžaci, grad Sombor
SM	Sremska Mitrovica	Sremska Mitrovica
ST	Stara Pazova	Stara Pazova
SU	Subotica	Mali Idoš, grad Subotica
SS	Surdulica	Surdulica
TO	Topola	Topola
TS	Trstenik	Trstenik
TT	Tutin	Tutin
ĆU	Ćuprija	Ćuprija
UB	Ub	Ub
UE	Užice	Arilje, Kosjerić, Čajetina, grad Užice
UR	Uroševac	Kačanik, Štimlje, Štrpce, Uroševac
ČA	Čačak	grad Čačak
ŠA	Šabac	Vladimirci, Koceljeva, grad Šabac
ŠI	Šid	Šid

<sup>1)</sup>Source: Official gazette RS, number 101/2010.



## EXIT

EXIT is the major music festival in the South-East Europe. It has been organized since 2001, on the magnificent Petrovaradin Fortress in Novi Sad. The number of visitors coming to the festival has been increasing. Young people arrive from all parts of our country and from other European countries as well. Except for its top quality music program, people use to visit EXIT for good quality entertainment, nice atmosphere and positive energy felt in the city.

The next EXIT festival will be held from 09 – 12 July 2020.

## GUČA

The first Dragačevski Sabor Trubača (Dragačevo gathering of trumpeters) was held in 1961. In the last ten years Guča has become internationally recognized capital of the trumpet. Trumpet players and folk music and dance ensembles from the world are deeply honored to be invited to Dragačevski Sabor and visitors arrive from Mexico, Spain, Greece, Denmark, China... Virtuoso musicians that we could meet and listen to in Guča are largely completely self-educated. They play following their sense of hearing and quite spontaneously, relying on musical memory. Their music comes from their soul and heart and audience is delighted just for these qualities.

The number of visitors is ever-increasing from year to year; the record visit was achieved in 2009 when Guča welcomed over 600 000 visitors.

The next 60th Dragačevski Sabor Trubača will be held from 08 – 11 August 2020.

## FEST

FEST is an international film festival that has become a must-see event in the cultural life of Belgrade.

The first FEST, named "The brave new world" was opened on 9 January 1971 at Dom Sindicata, Belgrade, with the projection of Robert Altman film MASH. Conceived as an annual crosssection of the best films, FEST has become a mayor event in the cultural life of Belgrade.

Ever since its start, FEST has been widely open for the whole world cinematography, for all respectable authors, however also for the films that would not be included in wide cinema repertoire.

The 48th FEST was held from 28 February to 8 March 2020.

## BITEF

Belgrade International Theater Festival (BITEF) was initiated in 1967 and then from it has continually followed and acknowledged the latest trends of theater art. As the festival grew and developed, it has become one of the top five European festivals and it won a most respectable place in the world theater map. The importance of BITEF is strong enough to overcome all political and cultural boundaries. Therefore the history of BITEF may be regarded as the history of modern theater art.



## BELGRADE SUMMER FESTIVAL – BELEF

The spirit of Belgrade in summer is described and confirmed by BELEF, Belgrade Summer Festival. The festival comprises three major art domains: stage art (theater and dance), visual arts (video-art, installations, performances and prints) and music. Through a series of visiting presentations, BELEF own production and co-production with cultural institutions, summer festivals of the same kind, BELEF induces further engagements, upbringing and development of creative potentials, interest and re-searching force of individuals and audience at large.

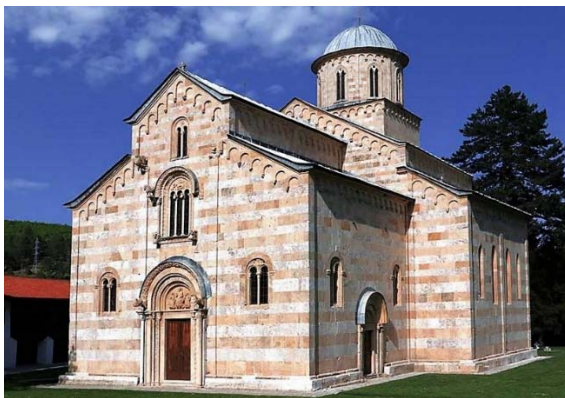
Interacting with the environment, animating new urban areas and sites of cultural happenings, the Belgrade Summer Festival eagerly tells a story of Belgrade as large city and its tolerant, communicative and urban kind.



## Serbian eparchies and monasteries <sup>1)</sup>

Eparchy	Number of monasteries
<b>Total</b>	<b>159</b>
Banatska	7
Bačka	3
Beogradska	5
Braničevska	19
Valjevska	7
Vranjska	8
Žička	27
Mileševska	3
Niška	16
Raško-prizrenska	14
Sremska	17
Timočka	7
Šabačka	9
Šumadijska	17

<sup>1)</sup> Source: [www.spc.rs](http://www.spc.rs)



Visoki Dečani





Church of Bogorodica Ljeviška



Gračanica



Mileševa



Beli anđeo (White angel)

## Major monasteries and churches in AP Kosovo and Metohia



-  Манастири  
Monasteries
-  Манастири у рушевинама  
Ruined monasteries
-  Цркве  
Churches
-  Цркве у рушевинама  
Ruined churches
-  Испоснице  
Hermitages





## ANNEX

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## Basic statistics

Statistics is a science that study mass phenomena, with the aim to find out their quantitative characteristics, while three-fold contents are anticipated: descriptive statistics (data collection, processing), statistical analysis (conclusion taking and creating regularity) and statistical theory (explaining statistical methods).

The set of all elements where certain phenomenon is statistically observed is called statistical set, basic set, population.

Elements or units of a set are individual elements the set consists of.

Feature is a characteristic of population members (elements).

Frequency represents the number of appearances of set elements.

## Measurement scales

Nominal scale: Phenomena that can be classified only by certain number and modality type are measured on this scale. The scale is used to describe the title/name, descriptive property, etc.

Ordinal scale reduces the modalities of a phenomenon to ranging them by importance regarding the adopted criteria and by numbers denoting the range; however they do not indicate the extent of their difference.

Interval scale and scale of relations indicate the sequence of modalities and the extent of their difference. These scales are often referred to as cardinal scales.

## Methods of data collection

Statistical census assumes statistical observation where all observation units of a statistical set are included, in so-called “critical moment”.

