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STATISTICAL POCKETBOOK OF THE REPUBLIC OF SERBIA

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PREFACE

“Statistical Pocketbook of the Republic of Serbia” is an edition released by 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 came 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 undertaken by the statistical information system. Apart from the statistics produced by SORS, this pocketbook contains the data taken from the National Bank of Serbia, the Ministry of the Interior, the Ministry of Justice, the Ministry of Labour, Employment, Veteran and Social Affairs, the Public health institute “*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; therefore, these data are not included in the coverage for the Republic of Serbia (total).

Belgrade, April 2024

Director

Dr Miladin Kovačević



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SYMBOLS

- no occurrence of event

... data not available

0 value not zero but less than 0,5 of the unit employed

() incomplete or estimated data

* corrected data

Ø average

¹⁾ footnote

STATISTICAL OVERVIEW

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Republic of Serbia – area

km²

	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 2023.

Source: Republic geodetic authority.

Length of boundaries of the Republic of Serbia

km²

	Type of boundary			Total length	%
	land	rivers	lakes		
Total	1 567.3	751.1	43.3	2 361.7	100.0
%	66.4	31.8	1.8	100.0	-
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 2023.

Source: Republic geodetic authority

(Data on the 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 ¹⁾

	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, <i>NSTJ</i>	30	1	7	8	9	5
Administrative districts	29	0	7	8	9	5
Municipalities/Cities/ City municipalities	197	17	45	53	53	29
Cities	29	1	8	10	9	1
Cities with city municipalities	5	1	0	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 2023.

¹⁾ Pursuant to the Regulation on the national nomenclature of statistical territorial units (*NSTJ*).

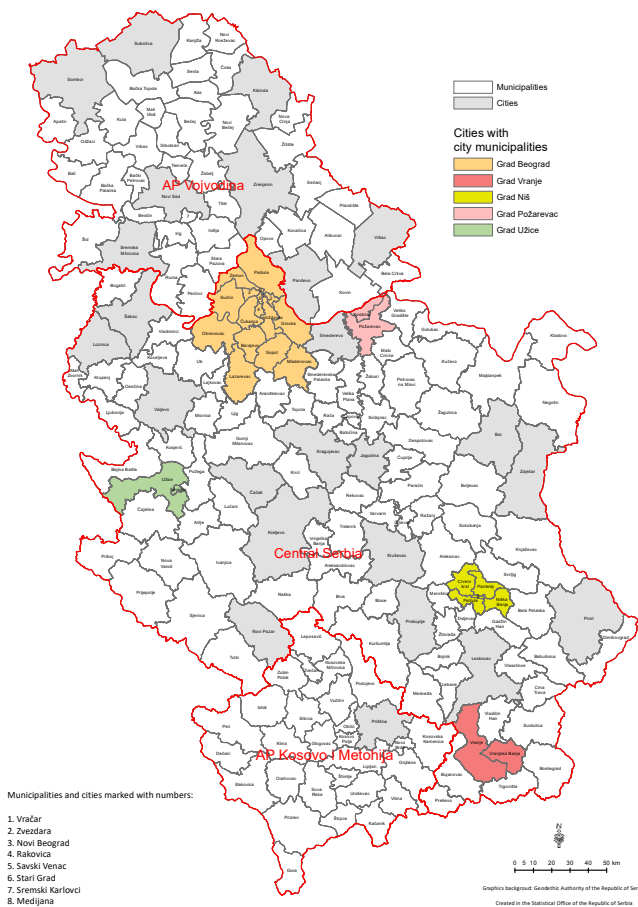
Geographic coordinates of the extreme points of the Republic of Serbia

	North latitude	East longitude ¹⁾	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.

¹⁾ By Greenwich.

Cities and municipalities in the Republic of Serbia



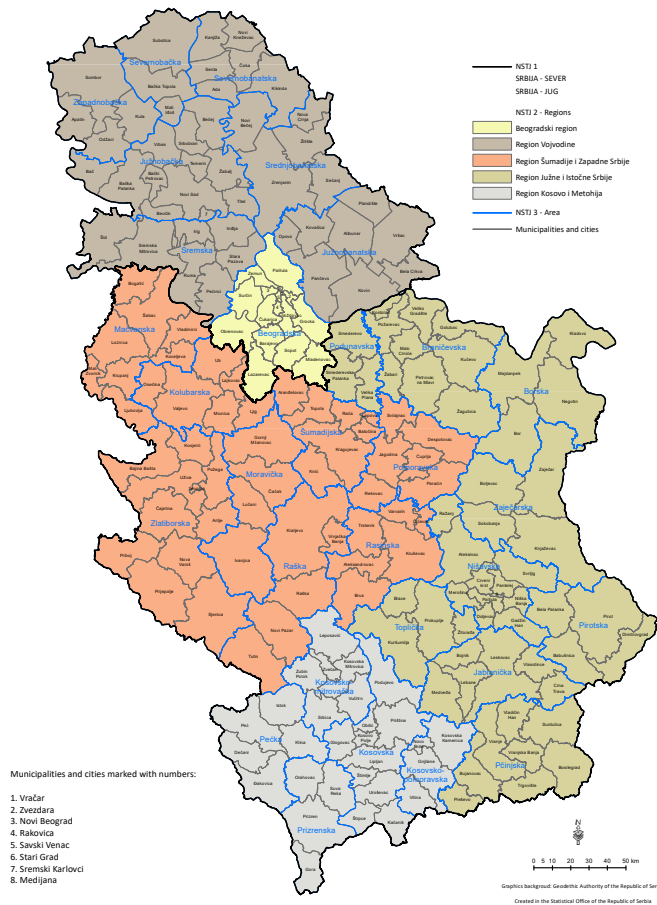
As of 1 January 2023.

Edited at SORS.

Source: Graphic layout by the Republic geodetic authority.



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

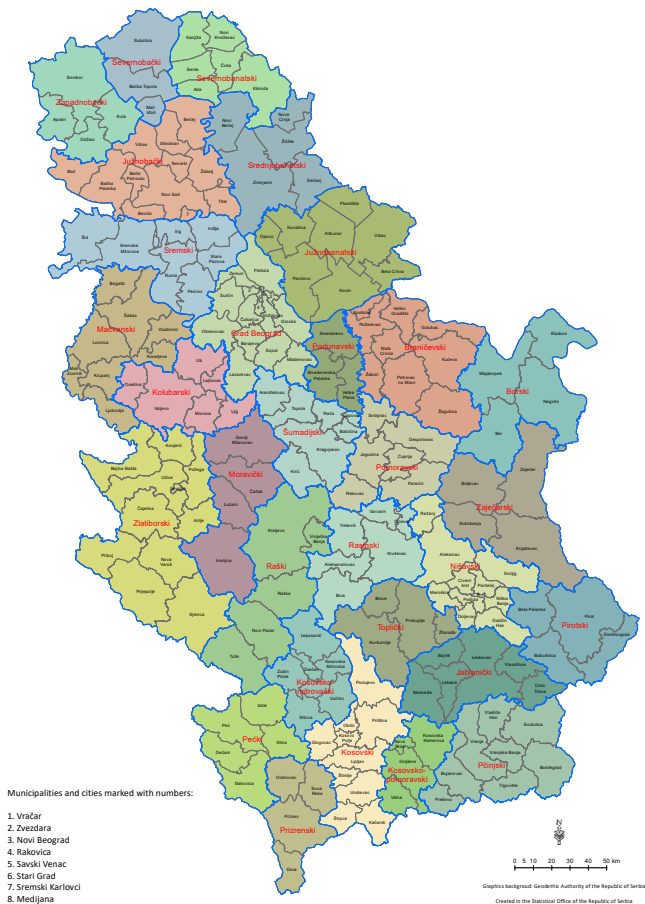


As of 1 January 2023.

Edited at SORS.

Source: Graphic layout by the Republic geodetic authority.

Municipalities and cities in the Republic of Serbia by administrative districts



As of 1 January 2023.

Edited at SORS.

Source: Graphic layout by the Republic geodetic authority.



Major mountain peaks

over 2 000 m

Peak	Mountain	Altitude, m
Velika Rudoka	Šar-planina	2 660
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 (Bogićevica)	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 Prifit	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 ¹⁾	2 811	588	588	Black Sea
Tisa	966	168	168	Danube
Sava	945	206	206	Danube
Tamiš	359	118	3	Danube
Drina ²⁾	346	220	-	Sava
Južna Morava ³⁾	295	286	-	Velika Morava
Ibar ⁴⁾	272	238	-	Zapadna Morava
Begej (navigable)	244	75	75	Tisa
Nišava	218	151	-	Južna Morava
Timok	202	202	-	Danube
Velika Morava ⁵⁾	185	185	3	Danube
Zapadna Morava ⁶⁾	184	184	-	Velika Morava
Pčinja	135	52	-	Vardar
Bosut	132	20	-	Sava
Toplica	130	130	-	Južna Morava
Pek ⁷⁾	129	129	-	Danube
Beli Drim ⁸⁾	125	108	-	Drim
Moravica (Golijška)	98	98	-	Zapadna Morava
Rasina	92	92	-	Zapadna Morava
Veliki Timok ⁹⁾	88	88	-	Danube
Visočica	86	69	-	Nišava
Jablanica	85	85	-	Južna Morava
Crni Timok	84	84	-	Timok
Kolubara ¹⁰⁾	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).

¹⁾ 2860 km with the converging river Breg.

²⁾ 492 km with the river Tara.

³⁾ 295 km with the river Binačka Moravica.

⁴⁾ 276 km with the Županica, 284 km with Sitnica and Nerodimka.

⁵⁾ through the Zapadna Morava river: 467 km with the river Golijška Moravica, 542 km with the Ibar and Županica rivers, 550 km with the Ibar, Sitnica i Nerodimka.

⁶⁾ 282 km with the Golijška Moravica, 353 km with the Ibar (source), 357 km with the Ibar and Županica rivers, 365 km with the Ibar, Sitnica and Nerodimka rivers.

⁷⁾ 140 km with the Lipa.

⁸⁾ 171 km with the Pečka Bistrica.

⁹⁾ 188 km with the Crni Timok and the Crnovrška river.

¹⁰⁾ 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 ¹¹⁾	78	78	-	Danube
Đetinja	75	75	-	Zapadna Morava
Veternica	75	75	-	Južna Morava
Sitnica ¹²⁾	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 ¹³⁾	62	60	-	Beli Drim
Studenica	60	60	-	Ibar
Dragovištica ¹⁴⁾	38	14	-	Struma

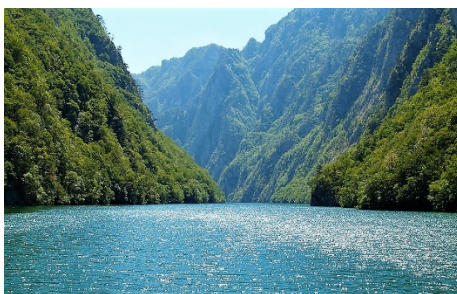
Source: Faculty of geography, Belgrade.

¹¹⁾ 102 km with the Velika Tisna river.

¹²⁾ 110 km with the Sazlija and the Nerodimka rivers.

¹³⁾ 71 km with the Bjeluha river.

¹⁴⁾ 71 km with the Božička river.



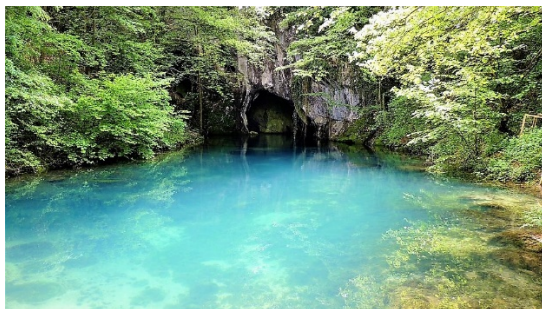
Lakes

over 4 km²

Lake	Area, km ²	Altitude, m	Maximum depth, m	Water volume, m ³
Lake Đerdap ¹⁾ (on the Danube river)	253	70	92	5 000
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.

¹⁾ 75 km² being the territory of Romania.



Water usage in industry

m³, million

	2021	2022
Water abstracted ¹⁾	3 732	3 216
Water use ¹⁾	3 732	3 216
Discharged ¹⁾ water	108	132
Treated wastewater	29	30
Reused water	3	1

¹⁾ Waters used for hydropower plants are excluded.

Abstracted, distributed water and urban wastewater

m³, million

	2021*	2022
Water abstracted	687	702
Distributed water	445	456
Water losses	241	246
Total urban wastewater	426	437
Treated urban wastewater	58	59

* Corrected data.

Abstracted water for irrigation

	Water abstraction, m ³ , million			
	Total ¹⁾	Underground waters	Rivers	Reservoirs and lakes
2021	92	7	78	7
2022	99	4	93	3
Danube	93	3	87	2
Sava	3	1	2	0
Morava ²⁾	4	0	4	0

¹⁾ Included water from public water supply networks.

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

Protection against damaging water effects

	2021	2022
Floods		
Drained area, ha, thousand	1 974	1 962
Number of flooded settlements	330	312
Eroded land, km ²	3 912	4 292

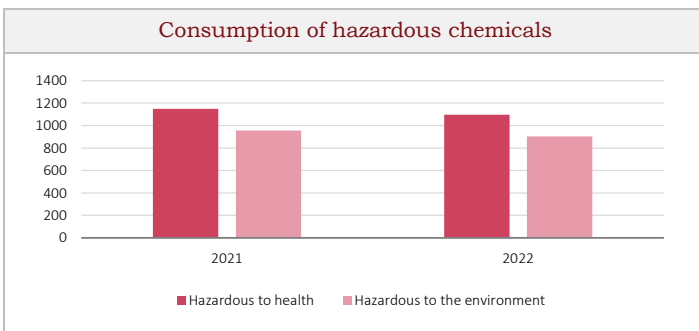


Consumption of hazardous chemicals

t, thousand

	2021	2022
Hazardous to health	1 148	1 096
Hazardous to the environment	957	904

¹⁾ 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 ¹⁾ and from households

t, thousand

	2021	2022 ²⁾
Total	72 156	176 944
Hazardous	14 245	29 915
Non-hazardous	57 912	147 028
Agriculture, forestry and fishing	86	88
Mining and quarrying	59 506	164 903
Manufacturing	1 503	1 071
Electricity, gas, steam and air conditioning supply	7 256	6 531
Water supply, sewerage, waste management and remediation activities	676	952
Construction	590	715
Service activities ³⁾	423	459
Household waste ⁴⁾	2 115	2 225

¹⁾ Classification of Activities, NACE Rev. 2.

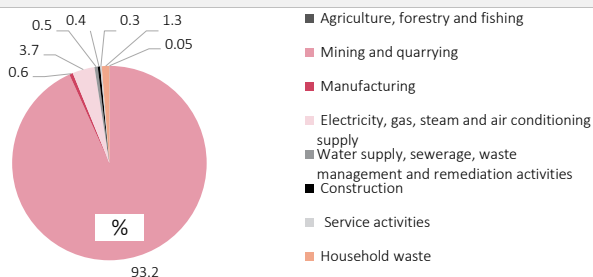
²⁾ The data are not final.

³⁾ Included sections G–S CA.

⁴⁾ Estimate.



Generated waste by CA/NACE Rev. 2 sections, 2022



SO₂ emission account, according to NACE Rev. 2 and households kt (Gg)

CA/NACE Rev. 2	2020	2021
Manufacturing	15.4	12.8
Electricity, gas, steam and air conditioning supply	381.4	349.5
Other sections	6.7	5.3
Household air emissions	14.2	10.6

NO_x emission account, according to NACE Rev. 2 and households kt (Gg)

CA/NACE Rev. 2	2020	2021
Agriculture, forestry and fishing	11.4	7.3
Manufacturing	15.9	17.4
Electricity, gas, steam and air conditioning supply	73.4	68.4
Other sections	16.6	19.6
Household air emissions	58.9	62.2

Material flow indicators t, thousand

	2021	2022
Domestic extraction (DE)	129 029	138 251
Imports	20 147	23 120
Exports	16 340	15 155
Direct material input (DMI)	149 175	161 371
Domestic material consumption (DMC)	132 835	146 216
Physical trade balance	3 806	7 965
Resource productivity, RSD/kg	39.9	37.2
Domestic material consumption per capita, t/cap.	19.4	21.9

Net energy consumption (use) of households

TU

	2020	2021
Net energy consumption of households	654 972.7	673 298.6
For energy purpose	624 310.7	643 148.2
For non-energy purpose	30 662.0	30 150.5

Environmental tax revenues, by type of taxes

mill,RSD

	2020	2021
Total	217 891	243 933
Energy taxes	189 558	213 209
Transport taxes	16 275	16 898
Pollution taxes	9 069	10 171
Resource taxes	2 989	3 655

Expenditures for environmental protection and revenues from environmental protection related activities

RSD million

	2021	2022
Investments for environmental protection	29 803.3	27 231.8
Current expenditures for environmental protection	38 373.1	42 019.3
Revenues from environmental protection related activities	62 430.3	59 324.9

Emission of pollutants ¹⁾

	Unit of measurement	1990	1995	2000	2005	2010	2015	2020	2021
NO _x	kt	183.0	151.8	146.6	165.3	147.6	145.0	176.2	174.8
NMVOC	kt	191.2	145.2	148.9	148.6	136.1	125.2	136.9	134.2
SO _x	kt	576.6	499.2	463.1	443.7	401.3	362.4	417.6	378.2
PM _{2.5}	kt	54.7	34.8	40.0	39.7	42.6	37.8	58.0	58.8
PM ₁₀	kt	73.3	49.7	54.1	54.3	56.6	52.3	74.5	75.9
CO	kt	517.9	351.4	400.2	403.4	348.4	269.3	367.9	363.6
NH ₃	kt	126.0	114.7	106.9	106.8	91.5	85.9	79.6	72.2

Source: Environmental Protection Agency.

