



**STATISTICAL POCKETBOOK  
OF THE REPUBLIC OF SERBIA**

**2022**

Statistical Office of the Republic of Serbia

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# Statistical Pocketbook of the Republic of Serbia 2022

Belgrade, 2022

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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 2022

Director

Dr Miladin Kovačević





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# STATISTICAL OVERVIEW

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## Republic of Serbia – area

km<sup>2</sup>

	Area			Area	
	Total	Share %		Total	Share %
REPUBLIC OF SERBIA	88 499	100	SRBIJA – JUG	63 651	71.9
SRBIJA – SEVER	24 848	28.1	Region Šumadije i Zapadne Srbije	26 493	29.9
Beogradski region	3 234	3.7	Region Južne i Istočne Srbije	26 248	29.7
Region Vojvodine	21 614	24.4	Region Kosovo i Metohija	10 910	12.3

As of 1 January 2021.

Source: Republic geodetic authority.

## Length of boundaries of the Republic of Serbia

km<sup>2</sup>

	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 2021.

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 <sup>1)</sup>

	Republic of Serbia					
	Total	Serbia – sever		Serbia – jug		
		Beogradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metohija
Areas, <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 2021.

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

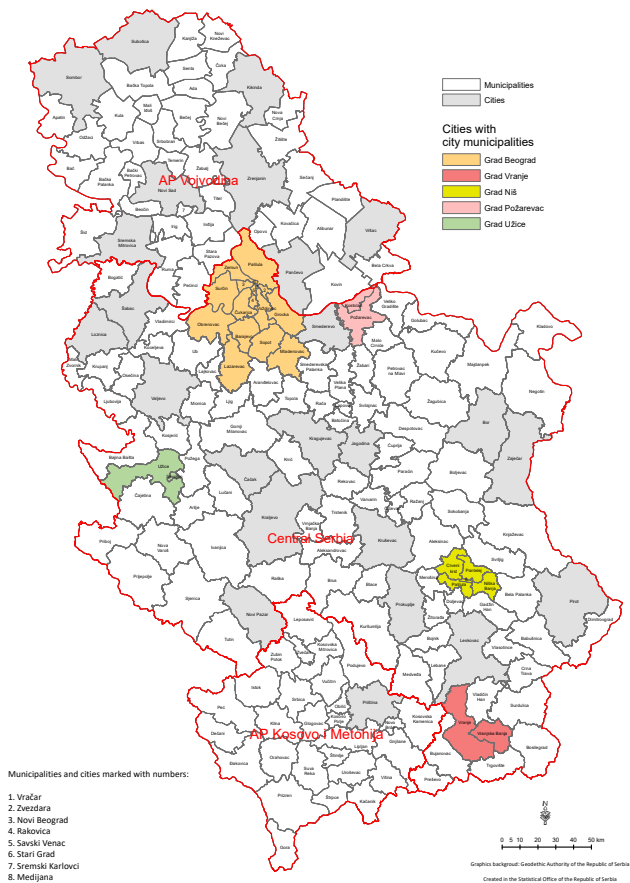
## Geographic coordinates of the extreme points of the Republic of Serbia

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

Source: Military geographic institute, Belgrade.