Statistical sample is a part of the basic set, and the purpose of selecting it is to obtain valid information on the characteristics of the whole set as promptly as possible and incurring lowest possible costs.

Statistical report represents the scanning of all changes in a statistical set in successive time intervals.

## Data series

Statistical series are series of arranged statistical data that present the structure of a set by some feature, or the layout of a set in space or the change of a set in time.

Structural series represent the sequence of a statistical set by modalities, i.e. by feature values.

Time series are series of statistical data that indicate variations of phenomena in time and they are classified as momentary and intervals.

Momentary series represent a size or extent of a phenomenon in precisely defined successive time moments.

Interval time series indicate the development of a phenomenon in successive time intervals.

Panel data consist of time series by which the level of certain phenomenon is measured, however for each observation unit from the structural series.

## Descriptive statistics

Arithmetic mean of a set, i.e. the average level of a phenomenon is calculated by dividing the sum of all feature values by the number of them:

$$\mu = \frac{x_1 + x_2 + \dots + x_n}{N} = \frac{1}{N} \sum_{i=1}^N x_i$$

where  $x_1, x_2, \dots, x_n$  are the feature values  $X$ , and  $N$  is the number of values.

For the sample size  $n$ , arithmetic mean of ungrouped data is calculated:

$$\bar{x} = \frac{1}{n} \sum_{i=1}^n x_i$$

Arithmetic mean (grouped data):

$$\mu = \frac{1}{N} \sum_{i=1}^k f_i x_i$$

where  $N = \sum_{i=1}^k f_i$ ,  $x_i$  are various feature values,  $f_i$  is the respective frequency.

Geometric mean is the mean value that levels the relative changes of the data values.

$$G = \sqrt[N]{x_1 x_2 \dots x_N}$$

where  $x_1, x_2, \dots, x_N$  are the feature values  $X$ .

Geometric mean (grouped data):

$$G = \sqrt[N]{x_1^{f_1} x_2^{f_2} \dots x_k^{f_k}}$$

where  $N = \sum_{i=1}^k f_i$       where  $N = \sum_{i=1}^k f_i$ .

Modus is the feature value with the highest frequency in the series and therefore is the most typical value of the series:

$$M_o = L_1 + \frac{f_2 - f_1}{(f_2 - f_1) + (f_2 - f_3)} i$$



where  $L_1$  is modal interval bottom limit,  $i$  is the length of group interval, and  $f_1, f_2, f_3$  are frequencies of pre-modal, modal and post-modal interval.

Median is the feature value found in the middle of a series arranged by feature size, i.e. the feature value dividing the sum of all frequencies into two equal parts, in a way that one half has smaller, and other one has higher value than median:

$$M_e = L_1 + \frac{\frac{N}{2} - \sum f_1}{f_{M_e}} \cdot i$$

where  $L_1$  is the bottom limit of median interval,  $N$  is the number of member of the series,

$\sum f_1$  is the sum of frequencies of the pre-median interval,  $f_{M_e}$  is the frequency of median interval and  $i$  is the length median interval.

Variance  $\sigma^2$  is the average of squared deviation of certain feature values from the arithmetical mean value.

For ungrouped data:

$$\sigma^2 = \frac{1}{N} \sum_{i=1}^N (x_i - \mu)^2$$

For grouped:

$$\sigma^2 = \frac{1}{N} \sum_{i=1}^k f_i (x_i - \mu)^2$$

Standard deviation  $\sigma$  is the absolute measure of variation.

For ungrouped data:

$$\sigma = \sqrt{\frac{1}{N} \sum_{i=1}^N x_i^2 - \mu^2}$$

For grouped:

$$\sigma = \sqrt{\frac{1}{N} \sum_{i=1}^N f_i x_i^2 - \mu^2}$$

Sample variance:

$$S^2 = \frac{\sum f_i (x_i - \bar{x})^2}{n-1}$$



Standard sample deviation:

$$S = \sqrt{\frac{\sum f_i x_i^2 - n\bar{x}^2}{n-1}}$$

Coefficient of variation:

$$V = \frac{\sigma}{\mu}$$

Standardized deviation represents the general measure of individual data deviation from the arithmetic mean value:

$$z = \frac{X - \mu}{\sigma}$$

## Sample and sample statistics

Intentional sample is created from the set units that are selected as believed to be representative for the given basic set.

Judgment sample is obtained when each sample unit is selected according to the researcher's personal choice, based on the belief that in this way the representative sample is obtained for the complete basic set.

Convenient samples are created from the set units the selection of which is considered convenient.

Simple random sample is obtained when from the basic set of  $N$  value we take out samples of  $n$  elements so that each possible sample of  $n$  value has equal probability that it could be selected.

$$\text{Sample without replacement: } K = \binom{N}{n} = \frac{N!}{n!(N-n)!}$$

where  $K$  is the number of all different samples.

Sample with replacement:

$$K = N^n$$

Stratum is obtained by dividing a set into a number of homogenous clearly distinctive subsets.

Stratified sample is selected when a simple random sample is selected from each stratum.

Cluster sample is created when instead of certain elements of the basic set we select groups of elements, so-called clusters.

If we do not include all elements of clusters in the sample but select at random some of them only, then we create so-called two-stage sample.

System sample is a random sample the elements of which are selected by certain systemic order, beginning from the random selected start.



## Statistical estimation

Statistical inference is the process of inferring values of the basic set parameters from the information obtained from the sample.

Sample statistics that is applied to estimate an unknown parameter of a set is called parameter estimation.

Point estimation is a function represented by algebraic expression, and numeric value of this function is point estimated value of a set parameter.

$\hat{\theta}$  estimate is an unbiased estimation of  $\vartheta$  parameter if its expected value is equal to  $\vartheta$  parameter.

Estimate is consistent if with increasing the sample size it tends towards  $\vartheta$  parameter.

Estimate is sufficient if it uses all information on the parameter that the sample may provide.

## Statistical hypotheses testing

Statistical hypothesis is any assumption that reduces the family of admissible distributions.

Simple hypothesis is the hypothesis that single way determines the distribution of features.

Alternative hypothesis is the assumption that the feature  $X$  has the distribution belonging to the part of the family of admissible distributions that contains all distributions not covered by the same hypothesis.