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



National parks ¹⁾

	Year of proclamation	Area, ha	Altitude, m
Đerdap	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.

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

Protected natural areas, 2022

	Republic of Serbia
Protected natural heritage ¹⁾	467
National parks	5
Natural parks	18
Landscapes	25
Reservations	66
Nature monuments	311
Cultural and historical areas	36
Protected habitat	6

Source: Institute for Nature Conservation of Serbia (www.zzps.rs)

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

Protected plant and animal species, 2022

	Total
Strictly protected and protected wild species of plants, animals and fungi ¹⁾	2 649
Strictly protected wild species	1 784
Protected wild species	865
Wild flora and fauna under the regulation of use and marketing ²⁾	90

Source: Institute for Nature Conservation of Serbia (www.zzps.rs).

¹⁾ 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).

²⁾ 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).¹⁾

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)²⁾

Bačko Podunavlje (2017)

Ramsar sites³⁾

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 Areas⁴⁾

IPA sites – Important Plant Areas⁵⁾

PBA sites – Prime Butterfly Areas⁶⁾

61 potential EMERALD sites⁷⁾⁸⁾

101 Important Sites for Ecological Network⁹⁾

Source: Institute for Nature Conservation of Serbia.

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

²⁾ UNESCO – MAB program (Man and the Biosphere) (www.unesco.org/mab)

³⁾ 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)

⁴⁾ 42 IBAs sites - Important Bird Areas (www.birdlife.org)

⁵⁾ 61 IPAs sites - Important Plant Area (www.plantlifeipa.org)

⁶⁾ 40 PBAs sites - Prime Butterfly Areas (www.butterfly-conservation.org)

⁷⁾ EMERALD Network includes 61 potential sites

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

⁹⁾ 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	Karadžorđevo
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 ¹⁾

Republic of Serbia

	Population	Males	Females	Population per 1 km ²	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 ²⁾	7 822 795	3 841 717	3 981 078	100.8	2 418 156	3.2
2002 ²⁾	7 498 001	3 645 930	3 852 071	96.6	2 521 190	3.0
2011 ²⁾³⁾	7 186 862	3 499 176	3 687 686	92.6	2 487 886	2.9
2022	6 647 003	3 231 978	3 415 025	85.7	2 589 344	2.6

¹⁾ Indicator value changed due to the revised territorial area of the Republic of Serbia.

²⁾ 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.

³⁾ In 2011 Census recorded was under-coverage of census units owing to the boycott by the majority of the Albanian ethnic community in the municipalities of Preševo and Bujanovac.

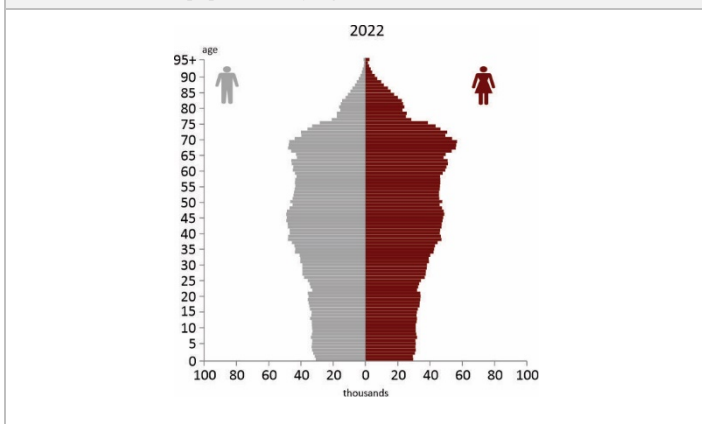
Most frequent given names, 2022 Census ³⁾

Republic of Serbia

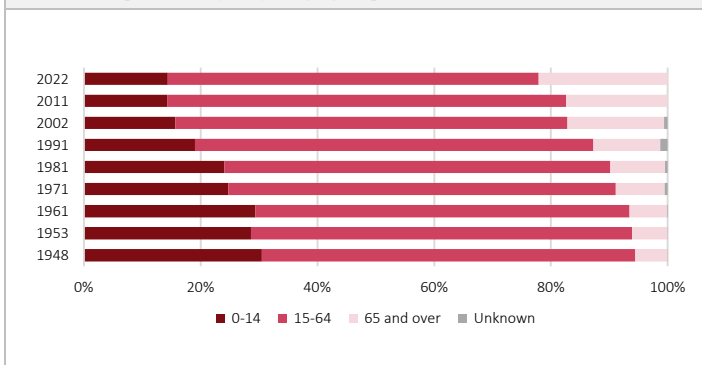
	Females	Males
1.	Jelena	Dragan
2.	Milica	Aleksandar
3.	Marija	Milan
4.	Dragana	Nikola
5.	Mirjana	Zoran
6.	Ljiljana	Marko
7.	Snežana	Miloš
8.	Ivana	Goran
9.	Gordana	Dejan
10.	Ana	Dušan



RS population by age and sex, 2022 Census



Population by major age groups, 1948-2022 censuses ¹⁾



¹⁾ 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, 2022 Census

	Republic of Serbia					
	Total	Srbija – sever		Srbija – jug		
		Beogra-dski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
Total	6 647 003	1 681 405	1 740 230	1 819 318	1 406 050	...
Serbs	5 360 239	1 449 241	1 190 785	1 547 121	1 173 092	...
Albanians	61 687	932	1 935	675	58 145	...
Bosniaks	153 801	1 515	718	151 374	194	...
Bulgarians	12 918	889	1 123	352	10 554	...
Bunjevci	11 104	119	10 949	21	15	...
Vlachs	21 013	336	185	923	19 569	...
Goranci	7 700	5 249	1 283	606	562	...
Yugoslavs	27 143	10 499	12 438	2 327	1 879	...
Hungarians	184 442	1 386	182 321	374	361	...
Macedonians	14 767	4 293	7 021	1 218	2 235	...
Muslimsh	13 011	2 718	2 419	7 559	315	...
Germans	2 573	341	1 985	113	134	...
Roma people	131 936	23 160	40 938	17 167	50 671	...
Romanians	23 044	1 064	19 595	412	1 973	...
Russians	10 486	4 659	4 208	1 123	496	...
Ruthenians	11 483	215	11 207	41	20	...
Slovaks	41 730	1 656	39 807	122	145	...
Slovenes	2 829	1 050	1 291	181	307	...
Ukrainians	3 969	458	3 133	184	194	...
Croats	39 107	4 554	32 684	994	875	...
Montenegrins	20 238	5 134	12 424	1 582	1 098	...
Other	21 643	8 900	8 024	2 008	2 711	...
Regional affiliation	11 929	1 007	9 985	652	285	...
Did not declare	136 198	30 130	70 339	15 234	20 495	...
Unknown ¹⁾	322 013	121 900	73 433	66 955	59 725	...

¹⁾ For persons that in 2022 Census were imputed from administrative sources, the data on ethnicity is not known. Besides, the modality *Unknown* includes the persons for which the question on ethnicity was not collected, or provided was a reply that does not stand for the declaration on ethnal attainment.



Population by religious affiliation, 2022 Census

	Republic of Serbia					
	Total	Srbija – sever		Srbija – jug		
		Beogra-dski region	Region Voj-vodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
Total	6 647 003	1 681 405	1 740 230	1 819 318	1 406 050	...
Christian	5 758 719	1 433 602	1 528 515	1 563 005	1 233 597	...
Orthodox	5 387 426	1 412 207	1 228 236	1 538 574	1 208 409	...
Catholic	257 269	9 041	243 587	2 222	2 419	...
Protestant	54 678	2 453	47 568	547	4 110	...
Other Christian	59 346	9 901	9 124	21 662	18 659	...
Islam	278 212	28 210	15 049	163 970	70 983	...
Judaism	602	365	196	17	24	...
Eastern religions	1 207	543	410	122	132	...
Other religions	500	232	157	57	54	...
Agnostics	8 654	4 793	2 458	667	736	...
Not believers (atheist)	74 139	36 766	25 192	5 087	7 094	...
Did not declare	169 486	42 326	84 288	17 280	25 592	...
Unknown ¹⁾	355 484	134 568	83 965	69 113	67 838	...

¹⁾The solution *Unknown* covers the persons for which the data have not been collected, the persons that provided an answer that cannot be regarded as declaration on religious affiliation, as well as the persons for which the data were taken from administrative sources.



Population by mother tongue, 2022 Census

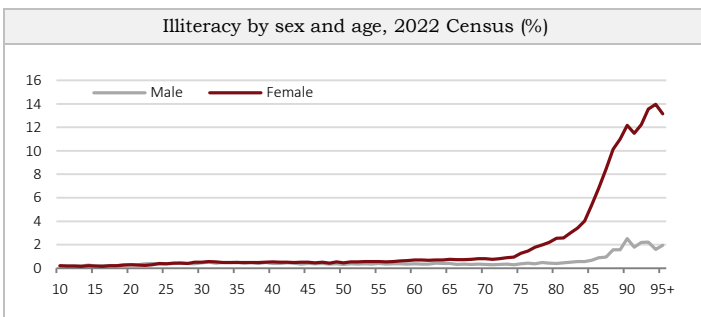
	Republic of Serbia					
	Total	Srbija – sever		Srbija – jug		
		Beogradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
Total	6 647 003	1 681 405	1 740 230	1 819 318	1 406 050	...
Serbian	5 607 558	1 498 612	1 329 899	1 580 427	1 198 620	...
Albanian	65 475	3 017	3 666	671	58 121	...
Bosnian	145 329	612	512	143 964	241	...
Bulgarian	7 939	370	400	141	7 028	...
Bunjevac dialect	3 319	16	3 297	5	1	...
Vlachian	23 216	185	140	1 169	21 722	...
Hungarian	170 875	902	169 518	235	220	...
Macedonian	8 375	3 053	2 346	1 040	1 936	...
German	1 389	310	733	174	172	...
Roma language	79 687	14 129	22 891	7 717	34 950	...
Romanian	21 477	953	18 038	600	1 886	...
Russian	11 255	5 235	4 226	1 221	573	...
Ruthenian	8 725	90	8 605	17	13	...
Slovak	38 584	1 338	37 053	77	116	...
Slovenian	1 302	647	348	145	162	...
Ukrainian	1 527	273	958	128	168	...
Croatian	12 048	1 783	9 298	487	480	...
Montenegrin	1 981	717	903	238	123	...
Other languages	45 641	15 553	19 606	4 355	6 127	...
Did not declare	88 122	19 115	41 783	11 803	15 421	...
Unknown ¹⁾	303 179	114 495	66 010	64 704	57 970	...

¹⁾ *Unknown* covers persons for whom the data was not collected, the persons that provided a reply which cannot be accepted as a declaration on mother tongue, as well as the persons for whom the data were taken over from administrative sources.



Population aged 15 and over by educational attainment, 2022 Census

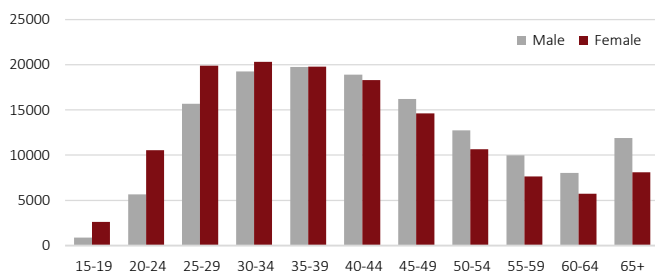
	Republic of Serbia					
	Total	Srbija – sever		Srbija – jug		
		Beogradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
Total	5 691 551	1 427 135	1 485 259	1 561 084	1 218 073	...
Without education attainment	57 667	7 061	17 364	15 902	17 340	...
Incomplete primary education	299 739	22 004	72 789	111 061	93 885	...
Primary	1 013 067	151 753	279 362	321 646	260 306	...
Secondary	3 020 958	727 281	817 369	847 298	629 010	...
Higher/college	344 056	116 149	80 695	79 908	67 304	...
University education	933 340	391 745	213 394	181 161	147 040	...
Unknown	22 724	11 142	4 286	4 108	3 188	...



Population aged 15 and over by formal marital status, 2022 Census

	Republic of Serbia					
	Total	Srbija – sever		Srbija – jug		
		Beogra-dski region	Region Voj-vodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
Total	5 691 551	1 427 135	1 485 259	1 561 084	1 218 073	...
Never married	1 765 403	493 303	471 237	442 643	358 220	...
Married	2 904 402	686 521	730 919	846 777	640 185	...
Widowed	661 418	143 704	178 578	187 929	151 207	...
Divorced	347 079	96 786	102 294	80 861	67 138	...
Unknown	13 249	6 821	2 231	2 874	1 323	...

Persons aged 15 and over who live in consensual community by age and sex, 2022 Census



Population by economic activity, 2022 Census

	Republic of Serbia					
	Total	Srbija – sever		Srbija – jug		
		Beogra-dski region	Region Voj-vodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
Total	6 647 003	1 681 405	1 740 230	1 819 318	1 406 050	...
<i>Economically active</i>	2 804 521	785 071	741 939	713 143	564 368	...
Perform occupation	2 401 690	713 556	648 788	589 315	450 031	...
Un-employed	402 831	71 515	93 151	123 828	114 337	...
<i>Economically inactive</i>	3 842 482	896 334	998 291	1 106 175	841 682	...
Pensioners	1 592 567	373 090	407 304	452 470	359 703	...
Children, pupils/ students	1 388 796	370 502	364 586	379 643	274 065	...
Persons doing house- work in their own holding only	459 344	63 264	127 023	151 645	117 412	...
Other	401 775	89 478	99 378	122 417	90 502	...



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
2018	63 975	101 655	311	-37 680	36 321	9 995
2019	64 399	101 458	308	-37 059	35 570	10 899
2020	61 692	116 850	309	-55 158	23 599	8 687
2021	62 180	136 622	293	-74 442	32 757	9 790
2022	62 700	109 203	250	-46 503	32 821	9 813

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
2018	9.2	14.6	-5.4	43.2	41.7	44.5	73.2	78.1
2019	9.3	14.6	-5.3	43.3	41.9	44.7	73.1	78.3
2020	8.9	16.9	-8.0	43.4	42.0	44.8	71.4	77.2
2021	9.1	20.0	-10.9	43.5	42.0	44.9	70.0	75.6
2022	9.4	16.4	-7.0	43.8	42.4	45.2	73.0	78.1



Main contingents and indicators of population, 2022

	Republic of Serbia		
	Total	Srbija – sever	Srbija – jug
Total population	6 664 449	3 428 249	3 236 200
Average age	43.8	43.2	44.5
Ageing index ¹⁾	149.7	139.7	160.6
Main population contingents			
Working age (15–64)			
Number	4 235 793	2 199 705	2 036 088
%	63.6	64.2	62.9
Adults (18+)			
Number	5 504 477	2 817 915	2 686 562
%	82.6	82.2	83.0
Pre-school (0–6)			
Number	442 523	238 706	203 817
%	6.7	7.0	6.3
Compulsory education (7–14)			
Number	516 869	272 332	244 537
%	7.8	8.0	7.6
Fertile age (15–49)			
Number	1 410 619	757 142	653 477
%	21.2	22.1	20.2
Life expectancy at birth			
Male	73.0	73.1	73.0
Female	78.1	78.2	78.1

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



Gross domestic product (GDP) ¹⁾

Republic of Serbia

	2020	2021	2022	2023 ²⁾
GDP, at current prices – total RSD million	5 504 430.6	6 271 987.6	7 097 629.2	8 150 486.5
GDP, at current prices – per capita, RSD	797 845	917 719	1 064 999	1 230 813
Mid-year population, thousand	6 899.1	6 834.3	6 664.4	6 622.0
GDP - total, USD million	53 427.0	63 039.8	63 450.6	75 179.1
GDP – per capita, USD	7 744	9 224	9 521	11 353
Average exchange rate, USD	103.0272	99.4925	111.8607	108.4143
GDP - total, EUR million	46 815.3	53 345.3	60 426.5	69 513.0
GDP – per capita, EUR	6 786	7 806	9 067	10 497
Average exchange rate, EUR	117.5777	117.5733	117.4588	117.2513
Real growth rate (%)	-0.9	7.7	2.5	2.5
GNI, at current prices - total, RSD million	5 335 129.0	6 028 298.8	6 746 257.7	...
GNI - total, USD million	51 783.7	60 590.48428	60 309.5	...
GNI - total, EUR million	45 375.3	51 272.68484	57 435.1	...