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

## Cities and municipalities in the Republic of Serbia



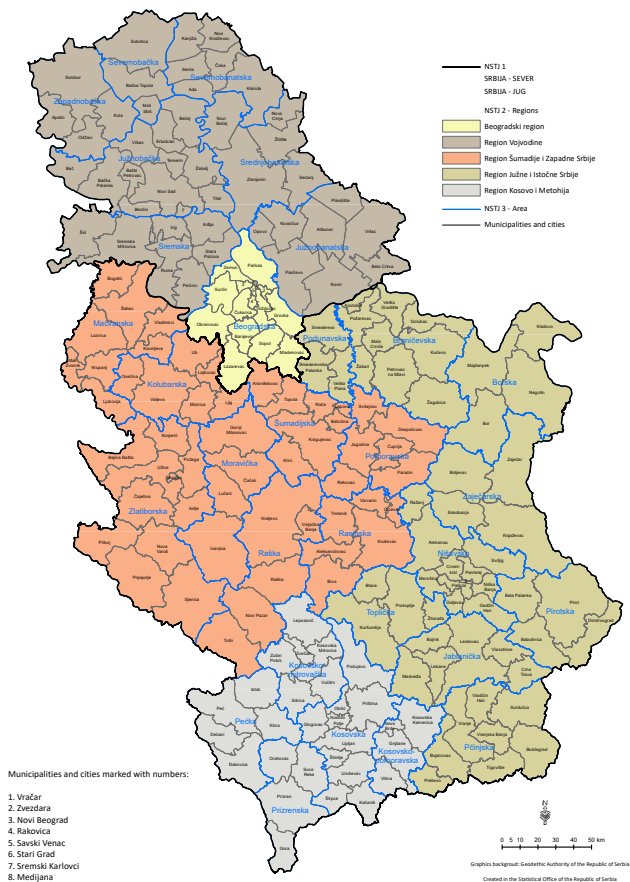
As of 1 January 2021.

Edited at SORS.

Source: Graphic layout by the Republic geodetic authority.



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

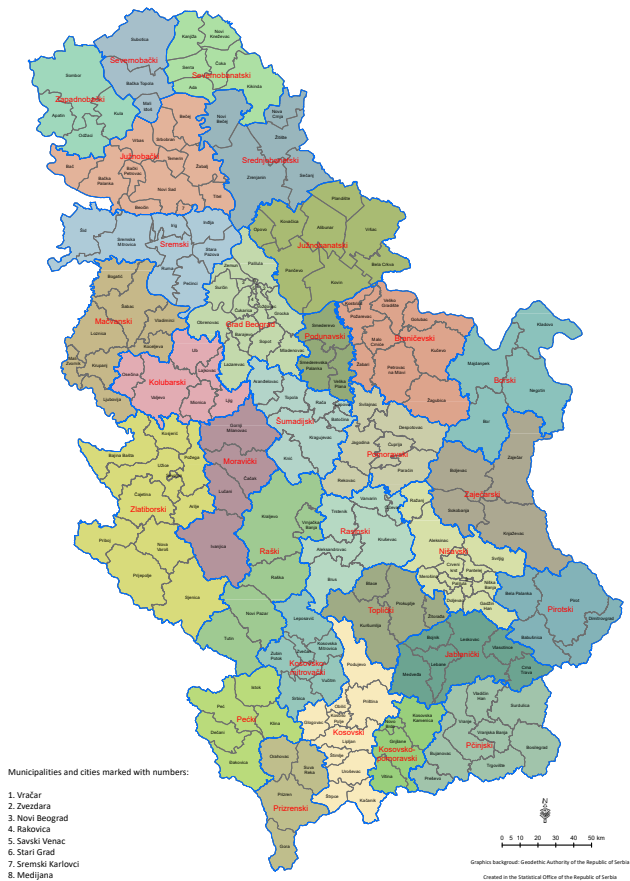


As of 1 January 2021.

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 2021.

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

Source: Faculty of geography, Belgrade.

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

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

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

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

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

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

<sup>6)</sup> 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.

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

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

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

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



## Major rivers (continued)

km

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

Source: Faculty of geography, Belgrade.

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

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

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

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



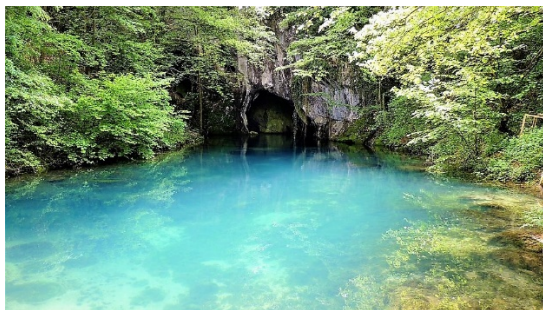
## Lakes

over 4 km<sup>2</sup>

Lake	Area, km <sup>2</sup>	Altitude, m	Maximum depth, m	Water volume, m <sup>3</sup>
Lake Đerdap <sup>1)</sup> (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.