Parameter hypothesis – statistical hypothesis that fixes the value and reduces the set of admissible values of certain parameters affecting the distribution.

Non-parameter hypothesis is the assumption that a distribution of features has a given type, not considering the values of parameters.

Statistical test is a rule that shall be applied in deciding whether a null hypothesis should be sustained as correct, or it should be rejected as false.

## Index numbers

Relative variations of the observed phenomenon are expressed by indices, which represent relations between the phenomenon level in the observed period and the respective level in the base period.

Individual indices are relative changes of one phenomenon only.

Group indices represent changes of several related phenomena.

Individual indices with constant base are calculated by taking a data from the series as a base, and putting the other data in relation to it.

Chain indices are individual indices with changeable or chain base.

Index points represent the difference between two base indices.

Geometric mean of chain indices expresses the average, relative growth of a phenomenon in the observed period.

Price index:

$$I_p = \frac{\sum p_i}{\sum p_o}$$

$p_o$  – price in base period,

$p_i$  – price in referent period.

Quantity index:

$$I_q = \frac{\sum q_i}{\sum q_o}$$

$q_o$  – quantity in base period,

$q_i$  – quantity in referent period.

Value index:

$$I_{pq} = \frac{\sum p_i q_i}{\sum p_o q_o}$$

Mean arithmetic group index:

$$\bar{I} = \frac{\sum I \cdot \alpha}{\sum \alpha}$$

$I$  – individual index,

$\alpha$  – weighted factor

Mean geometric group index:

$$\bar{I} = \sqrt[\alpha]{I_1^{\alpha_1} I_2^{\alpha_2} \dots I_n^{\alpha_n}}$$

Aggregate value index:

$$I_{pq} = \frac{\sum p_i q_i}{\sum p_o q_o}$$

Aggregate quantity index:

$$I_q = \frac{\sum q_i p_o}{\sum q_o p_o}$$



Aggregate price index:

$$I_p = \frac{\sum p_i q_o}{\sum p_o q_o}$$

Fisher price index:

Fisher price index:

$$I_p = \sqrt{\frac{\sum p_i q_o}{\sum p_o q_o} \cdot \frac{\sum p_i q_i}{\sum p_o q_i}}$$

Fisher quantity index:

Fisher quantity index:

$$I_p = \sqrt{\frac{\sum p_o q_i}{\sum p_o q_o} \cdot \frac{\sum p_i q_i}{\sum p_i q_o}}$$

## Time series analysis

Time series variations are calculated by applying trend line that shows the average long-term movements of phenomenon and its secular trends.

Trend means the trends of development of an observed phenomenon in certain period, which resulted from the consistent factors that are long-term effective in certain direction.

Seasonal variations are the changes that are repetitive annually, at the same time and in the same direction.

Cyclic variations are alternative appearance of multi-annual deviations of an observed phenomenon above and below the average movements.





## Information technology

Computer (Engl., from to compute = calculate) is electronic computing machine. Due to its high fast computing capacity, the usage proved to be rather extensive. It operates in binary numeral system and the basic memory units are: bit (possibly featuring two values, usually defined 0 and 1), byte = 8 bit (or 256 various 'combinations'), KB (kilobyte) =  $2^{10}$  = 1024 byte, MB (megabyte) =  $2^{10}$  = 1024 KB, GB (gigabyte) =  $2^{10}$  = 1024 MB, TB (terabyte) =  $2^{10}$  = 1024 GB. Information transfer speed measurements are: baud, = 1 bit/sec, Kb (kilobaud) = 1024 baud = 128 byte/sec. IBM company is believed to have made the greatest contribution to the 'democratization' of computers by introducing its PC, i.e. personal computer, the production of which started in 1981.

SORS has always been a leader in introducing new information technologies. The first computer, as anticipated nowadays, in FNRY, was IBM 360, and it was installed at the Federal Statistical Office in Belgrade in 1960.

The first EARN node (European Academic Research Network) for our country, was established at the Statistical Office of RS in 1987 and it was named and referred to as YUBGSS21. Even in those days EARN was connected to the international computer network, i.e. the internet presently.

The SORS is among few statistical institutions in the world featuring a fully operative, production-oriented and independently developed metadata driven system of the latest technology, IST, which is employed for data entry, processing, analysis and publishing of statistics.



## Official measurement units

### 1. SI units

#### 1.1. SI base units

Physical quantity	Unit	
	Name	Symbol
Length	meter	m
Mass	kilogram	kg
Time	second	s
Electric current	ampere	A
Thermodynamic temperature	kelvin	K
Amount of substance	mole	mol
Luminous intensity	candela	cd

#### SI base units: Definitions

##### Linear unit

Meter, i.e. the length of path that light passes for the period of  $1/299792458$  second.

##### Mass unit

Kilogram, i.e. equal to mass of international kilogram prototype.

##### Time unit

Second, the period equal to  $9192631770$  radiation periods, corresponding to the transition between two hyper-fine levels of cesium-133 atom base state.

##### Electricity unit

Ampere, i.e. constant electricity that if maintained in two straight parallel conductors of unlimited length and negligible small round cross section, found in vacuum at a distance of one meter, would induce force between the conductors, equal to  $2 \times 10^{-7}$  newton per meter.

##### Thermodynamic temperature unit

Kelvin, i.e. thermodynamic temperature equal to  $1/273.16$  thermodynamic temperature of the water 3-point.

##### Substance quantity/amount unit

1. Mole, i.e. substance amount of the system containing as many elementary units as is the number of atoms in  $0.012$  kg of carbon-12.
2. When mole is applied, expressed are elementary units such as atoms, molecules, ions, electrons and other particles or certain sets of particles.

##### Luminous intensity unit

Candela, i.e. luminous intensity in certain direction, of a source emitting monochromatic radiation of  $540 \times 10^{12}$  hertz frequency and whose radiation intensity in this direction equals to  $1/683$  watt per steradian.



### 1.1.1. SI Celsius temperature unit

Physical quantity	Unit	
	Name	Symbol
Celsius temperature	Degree Celsius	°C

Celsius temperature is defined as a difference between two thermodynamic temperatures,  $T$  and  $T_0$  ( $t = T - T_0$ ), where  $T_0 = 273.15$  K. The temperature interval or difference can be expressed in Kelvin or degrees Celsius values.