¹⁾ 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).

²⁾ GDP estimation - as a sum of four quarters, population number - average of four quarters.



Gross domestic product use ¹⁾

Republic of Serbia

	2020	2021	2022	2023 ²⁾
	RSD mill.			
Gross domestic product	5 504 431	6 271 988	7 097 629	8 150 487
Final consumption expenditure	4 628 844	5 194 546	5 994 480	6 775 517
Individual consumption expenditure – total	4 212 541	4 765 003	5 512 129	...
Individual consumption expenditure – household sector	3 605 824	4 071 291	4 760 757	5 384 577
Individual consumption expenditure – NPISHs ³⁾ sector	60 795	67 035	84 996	98 420
Individual consumption expenditure – general govt. sector	545 922	626 678	666 376	1 292 520 ⁴⁾
Collective consumption expenditure	416 303	429 543	482 351	...
Gross fixed capital formation	1 180 126	1 459 358	1 714 450	1 850 404
Changes in inventories	151 273	119 442	167 299	-108 338
Statistical discrepancy	-	-	-	-
Acquisitions less disposals of valuables	6	11	11	9
Exports of goods and services	2 654 183	3 442 671	4 531 151	4 880 784
Imports of goods and services	3 110 002	3 944 041	5 309 763	5 247 889
	Share, %			
Gross domestic product	100.0	100.0	100.0	100.0
Final consumption expenditure	84.1	82.8	84.5	83.1
Individual consumption expenditure - total	76.5	76.0	77.7	...
Individual consumption expenditure – household sector	65.5	64.9	67.1	66.1
Individual consumption expenditure – NPISHs ³⁾ sector	1.1	1.1	1.2	1.2
Individual consumption expenditure – general govt. sector	9.9	10.0	9.4	15.9 ⁴⁾
Collective consumption expenditure	7.6	6.8	6.8	...
Gross fixed capital formation	21.4	23.3	24.2	22.7
Changes in inventories	2.7	1.9	2.4	-1.3
Statistical discrepancy	-	-	-	-
Acquisitions less disposals of valuables	0.0	0.0	0.0	0.0
Exports of goods and services	48.2	54.9	63.8	59.9
Imports of goods and services	56.5	62.9	74.8	64.4

¹⁾ 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).

²⁾ GDP estimation - as a sum of four quarters, population number - average of four quarters.

³⁾ Non-profit institutions serving households.

⁴⁾ Collective consumption expenditure included.



Population by activity, 2022

	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
Population aged 15+ (thousand)						
Population aged 15+	5 795.5	1 429.7	1 555.6	1 595	1 215.2	...
Active population ¹⁾	3 215.6	840.4	853.9	895.5	625.9	...
Employed persons ¹⁾	2 913.5	774.5	783.5	802.6	552.8	...
Formal employment	2 516.7	706.4	687.7	658.6	464	...
Informal employment	396.8	68.1	95.8	144.1	88.8	...
Unemployed persons ²⁾	302.2	65.9	70.3	92.9	73.1	...
Population out of labour force ³⁾	2 579.8	589.3	701.8	699.5	589.3	...
Population aged 15+ (%)						
Rate of activity	55.5	58.8	54.9	56.1	51.5	...
Rate of employment	50.3	54.2	50.4	50.3	45.5	...
Formal employment rate	86.4	91.2	87.8	82.1	83.9	...
Informal employment rate	13.6	8.8	12.2	17.9	16.1	...
Unemployment rate	9.4	7.8	8.2	10.4	11.7	...
Rate of population out of labour force	44.5	41.2	45.1	43.9	48.5	...

¹⁾ The contingent of active population and employed includes persons aged 15 – 89.

²⁾ The contingent of unemployed includes persons aged 15 – 74.

³⁾ The contingent of population out of labour force includes persons aged 15+.



Population by activity, 2022

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

Young population (15–24) (%)

Rate of activity	32.6	32.3	34.8	32.3	30.7	...
Rate of employment	24.7	25.3	27.5	24	21.5	...
Rate of unemployment	24.4	21.7	21.1	25.9	29.9	...
Rate of population out of labour force	67.4	67.7	65.2	67.7	69.3	...

Source: Labour Force Survey.



Registered employment, 2019–2023

Republic of Serbia

Annual average

	2019	2020	2021	2022	2023	
Employed persons, total						
(Employees at legal entities, persons individually running business, unincorporated enterprises and their employees)						
	2 101 267	2 149 099	2 212 631	2 253 473	2 306 955	
A	Agriculture, forestry and fishing	30 875	30 345	29 801	28 120	27 552
B	Mining and quarrying	25 989	28 969	27 286	29 124	30 275
C	Manufacturing	459 647	476 040	493 413	495 994	501 927
D	Electricity, gas, steam and air conditioning supply	26 015	24 643	25 305	24 272	24 684
E	Water supply, sewerage, waste management and remediation activities	35 602	35 518	35 261	36 171	36 236
F	Construction	105 671	115 291	120 811	122 911	125 331
G	Wholesale and retail trade and repair of motor vehicles and motorcycles	342 569	348 027	359 505	360 206	361 434
H	Transportation and storage	119 006	122 868	124 962	125 725	129 442
I	Accommodation and food service activities	82 459	85 840	86 738	88 612	93 234
J	Information and communication	67 481	73 882	82 739	94 490	107 522
K	Financial and insurance activities	43 849	43 736	42 889	42 297	43 680
L	Real estate activities	6 747	7 249	7 810	8 210	8 898
M	Professional, scientific and technical activities	108 935	108 902	115 508	122 711	135 300
N	Administrative and support service activities	106 631	101 644	105 944	111 881	110 140
O	Public administration and defence; compulsory social security	157 403	157 733	156 711	159 189	158 407
P	Education	146 247	151 217	155 268	156 796	157 242
Q	Human health and social work activities	156 920	155 240	159 353	162 305	167 427
R	Arts, entertainment and recreation	36 595	37 892	39 001	40 455	43 092
S	Other service activities	42 626	44 063	43 965	44 004	45 133
Registered individual farmers		71 868	66 376	60 960	56 562	53 633

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



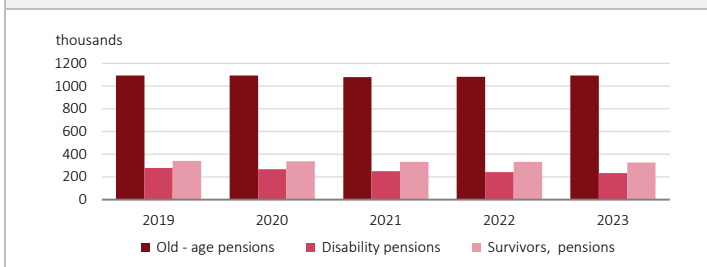
Pension beneficiaries, 2019–2023

State as of 31 December

	2019	2020	2021	2022	2023
Pension and disability insurance beneficiaries, all categories	1 708 293	1 692 282	1 660 460	1 651 890	1 651 315
Old-age pension	1 092 000	1 090 631	1 078 359	1 081 779	1 091 716
Disability pension	276 286	265 901	250 074	240 064	233 030
Survivors' pension	340 007	335 750	332 027	330 047	326 569
Beneficiaries pursuant to pension and disability insurance of employed, total	1 439 962	1 429 022	1 405 814	1 401 675	1 403 413
Old-age pension	892 470	895 225	890 078	897 045	908 650
Disability	245 225	235 545	221 103	211 905	205 316
Survivors' pension	302 267	298 252	294 633	292 725	289 447
Beneficiaries pursuant to pension and disability insurance of agricultural workers, total	170 582	162 183	150 601	142 252	135 837
Old-age pension	137 306	129 944	119 816	112 451	106 880
Disability	13 231	12 847	12 118	11 700	11 391
Survivors' pension	20 045	19 392	18 667	18 101	17 566
Beneficiaries pursuant to pension and disability insurance of individual entrepreneurs, total	97 749	101 077	104 045	107 963	112 065
Old-age pension	62 224	65 462	68 465	72 283	76 186
Disability	17 830	17 509	16 853	16 459	16 323
Survivors' pension	17 695	18 106	18 727	19 221	19 556

Source: Pension and Disability Insurance Fund.

Pension beneficiaries – total, 2019–2023, as of 31/12



Average pensions, 2019–2023

Republic of Serbia (annual average)

RSD

	2019	2020	2021	2022	2023
Pension and disability insurance beneficiaries, all categories	26 343	27 759	29 377	31 432	38 320
Old-age pension	28 390	29 879	31 602	33 787	41 159
Disability pension	24 843	26 065	27 477	29 264	35 479
Survivors' pension	21 069	22 257	23 634	25 368	30 972
Beneficiaries pursuant to pension and disability insurance of employed, total	28 202	29 656	31 307	33 410	40 651
Old-age pension	31 067	32 564	34 284	36 483	44 282
Disability	25 538	26 812	28 282	30 135	36 551
Survivors' pension	22 031	23 262	24 686	26 484	32 325
Beneficiaries pursuant to pension and disability insurance of agricultural workers, total	11 254	11 886	12 616	13 535	16 541
Old-age pension	11 624	12 280	13 043	14 006	17 126
Disability	12 005	12 653	13 417	14 396	17 560
Survivors' pension	8 214	8 706	9 295	10 014	12 289
Beneficiaries pursuant to pension and disability insurance of individual entrepreneurs, total	25 796	26 926	28 206	29 866	36 073
Old-age pension	27 352	27 993	29 079	30 364	32 051
Disability	24 408	24 770	25 804	27 019	28 575
Survivors' pension	19 028	19 318	20 319	21 486	22 929

Source: Pension and Disability Insurance Fund.

In the publications released previously, presented are the data as of 31 December.



Unemployed persons registered with the NES, by qualification attainment, 2023

Status as of 31 December

	Total	Females
Total	387 764	217 473
I level	126 733	69 894
II level	10 996	5 837
III level	78 462	36 044
IV level	117 070	70 262
V level	1 997	608
VI-1 sublevel	9 123	5 935
VI-2 sublevel	9 758	6 638
VII-1 sublevel	32 878	21 788
VII-2 sublevel	615	396
VIII level	132	71

Source: National Employment Service.

Average salaries and wages per employee, by sex and age groups, year 2023

Republic of Serbia

Age groups	Salaries and wages, gross, RSD			Salaries and wages, net, RSD		
	Total	Men	Women	Total	Men	Women
Total	118 599	127 042	109 158	86 007	92 275	78 991
15-19	76 001	77 978	71 985	55 331	56 753	52 444
20-24	92 643	96 169	87 259	67 210	69 742	63 341
25-29	120 820	127 466	112 430	87 433	92 369	81 203
30-34	128 885	139 550	115 493	93 475	101 414	83 506
35-39	127 293	141 026	111 978	92 433	102 639	81 052
40-44	125 182	137 441	112 891	90 910	100 023	81 774
45-49	120 412	131 113	110 044	87 398	95 323	79 719
50-54	113 874	122 128	105 704	82 544	88 611	76 538
55-59	107 945	112 527	103 388	78 123	81 529	74 736
60-64	111 347	111 692	110 942	80 507	80 879	80 069
65+	112 923	113 222	112 143	82 155	82 558	81 102
Unknown	128 065	0	0	93 623	0	0

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



Chain indices of nominal and real net average salaries and wages, 2016–2023

Previous year = 100

	Chain indices of nominal net average salaries and wages	Chain indices of real net average salaries and wages ¹⁾
2016	103.7	102.5
2017	103.9	100.9
2018	106.5	104.4
2019	110.6	108.5
2020	109.4	107.7
2021	109.6	105.4
2022	113.8	101.7
2023	114.8	102.4

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

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



Average salaries and wages, indices of nominal and real average s & w by activities, 2022 and 2023

RSD

	Average gross s&w		Indices of average gross s&w (previous year = 100)			
			Nominal		Real	
	2022	2023	2022	2023	2022	2023
Total	103 316	118 599	113.8	114.8	101.7	102.4
Agriculture, forestry and fishing	85 127	96 159	110.4	113.0	98.7	100.8
Mining and quarrying	144 269	163 050	106.5	113.0	95.2	100.8
Manufacturing	88 994	102 638	112.9	115.3	100.9	102.9
Electricity, gas, steam and air conditioning supply	140 673	153 451	103.4	109.1	92.4	97.3
Water supply, sewerage, waste management and remediation activities	89 539	101 760	109.8	113.6	98.1	101.3
Construction	88 666	101 377	112.4	114.3	100.4	102.0
Wholesale and retail trade and repair of motor vehicles and motorcycles	85 727	99 252	114.5	115.8	102.3	103.3
Transportation and storage	86 468	99 972	113.3	115.6	101.3	103.1
Accommodation and food service activities	63 152	70 973	115.8	112.4	103.5	100.3
Information and communication	253 745	282 329	129.9	111.3	116.1	99.3
Financial and insurance Activities	159 209	176 500	107.0	110.9	95.6	98.9
Real estate activities	96 640	110 833	111.4	114.7	99.6	102.3
Professional, scientific and technical activities	138 547	155 983	118.8	112.6	106.2	100.4
Administrative and support Service activities	93 681	106 935	112.9	114.1	100.9	101.8
Public administration and defence; compulsory social security	113 443	130 878	108.7	115.4	97.1	102.9
Education	94 521	107 775	107.4	114.0	96.0	101.7
Human health and social work activities	108 018	119 848	106.0	111.0	94.7	99.0
Arts, entertainment and recreation	84 421	97 403	114.4	115.4	102.2	102.9
Other service activities	74 476	83 716	111.4	112.4	99.6	100.3

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 (%)

	2019	2020 ¹⁾	2021	2022
Monthly average				
Number of households surveyed	6 354	...	6 108	5 927
Number of households assessed	2 466 316	...	2 466 316	2 466 316
Members, average number	2.68	...	2.69	2.67
Income in money and in kind – total	100.0	...	100.0	100.0
Household income in money	96.6	...	96.7	96.9
Regular salaries and wages	49.3	...	49.1	49.9
Other income	2.8	...	2.7	2.6
Pensions (old-age, family, and other)	32.3	...	32.6	32.1
Social insurance-based receipts	2.7	...	2.6	2.5
Income from agriculture, hunting and fishing	4.4	...	4.5	4.3
External receipts	1.1	...	1.1	1.0
Real estate related income	0.6	...	0.6	0.6
Donations and awards	0.7	...	0.7	0.7
Other receipts	2.7	...	2.8	3.2
Household receipts in kind	3.4	...	3.3	3.1
Earned receipts in kind	0.1	...	0.1	0.1
Natural consumption	3.3	...	3.2	3.0
Individual consumption – total	100.0	...	100.0	100.0
Food and non-alcoholic beverages	34.2	...	34.3	36.0
Alcoholic beverages and tobacco	4.8	...	4.8	4.7
Clothing and footwear	5.3	...	5.2	4.9
Housing, water, electricity, gas and other fuels	16.7	...	16.4	16.1
Furnishings, household, equipment and routine household maintenance	4.2	...	4.2	4.0
Health	4.5	...	4.6	4.4
Transport	9.3	...	9.1	8.9
Communications	5.3	...	5.6	5.5
Recreation and culture	5.1	...	5.2	5.1
Education	1.4	...	1.4	1.3
Restaurants and hotels	3.2	...	3.2	3.2
Miscellaneous goods and services	6.0	...	6.0	5.9

¹⁾ Due to COVID-19 pandemic, in mid-March 2020 SORS discontinued the implementation of the Household Budget Survey in field. Early in July the field operations concerning this survey were resumed. However, since the survey was not continual over the whole year, SORS cannot provide available the data for the year 2020.