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



## Water usage in industry

m<sup>3</sup>, million

	2019	2020
Water abstracted <sup>1)</sup>	4 234	3 976
Water use <sup>1)</sup>	4 234	3 976
Discharged <sup>1)</sup> water	124	105
Treated wastewater	46	28
Reused water	1	1

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

## Abstracted, distributed water and urban wastewater

m<sup>3</sup>, million

	2019	2020
Water abstracted	668	677
Distributed water	436	437
Water losses	232	240
Total urban wastewater	418	415
Treated urban wastewater	48	55

## Abstracted water for irrigation

	Water abstraction, m <sup>3</sup> , million			
	Total <sup>1)</sup>	Underground waters	Rivers	Reservoirs and lakes
2019	67	3	61	3
2020	69	2	64	3
Danube	57	1	53	3
Sava	1	1	1	0
Morava <sup>2)</sup>	11	0	11	0

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

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

## Protection against damaging water effects

	2019	2020
<b>Floods</b>		
Drained area, ha, thousand	2 029	1 946
Number of flooded settlements	249	405
Eroded land, km <sup>2</sup>	6 090	3 864

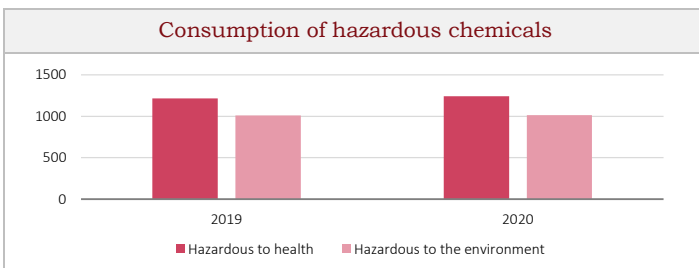


## Consumption of hazardous chemicals

t, thousand

	2019	2020
Health hazards	1 216	1 240
Environmental hazards	1 010	1 012

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



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

t, thousand

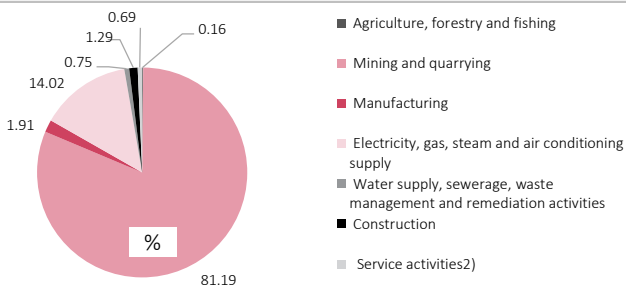
	2019	2020
<b>Total</b>	<b>64 589</b>	<b>56 364</b>
Hazardous	15 807	11 314
Non-hazardous	48 782	45 050
Agriculture, forestry and fishing	94	89
Mining and quarrying	53 770	45 710
Manufacturing	1 606	1 099
Electricity, gas, steam and air conditioning supply	7 500	7 896
Water supply, sewerage, waste management and remediation activities	591	464
Construction	606	729
Service activities <sup>2)</sup>	422	376

<sup>1)</sup> Classification of Activities, NACE Rev. 2.