## 1.2. Other SI units

### 1.2.1. SI derived units

Units that are coherently derived from the SI base units are given as algebraic expressions in the form of product of powered SI base units.

### 1.2.2. SI derived units with special names

	Unit		Expressed in	
	Name	Symbol	Other SI units	SI base units
Frequency	herz	Hz		$s^{-1}$
Force	newton	N		$m \cdot kg \cdot s^{-2}$
Pressure	pascal	Pa	$N / m^2$	$m^{-1} \cdot kg \cdot s^{-2}$
Energy, work, heat qty.	joule	J	$N \cdot m$	$m^2 \cdot kg \cdot s^{-2}$
Power, (1) radiation flux	watt	W	$J / s$	$m^2 \cdot kg \cdot s^{-3}$
Electric charge, electricity qty.	coulomb	C		$s \cdot A$
Electric potential, potential difference, voltage, electromotive force	volt	V	$W / A$	$m^2 \cdot kg \cdot s^{-3} \cdot A^{-1}$
Electric resistance	ohm	$\Omega$	$V / A$	$m^2 \cdot kg \cdot s^{-3} \cdot A^{-2}$
Electric capacitance	farad	F	$C / V$	$m^{-2} \cdot kg^{-1} \cdot s^4 \cdot A^2$
El. conductance	siemens	S	$A / V$	$m^2 \cdot kg^{-1} \cdot s^3 \cdot A^2$
Magnetic flux	weber	Wb	$V \cdot s$	$m^2 \cdot kg \cdot s^{-2} \cdot A^{-1}$
Magnetic flux density	tesla	T	$Wb / m^2$	$kg \cdot s^{-2} \cdot A^{-1}$
Inductance	henry	H	$Wb / A$	$m^2 \cdot kg \cdot s^{-2} \cdot A^{-2}$
Luminous flux	lumen	Lm	$cd \cdot sr$	$m^2 \cdot m^{-2} \cdot cd = cd$
Illumination	lux	Lx	$Lm / m^2$	$m^2 \cdot m^{-4} \cdot cd = m^{-2} \cdot cd$

(1) Specific names for power unit are volt-ampere (VA), used to express apparent power of alternating current and var (symbol *var*), used to express reactive electric power.



### 1.2.2. SI derived units with special names (continued)

	Unit		Expressed in	
	Name	Symbol	SI Other SI units	SI base units
Radioactivity	becquerel	Bq		$\text{m}^{-1}$
Absorbed dose of ionizing radiation	gray	Gy	J / kg	$\text{m}^2 \cdot \text{s}^{-2}$
Equivalent dose (of ionizing radiation)	sievert	Sv	J / kg	$\text{m}^2 \cdot \text{s}^{-2}$
Catalytic activity	Kat	kat		$\text{m}^{-1} \cdot \text{mol}$
Plane angle (2)	radian	rad		$\text{m} \cdot \text{m}^{-1} = 1$
Solid angle (2)	steradian	sr		$\text{m}^2 \cdot \text{m}^{-2} = 1$

(2) Unit of plane angle and unit of solid angle are derived units with dimension one.

Definition:

Plane angle unit

Radian, i.e. angle in plane equal to an angle at the center of a circle the arc of which is equal in length to the radius.

Solid angle unit

Steradian, solid angle from the center of a ball, covering on the ball surface a surface equal to the square surface determined by the radius of the ball ( $1 \text{ sr} = 1 \text{ m}^2/\text{m}^2 = 1$ ).

### 1.3. Metric prefixes

Factors	Prefixes	Symbol
$10^{24}$	iota-	Y
$10^{21}$	zeta-	Z
$10^{18}$	exa-	E
$10^{15}$	peta-	P
$10^{12}$	tera-	T
$10^9$	giga-	G
$10^6$	mega-	M
$10^3$	kilo-	k
$10^2$	hecto-	h
$10^1$	deca-	da

Factors	Prefixes	Symbol
$10^{-1}$	deci-	d
$10^{-2}$	centi-	c
$10^{-3}$	milli-	m
$10^{-6}$	micro-	$\mu$
$10^{-9}$	nano-	n
$10^{-12}$	pico-	p
$10^{-15}$	femto-	f
$10^{-18}$	atto-	a
$10^{-21}$	zepto-	z
$10^{-24}$	yocto-	y

Names and symbols of decimal multiples and parts of units are made by putting prefixes in front of "meter" and the respective symbol in front of "m" symbol.

In case a derived unit is given as a quotient, the decimal multiples and parts thereof are made by adding prefix to numerator or denominator, or to both.

It is not possible to combine prefixes, i.e. to use several prefixes simultaneously.



## 1.4. Units with special names and symbols

Physical quantity	Unit		
	Name	Symbol	Value
Volume	liter	l / L*	1 l = 1 dm <sup>3</sup> = 10 <sup>-3</sup> m <sup>3</sup>
Mass	ton	t / t	1 t = 1 Mg = 10 <sup>3</sup> kg
Pressure	bar	bar	1 bar = 10 <sup>5</sup> Pa

\* Both l and L symbols can be used for the unit of liter.

See table 1.3. The units and symbols found in Table 1.4. can also be used.

## 2. Other si derived units

Physical quantity	Unit		
	Name	Symbol	Value
Plane angle	rotation*		1 rotation
	grad, gon	gon	
	degree (angle)	°	
	minute (angle)	'	
	second (angle)	"	
Time	minute	min	
	hour	h	
	day	d	

Table 1.3. – Only used with “rad” and “gon” expressions and symbol “gon”.

## 3. Experimental SI units values

Physical quantity	Unit		
	Name	Symbol	Definition
Energy	Electronvolt	eV	Kinetic energy that electron receives while passing through potential difference of one volt in vacuum.
Mass	Unified atomic mass unit	u	Unified atomic mass unit is equal to 1/12 of atom C <sup>12</sup> mass.

Names and symbols as in Table 1.3. can be used with two units and symbols defined in Table 3.