Price indices

Republic of Serbia

Previous year = 100

	Consumer prices (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
2020	101.6	98.2	104.7	101.4
2021	104.0	109.0	120.8	103.1
2022	111.9	116.4	125.7	112.0
2023	112.1	103.4	92.3	114.2

* Corrected data.



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
2020	199.7	200.9	200.7	200.8	200.3	201.5	201.9	201.7	200.7	200.9	201.0	201.1
2021	202.0	203.3	204.3	206.4	207.5	208.1	208.6	210.4	212.1	214.1	216.0	216.9
2022	218.7	221.1	222.9	226.3	229.1	232.8	235.2	238.1	241.7	246.2	248.6	249.7
2023	253.2	256.7	258.9	260.6	262.9	264.8	264.7	265.6	266.4	267.1	268.4	268.8



Chain indices of agricultural production, 2020–2022

Previous year = 100

Part I

	Agriculture, Total ¹⁾	Crop production			
		All	Crop farming	Fruit growing	Viticulture
2020	102.0	104.6	104.4	106.0	98.0
2021	94.4	89.9	89.8	89.6	97.1
2022	91.9	88.7	83.3	109.3	104.3

¹⁾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, 2020–2022

Previous year = 100

Part II

	Livestock breeding				
	All	Cattle breeding ¹⁾	Pig breeding	Sheep breeding ²⁾	Poultry Breeding ³⁾
2020	99.7	98.9	100.8	100.3	99.9
2021	98.6	98.7	96.2	101.3	101.3
2022	98.7	95.9	97.2	101.7	98.9

¹⁾ Increase of cattle and cow's milk production.

²⁾ Increase of sheep, wool and sheep milk production.

³⁾ Increase of poultry and eggs production.

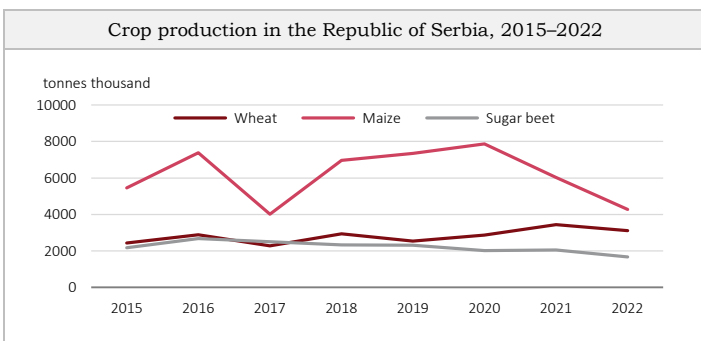


Crop production

Republic of Serbia

	2018	2019	2020	2021	2022
Production, tonnes, thousand					
Wheat	2 942	2 535	2 874	3 442	3 110
Rye	13	13	15	19	18
Maize	6 965	7 345	7 873	6 027	4 283
Sunflower	734	729	637	608	643
Tobacco	7	8	9	10	7
Sugar beet	2 325	2 305	2 018	2 048	1 667
Potatoes	488	702	665	614	524
Plums ¹⁾	430	559	583	413	489
Apples ¹⁾	460	500	489	513	486
Grapes	149	164	160	156	162
Yield per ha, t					
Wheat	4.6	4.4	4.9	5.7	4.9
Rye	2.8	2.6	3.2	3.8	3.2
Maize	7.7	7.6	7.9	5.9	4.5
Sunflower	3.1	3.3	2.9	2.9	2.6
Tobacco	1.2	1.1	1.3	1.7	1.3
Sugar beet	48.3	54.2	53.9	52.0	48.0
Potatoes	17.3	20.6	22.4	23.3	21.1
Plums ¹⁾	6.0	7.7	8.0	5.7	6.8
Apples ¹⁾	17.8	19.1	18.6	19.0	17.8
Grapes	7.4	8.0	8.1	7.7	8.1

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



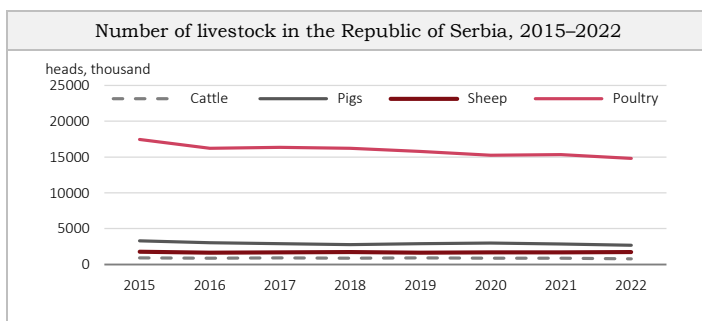
Number of livestock

Republic of Serbia

Heads, thousand

	2018	2019	2020	2021	2022
Cattle	878	898	886	860	800
Pigs	2 782	2 903	2 983	2 868	2 667
Sheep	1 712	1 642	1 685	1 695	1 721
Poultry	16 232	15 780	15 249	15 348	14 817

State as of 1 December.



Meat and milk production

Republic of Serbia

	2018	2019	2020	2021	2022
Meat, t thousand					
Beef	76	71	75	77	79
Pork	303	298	299	307	299
Mutton	32	34	31	31	31
Poultry	106	114	115	111	116
Milk ¹⁾, litres million					
Total	1 475	1 478	1 466	1 451	1 402

¹⁾ Cow's and sheep milk for human consumption and processing.

Forest area

Republic of Serbia

ha

	Total	State ownership	Private ownership
2020	2 261 386	976 302	1 285 084
Beogradski region	62 038	15 206	46 832
Region Vojvodine	138 583	126 149	12 434
Region Šumadije i Zapadne Srbije	988 494	405 580	582 914
Region Južne i Istočne Srbije	1 072 271	429 367	642 904
Region Kosovo i Metohija	...	...	...

Felled timber

Republic of Serbia

m³ thousand

	Gross wood-stock, total	By ownership		By species	
		State	Private	Broad-leaved	Conifers
2018	3 269	2 347	922	2 846	423
2019	3 371	2 503	868	2 936	435
2020	3 180	2 474	706	2 763	417
2021	3 355	2 595	760	2 951	404
2022	3 739	2 826	913	3 315	424
Beogradski region	92	88	4	91	1
Region Vojvodine	832	798	34	830	2
Region Šumadije i Zapadne Srbije	1 357	911	446	1 022	335
Region Južne i Istočne Srbije	1 458	1 029	429	1 372	86
Region Kosovo i Metohija	...	...	...	...	...

Damage to forests, 2018–2022

Republic of Serbia

	2018	2019	2020	2021	2022
Illicit felling, m ³	22 833	26 678	24 522	19 205	21 180
Other damages, caused by man ¹⁾ , m ³	1 852	700	1 201	116	94
By pests, m ³	16 506	11 765	11 886	10 288	12 604
By inclement weather, m ³	74 495	58 028	75 396	119 917	91 849
By plant diseases, m ³	16 798	13 876	26 477	44 888	19 706
By fire ²⁾					
ha	303	1 079	196	834	423
m ³	707	3 397	5 147	10 099	9 957

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

²⁾ Covered is damage by fire in private forests.



Primary energy production, 2021

	TJ	%
REPUBLIC OF SERBIA	427 214	100.00
Coal	263 034	61.58
Hydro Energy	40 624	9.51
Solar photovoltaic	49	0.01
Wind Energy	3 904	0.91
Crude oil and natural gas liquid	36 967	8.65
Firewood, wood chips and residue ¹⁾	66 938	15.67
Natural gas	13 414	3.14
Geothermal energy	63	0.01
Biogas	2 221	0.52

¹⁾ The final consumption of biomass data are taken over from the Ministry of Mining and Energy.

Transformation output, 2021

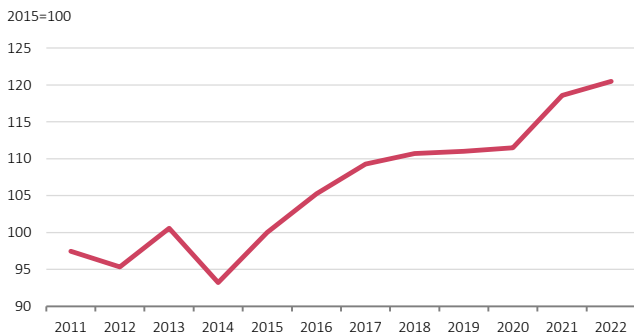
	TJ	%
REPUBLIC OF SERBIA	327 790	100.00
Refined petroleum products	188 286	57.44
Thermal-electricity	90 552	27.63
Heat	37 537	11.45
Coal transformation	5 307	1.62
Charcoal, wood pellets and briquettes	6 108	1.86

Energy available for final consumption, 2021

	TJ	%
REPUBLIC OF SERBIA	423 078	100.00
Oil Derivates	147 505	34.86
Electricity	105 118	24.85
Natural gas	55 743	13.18
Coal and coal products	13 298	3.14
Heat	32 514	7.69
Wood fuels ¹⁾	68 003	16.07
Geothermal energy	63	0.01
Biogas	834	0.20

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

Industrial production in Republic of Serbia, 2011–2022



Base indices of industrial production by MIGS and sections, 2018–2022

2015 = 100

	2018	2019	2020	2021	2022
Industry total	110.7	111.0	111.5	118.6	120.5
Energy	101.2	99.5	101.7	103.3	101.6
Intermediate goods, excluded energy	126.2	129.7	129.0	146.0	151.3
Capital goods	111.0	116.9	112.9	125.4	137.4
Durable consumer goods	110.0	108.2	115.0	111.5	105.1
Non-durable consumer goods	105.9	104.1	104.5	108.2	109.1
Mining and quarrying	100.4	101.6	104.3	133.1	163.1
Manufacturing	114.9	115.1	115.2	121.6	123.4
Electricity, gas, steam and air conditioning supply	97.5	98.0	99.0	99.7	92.6



Indices of industrial production by activities, 2018–2022

Previous year = 100

	2018	2019	2020	2021	2022
Industry total	101.3	100.3	100.4	106.3	101.7
Energy	101.2	98.3	102.2	101.6	98.3
Intermediate goods, excluded energy	103.6	102.7	99.4	113.2	103.7
Capital goods	102.0	105.3	96.6	111.0	109.6
Durable consumer goods	101.8	98.3	106.4	97.0	94.2
Non-durable consumer goods	98.7	98.3	100.4	103.4	100.9
Mining and quarrying	95.2	101.2	102.7	127.6	122.6
Mining of coal and lignite	93.2	102.9	100.7	92.0	93.8
Extraction of crude petroleum and natural gas	96.6	96.2	96.4	95.3	97.2
Mining of metal ores	98.8	96.5	117.0	249.4	172.7
Other mining and quarrying	99.3	109.2	90.7	118.2	105.9
Manufacturing	101.9	100.2	100.1	105.6	101.4
Manufacture of food products	97.9	95.8	102.7	100.5	100.1
Manufacture of beverages	102.5	97.1	95.0	109.6	103.4
Manufacture of tobacco products	92.9	94.3	104.7	102.2	107.3
Manufacture of textile	93.5	99.4	97.0	95.9	95.4
Manufacture of wearing apparel	103.0	96.6	95.2	98.2	98.6
Manufacture of leather and related products	105.9	99.2	80.7	112.2	102.0
Manufacture of wood and of products of wood and cork, except furniture	101.2	83.4	100.1	109.5	88.7
Manufacture of paper and paper products	103.9	108.5	99.4	101.6	104.7
Printing and reproduction of recorded media	101.3	95.4	93.5	98.2	90.0
Manufacture of coke and refined petroleum products	107.2	90.4	107.2	110.7	113.3
Manufacture of chemicals and chemical products	101.1	93.7	105.9	101.8	93.9
Manufacture of basic pharmaceutical products and pharmaceutical preparations	100.1	111.2	102.3	105.3	103.5
Manufacture of rubber and plastic products	101.4	103.9	96.6	104.9	95.8
Manufacture of other non-metallic mineral products	107.7	102.6	98.9	109.1	99.9
Manufacture of basic metals	110.6	105.7	82.4	109.1	82.2
Manufacture of fabricated metal products, except machinery and equipment	101.8	109.5	106.9	103.6	101.7
Manufacture of computer, electronic and optical products	83.7	108.7	111.7	101.9	130.0
Manufacture of electrical equipment	96.2	100.0	112.5	117.9	102.0
Manufacture of machinery and equipment n.e.c	108.4	103.3	93.9	112.7	111.4
Manufacture of motor vehicles, trailers and semi-trailers	95.9	99.0	77.9	107.7	100.5
Manufacture of other transport equipment	111.8	134.9	98.3	244.0	126.5
Manufacture of furniture	106.3	105.2	106.8	86.2	96.5
Other manufacturing	119.3	115.2	104.1	100.5	103.0
Repair and installation of machinery and equipment	120.7	108.2	95.4	98.8	102.9
Electricity, gas, steam and air conditioning supply	101.2	100.5	101.0	100.7	92.9
Electricity, gas, steam and air conditioning supply	101.2	100.5	101.0	100.7	92.9



Indices of construction

Republic of Serbia

Previous year = 100

	2017	2018	2019	2020	2021	2022
Value of construction works done, current prices	111.4	118.1	136.8	95.7	128.7	105.8
Value of construction works done, constant prices	106.7	114.8	135.3	97.3	118.4	89.9

Construction works completed

Republic of Serbia

RSD thousand

	2019	2020	2021	2022
Total	471 639 883	451 551 506	581 188 278	614 711 035
Buildings	196 245 483	203 032 911	258 132 062	271 146 488
Residential buildings	71 348 084	79 015 915	100 421 141	104 606 705
Non-residential buildings	124 897 399	124 016 996	157 710 921	166 539 783
Civil engineering works	275 002 582	248 264 571	322 723 229	343 168 114
Transport infrastructures	154 962 170	138 579 520	208 651 042	229 039 853
Pipelines, communication and electric power lines	100 727 177	81 604 552	84 666 021	73 023 203
Complex industrial structures	15 837 138	19 649 141	20 471 146	30 960 565
Other civil engineering works	3 476 097	8 431 358	8 935 020	10 144 493



New constructions, completed

Republic of Serbia

	Unit of measure	2012–2022	2022
Buildings	thous. m ²	36 871	5 445
Residential	thous. m ²	20 375	3 126
One-dwelling buildings	thous. m ²	3 544	559
Two- and more dwelling buildings	thous. m ²	16 674	2 549
Collective buildings	thous. m ²	157	18
Non-residential	thous. m ²	16 495	2 319
Hotels and similar buildings	thous. m ²	1 001	221
Business buildings	thous. m ²	1 898	305
Wholesale and retail trade store buildings	thous. m ²	2 687	248
Traffic and communication buildings	thous. m ²	354	68
Industry buildings and warehouses	thous. m ²	7 525	1 117
Culture, public entertainment, education, hospitals and other health care institution buildings	thous. m ²	1 106	107
Other non-residential buildings	thous. m ²	1 924	253
Civil engineering works			
Highways, roads and streets	km	4 070	221
Railways	km route	159	115
Gas pipelines	km	3 847	776
Water pipelines	km	1 418	151
Hot water pipelines	km	227	9
Sewerage system	km	1 384	96

Constructed dwellings

Republic of Serbia

	Dwellings completed		Dwellings not completed	Constructed dwellings per 1000 inhabitants
	Number	Area, m ²		
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
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
2019	24 803	1 961 112	27 866	3.6
2020	25 326	1 857 690	37 924	3.7
2021	28 874	2 161 492	41 833	4.2
2022	29 659	2 143 751	52 061	4.5



Housing stock, by censuses ¹⁾²⁾

Republic of Serbia

	Number of dwellings, thousand	Floor space, thousand m ²	Average floor space, m ²	Average floor space per capita, m ²	Average number of occupants per dwelling
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
30.09.2022	3 260	247 488	75.9	37.6	2.0

¹⁾ The census data for the years 1971 and 1981 relate to the entire territory of the Republic of Serbia, while the censuses of 1991, 2002 and 2011 and 2022 do not provide the data for the AP Kosovo and Metohija, 1991 Census was boycotted by the majority of the Albanian population, while in 2002, 2011 and 2022 no (adequate) conditions were ensured on the territory of the southern Serbian province for the implementation of the census.

²⁾ Housing stock covers occupied, temporary occupied and abandoned/unoccupied dwellings; however not included are those dwellings that are casually intended for leisure time and recreation, or for seasonal agricultural work; also excluded are dwellings that are used exclusively for business purpose, i.e. activities.