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



Generated waste by CA/NACE Rev. 2 sections, 2020



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

kt (Gg)

CA/NACE Rev. 2	2018	2019
Manufacturing	19.6	17.1
Electricity, gas, steam and air conditioning supply	310.3	361.8
Other sections	7.5	6.6
Household air emissions	9.6	9.8

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

kt (Gg)

CA/NACE Rev. 2	2018	2019
Agriculture, forestry and fishing	11.0	10.5
Manufacturing	17.3	26.2
Electricity, gas, steam and air conditioning supply	69.2	69.5
Other sections	10.3	10.1
Household air emissions	23.1	23.6



## Material flow indicators

t, thousand

	2019	2020
Domestic extraction (DE)	122 687	129 575
Imports	19 991	18 727
Exports	16 053	16 091
Direct material input (DMI)	142 678	148 302
Domestic material consumption (DMC)	126 625	132 211
Physical trade balance	3 938	2 637
Resource productivity, RSD/kg	39.2	37.2
Domestic material consumption per capita, t/cap.	18.2	18.2

## Environmental tax revenues, by type of taxes

mill,RSD

	2018	2019
<b>Total</b>	<b>211 825</b>	<b>223 716</b>
Energy taxes	182 390	192 180
Transport taxes	14 770	15 789
Pollution taxes	11 612	12 457
Resource taxes	3 053	3 290

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

mill, RSD

	2019	2020
Investments for environmental protection	11 604.9	18 470.6
Current expenditures for environmental protection	30 709.9	28 227.5
Revenues from environmental protection related activities	33 719.3	38 759.2

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

	Unit of measurement	1990	1995	2000	2005	2010	2015	2018	2019
NO <sub>x</sub>	kt	185.4	154.9	148.4	169.1	151.2	148.1	130.9	128.8
NMVOG	kt	191.7	145.9	149.3	149.4	136.9	125.9	120.3	121.3
SO <sub>x</sub>	kt	577.1	499.9	463.5	445.4	403.9	363.9	346.9	395.4
PM <sub>2.5</sub>	kt	60.4	42.1	44.2	48.4	50.2	44.6	44.9	45.6
PM <sub>10</sub>	kt	79.2	57.5	58.5	63.5	64.7	59.4	60.2	61.4
CO	kt	587.9	441.8	452.0	510.1	442.8	352.4	327.6	329.9
NH <sub>3</sub>	kt	128.5	118.0	108.7	110.6	94.9	88.9	81.7	76.1

Source: Environmental Protection Agency.

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



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

	Year of proclamation	Area, ha	Altitude, m
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.

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

## Protected natural areas, 2020

	Republic of Serbia
Protected natural heritage <sup>1)</sup>	473
National parks	5
Natural parks	18
Landscapes	21
Reservations	70
Nature monuments	314
Cultural and historical areas	36
Protected habitat	6

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

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

## Protected plant and animal species, 2020

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

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

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

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

## Natural and cultural heritage under international protection

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

### Culture

Stari Ras – Monastery of Sopoćani (1979)

Studenica Monastery (1986)

Royal palace Felix Romuliana near  
Gamzigrad, 2007

Medieval Monuments in Kosovo

Dečani Monastery – 2004

Patriarchate of Peć Monastery – 2006

Gračanica Monastery – 2006

The Church of the Virgin of Ljeviška – 2006

Stećci – Tombstone Graveyards (2016)

### Biosphere reservations

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

Bačko Podunavlje (2017)

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

Obedska bara (1977)

Ludoško jezero (1977)

Stari Begej – Carska bara (1996)

Slano Kopovo (2004)

Labudovo okno (2006)

Peštersko polje (2006)

Gornje Podunavlje (2007)

Vlasina (2007)

Zasavica (2008)

Koviljsko – Petrovaradinski rit (2012)

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

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

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

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

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

Source: Institute for Nature Conservation of Serbia.

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

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

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

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

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

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

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

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

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



## Important bird areas

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

Source: Institute for Nature Conservation of Serbia



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

Republic of Serbia

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

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

Republic of Serbia

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

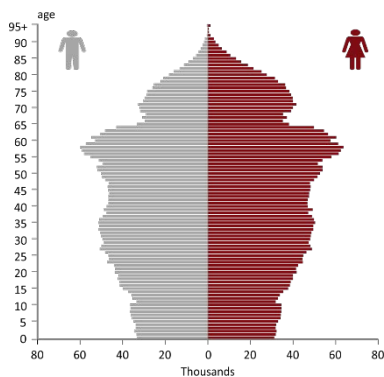
<sup>1)</sup> Indicator value changed due to the revised territorial area of the Republic of Serbia.