## 4. Specific units

Physical quantity	Unit		
	Name	Symbol	Value
Refractive power	Diopter		1 diopter = 1 m <sup>-1</sup>
Precious stone mass	Carat		1 carat = 2 × 10 <sup>-4</sup> kg
Land area	Are	a	1 a = 100 m <sup>2</sup>
	Hectare	ha	1 ha = 10 <sup>4</sup> m <sup>2</sup>
Length mass of textile fibre, i.e. thread	Tex	tex	1 tex = 10 <sup>-6</sup> kg · m <sup>-1</sup>
Blood and other body fluids pressure	Mercury level bulb millimeter	mm Hg	1 mm Hg = 133.32 Pa
Effective section	Barn	b	1b = 10 <sup>-28</sup> m <sup>2</sup>

Names and symbols as in Table 1.3. can be used with the units and symbols described in Table 4, except for “millimeter of mercury level bulb” and the respective symbol.

### Examples of measurements <sup>1)</sup>

#### Square measure – square meter (m<sup>2</sup>)

Smaller:

$$1 \text{ m}^2 = 100 \text{ dm}^2$$

$$1 \text{ dm}^2 = 100 \text{ cm}^2$$

$$1 \text{ cm}^2 = 100 \text{ mm}^2$$

Larger:

$$1 \text{ km}^2 = 100 \text{ ha}$$

$$1 \text{ ha} = 100 \text{ a}$$

$$1 \text{ a} = 100 \text{ m}^2$$

#### Cubic measure – cubic metre (m<sup>3</sup>)

Smaller:

$$1 \text{ m}^3 = 1000 \text{ dm}^3$$

$$1 \text{ dm}^3 = 1000 \text{ cm}^3$$

$$1 \text{ cm}^3 = 1000 \text{ mm}^3$$

#### Linear measure

$$1 \text{ km (kilometer)} = 100 \text{ dkm} = 1000 \text{ m}$$

$$1 \text{ hm (hectometer)} = 10 \text{ dkm} = 100 \text{ m}$$

$$1 \text{ m (meter)} = 10 \text{ dm} = 100 \text{ cm} = 1000 \text{ mm}$$

$$1 \text{ dm (decimeter)} = 10 \text{ cm} = 100 \text{ mm}$$

$$1 \text{ cm (centimeter)} = 10 \text{ mm}$$

$$1 \text{ angstrom (A)} = 0.1 \text{ mill microns}$$

#### Capacity measure

$$1 \text{ hl (hectoliter)} = 1000 \text{ dl} = 10000 \text{ cl}$$

$$1 \text{ l (liter)} = 10 \text{ dl} = 100 \text{ cl} = 1000 \text{ ml}$$

$$1 \text{ dl (deciliter)} = 10 \text{ cl} = 100 \text{ ml}$$

$$1 \text{ cl (centiliter)} = 10 \text{ ml}$$

#### Weight

$$1 \text{ wagon} = 10 \text{ tonne} = 10000 \text{ kg}$$

$$1 \text{ tonne (metric ton)} = 10 \text{ q} = 1000 \text{ kg}$$

$$1 \text{ q (cent)} = 100 \text{ kg}$$

$$1 \text{ kg} = 10 \text{ hg} = 1000 \text{ g}$$

$$1 \text{ hg (hectogram)} = 10 \text{ dkg} = 100 \text{ g}$$

$$1 \text{ dkg (decagram)} = 10 \text{ g}$$

$$1 \text{ g (gram)} = 1/1000 \text{ kg}$$

$$1 \text{ cg (centigram)} = 1/100 \text{ g}$$

$$1 \text{ mg (milligram)} = 1/1000 \text{ g}$$

$$1 \text{ carat (precious stones)} = 200 \text{ mg}$$

<sup>1)</sup> Logarithm tables.