Construction works abroad ¹⁾

RSD thousand

	2019	2020	2021	2022
Value of contracted works	25 354 756	39 783 168	33 339 372	22 119 703
Value of works done	19 452 665	22 260 717	23 236 129	19 950 063
Europe	13 851 150	19 635 213	19 601 744	16 960 764
Asia	3 113 880	474 828	649 842	155 319
Africa	1 753 529	1 674 208	2 725 867	2 833 980
South America	734 106	476 468	258 676	-

¹⁾ Value of works converted by USD exchange rate. (2019 = 103,3893 RSD; 2020 = 104,9186 RSD; 2021 = 95,6637 RSD; 2022 = 103,9262).



External trade balance

Republic of Serbia

USD million

	2019	2020	2021	2022	2023
Exports	19 764	19 595	25 843	29 060	30 935
Imports	26 939	26 371	34 187	41 155	39 838
Deficit	-7 174	-6 776	-8 344	-12 095	-8 903
Exports-imports ratio (%)	73.4	74.3	75.6	70.6	77.7

Top ten external trade partners of Serbia, 2023

Country	Exports		Country	Imports	
	USD million	%		USD million	%
Total	30 935	100	Total	39 838	100
Germany	4 663	15.1	Germany	5 214	13.1
Bosnia and Herzegovina	2 127	6.9	China	4 868	12.2
Italy	1 914	6.2	Italy	2 901	7.3
Hungary	1 687	5.5	Turkey	1 871	4.7
Romania	1 561	5.0	Russian Federation	1 725	4.3
Montenegro	1 324	4.3	Hungary	1 659	4.2
China	1 238	4.0	Poland	1 275	3.2
Russian Federation	1 195	3.9	Romania	1 178	3.0
Czechia	1 172	3.8	France	1 135	2.8
Croatia	1 121	3.6	Bosnia and Herzegovina	1 108	2.8

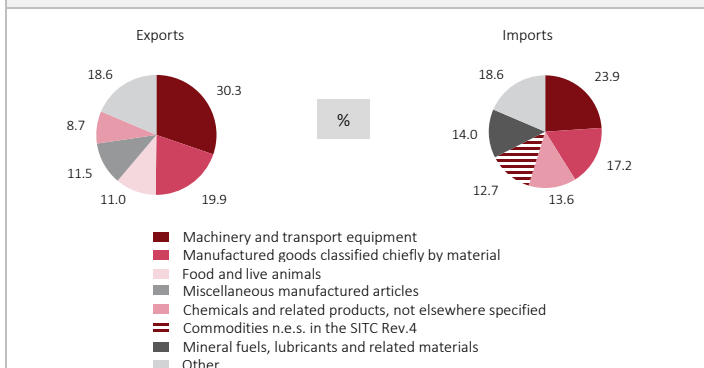


Exports and imports of the Republic of Serbia by SITC

USD million

	Exports			Imports		
	2021	2022	2023	2021	2022	2023
Total	25 843	29 060	30 935	34 187	41 155	39 838
Food and live animals	3 614	3 577	3 397	2 107	2 464	2 764
Beverages and tobacco	789	888	1 100	420	495	505
Crude materials, inedible, except fuels	1 674	2 521	2 136	1 282	1 203	1 174
Mineral fuels, lubricants and related materials	1 021	1 580	1 880	3 452	7 276	5 558
Animal and vegetable oils, fats and waxes	307	316	292	98	122	116
Chemicals and related products, n.e.c.	2 638	2 937	2 698	5 166	5 987	5 438
Manufactured goods classified by material	5 721	6 156	6 159	6 469	7 198	6 844
Machinery and transport equipment	6 826	7 700	9 361	8 620	9 113	9 533
Miscellaneous manufactured articles	2 909	3 178	3 568	2 700	2 710	2 839
Commodities n.e.c. in the SITC Rev. 4	345	206	344	3 872	4 588	5 067

Top five sections by share in exports and imports, 2023

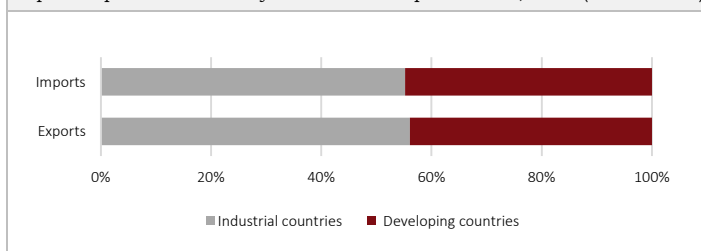


Exports and imports – structure

Republic of Serbia

	Exports		Imports	
	2022	2023	2022	2023
By BEC destination				
Total	100.0	100.0	100.0	100.0
Means of labour	10.5	12.4	12.3	12.1
Reproduction	64.1	61.7	59.4	55.7
Consumables	25.4	25.8	17.7	19.8
Unclassified by BEC	0.0	0.0	10.6	12.4
By national economic development				
Total	100.0	100.0	100.0	100.0
Industrial countries	57.4	56.1	52.4	55.2
EU	91.2	91.1	89.9	89.6
EFTA	1.6	1.7	3.2	4.3
Other developed countries	7.2	7.2	6.9	6.1
Developing countries	42.6	43.9	47.6	44.8
By type of organization				
Total	100.0	100.0	100.0	100.0
Limited liabilities company	87.6	87.6	77.2	80.3
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	0.2	0.3	4.5	3.6
Unincorporated enterprises, sole proprietorships	0.9	0.9	0.9	0.8
Partnerships	0.0	0.0	0.0	0.0
Other organization forms	11.3	11.2	17.4	15.3

Export-imports structure by national development level, 2023 (USD million)



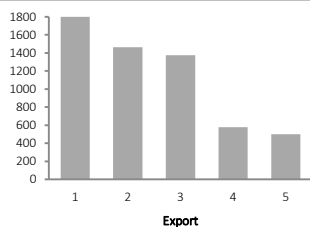
Top ten external trade items, by NFTS, 2023

Republic of Serbia

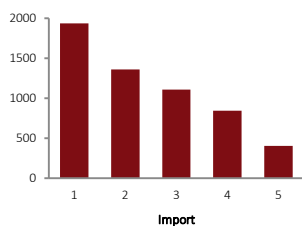
Product	Exports		Product	Imports	
	USD million	% of total share		USD million	% of total share
Total	30 935	100	Total	39 838	100
Ignition wiring sets of a kind used in vehicles, aircraft or ships	1 798	5.8	Petroleum oils and oils obtained from bituminous minerals, crude	1 937	4.9
Copper ores and concentrates	1 464	4.7	Natural gas, in the gaseous state	1 362	3.4
Electric current	1 374	4.4	Medicaments, n.e.c., put up for retail sale	1 169	2.9
Other parts and accessories of the motor vehicles	586	1.9	Electric current	843	2.1
Tyres, new pneumatic, used on motor cars	578	1.9	Other electric conductors, for a voltage not exceeding 1000 V	416	1.0
Refined copper	506	1.6	Motor cars, diesel or semi-diesel, of a cylinder capacity exceeding 1500 cm ³ but not 2500 cm ³	415	1.0
Surface-active washing or cleaning preparations, n.e.c., put up for retail sale	418	1.4	Lignite, not agglomerated	405	1.0
Parts, n.e.c., suitable for use solely with the machines falling within group 716	386	1.2	Telephones for cellular networks or for other wireless networks	355	0.9
Electric motors of an output not exceeding 37,5 W	364	1.2	Gas oils	342	0.9
Medicaments, n.e.c., put up for retail sale	360	1.2	Parts, n.e.c., suitable for use solely with the machines falling within group 716	342	0.9



Top five products in ET, by CT, 2023 (USD million)



1. Ignition wiring sets and other wiring sets for vehicles
2. Copper ores and concentrates
3. Electric current
4. New pneumatic tyres, of rubber, new, for motor cars
5. Copper, refined, in the form of cathodes & sections of cathodes



1. Petroleum oils and oils from bituminous minerals, crude
2. Other medicaments, put up for retail sale
3. Natural gas in gaseous state
4. Electric current
5. Lignite, non agglomerated



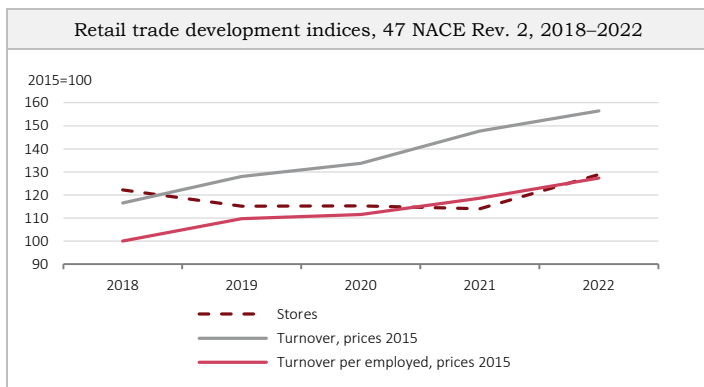
Stores and turnover in trade, 2018–2022

Republic of Serbia

	Retail trade, 47 NACE Rev. 2			Turnover, current prices, RSD million	
	Stores ¹⁾	Turnover ²⁾ , RSD mill.	Turnover per store, RSD thousand ²⁾	Wholesale trade, 46 NACE Rev. 2	Wholesale and retail trade of motor vehicles, 45 NACE Rev. 2
2018	76 767	1 479 275	19 270	2 660 420	312 939
2019	72 398	1 625 064	22 446	2 810 411	347 750
2020	72 436	1 697 837	23 439	2 674 028	327 224
2021	71 711	1 875 643	26 156	3 303 680	390 758
2022	81 000	1 986 479	24 524	3 863 289	477 600
Srbija – sever	42 404	1 184 032	27 923	3 289 250	367 850
Srbija – jug	38 596	802 447	20 791	574 039	109 750

¹⁾ The data taken from the Statistical business register, SBR

²⁾ 2015 prices.



Capacities and turnover in catering trade, 2018–2022

Republic of Serbia

	Number of accommodation facilities	Number of accommodation units	Number of beds	Turnover, total RSD million
2018	1 012	48 190	114 771	87 687
2019	1 105	50 110	121 289	97 553
2020	1 116	48 286	119 417	73 440
2021	1 017	46 522	112 720	114 307
2022 ¹	20 464	66 051	152 518	231 440
SRBIJA – SEVER	5 680	26 498	57 754	162 759
SRBIJA – JUG	14 784	39 553	94 764	68 681

Tourist arrivals and overnight stays, 2018–2022

Thousand

	Arrivals		Overnight stays		Average stay, days
	Total	Domestic	Total	Domestic	
2018	3 430	1 720	9 336	5 678	2.7
2019	3 690	1 843	10 073	6 063	2.7
2020	1 820	1 374	6 201	4 937	3.4
2021	2 591	1 720	8 162	5 733	3.2
2022 ¹	3 869	2 096	12 246	7 306	3.2
SRBIJA – SEVER	1 868	551	5 124	1 500	2.7
SRBIJA – JUG	2 001	1 545	7 122	5 806	3.6

¹ Starting from 2022, the data on tourist trade turnover (number of tourist arrivals and overnight stays) and accommodation capacities are published in accordance with statistical processing of data taken over from the administrative source – Catering and tourist trade central information system (eTourist).



Infrastructure and capacities

Republic of Serbia

	2018	2019	2020	2021	2022
Land Transport					
Railway transport					
Railway line construction length, km	3 724	3 763	3 354	3 369	3 382
Of which: electrified	1 272	1 272	1 290	1 290	1 304
Passenger coaches	457*	465*	464	210	377
Passenger seat, thousand	30	28	28	5	20
Freight vehicles	6 589	5 661	4 789	4 727	4 194
Carrying capacity, thousand t	295	258	248	243	226
Engine power, thousand kW	678	820	839	671	692
Road transport					
Roads, km of which:	44 749	44 768	44 908	45 722	45 963
Modern track	29 681	30 112	30 519	31 338	31 609
Crushed stone path	7 905	7 819	7 340	7 382	7 214
Beaten earthen path	7 163	6 837	7 049	7 002	7 025
Buses, number	2 585	2 545	3 553	3 201	3 155
Seats, thousand	125	123	166	150	149
Motor power, thousand kW	638	611	816	733	755
Freight cars and articulated vehicles, number	13 014	14 691	18 302	19 203	19 620
Freight capacity, thousand t	167	182	262	248	253
Motor power, thousand kW	1 954	2 249	2 848	3 039	3 095
City transport					
Passenger seats, thousand	411	416	378	384	385
Buses	354	359	322	331	332
Trolleybuses	14	14	13	12	13
Tram streetcars	43	43	43	41	40
Pipeline transport					
Oil pipeline length, km	280	280	280	280	280
Gas pipeline length, km	1 482	1 482	1 482	1 482	1 482
Waterway transport					
Inland waterway transport ¹⁾					
Navigable rivers and canals, km ²⁾	1 593	1 593	1 593	1 593	1 593
Freight vessel	118	107	110	307	299
Carrying capacity, thousand t	141	118	122	381	363
Pusher vessels and tugs	18	17	17	42	46
Power, thousand kW	22	21	22	78	89

¹⁾ Respective are business units being subject of statistical observations.

²⁾ For vessels of carrying capacity over 150 t.

* Corrected data.



Infrastructure and capacities (continued)

Republic of Serbia

	2018	2019	2020	2021	2022
Air transport					
Airport	2	2	2	3	3
Jets	20	20	20	20	14
Passenger seats	1 405	1 405	1 405	1 406	1 416
Net carrying capacity, t	497	370	207	207	30
Postal activities and telecommunications					
Post offices	1 553	1 587	1 637	1 552	1 590
Telephone subscribers, thousand	2 435	2 420	2 349	2 353	2 339
Mobile subscribers, number, thousand	8 431	8 454	8 261	8 502	9 731

Passengers and goods transport

Republic of Serbia

	2018	2019	2020	2021	2022
Transported passengers, thousand ¹⁾	63 408	63 013	43 517	48 651	58 162
Passenger km, mill. ¹⁾	8 301	8 148	4 458	5 759	8 271
Transported goods, thousand t ²⁾	32 371	34 758	27 739	40 831	37 292
Tonne kilometres, mill. ²⁾	11 266	12 771	11 042	14 916	13 988

¹⁾ City transport excluded.

²⁾ Air transport excluded.

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

Republic of Serbia

	2018	2019	2020	2021	2022
Mopeds	24 075	32 504	35 487	35 046	37 079
Motorcycles	38 315	39 515	41 535	45 027	53 440
Passenger cars	1 999 753	2 083 753	2 164 818	2 235 794	2 337 498
Buses, motor coaches	9 880	10 441	9 900	10 392	11 136
Freight vehicles	228 900	241 241	255 954	268 586	284 563
Trailers and semi-trailers	154 115	83 971	87 350	90 632	95 087
Special purpose motor vehicles	8 979	4 586	2 458	2 549	2 898