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

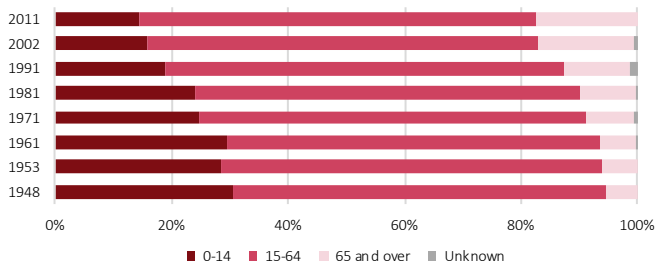
<sup>3)</sup> In 2011 Census recorded was under-coverage of census units owing to the boycott by the majority of the Albanian ethnic community in the municipalities of Preševo and Bujanovac.



## RS population by age and sex, 2011 Census



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



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

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

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

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

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

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

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

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

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



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

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

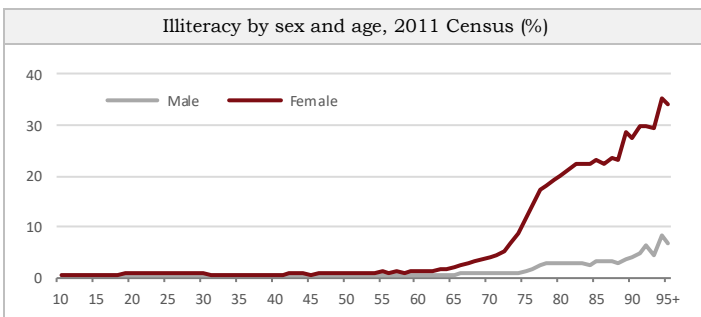
<sup>1)</sup> 2011 Census was not conducted on the territory of the AP Kosovo and Metohija. In the municipalities of Presevo and Bujanovac recorded was under-coverage of the census units owing to the Census boycott by the majority of the Albanian ethnic community.