## Old measures

1 m = 0.527 hvat; 1 m<sup>2</sup> = 0.278 sq. hvat

1 m<sup>3</sup> = 0.147 cubic hvat

1 ha = 1.74 jutro = 2780 sq. hvat

1 dunum = 1000 m<sup>2</sup> = 0.1 ha

1 hvat = 1.896 m; 1 sq. hvat = 3.597 m<sup>2</sup>

1 cubic hvat = 6.821 m<sup>3</sup>

1 jutro = 1600 sq. hvat = 5755 m<sup>2</sup> = 0.576 ha

1 lanac = 2 000 sq. hvat = 7192 m<sup>2</sup> = 0.719 ha

## British (imperial) measures with metric equivalents

vice versa

### Linear measure

1 nautical mile = 1.853 km

1 km = 0.54 nautical mile

1 mile = 1.609 km 1 km = 0.621 mile

1 čen = 20.116 m; 1 m = 0.05 čen

1 yard = 0.914 m; 1 m = 1.094 yard

1 foot = 0.305 m; 1 m = 3.281 foot

1 inch = 2.54 cm; 1 cm = 0.394 inch

### Square measure

1 sq. mile = 2.59 km<sup>2</sup>

1 km<sup>2</sup> = 0.386 sq. mile

1 acre = 0.405 ha

1 ha = 2.471 acre

1 sq. yard = 0.836 m<sup>2</sup>

1 m<sup>2</sup> = 1.196 sq. yard

1 sq. foot = 0.093 m<sup>2</sup>

1 m<sup>2</sup> = 10.764 sq. foot

1 sq. inch = 6.452 cm<sup>2</sup>

1 cm<sup>2</sup> = 0.155 sq. inch

### Capacity measure

1 British bushel = 36.348 l

1 l = 0.0275 Brit. bushel

1 American bushel = 35.239 l

1 l. = 0.0284 Am. bushel

1 Brit. gallon = 4.546 l

1 l = 0.22 Brit. gallon

1 Am. gallon = 3.785 l

1 l = 0.264 Am. gallon

1 l = 0.264 Am. gallon

1 Brit. quart = 1.137 l

1 l = 0.88 Brit. quart

1 Am. quart = 0.946 l

1 l = 1.057 Am. quart

1 cubic yard = 0.765 m<sup>3</sup>

1 m<sup>3</sup> = 1.308 cubic yard

1 cubic foot = 0.028 m<sup>3</sup>

1 m<sup>3</sup> = 35.315 cubic foot

1 cubic inch = 16.387 cm<sup>3</sup>

1 cm<sup>3</sup> = 0.061 cubic inch

### Weight

1 long ton = 1.016 tonnes

1 tonne = 0.984 long ton

1 short ton = 0.907 tonne

1 tonne = 1.102 short ton

1 pound = 0.454 kg

1 kg = 2.205 pound

1 ounce = 28.35 g

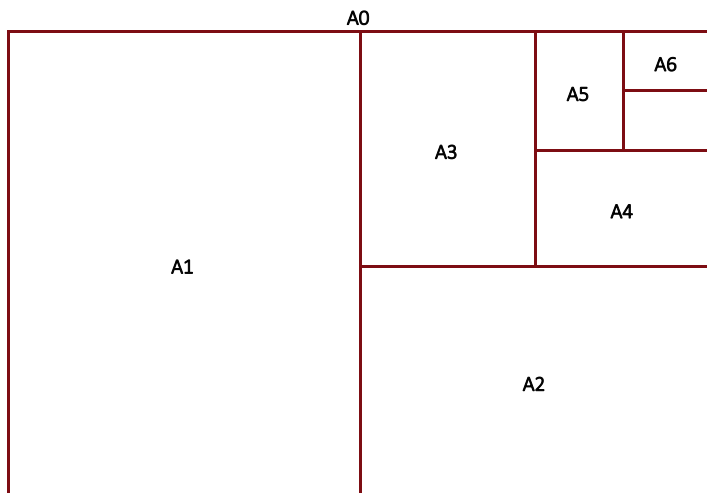
1 g = 0.035 ounce



## Paper sizes

mm

A size		B size		C size	
A0	841 × 1189	B0	1000 × 1414	C0	917 × 1297
A1	594 × 841	B1	707 × 1000	C1	648 × 971
A2	420 × 594	B2	500 × 707	C2	458 × 648
A3	297 × 420	B3	353 × 500	C3	324 × 458
A4	210 × 297	B4	250 × 353	C4	229 × 324
A5	148 × 210	B5	176 × 250	C5	162 × 229
A6	105 × 148	B6	125 × 176	C6	114 × 162
A7	74 × 105	B7	88 × 125	C7	81 × 114
A8	52 × 74	B8	62 × 88	C8	57 × 81
A9	37 × 52	B9	44 × 62	C9	40 × 87





## Chemical elements

Atomic number	Name	Chemical symbol	Relative atomic mass	Type of element
1	Hydrogen	H	1.01	gas
2	Helium	He	4.00	noble gas
3	Lithium	Li	6.94	solid
4	Beryllium	Be	9.01	solid
5	Boron	B	10.82	solid
6	Carbon	C	12.01	solid
7	Nitrogen	N	14.01	gas
8	Oxygen	O	16.00	gas
9	Flourine	F	19.00	gas
10	Neon	Ne	20.18	noble gas
11	Sodium	Na	23.00	solid
12	Magnesium	Mg	24.32	solid
13	Aluminium	Al	26.98	solid
14	Silicon	Si	28.09	solid
15	Phorphorus	P	30.89	solid
16	Sulphur	S	32.07	solid
17	Chlorine	Cl	35.46	gas
18	Argon	Ar	39.94	noble gas
19	Potasium	K	39.10	solid
20	Calcium	Ca	40.08	solid
21	Scandium	Sc	44.96	solid
22	Titanium	Ti	47.88	solid
23	Vanadium	V	50.94	solid
24	Chromium	Cr	52.00	solid
25	Manganese	Mn	54.94	solid
26	Iron	Fe	55.85	solid
27	Cobalt	Co	58.93	solid
28	Nickel	Ni	58.69	solid
29	Copper	Cu	63.55	solid
30	Zinc	Zn	65.38	solid
31	Gallium	Ga	69.72	solid
32	Germanium	Ge	72.59	solid
33	Arsenic	As	74.92	solid
34	Selenium	Se	78.96	solid
35	Bromine	Br	79.90	liquid
36	Krypton	Kr	83.80	noble gas
37	Rubidium	Rb	85.47	solid
38	Strontium	Sr	87.62	solid
39	Yttrium	Y	88.91	solid



## Chemical elements (continued)

Atomic number	Name	Chemical symbol	Relative atomic mass	Type of element
40	Zirconium	Zr	91.22	solid
41	Niobium	Nb	92.91	solid
42	Molybdenum	Mo	95.94	solid
43	Technetium	Tc	98.00	radioactive
44	Ruthenium	Ru	101.07	solid
45	Rhodium	Rh	102.91	solid
46	Palladium	Pd	106.42	solid
47	Silver	Ag	107.87	solid
48	Cadmium	Cd	112.41	solid
49	Indium	In	114.82	solid
50	Tin	Sn	118.69	solid
51	Antimony	Sb	121.75	solid
52	Tellurium	Te	127.60	solid
53	Iodine	I	126.90	solid
54	Xenon	Xe	131.29	noble gas
55	Cesium	Cs	132.91	solid
56	Barium	Ba	137.33	solid
57	Lanthanum <sup>1)</sup>	La	138.91	solid
58	Cerium	Ce	140.12	solid
59	Praseodymium	Pr	140.91	solid
60	Neodymium	Nd	144.24	solid
61	Promethium	Pm	(145)	radioactive
62	Samarium	Sm	150.36	solid
63	Europium	Eu	151.96	solid
64	Gadolinium	Gd	157.25	solid
65	Terbium	Tb	158.93	solid
66	Disposium	Dy	162.50	solid
67	Holmium	Ho	164.93	solid
68	Erbium	Er	167.26	solid
69	Thulium	Tm	168.93	solid
70	Ytterbium	Yb	173.04	solid
71	Lutetium	Lu	174.97	solid
72	Hafnium	Hf	178.49	solid
73	Tantalum	Ta	180.95	solid
74	Tungsten	W	183.85	solid
75	Rhenium	Re	186.21	solid
76	Osmium	Os	190.20	solid
77	Iridium	Ir	192.22	solid
78	Platinum	Pt	195.08	solid
79	Gold	Au	196.97	solid
80	Mercury	Hg	200.59	liquid

<sup>1)</sup> From 57 to 71 atomic mass: lanthanum and lanthanides.