Accompanying and auxiliary activities

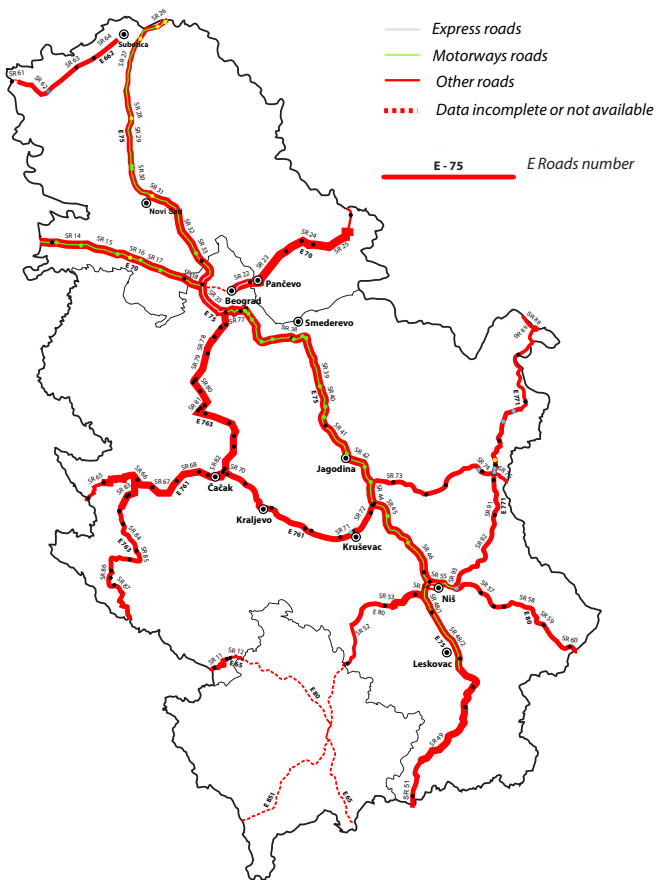
Republic of Serbia

	2018	2019	2020	2021	2022
Railway transport					
Departed passengers, thousand	4 906	4 075	2 589	2 574	5 550
Loaded goods, mill. t	6.5	6.1	5.8	5.8	5.1
Unloaded goods, mill. t	6.5	6.2	5.4	5.3	5.3
Goods in transit, mill. t	3.0	2.5	2.4	2.4	1.9
Pipeline transport					
Turnover volume	6 161	5 580*	5 745	6 377	7 084
Inland traffic	1 799	1 576	1 662	1 893	1 584
Exports	-	-	-	-	-
Imports	4 362	4 004	4 083	4 484	5 500
Transit	133	148	180	194	185
Inland waterway transport					
Total turnover, thousand t	8 570	10 821	9 369	18 332	17 136
Turnover volume	7 452	9 736	8 164	13 611	12 203
Domestic turnover, unloading	1 118	1 085	1 205	4 721	5 113
Exports	2 314	3 591	3 753	3 708	1 918
Imports	4 020	5 060	3 206	5 182	4 992
Transit	2 844	3 642	3 437	4 227*	2 750
Air transport					
Total passenger traffic, thousand	5 989	6 581	2 057	3 295	6 077
Domestic traffic, departed	0	0	0	0	8
International traffic	5 989	6 581	2 057	3 295	6 069
Arrived	2 992	3 282	1 031	1 733	3 071
Departed	2 997	3 299	1 026	1 562	2 998
Cross-border traffic of road motor vehicles – entered					
Passenger cars	9 612 089	9 494 314	5 092 524	7 450 195	8 214 844
Buses, motor coaches	177 820	177 496	65 870	93 395	122 771
Motorcycles	13 551	13 000	2 343	4 724	4 783
Freight vehicles	631 907	664 663	676 759	756 010	759 488
Freight vehicles, transit	...	...	...	...	...
Traffic accidents with casualties					
Road accidents, number	14 142	14 134	12 239	13 686	13 190
Casualties (persons killed and injured)	21 198	20 725	17 596	19 586	19 413
Overloading					
Overloaded goods, thousand t	8 314	9 838	9 310	9 192	8 763
Handled goods	10 225	11 700	11 850	10 763	10 103
Mechanically	10 217	11 695	11 848	10 759	10 099
Post activities and telecommunications					
Letter mails, mill.	283	263	258	259	248
Parcels posted, thousand	1 003	1 140	904	966	1 557
Payment traffic operations, thousand	123 429	110 986	84 762	79 613	73 227
Fixed telephone traffic, min. mill.	4 083	3 375	3 495	2 870	2 358
Mobile network, min. mill.	17 707	19 026	22 133	22 422	21 928

* Corrected data.



Major traffic arteries in the Republic of Serbia



Source: S Project Ltd.

Total turnover in ports, 2022

t

Republic of Serbia – Total	17 135 645
Apatin	6 641
Bačka Palanka	437 724
Beograd	3 523 763
Beočin	39 388
Veliko Gradište	46 142
Vladimirci	44 693
Golubac	302 467
Žabalj	58 774
Zrenjanin	13 053
Kovin	621 945
Kula	9 910
Novi Sad	1 456 333
Odžaci	107 392
Pančevo	1 641 246
Požarevac	1 583 424
Prahovo	1 164 426
Ruma	63 524
Senta	24 326
Smederevo	3 097 349
Sombor	54 389
Srbobran	12 684
Sremska Mitrovica	1 435 591
Stara Pazova	127 303
Šabac	142 026
Other ports	1 121 132



Inland waterways and ports in Serbia



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



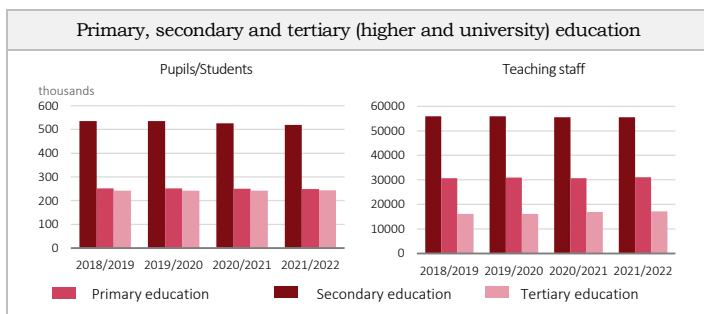
Basic indicators of education ¹⁾

Republic of Serbia

	Classes	Teaching staff		Pupils / Students	
		Total	Full-time	Total	Graduated
2000	43 573	81 325	67 059	1 262 934	194 194
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
2018	36 041	103 131	60 673	1 032 905	178 699
2019	36 118	103 046	60 219	1 028 982	179 533
2020	35 776	103 171	59 183	1 019 086	176 413
2021	35 697	103 798	59 361	1 012 065	174 395
Primary education	25 229	55 530	29 177	519 267	65 201
Secondary education	10 468	31 068	15 386	248 846	68 664
Tertiary education	-	17 200	14 798	243 952	40 530

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

²⁾ Starting from 1998 no data for the AP Kosovo and Metohija are available.



Language of ethnicities: schools and pupils/students

Republic of Serbia

	Regular primary education			
	Schools ¹⁾	Classes	Pupils	Teachers ²⁾
Total				
2017/18	245	1 704	28 430	4 130
2018/19	265	1 736	29 285	4 259
2019/20	270	1 800	29 981	4 388
2020/21	262	1 784	29 151	4 510
2021/22	260	1 753	28 385	4 325
Albanian				
2017/18	30	223	3 758	602
2018/19	42	185	2 595	532
2019/20	48	258	4 065	786
2020/21	51	263	4 085	851
2021/22	45	244	3 809	701
Bosnian				
2017/18	62	378	8 719	932
2018/19	75	519	11 727	1192
2019/20	76	522	11 622	1 088
2020/21	64	504	11 159	1 145
2021/22	66	491	10 809	1 078
Bulgarian ³⁾				
2017/18	1	5	36	21
2018/19	1	7	52	21
2019/20	1	7	50	21
2020/21	1	8	55	21
2021/22	1	8	55	21
Hungarian ³⁾				
2017/18	101	814	12 030	1 862
2018/19	97	759	11 221	1 769
2019/20	97	749	10 624	1 769
2020/21	98	763	10 389	1 786
2021/22	98	759	10 159	1 802

¹⁾ Schools with classes providing teaching on language of ethnicities.

²⁾ Number of appearances.

³⁾ 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 ¹⁾	Classes	Pupils	Teachers ²⁾
Romanian				
2017/18	23	80	813	241
2018/19	24	78	780	242
2019/20	24	80	778	253
2020/21	24	82	748	242
2021/22	24	75	744	229
Ruthenian				
2017/18	3	23	371	36
2018/19	3	26	328	66
2019/20	3	26	323	59
2020/21	3	25	329	58
2021/22	3	24	317	57
Slovakian				
2017/18	16	150	2 449	323
2018/19	16	140	2 359	327
2019/20	15	136	2 299	305
2020/21	15	115	2 180	304
2021/22	17	130	2 289	330
Croatian				
2017/18	9	26	254	113
2018/19	7	22	223	110
2019/20	6	22	220	107
2020/21	6	24	206	103
2021/22	6	22	203	107

¹⁾ Schools with classes providing teaching on language of ethnicities.

²⁾ Number of appearances.



Language of ethnicities: schools and students/pupils

Republic of Serbia

	Regular secondary education				Other education	
	Schools ¹⁾	Classes	Pupils/ Students	Teachers ²⁾	Special education ³⁾	Adult education
Total						
2017/18	52	443	8 799	1 642	348	60
2018/19	52	427	8 335	1 608	335	56
2019/20	53	427	8 207	1 592	315	32
2020/21	54	427	7 995	1 643	301	134
2021/22	54	416	7 480	1 541	272	146
Albanian						
2017/18	4	108	2 687	295	-	-
2018/19	4	100	2 439	289	-	-
2019/20	4	98	2 398	271	-	-
2020/21	4	87	2 232	278	-	-
2021/22	4	84	2 022	274	-	-
Bulgarian ⁵⁾						
2017/18	1	4	42	26	-	-
2018/19	1	4	42	31	-	-
2019/20	1	4	43	30	-	-
2020/21	1	4	42	27	-	-
2021/22	1	4	46	28	-	-
Hungarian ⁵⁾						
2017/18	39	294	5 364	1 131	334	60
2018/19	38	282	5 070	1 073	317	56
2019/20	39	284	5 052	1 064	301	32
2020/21	39	290	4 978	1 103	279	134
2021/22	39	281	4 681	1 041	258	146

¹⁾ Schools with classes providing teaching on language of ethnicities.

²⁾ Number of appearances.

³⁾ Relative to primary and secondary education.

⁴⁾ No data for AP Kosovo and Metohija are available.

⁵⁾ 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 ¹⁾	Classes	Pupils/ Students	Teachers ²⁾	Special education ³⁾	Adult education
Romanian						
2017/18	2	8	166	36	-	-
2018/19	2	8	132	35	-	-
2019/20	2	8	109	34	-	-
2020/21	2	8	112	35	-	-
2021/22	2	8	109	33	-	-
Ruthenian						
2017/18	1	4	54	22	5	-
2018/19	1	4	49	22	5	-
2019/20	1	4	43	19	3	-
2020/21	1	4	36	15	4	-
2021/22	1	4	41	15	-	-
Slovakian						
2017/18	2	13	298	48	9	-
2018/19	3	18	391	67	13	-
2019/20	3	18	361	74	11	-
2020/21	3	18	357	65	18	-
2021/22	3	18	359	70	14	-
Croatian						
2017/18	3	12	188	84	-	-
2018/19	3	11	212	91	-	-
2019/20	3	11	201	100	-	-
2020/21	4	16	238	120	-	-
2021/22	4	17	222	80	-	-

¹⁾ Schools with classes providing teaching on language of ethnicities.

²⁾ Number of appearances.

³⁾ 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
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
2018/19	2 844	218 567	50 645	102 855	65 067
2019/20	2 842	224 563	54 135	106 655	63 773
2020/21	2 825	216 570	50 635	101 400	64 535
2021/22	2 853	223 559	53 981	105 859	63 719

Institutions promoting school standard

Republic of Serbia

	Pupils' standard			Students' standard		
	Institutions	Users	Credits and scholarships beneficiaries	Students centres	Users	Credits and scholarships beneficiaries
2020	60	10 294	12 753	9	17 261	17 120
2021	60	10 434	13 121	9	17 402	14 695

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

	Schools	Enrolled students				Teachers		Associates	
		Total	Fema- le stu- dents	Budget financed		Total	Full- time	Total	Full- time
				All	Fe- male 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
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
2019/20	184	241 968	137 910	100 250	59 998	11 823	10 486	4 378	3 723
2020/21	164	242 550	139 427	102 068	62 033	12 429	10 989	4 526	3 781
2021/22	168	243 952	141 371	98 720	60 475	12 626	11 077	4 574	3 721
2022/23	169	248 508	145 666	98 284	60 503	12 592	11 509	4 417	3 719

University graduates

Republic of Serbia

	2019	2020	2021	2022
Total				
All	42 499	41 395	40 530	36 951
Females	25 002	24 876	24 777	22 435
State universities	26 269	25 857	24 813	22 288
Private universities	6 860	6 887	7 174	6 154
State schools of tertiary education/ Academies of applied studies	8 486	7 497	7 206	7 136
Private schools of tertiary education	884	1 154	1 337	1 373



Households with computer

%

	Republic of Serbia
2013	59.9
2014	63.2
2015	64.4
2016	65.8
2017	68.1
2018	72.1
2019	73.1
2020	74.3
2021	76.7
2022	77.0
2023	75.9

Households with internet connection

%

	Republic of Serbia
2013	55.8
2014	62.8
2015	63.8
2016	64.7
2017	68.0
2018	72.9
2019	80.1
2020	81.0
2021	81.5
2022	83.2
2023	85.6

Households with broadband internet connection

%

	Republic of Serbia
2013	43.4
2014	55.1
2015	56.0
2016	57.8
2017	61.9
2018	72.5
2019	79.6
2020	80.8
2021	81.4
2022	83.2
2023	85.6



Computers use – individuals

%

	Republic of Serbia									
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Never used computer	29.7	28.7	27.2	26.1	22.8	21.7	19.8	17.6	17.3	15.5
In the last 3 months	62.5	65.8	67.1	67.7	70.7	71.9	72.4	74.8	75.9	75.4
More than 3 months and less than 1 year ago	1.8	2.2	0.9	1.3	2.0	1.4	1.5	2.1	2.2	3.2
More than 1 year ago	6.0	3.3	4.7	4.9	4.5	5.0	6.4	5.5	4.6	5.9

Internet use – individuals

%

	Republic of Serbia									
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Never used computer	33.1	30.6	29.2	25.6	24.2	19.4	17.4	10.4	10.6	8.9
In the last 3 months	62.1	65.3	67.1	70.5	73.4	77.4	78.4	81.2	83.5	85.4
More than 3 months and less than 1 year ago	1.9	1.0	1.6	1.6	1.2	1.1	1.0	3.3	0.9	4.6
More than 1 year ago	2.9	3.1	2.2	2.3	1.2	2.1	3.2	5.1	4.9	1.1



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
2017	280	107	54	111	8
2018	279	111	54	111	3
2019	337	165	57	112	3
2020	335	159	59	113	4
2021	361	187	59	112	3
2022	390	214	61	113	2
Natural	108	78	14	15	1
Engineering and technology	136	102	10	24	-
Agricultural	29	11	12	6	-
Medical and health	22	8	4	10	-
Social	70	14	10	45	1
Humanities	25	1	11	13	-



Research works (projects and studies) by sectors

Republic of Serbia

	Total	Basic research	Applied research	Experimental development
Number of scientific research works				
2017	10 093	4 694	3 705	1 694
2018	9 878	4 595	3 382	1 902
2019	10 389	4 722	3 713	1 954
2020	12 970	7 041	3 866	2 063
2021	13 151	7 408	3 365	2 378
2022	13 366	7 271	3 087	3 008
Non-financial sector	1 059	219	299	541
General government	4 133	2 921	655	557
Tertiary education	8 166	4 127	2 129	1 910
Non-profit sector	8	4	4	-

Value of scientific research works, RSD thousand

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
2019	48 074 119	14 861 429	19 667 040	13 545 650
2020	49 847 132	16 734 212	20 984 081	12 128 839
2021	62 330 472	16 620 172	17 798 080	27 912 220
2022	68 574 283	19 308 061	14 611 698	34 654 524
Non-financial sector	29 987 035	1 075 912	5 359 173	23 551 950
General government	18 003 481	7 745 879	4 431 662	5 825 940
Tertiary education	20 581 410	10 485 348	4 819 428	5 276 634
Non-profit sector	2 357	922	1 435	-

Expenditures for research works

Republic of Serbia

RSD thousand

	Total	Of which: budgetary funds
2017	41 531 049	17 899 912
2018	46 615 667	18 754 517
2019	48 074 119	21 856 218
2020	49 847 132	25 237 240
2021	62 330 472	26 588 164
2022	68 574 283	27 433 958



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
2017	22 782	11 411	16 182	8 098	1 533	778
2018	22 971	11 645	16 213	8 329	1 527	733
2019	22 972	11 867	16 399	8 518	1 847	934
2020	23 524	12 413	16 662	8 809	2 330	1 158
2021	23 977	12 488	16 962	8 875	2 223	1 136
2022	24 838	13 093	17 512	9 189	2 352	1 284
Non-financial sector	4 056	1 440	1 982	693	795	298
Natural	2 065	699	966	337	350	115
Engineering and technology	1 730	596	884	285	382	148
Agricultural	83	45	11	5	33	17
Medical and health	90	62	73	51	9	5
Social	83	37	44	14	20	13
Humanities	5	1	4	1	1	-
General government	5 867	3 375	3 490	2 141	421	236
Natural	2 222	1 401	1 611	1 059	219	116
Engineering and technology	1 216	594	456	248	97	58
Agricultural	1 275	677	420	258	85	44
Medical and health	247	176	216	150	4	4
Social	442	243	375	189	7	6
Humanities	465	284	412	237	9	8
Tertiary education	14 912	8 275	12 037	6 352	1 136	750
Natural	2 291	1 339	1 945	1 105	222	152
Engineering and technology	3 547	1 575	3 052	1 292	126	59
Agricultural	1 076	592	768	399	61	34
Medical and health	3 138	1 876	2 651	1 523	144	100
Social	3 274	1 838	2 422	1 264	372	254
Humanities	1 586	1 055	1 199	769	211	151
Non-profit sector	3	3	3	3	-	-
Social	3	3	3	3	-	-



Enterprises by innovation and size 2020 – 2022

Republic of Serbia

Enterprises by size and type	Total	Innovators	Non-innovative enterprises	Participation of innovators (%)
Total	19 367	9 905	9 462	51,14
Small enterprises	15 849	7 855	7 994	49,56
Medium enterprises	2 879	1 618	1 261	56,20
Large enterprises	639	432	207	67,61
Manufacturing enterprises	4 951	2 470	2 481	49,89
Enterprises providing services	14 416	7 435	6 981	51,57



Libraries, 2022

Republic of Serbia

Part I

Type of library	Number of libraries	Collections in libraries		
		Books	Titles of periodicals	Other collections
Total	2 139	37 271 451	763 725	2 958 230
National	2	3 780 060	98 649	924 455
Tertiary education	161	4 703 754	407 205	636 400
Schools	1 288	11 598 301	51 497	128 434
Specialized	154	1 900 995	151 782	389 590
Public	534	15 288 341	54 592	879 351

Libraries, 2022

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	881	745 844	20 792	105 538
National	2	70 258	3 082	7 666
Tertiary education	97	56 157	8 974	14 737
Schools	486	172 971	2 886	3 239
Specialized	67	49 393	2 094	17 956
Public	229	397 065	3 756	61 940

Library users (members), library collections and employees, 2022

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	1 492 887	10 148 131	7 031 226	5 321	3 470
National	8 860	106 971	62 946	334	334
Tertiary education	200 690	787 863	420 185	481	462
School	636 617	2 765 979	1 467 430	2 042	457
Specialized	32 498	162 765	65 090	210	143
Public	614 222	6 324 553	5 015 575	2 254	2 074

Source: National library of Serbia.