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

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

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

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

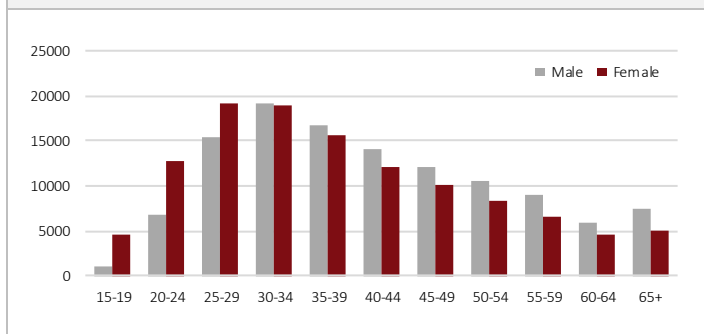


## Population aged 15 and over by formal marital status, 2011 Census <sup>1)</sup>

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

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

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

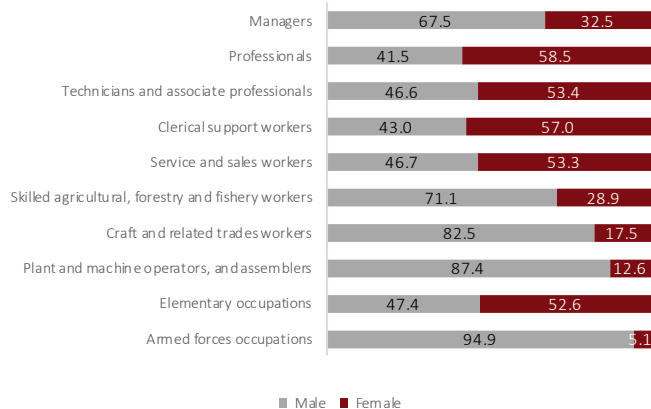


## Population by economic activity, 2011 Census <sup>1)</sup>

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

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

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



## Population changes

Republic of Serbia

Part I

	Live births	Deaths		Natural increase	Marriages	Dissolved marriages
		Total	Infants			
1953	186 267	84 894	20 186	101 373	70 875	7 952
1961	155 783	69 749	12 917	86 034	70 201	10 609
1971	151 130	76 184	8 027	74 946	77 845	10 111
1981	151 518	87 763	5 309	63 755	69 499	9 797
1991	142 641	97 598	3 079	45 043	57 704	8 372
2002	78 101	102 785	790	-24 684	41 947	9 982
2011	65 598	102 935	414	-37 337	35 808	8 251
2016	64 734	100 834	348	-36 100	35 921	9 046
2017	64 894	103 722	305	-38 828	36 047	9 262
2018	63 975	101 655	311	-37 680	36 321	9 995
2019	64 399	101 458	308	-37 059	35 570	10 899
2020	61 692	116 850	309	-55 158	23 599	8 687

## Population changes

Republic of Serbia

Part II

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



## Main contingents and indicators of population, 2020

	Republic of Serbia		
	Total	Srbija – sever	Srbija – jug
Total population	6 899 126	3 535 332	3 363 794
Average age	43.4	42.8	44.1
Ageing index <sup>1)</sup>	144.7	136.3	153.8
<b>Main population contingents</b>			
<b>Working age (15–64)</b>			
Number	4 458 276	2 304 403	2 153 873
%	64.6	65.2	64.0
<b>Adults (18+)</b>			
Number	5 700 169	2 908 374	2 791 795
%	82.6	82.3	83.0
<b>Pre-school (0–6)</b>			
Number	451 085	245 670	205 415
%	6.5	7.0	6.1
<b>Compulsory education (7–14)</b>			
Number	533 590	277 203	256 387
%	7.7	7.8	7.6
<b>Fertile age (15–49)</b>			
Number	1 496 982	794 119	702 863
%	21.7	22.5	20.9
<b>Life expectancy at birth</b>			
Male	71.4	71.5	71.2
Female	77.2	77.5	77.0

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



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

Republic of Serbia

	2018	2019	2020	2021 <sup>2)</sup>
GDP, at current prices – total, RSD million	5 072 932	5 417 724	5 502 216	6 268 714
GDP, at current prices – per capita, RSD	726 510	780 064	797 524	905 007
Mid-year population, thousand	6 982	6 945	6 899	6 927
GDP - total, USD million	50 588.5	51 462.0	53 414.6	63 006.9
GDP – per capita, USD	7 245	7 410	7 742	9 096
Average exchange rate, USD	100.2784	105.2762	103.0095	99.4925
GDP - total, EUR million	42 892.2	45 970.4	46 796.4	53 317.5
GDP – per capita, EUR	6 143	6 619	6 783	7 697
Average exchange rate, EUR	118.2716	117.8524	117.5777	117.5733
Real growth rate (%)	4.5	4.2	-0.9	7.4
GNI, at current prices - total, RSD million	4 811 101	5 124 275	5 333 112	...
GNI - total, USD million	47 977	48 674	51 773	...
GNI - total, EUR million	40 678	43 480	45 358	...