## Chemical elements (continued)

Atomic number	Name	Chemical symbol	Relative atomic mass	Type of element
81	Thalium	Tl	204.38	solid
82	Lead	Pb	207.20	solid
83	Bismuth	Bi	208.98	solid
84	Polonium	Po	(209)	radioactive
85	Astatine	At	(210)	radioactive
86	Radon	Rn	(222)	noble gas
87	Francium	Fr	(223)	radioactive
88	Radium	Ra	226.03	radioactive
89	Actinium <sup>1)</sup>	Ac	227.03	radioactive
90	Thorium	Th	232.04	radioactive
91	Protactinium	Pa	231.04	radioactive
92	Uranium	U	238.03	radioactive
93	Neptunium	Np	237.05	radioactive
94	Plutonium	Pu	(244)	radioactive
95	Americium	Am	(243)	artificially produced
96	Curium	Cm	(247)	artificially produced
97	Berkelium	Bk	(247)	artificially produced
98	Californium	Cf	(251)	artificially produced
99	Einsteinium	Es	(254)	artificially produced
100	Fermium	Fm	(257)	artificially produced
101	Mendelevium	Md	(256)	artificially produced
102	Nobelium	No	(254)	artificially produced
103	Lawrencium	Lr	(257)	artificially produced
104	Rutherfordium	Rf	257.00	artificially produced
105	Dubnium	Db	261.00	artificially produced
106	Seaborgium	Sg	259.00	artificially produced
107	Bohrium	Bh	261.00	artificially produced
108	Hassium	Hs	265.00	artificially produced
109	Maitnerium	Mt	266.00	artificially produced
110	Darmstadtium	Ds	269.00	artificially produced
111	Roentgenium	Rg	272.00	artificially produced
112	Ununbium	Uub	277.00	artificially produced
113	Ununtrium	Uut	284.00	artificially produced
114	Ununquadrrium	Uuq	288.00	artificially produced
115	Ununpentium	Uup	288.00	artificially produced

<sup>1)</sup> From 89 to 103 atomic mass: actinium and actinides.



# PERIODIC TABLE OF ELEMENTS

group period	s - elements		d - elements										p - elements												
	1a	2a	1b	2b	3b	4b	5b	6b	7b	8b	9b	10b	11b	12b	13a	14a	15a	16a	17a	18a					
1	<b>H</b> Hydrogen																				<b>He</b> Helium				
2	<b>Li</b> Lithium	<b>Be</b> Beryllium																	<b>B</b> Boron	<b>C</b> Carbon	<b>N</b> Nitrogen	<b>O</b> Oxygen	<b>F</b> Fluorine	<b>Ne</b> Neon	
3	<b>Na</b> Sodium	<b>Mg</b> Magnesium																	<b>Al</b> Aluminium	<b>Si</b> Silicon	<b>P</b> Phosphorus	<b>S</b> Sulphur	<b>Cl</b> Chlorine	<b>Ar</b> Argon	
4	<b>K</b> Potassium	<b>Ca</b> Calcium	<b>Sc</b> Scandium	<b>Ti</b> Titanium	<b>V</b> Vanadium	<b>Cr</b> Chromium	<b>Mn</b> Manganese	<b>Fe</b> Iron	<b>Co</b> Cobalt	<b>Ni</b> Nickel	<b>Cu</b> Copper	<b>Zn</b> Zinc	<b>Ga</b> Gallium	<b>Ge</b> Germanium	<b>As</b> Arsenic	<b>Se</b> Selenium	<b>Br</b> Bromine	<b>Kr</b> Krypton							
5	<b>Rb</b> Rubidium	<b>Sr</b> Strontium	<b>Y</b> Yttrium	<b>Zr</b> Zirconium	<b>Nb</b> Niobium	<b>Mo</b> Molybdenum	<b>Tc</b> Technetium	<b>Ru</b> Ruthenium	<b>Rh</b> Rhodium	<b>Pd</b> Palladium	<b>Ag</b> Silver	<b>Cd</b> Cadmium	<b>In</b> Indium	<b>Sn</b> Tin	<b>Sb</b> Antimony	<b>Te</b> Tellurium	<b>I</b> Iodine	<b>Xe</b> Xenon							
6	<b>Cs</b> Caesium	<b>Ba</b> Barium	*	<b>Hf</b> Hafnium	<b>Ta</b> Tantalum	<b>W</b> Tungsten	<b>Re</b> Rhenium	<b>Os</b> Osmium	<b>Ir</b> Iridium	<b>Pt</b> Platinum	<b>Au</b> Gold	<b>Hg</b> Mercury	<b>Tl</b> Thallium	<b>Pb</b> Lead	<b>Bi</b> Bismuth	<b>Po</b> Polonium	<b>At</b> Astatine	<b>Rn</b> Radon							
7	<b>Fr</b> Francium	<b>Ra</b> Radium	**	<b>Rf</b> Rutherfordium	<b>Db</b> Dubnium	<b>Sg</b> Seaborgium	<b>Bh</b> Bohrium	<b>Hs</b> Hassium	<b>Mt</b> Meitnerium	<b>Ds</b> Darmstadtium	<b>Rg</b> Roentgenium	<b>Uub</b> Ununbium	<b>Uuq</b> Ununquadium	<b>Uup</b> Ununpentium	<b>Uuq</b> Ununquadium	<b>Uup</b> Ununpentium									

group	1a	2a	3a	4a	5a	6a	7a	8a
57	<b>La</b> Lanthanum	<b>Ce</b> Cerium	<b>Pr</b> Praseodymium	<b>Nd</b> Neodymium	<b>Pm</b> Promethium	<b>Sm</b> Samarium	<b>Eu</b> Europium	<b>Gd</b> Gadolinium
58								<b>Tb</b> Terbium
59								<b>Dy</b> Dysprosium
60								<b>Ho</b> Holmium
61								<b>Er</b> Erbium
62								<b>Tm</b> Thulium
63								<b>Yb</b> Ytterbium
64								<b>Lu</b> Lutetium
89	<b>Ac</b> Actinium	<b>Th</b> Thorium	<b>Pa</b> Protactinium	<b>U</b> Uranium	<b>Np</b> Neptunium	<b>Pu</b> Plutonium	<b>Am</b> Americium	<b>Cm</b> Curium
90								<b>Bk</b> Berkelium
91								<b>Cf</b> Californium
92								<b>Es</b> Einsteinium
93								<b>Fm</b> Fermium
94								<b>Md</b> Mendelevium
95								<b>No</b> Nobelium
96								<b>Lr</b> Lawrencium