Professional theatres

	Theatres ¹⁾	Seats	Performances ²⁾	Visitors, thousand
1975/76	25	10 728	4 896	1 761
1985/86	28	12 471	4 778	1 398
2016/17	35	12 667	4 506	1 003
2017/18	36	13 571	4 123	983
2018/19	37	13 778	3 931	795
2019/20	39	14 006	2 638	713
2020/21	38	11 146	1 791	248
2021/22	37	12 509	2 883	443

Source: Since 2013/14 it is the Centre for studies in cultural development/CSCD. ²⁾ Since 2019/20 number of performances and number of visitors in the permanent hall.

¹⁾ Data for AP Kosovo and Metohija are not available.

Radio stations

Republic of Serbia

	Radio stations				Radio program, thousand hours		
	Total ¹⁾	Public	Private	Other	Total	Music	Talk show program
1966	8	...	...	...	29	18	11
1980	52	...	...	...	136	86	50
2017	189	29	152	8	1 595	1 064	531
2018	197	34	157	6	1 679	1 171	508
2019	199	34	158	6	1 682	1 203	479
2020	191	32	149	10	1 608	1 146	462
2021	191	32	149	10	1 614	1 150	464
2022	188	27	151	10	1 627	1 148	479

¹⁾ Data for AP Kosovo and Metohija not available.

TV

Republic of Serbia

	TV stations				TV broadcast, hours	
	Total ¹⁾	Public	Private	Other	Total	Informative program
1980	3	...	...	...	7 987	2 943
1990	5	...	...	...	17 486	6 487
2017	120	26	90	4	966 169	204 107
2018	118	24	90	4	958 899	185 140
2019	117	25	89	3	901 256	189 327
2020	111	27	83	1	886 600	178 889
2021	111	27	83	1	875 384	188 038
2022	104	23	80	1	819 138	173 569

¹⁾ Data for AP Kosovo and Metohija not available.



Cinemas

Republic of Serbia

	Cine- mas ¹⁾	Seats	Projections			Visitors. thousand			Visi- tors. per 1000 inhab- itants
			Total	Do- mestic films	For- eign films	Total	Dome- stic films	For- eign films	
1990	370	139 327	126 373	10 341	116 032	7 575	1 228	6 347	843
2010	126	51 580	63 549	4 605	58 944	1 946	178	1 768	283
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
2019	93	40 660	153 951	15 627	138 324	3 303	692	2 611	468
2020	97	45 761	73 140	5 714	67 426	1 295	114	1 181	188
2021	97	40 219	147 193	22 243	124 950	2 759	1 054	1 705	402
2022	97	42 420	160 847	22 883	137 964	2 969	641	2 328	444

Source: Since 2013/14 it is the Centre for studies in cultural development/CSCD

¹⁾ Data for AP Kosovo and Metohija not available.

Books and brochures, by editions and publishers, 2022

	Republic of Serbia						Fore- ign coun- tries
	Total ¹⁾	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	
Total	12 502	8 502	2 044	1 118	806	...	32
General	660	423	130	55	52	...	-
Philosophy, psychology	451	354	69	14	14	...	-
Religion, theology	355	218	44	63	28	...	2
Social sciences, general	2 960	2 308	324	182	131	...	15
Natural sciences	360	224	84	24	28	...	-
Applied sciences, medicine, engineering	898	548	195	79	75	...	1
Art	706	366	199	77	62	...	2
Linguistics, philology and literature	5 653	3 845	878	549	369	...	12
Archaeology, geography, biographies, history	459	216	121	75	47	...	-

¹⁾ 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, 2013–2022

Republic of Serbia

Part I

	Physicians	Dentists	Pharmacists	Number of visits to medical doctors in outpatient clinics, thousand ¹⁾
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
2019	19 884	1 596	1 528	51 683
2020	20 101	1 545	1 429	38 159
2021	20 186	1 533	1 395	46 738
2022	20 585	1 497	1 392	47 419

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

¹⁾ Presented are visits to medical doctor in surgery and home visits.



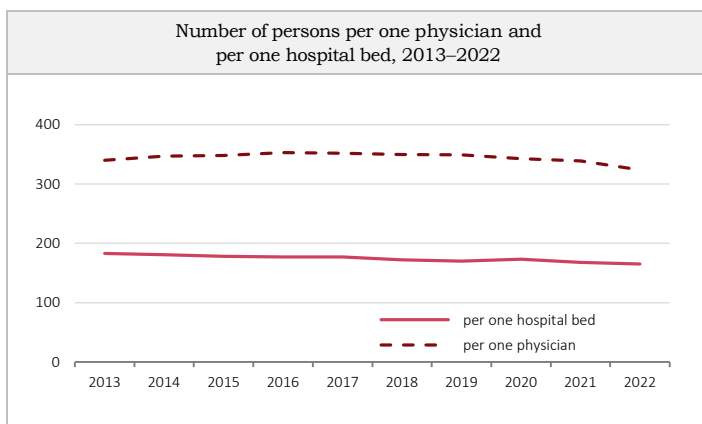
Basic indicators of the system of public health services, 2013–2022

Republic of Serbia

Part II

	Hospital beds	Discharges	Hospitalization days, thousand	Population/persons	
				Per one physician	Per one hospital bed
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
2019	40 812	1 173 287	9 165	349	170
2020	39 956	810 168	6 301	343	173
2021	40 626	912 277	6 878	339	168
2022	40 462	989 231	7 359	324	165

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



Health insurance, 2018–2022

Republic of Serbia

thousand

	2018	2019	2020	2021	2022
Insured persons, average					
Active	2 060	2 129	2 200	2 238	2 280
Pension and disability insurance beneficiaries	1 758	1 745	1 733	1 705	1 694
Temporary unemployed	35	34	31	33	31
Family members	1 424	1 417	1 392	1 365	1 355
Insurance based on					
Sick leave					
Days	2 907	3 388	3 977	4 814	7 502
Accident while working and professional disease	5	4	4	4	5
Illness	2 905	3 384	3 866	4 795	7 190
Care of family member, isolation, etc.	170	164	199	173	312
Other insurance bases					
Administered medicines	102 355	106 866	108 783	108 520	102 758
Hospitalisation					
Cases hospitalised	778	797	603	667	712
Days	10 570	10 652	7 768	8 610	8 698

Source: RS Health insurance fund.



Criminal offence

Republic of Serbia

	Adults			Minors		
	Crime reports ¹⁾	Charges	Convictions	Crime reports	Charges	Convictions
2018	92 874	35 146	29 750	2 744	1 849	1 548
2019	92 797	32 360	28 112	2 903	2 002	1 676
2020	74 394	29 389	25 487	2 524	1 750	1 239
2021	80 632	31 870	27 508	2 513	1 749	1 383
2022	82 958	30 406	26 200	2 410	1 618	1 213

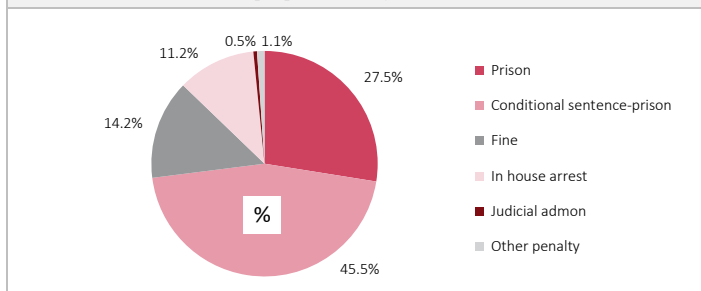
¹⁾ Proceedings closed; unknown perpetrators included.

Economic violations

Republic of Serbia

	Responsible persons			Legal entities		
	Reports	Charges	Convictions	Reports	Charges	Convictions
2018	9 731	7 190	5 518	9 194	6 859	5 337
2019	7 999	9 343	6 576	7 764	8 962	6 208
2020	7 872	6 835	3 877	7 529	6 277	2 888
2021	5 883	10 634	6 129	5 496	9 382	4 288
2022	4 954	15 651	8 487	4 702	13 511	6 866

Convictions, adult perpetrators by sentenced sanction, 2022



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 ²
Earth's land area	149 mill. km ²
Earth's sea area	361 mill. km ²
Earth's volume	1 bill. km ³
Moon-Earth mid-distance	384 thous. km
Earth-Sun mid-distance	150 mill. km

Oceans and seas

	Area, km ² thousand	Maximum depth, m
Pacific Ocean	179 679	11 022
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
Atlantic Ocean	93 800	9 219
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
Indian Ocean	74 917	7 450
Andaman Sea	790	3 970
Red Sea	449	2 390
Arctic Ocean	13 100	5 440
Barents Sea	1400	494
Chukchi Sea	853	600
East Siberia Sea	849	75
Laptev Sea	641	200



Highest mountain peaks

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

Largest lakes

	m ² 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
Europe	Africa	
Volga	Nile	5 920
Danube	Zaire	4 800
Ural	Niger	4 200
Asia	Zambezi	2 660
Yangtze	North America	
Amur	Mississippi - Missouri	6 970
Huang Ho	St Lorenz	4 250
Mekong	Yukon	3 180
Lena	Rio Grande	2 800
Yenisey	South America	
Ob	Amazon	6 180
Indus	Parana	4 700
Euphrates	Oceania	
Irtys	Murray – Darling	3 490
Bramaputra		
Gang		



World countries: Area and capital city

By area

Thousand km²

State ¹⁾	Area ²⁾	Capital ³⁾
Europe		
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
Serbia	88	Belgrade
Austria	84	Vienna
Czech Republic	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

¹⁾ Source: Nomenclature of states as regards the dissemination of official statistics

²⁾ Source: https://unstats.un.org/unsd/publications/statistical-yearbook/files/syb62/T2_Pop.pdf

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



World countries: Area and capital city (continued)

By area

Thousand km²

State ¹⁾	Area ²⁾	Capital ³⁾
Luxembourg	3	Luxembourg
Andorra	~0	Andorra
Malta	~0	Valletta
Monaco	~0	Monaco
San Marino	~0	San Marino
Liechtenstein	~0	Vaduz
Holly See	~0	
Asia		
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

¹⁾ Source: Nomenclature of states as regards the dissemination of official statistics

²⁾ Source: https://unstats.un.org/unsd/publications/statistical-yearbook/files/syb62/T2_Pop.pdf

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

⁴⁾ ~0 State covering area under 1000 km².



World countries: Area and capital city (continued)

By area

Thousand km²

State ¹⁾	Area ²⁾	Capital ³⁾
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
Africa		
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

¹⁾ Source: Nomenclature of states as regards the dissemination of official statistics

²⁾ Source: https://unstats.un.org/unsd/publications/statistical-yearbook/files/syb62/T2_Pop.pdf

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

⁴⁾ ~0 State covering area under 1000 km².



World countries: Area and capital city (continued)

By area

Thousand km²

State ¹⁾	Area ²⁾	Capital ³⁾
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
North and Central America		
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

¹⁾ Source: Nomenclature of states as regards the dissemination of official statistics

²⁾ Source: https://unstats.un.org/unsd/publications/statistical-yearbook/files/syb62/T2_Pop.pdf

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

⁴⁾ ~0 State covering area under 1000 km².



World countries: Area and capital city (continued)

By area

Thousand km²

State ¹⁾	Area ²⁾	Capital ³⁾
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
South America		
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
Oceania		
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

¹⁾ Source: Nomenclature of states as regards the dissemination of official statistics

²⁾ Source: https://unstats.un.org/unsd/publications/statistical-yearbook/files/syb62/T2_Pop.pdf

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

⁴⁾ ~0 State covering area under 1000 km².



International overview ¹⁾: Statistics of population, 2021

Country	Population number, thousand	Natural increase, per 1000 inhabitants	Infant deaths, per 1000 live births	Life expectancy at birth	
				Male	Female
Europe					
Austria	8 933	-0.7	2.7	78.8	83.8
Belgium	11 555	0.5	2.9	79.3	84.0
Belarus ²⁾	9 420	-3.5	2.4	69.3	79.4
Bulgaria	6 878	-13.1	5.6	70.1	77.4
United Kingdom	67 026	0.4	4.0	79.1	82.9
Greece	10 679	-5.5	3.5	78.3	83.6
Estonia	1 329	-4.0	...	72.8	81.4
Italy	59 133	-5.1	2.3	80.3	84.8
Latvia	1 893	-9.1	2.7	80.1	84.7
Lithuania	2 796	-8.7	3.1	70.1	80.1
Hungary	9 731	-6.4	3.3	70.7	77.5
Germany	83 155	-2.7	3.0	78.5	83.4
Portugal	10 298	-4.4	2.4	77.7	83.4
Romania	19 126	-7.4	5.2	71.5	78.9
Russian Federation	146 864	-7.1	...	...	...
Slovakia	5 460	-3.1	4.9	71.2	78.1
Slovenia	2 109	-2.0	1.8	77.6	83.7
Serbia ³⁾	6 834	-10.9	4.7	70.0	75.6
Ukraine	41 419	-10.7	7.2	65.2	74.4
Finland	5 534	-1.5	1.8	79.2	84.5
France	65 447	0.9	...	79.4	85.5
Netherlands	17 475	0.5	3.3	79.7	83.0
Croatia	3 879	-6.8	3.8	74.9	81.5
Czech Republic	10 702	-2.7	2.2	74.1	80.5
Switzerland	8 739	2.1	3.1	81.8	85.8
Sweden	10 379	2.1	1.8	81.2	84.8
Spain	47 327	-2.4	2.5	80.4	86.2
Asia					
Japan	125 682	-5.0	1.7	81.5	87.6
China	1 412 600	0.3	...	75.4	80.9
Africa					
Algeria ²⁾	43 413	...	...	77.2	78.6
Egypt	102 061	14.1	17.8	73.4	75.9
America					
Brazil	213 318	4.0	10.0	73.6	80.5
Mexico	128 972	6.2	10.0	72.5	78.2
United States of America	332 032	...	...	73.2	79.1
Canada ⁴⁾	38 007	1.4	4.5	79.5	84.0
Oceania					
Australia	25 688	5.4	3.3	81.3	85.4
New Zealand	5 123	4.6	4.7	80.5	84.1

¹⁾ Source: UN Demographic Yearbook 2022 https://unstats.un.org/unsd/demographic-social/products/dyb/dyb_2022/

²⁾ Data for 2019.

³⁾ Data for AP Kosovo and Metohija not available.

⁴⁾ Data for 2020.