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

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



## Gross domestic product use <sup>1)</sup>

Republic of Serbia

	2018	2019	2020	2021 <sup>2)</sup>
RSD mill.				
Gross domestic product	5 072 932	5 417 724	5 502 216	6 268 714
Final consumption expenditure	4 361 238	4 598 474	4 626 691	5 153 273
Individual consumption expenditure – total	3 988 687	4 201 576	4 210 393	...
Individual consumption expenditure – household sector	3 463 108	3 634 392	3 603 674	4 035 212
Individual consumption expenditure – NPISHs <sup>3)</sup> sector	59 085	62 268	60 796	65 524
Individual consumption expenditure – general govt. sector	466 494	504 915	545 923	1 052 537
Collective consumption expenditure	372 550	396 897	416 298	...
Gross fixed capital formation	1 016 664	1 217 877	1 180 061	1 409 464
Changes in inventories	132 602	142 190	151 276	198 008
Statistical discrepancy	-	-	-	-
Acquisitions less disposals of valuables	5.4	6.3	6.0	6.0
Exports of goods and services	2 558 511	2 765 737	2 654 180	3 410 214
Imports of goods and services	2 996 089	3 306 561	3 109 998	3 902 250
Share. %				
Gross domestic product	100.0	100.0	100.0	100.0
Final consumption expenditure	86.0	84.9	84.1	82.2
Individual consumption expenditure - total	78.6	77.6	76.5	...
Individual consumption expenditure – household sector	68.3	67.1	65.5	64.4
Individual consumption expenditure – NPISHs <sup>3)</sup> sector	1.2	1.1	1.1	1.0
Individual consumption expenditure – general govt. sector	9.2	9.3	9.9	16.8
Collective consumption expenditure	7.3	7.3	7.6	...
Gross fixed capital formation	20.0	22.5	21.4	22.5
Changes in inventories	2.6	2.6	2.7	3.2
Statistical discrepancy	-	-	-	-
Acquisitions less disposals of valuables	0.0	0.0	0.0	0.0
Exports of goods and services	50.4	51.0	48.2	54.4
Imports of goods and services	59.1	61.0	56.5	62.2

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

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

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

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



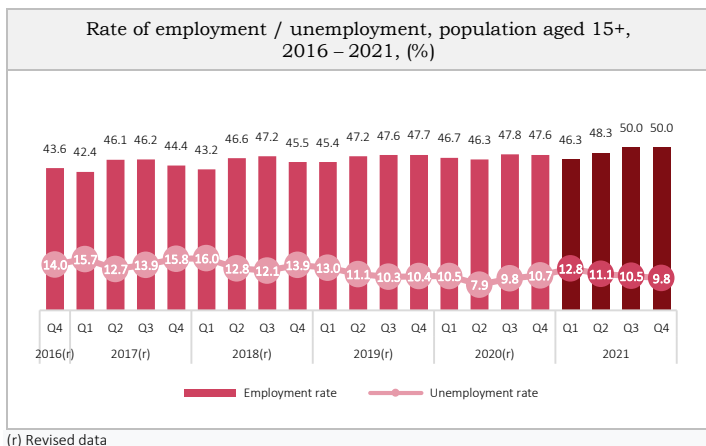
## Labour Force Survey, new methodology, 2021

Starting from 2021 the Statistical Office of the Republic of Serbia adopted the new, redesigned methodology for the Labour Force Survey.

The LFS redesign was based on and made in accordance with the Regulation of the European Union and the Council that came into force on 1 January 2021. The new Regulation stipulates that the EU member states are obligated to adopt the new redesigned concepts and methods for the Labour Force Survey starting from 2021. The Republic of Serbia, i.e. SORS as a member of the European statistical system, along with other European countries strives to achieve compliance with the changes in the European legislation.

More information concerning the methodological changes and their effects on the main statistical indicators are available in the special publication *Labour Force Survey, new methodology, 2021*.

To ensure the comparability of the major indicators for the period before 2021, the revision of the most important indicators for the period 2010 – 2020 was carried out. The data are available in the database at the SORS website.