## Serbian cyrillic

А, а	(a)	Ј, ј	(j)	С, с	(s)
Б, б	(b)	К, к	(k)	Т, т	(t)
В, в	(v)	Л, л	(l)	Ђ, ђ	(ć)
Г, г	(g)	Љ, љ	(lj)	У, у	(u)
Д, д	(d)	М, м	(m)	Ф, ф	(f)
Ђ, ђ	(đ)	Н, н	(n)	Х, х	(h)
Е, е	(e)	Њ, њ	(nj)	Ц, ц	(c)
Ж, ж	(ž)	О, о	(o)	Ч, ч	(č)
З, з	(z)	П, п	(p)	Џ, џ	(dž)
И, и	(i)	Р, р	(r)	Ш, ш	(š)

## Serbian latin

A, a	G, g	O, o
B, b	H, h	P, p
C, c	I, i	R, r
Č, č	J, j	S, s
Ć, ć	K, k	Š, š
D, d	L, l	T, t
Dž, dž	Lj, lj	U, u
Đ, đ	M, m	V, v
E, e	N, n	Z, z
F, f	Nj, nj	Ž, ž



## Greek alphabet

A, α	alpha	I, ι	iota	P, ρ	ro
B, β	beta	K, κ	kappa	Σ, σ	sigma
Γ, γ	gamma	Λ, λ	lambda	T, τ	tau
Δ, δ	delta	M, μ	mi	Υ, υ	ipsilon
E, ε	epsilon	N, ν	ni	Φ, φ	phi
Z, ζ	zeta	Ξ, ξ	ksi	X, χ	xi
H, η	eta	O, ο	omicron	Ψ, ψ	psi
Θ, θ	theta	Π, π	pi	Ω, ω	omega

## English alphabet

A, a	(ei)	N, n	(en)
B, b	(bi)	O, o	(ou)
C, c	(si)	P, p	(pi)
D, d	(di)	Q, q	(kju)
E, e	(i)	R, r	(a:)
F, f	(ef)	S, s	(es)
G, g	(dži)	T, t	(ti)
H, h	(eič)	U, u	(ju)
I, i	(aj)	V, v	(vi)
J, j	(džei)	W, w	(dabl ju)
K, k	(kej)	X, x	(eks)
L, l	(el)	Y, y	(vai)
M, m	(em)	Z, z	(zed)



## Serbian letters pronounced in other languages

Cyrilic	Latin	English	France	Italia
А а	A a	lOve, mUd	PArc, sAIAde	Anno
Б б	B b	Bad, BeD	Bien, saBlE	Bene, Buono
В в	V v	Very	Voyage	Voglia, Viaggio
Г г	G g	Georgeous	Garage, baGage	GHetto, GHepardo
Д д	D d	Delay, beD	Dommage, DAnger	Donna, Dente
Ђ ђ	Đ đ			GiorGlo, buon GIorno
Е е	E e	bEd, Alr	Méloдие	pEricoloso
Ж ж	Ž ž		bonJOur, garaGe	
З з	Z z	wiZard, Xerox	magaZine, raiSin	pericoloSo
И и	I i	mEEt, mEAt, IrltatIng	virtuel, Image	pericoloso
Ј ј	J j	heY, You	AbEILLE, portAIL	Juventus
К к	K k	Car, Keep	Corbeau, Kangourou	periColoso
Л л	L l	Love, Low	Louvre, piLLuLe	Latte, Lacrima
Љ љ	Lj lj	vaLue		famiGLia
М м	M m	More, Meat	Machine, hoMMage	Mamma Mia
Н н	N n	NoNe	Névrose, aNimal	Nome
Њ њ	Nj nj	New	CampaGNe	coGNome, campaGNa
О о	O o	mOre	Drôle, EAU, hAUt	pericOIoS
П п	P p	Pea	Poule, aPPeler	Pericoloso
Р р	R r	fRee	aRRiver, Rouille	poRca miseRia
С с	S s	Stand, Still	Salle, aSSaSSin, balanÇoire, deSCendre	Saluti, belliSSimo
Т т	T t	Travel, meeT	Travailler, aTTendre	Tavola, presTo
Ћ ћ	Ć ć			Ciao, CiCiolina
У у	U u	mOve, bOOk	pOUle	Uomo, Uno
Ф ф	F f	PHone, Far	Follie, PHilippe	Famiglia
Х х	H h	Hello, CHromatic		
Ц ц	C c	TZar, naZi	TZar, Tsarine	stronZo
Ч ч	Č č	TCHaikovsky, CHair	TCHaikovsky	
Џ џ	Dž dž	GeorGe, John	baDGe	
Ш ш	Š š	SHelf, CHEvrolet	CHeveux, aCHeter	SCImmia, SCIare



## Roman numerals

I	=	1	XX	=	20	CC	=	200
II	=	2	XXX	=	30	CCC	=	300
III	=	3	XL	=	40	CD	=	400
IV	=	4	L	=	50	D	=	500
V	=	5	LX	=	60	DC	=	600
VI	=	6	LXX	=	70	DCC	=	700
VII	=	7	LXXX	=	80	DCCC	=	800
VIII	=	8	XC	=	90	CM	=	900
IX	=	9	C	=	100	M	=	1000
X	=	10						

## Months

	Serbian	Croat	Slovene	Macedonian	English	Russian	Old Slav
I	Јануар	Siječanj	Januar	Јануари	January	Январь	Коложер
II	Фебруар	Veljača	Februar	Февруари	February	Февраль	Сечко
III	Март	Ožujak	Marec	Март	March	Март	Дерикожа
IV	Април	Travanj	April	Април	April	Апрель	Лажитрава
V	Мај	Svibanj	Maj	Мај	May	Май	Цветањ
VI	Јун	Lipanj	Junij	Јуни	June	Июнь	Трешњак
VII	Јул	Srpanj	Julij	Јули	July	Июль	Жетвар
VIII	Август	Kolovoz	Avгust	Август	August	Август	Гумник
IX	Септембар	Rujan	September	Септември	September	Сентябрь	Поздерник
X	Октобар	Listopad	Oktober	Октомври	October	Октябрь	Шумопад
XI	Новембар	Studeni	November	Ноември	November	Ноябрь	Студени
XII	Децембар	Prosinac	December	Декември	December	Декабрь	Коледар



*Notes*



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