Gross domestic product at market prices, 2023 ¹⁾

Estimates

	Total, USD million	Gross domestic product expenditure ²⁾ , %			
		House- hold final consump- tion ex- penditure	General government final con- sumption expenditure	Gross capital formation	External balance of goods and services
Europe					
Austria	470 302	51	21	28	0
Belgium	582 643	51	24	27	- 2
Bosnia and Herzegovina	24 474	68	19	27	- 14
Bulgaria	90 213	58	18	23	0
United Kingdom	3 089 073	62	21	19	- 3
Greece	217 286	68	20	21	- 10
Denmark	400 167	43	22	24	11
Italy	2 046 953	60	19	23	- 2
Hungary	177 337	50	21	34	- 4
North Macedonia	13 711	70	15	36	- 21
Germany	4 076 924	51	22	25	2
Norway	579 422	32	19	21	28
Poland	688 125	58	18	22	1
Portugal	254 850	64	18	21	- 2
Russian Federation	2 240 422	48	18	22	13
Slovenia	59 982	54	19	24	2
Serbia ^{3/4)}	75 179	67	16	21	- 5
Finland	282 512	51	24	26	- 2
France	2 775 317	53	24	26	- 4
Netherlands	1 008 027	43	25	21	11
Croatia	71 552	59	21	26	- 6
Montenegro	6 230	75	18	30	- 23
Czech Republic	290 528	47	20	32	1
Switzerland	818 427	50	11	25	14
Sweden	591 189	44	25	28	3
Spain	1 415 874	57	20	21	1

¹⁾ Source: www.un.org.

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

³⁾ 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).

⁴⁾ Source: Statistical Office of the Republic of Serbia.



Gross domestic product at market prices, 2023 ¹⁾ (continued)

Estimates

	Total, USD million	Gross domestic product expenditure ²⁾ , %			
		House- hold final consump- tion ex- penditure	General government final con- sumption expenditure	Gross capital formation	External balance of goods and services
Asia					
Azerbaijan	78 721	43	11	13	33
Israel	525 002	49	21	27	3
India	3 465 541	61	10	31	- 4
Indonesia	1 319 100	53	8	30	4
Iran	398 048	44	14	40	2
Japan	4 232 174	55	22	27	- 4
China	17 963 171	37	16	43	3
Malaysia	406 306	58	12	24	7
Pakistan	326 797	86	10	15	- 11
Thailand	495 341	55	18	28	- 2
Turkey	907 118	57	12	35	- 4
Philippines	404 284	76	15	25	- 16
Africa					
Algeria	191 913	40	16	34	9
Ghana	73 766	78	7	16	- 1
South Africa	405 271	64	19	15	2
Morocco	130 913	62	19	30	- 11
Mauritania	10 997	48	17	54	- 19
North and Central America					
Guatemala	95 003	88	12	17	- 17
Canada	2 137 939	54	21	21	
Mexico	1 463 324	71	11	23	- 3
United States of America	25 744 100	68	14	22	- 4
South America					
Argentina	631 133	66	15	18	1
Brazil	1 920 095	63	18	18	1
Venezuela	129 314	94	8	8	- 21
Ecuador	115 049	62	15	22	1
Colombia	343 939	70	16	22	- 8
Panama	76 523	53	13	34	- 1
Uruguay	71 171	60	16	19	5
Chile	300 686	64	14	25	- 4
Oceania					
Australia	1 776 577	50	21	24	5
New Zealand	245 845	58	21	26	- 5

¹⁾ Source: www.un.org.

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



Exchange rates ¹⁾

USD – national currency exchange rate, end of year

	Currency	2019	2020	2021	2022	2023
Europe						
Albania	lek	108.21	100.35	105.95	106.5	93.23
Austria	euro	0.896	0.815	0.882	0.939	0.901
Belgium	euro	0.896	0.815	0.882	0.939	0.901
Bulgaria	Bulgarian lev	1.741	1.594	1.724	1.837	1.769
United Kingdom	pound	0.758	0.732	0.742	0.831	0.786
Greece	euro	0.89	0.815	0.882	0.939	0.901
Denmark	kroner	6.652	6.065	6.556	6.959	6.744
Ireland	euro	0.896	0.815	0.882	0.939	0.901
Italy	euro	0.896	0.815	0.882	0.939	0.901
Hungary	forint	294.29	296.76	326.32	374.63	345.78
North Macedonia	denar	54.76	50.13	54.014	57.56	55.237
Germany	euro	0.896	0.815	0.882	0.939	0.901
Norway	krona	10.243	8.53	8.778	9.831	10.166
Poland	zloty	3.789	3.713	4.053	4.38	3.924
Portugal	euro	0.896	0.815	0.882	0.939	0.901
Romania	Romanian leu	4.256	3.966	4.361	4.627	4.499
Russian Federation	ruble	74.938	74.46	74.999	71.481	89.225
Slovakia	euro	0.896	0.815	0.882	0.939	0.901
Slovenia	euro	0.896	0.815	0.882	0.939	0.901
Serbia ^{2) 3)}	RSD	104.919	95.664	103.926	110.152	105.867
Finland	euro	0.896	0.815	0.882	0.939	0.901
France	euro	0.896	0.815	0.882	0.939	0.901
Netherlands	euro	0.896	1.78	0.882	0.936	1.78
Croatia	kuna	6.49	5.95	6.45	0.925	0.901
Czech Republic	koruna	22.165	20.754	21.417	22.102	21.731
Switzerland	franc	0.966	0.881	0.914	0.923	0.838
Sweden	krona	9.301	8.172	9.025	10.386	10.031
Spain	euro	0.896	0.815	0.882	0.939	0.901

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

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

²⁾ Source: National Bank of Serbia.



Exchange rates ¹⁾ (continued)

USD – national currency exchange rate, end of year

	Currency	2019	2020	2021	2022	2023
Asia						
Viet Nam	dong	23 171	23 070	22 765	23 610	24 260
Israel	New shekel	3.454	3.213	3.099	3.518	3.619
India	rupee	71	73.034	74.343	82.599	83.162
Iran	rial	42 000	42 000	42 000	42 000	42 000
Japan	yen	108.53	103.08	115.04	131.83	141.47
China	yuan renminbi	6.961	6.54	6.373	6.897	7.104
Republic of Korea	won	1 153.7	1 087.66	1 188.92	1 252.61	1 288.57
Lebanon	pound	1 500	1 500	1 500	15 000	15 000
Myanmar	kyat	1 505.00	1 353	1 773	2 100	3 380
Mongolia	tughrik	2 733.52	2 849.77	2 848.63	3 443.37	3 410.69
Pakistan	rupee	154.85	159.75	177.97	226.4	276.2
Syrian Arab Republic	pound	435	1 256	2 511	2 510	8 585
Thailand	baht	29.77	29.92	33.4	34.52	34.33
Turkey	lira	5.942	7.424	12.956	18.711	29.547
Philippines	pesos	50.64	48.173	50,978	55.606	55.451
Sri Lanka	rupee	181.3	187,54	202.75	363	323.8
Africa						
Algeria	dinar	118.78	132.212	138.284	136.467	134.051
Ghana	new cedi	5.66	5.81	6.05	9.838	11.9
Egypt	pound	16.02	15.69	15.668	24.74	30.9
South Africa	rand	15.574	14.673	15.882	16.948	18.427
Morocco	dirham	9.597	8.917	9.271	10.474	9.855
Tunisia	dinar	2.772	2.683	2.876	3.094	3.064
North and Central America						
Guatemala	quetzal	7.69	7.78	7.702	7.845	7.815
Canada	dollar	1.31	1.275	1.277	1.354	1.326
Costa Rica	colon	569.65	607.69	638.27	591.36	519.22
Cuba	pesos	1.00	1.00	24	24	24
Mexico	new pesos	22.491	19.913	20.531	19.546	16.949
South America						
Argentina	pesos	59.87	89.25	107.75	183	827.75
Bolivia	bolivian	6.83	6.81	6.82	6.86	6.86
Brazil	real	4.475	5.194	5.668	5.286	4.852
Venezuela	bolivar	46677.2	1037851.25	4.58	16.566	35.81
Ecuador	USD	1	1	1	1	1
Colombia	pesos	4 021	3 414.5	4 030.43	4 845.83	3 873
Paraguay	guarani	6 442.3301	6 891.96	6 854	7 309.61	7 249.99
Peru	new sol	3.314	3.619	3.969	3.786	3.675
Uruguay	pesos	43.41	42.14	44.45	39.95	39.02
Chile	pesos	851.71	709.75	842.5	851.5	880
Oceania						
Australia	dollar	1.425	1.294	1.375	1.471	1.472
New Zealand	dollar	1.65	1.383	1.466	1.575	1.585

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

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



Country calling codes in the International Telecommunication Union ¹⁾

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

Country Town	Call number
Europe	
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
Srbija – 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

¹⁾ www.bhtelecom.ba; www.telekomsrpske.com; www.telekom.rs



Country calling codes in the International Telecommunication Union ¹⁾

Country Town	Call number	Country Town	Call number
Montenegro ²⁾		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	Africa	
Kotor	032	Algeria	213
Nikšić	040	Egypt	20
Plevlja	052	Ethiopia	251
Podgorica	020	Zambia	260
Czech Republic	420	Zimbabwe	263
Spain	34	South Africa	27
Sweden	46	Kenya	254
Switzerland	41	Lybia	218
Asia		Morocco	212
Afghanistan	93	United Republic of Tanzania	255
India	91	Tunisia	216
Indonesia	62	North and South America	
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	Oceania	
Mongolia	976	Australia	61
Pakistan	92	New Zealand	64
Saudi Arabia	966		

¹⁾ www.bhtelecom.ba; www.telekomsrpske.com; www.telekom.rs

²⁾ 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



GENERAL 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 ¹⁾



National flag of the Republic of Serbia ¹⁾

“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 ¹⁾

(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.

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!

¹⁾ www.srbija.sr.gov.rs



Calling codes in domestic telephone traffic

Town	Calling code
Srbija ¹⁾	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	Calling code
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

¹⁾ www.telekom.rs



Calling codes in domestic telephone traffic

Town	Calling code
Krupanj	015
Kruševac	037
Kučevo	012
Kula	025
Kuršumlija	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	Calling code
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 ¹⁾

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

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



Motor vehicles registration signs ¹⁾ (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

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



Motor vehicles registration signs ¹⁾ (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

¹⁾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.

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.

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.

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 (videoart, 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 researching 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 a large city and its tolerant, communicative and urban nature.



Serbian eparchies and monasteries ¹⁾

Eparchy	Number of monasteries
Total	159
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

¹⁾ Source: 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 principles of statistics

Statistics is a science that study mass phenomena, with the aim to find out their quantitative characteristics, while three-fold contents are assumed: descriptive statistics (data collection, processing), statistical analysis (taking conclusions and establishing 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 that 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 while incurring lowest possible costs.

Statistical report represents the scanning of all changes in a statistical set for 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 over 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 value 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 σ^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 σ 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.

$$\text{Sample with replacement: } K = N^n$$

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 ϑ parameter if its expected value is equal to ϑ parameter.

Estimate is consistent if with increasing the sample size it tends towards ϑ 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 the 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-linked 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,

α – 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 an 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 the following: 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 assumed 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 Serbia 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 advanced 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 main 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 the 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 2×10^{-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 540×10^{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	Ω	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		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 centre of a circle the arc of which is equal in length to the radius.

Solid angle unit

Steradian, solid angle from the centre 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-	μ
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 the form 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 ³ = 10 ⁻³ m ³
Mass	ton	t / t	1 t = 1 Mg = 10 ³ kg
Pressure	bar	bar	1 bar = 10 ⁵ Pa

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

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 unit values

Physical quantity	Unit		
	Name	Symbol	Definition
Energy	Electron-volt	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 ¹² 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	Dioptre		1 dioptre = 1 m^{-1}
Precious stone mass	Carat		1 carat = $2 \times 10^{-4} \text{ kg}$
Land area	Are	a	1 a = 100 m^2
	Hectare	ha	1 ha = 10^4 m^2
Length mass of textile fibre, i.e. thread	Tex	tex	1 tex = $10^{-6} \text{ kg} \cdot \text{m}^{-1}$
Blood and other body fluids pressure	Mercury level bulb millimetre	mm Hg	1 mm Hg = 133.32 Pa
Effective section	Barn	b	1b = 10^{-28} m^2

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

Examples of measurements ¹⁾

Square measure – square meter (m^2)

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^3)

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

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

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

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

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

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

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

Capacity measure

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

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

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

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

Weight

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

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

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

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

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

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

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

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

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

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

¹⁾ Logarithm tables.

Old measures

1 m = 0.527 *hvat*; 1 m² = 0.278 sq. *hvat*

1 m³ = 0.147 cubic *hvat*

1 ha = 1.74 *jutro* = 2780 sq. *hvat*

1 dunum = 1000 m² = 0.1 ha

1 *hvat* = 1.896 m; 1 sq. *hvat* = 3.597 m²

1 cubic *hvat* = 6.821 m³

1 *jutro* = 1600 sq. *hvat* = 5755 m² = 0.576 ha

1 *lanac* = 2 000 sq. *hvat* = 7192 m² = 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 chain = 20.116 m; 1 m = 0.05 chain

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 km²

1 km² = 0.386 sq. mile

1 acre = 0.405 ha

1 ha = 2.471 acre

1 sq. yard = 0.836 m²

1 m² = 1.196 sq. yard

1 sq. foot = 0.093 m²

1 m² = 10.764 sq. foot

1 sq. inch = 6.452 cm²

1 cm² = 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 m³

1 m³ = 1.308 cubic yard

1 cubic foot = 0.028 m³

1 m³ = 35.315 cubic foot

1 cubic inch = 16.387 cm³

1 cm³ = 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

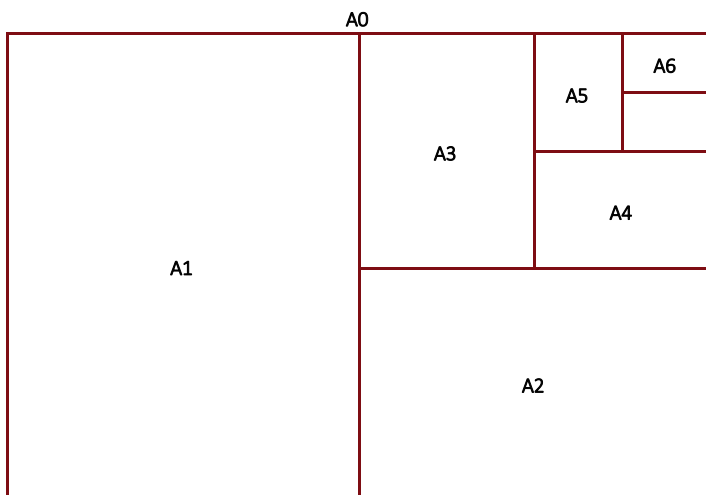
1 g = 0.035 ounce



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	Fluorine	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	Phosphorus	P	30.89	solid
16	Sulphur	S	32.07	solid
17	Chlorine	Cl	35.46	gas
18	Argon	Ar	39.94	noble gas
19	Potassium	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 ¹⁾	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	Dysprosium	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

¹⁾ From 57 to 71 atomic mass: lanthanum and lanthanides.



Chemical elements (continued)

Atomic number	Name	Chemical symbol	Relative atomic mass	Type of element
81	Thallium	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 ¹⁾	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	Meitnerium	Mt	266.00	artificially produced
110	Darmstadt	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	Ununquadium	Uuq	288.00	artificially produced
115	Ununpentium	Uup	288.00	artificially produced

¹⁾ From 89 to 103 atomic mass: actinium and actinides.



PERIODIC TABLE OF ELEMENTS

group	s - elements		d - elements										p - elements											
	1a	2a	3b	4b	5b	6b	7b	8b	9b	10b	11b	12b	13a	14a	15a	16a	17a	18a						
1	H																	He						
2	Li	Be																B	C	N	O	F	Ne	
3	Na	Mg																Al	Si	P	S	Cl	Ar	
4	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr						
5	Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe						
6	Cs	Ba	*	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn						
7	Fr	Ra	**	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Uub	Uut	Uuq	Uup									

- alkali - alkaline earth metals
- transition metals
- poor metals
- semi-metals
- non-metals
- noble gases

d - elements

radioactive elements

artificially produced elements

liquid elements

gaseous elements

solid elements

* Lanthanoides	La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
** Actinoides	Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr



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	J, j	Džei	S, s	Es
B, b	Bi	K, k	Kej	T, t	Ti
C, c	Si	L, l	El	U, u	Ju
D, d	Di	M, m	Em	V, v	Vi
E, e	I	N, n	En	W, w	Dabl ju
F, f	Ef	O, o	Ou	X, y	Eks
G, g	Dži	P, p	Pi	Y, y	Vai
H, h	Eič	Q, q	Kju	Z, z	Zed
I, i	Aj	R, r	A:		



Serbian letters pronounced in other languages

Cyrillic	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	Mélodie	pEricoloso
Ж ж	Ž ž		bonJOur, garaGe	
З з	Z z	wiZard, Xerox	magaZine, raiSin	pericoloSo
И и	I i	mEEt, mEAt, Irltatng	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
Ђ ђ	Ć ć			Clao, 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	Avgust	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



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