## Registered employment <sup>1)</sup>, 2017–2021

Republic of Serbia

Annual average

	2017	2018	2019	2020	2021
<b>Employed persons, total</b>					
(Employees at legal entities, persons individually running business, unincorporated enterprises and their employees)	1 977 357	2 052 546	2 101 267	2 149 099	2 212 631
A Agriculture, forestry and fishing	33 067	32 679	30 875	30 345	29 801
B Mining and quarrying	24 466	24 246	25 989	28 969	27 286
C Manufacturing	417 564	444 888	459 647	476 040	493 413
D Electricity, gas, steam and air conditioning supply	28 724	27 295	26 015	24 643	25 305
E Water supply, sewerage, waste management and remediation activities	34 716	34 123	35 602	35 518	35 261
F Construction	89 202	96 292	105 671	115 291	120 811
G Wholesale and retail trade and repair of motor vehicles and motorcycles	332 725	339 150	342 569	348 027	359 505
H Transportation and storage	115 079	117 773	119 006	122 868	124 962
I Accommodation and food service activities	71 744	78 487	82 459	85 840	86 738
J Information and communication	59 650	63 935	67 481	73 882	82 739
K Financial and insurance activities	43 746	43 774	43 849	43 736	42 889
L Real estate activities	5 743	6 189	6 747	7 249	7 810
M Professional, scientific and technical activities	96 284	101 825	108 935	108 902	115 508
N Administrative and support service activities	91 557	105 046	106 631	101 644	105 944
O Public administration and defence; compulsory social security	159 118	158 049	157 403	157 733	156 711
P Education	139 979	140 794	146 247	151 217	155 268
Q Human health and social work activities	159 688	160 595	156 920	155 240	159 353
R Arts, entertainment and recreation	33 848	35 340	36 595	37 892	39 001
S Other service activities	40 458	42 068	42 626	44 063	43 965
<b>Registered individual farmers</b>	<b>85 231</b>	<b>78 533</b>	<b>71 868</b>	<b>66 376</b>	<b>60 960</b>

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



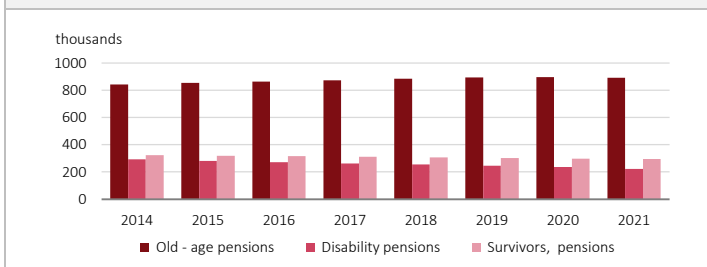
## Pension beneficiaries. 2017–2021

As of 31 December

	2017	2018	2019	2020	2021
Pension and disability insurance beneficiaries, all categories	1 720 435	1 715 152	1 708 293	1 692 282	1 660 460
Old-age pension	1 076 890	1 085 144	1 092 000	1 090 631	1 078 359
Disability pension	293 835	285 192	276 286	265 901	250 074
Survivors' pension	349 710	344 816	340 007	335 750	332 027
Beneficiaries pursuant to pension and disability insurance of employed, total	1 445 724	1 443 397	1 439 962	1 429 022	1 405 814
Old-age	872 512	883 184	892 470	895 225	890 078
Disability	262 277	253 773	245 225	235 545	221 103
Survivors' pension	310 935	306 440	302 267	298 252	294 633
Beneficiaries pursuant to pension and disability insurance of agricultural workers, total	185 791	178 400	170 582	162 183	150 601
Old-age	150 496	143 941	137 306	129 944	119 816
Disability	13 701	13 557	13 231	12 847	12 118
Survivors' pension	21 594	20 902	20 045	19 392	18 667
Beneficiaries pursuant to pension and disability insurance of individual entrepreneurs, total	88 920	93 355	97 749	101 077	104 045
Old-age	53 882	58 019	62 224	65 462	68 465
Disability	17 857	17 862	17 830	17 509	16 853
Survivors' pension	17 181	17 474	17 695	18 106	18 727

Source: Pension and Disability Insurance Fund.

### Pension beneficiaries – total, 2014–2021, as of 31/12



## Average pensions, 2017–2021

Republic of Serbia (annual average)

RSD

	2017*	2018*	2019*	2020*	2021
Pension and disability insurance beneficiaries, all categories	23 913	25 317	26 343	27 759	29 377
Old-age pension	25 614	27 141	28 390	29 879	31 602
Disability pension	23 037	24 230	24 843	26 065	27 477
Survivors' pension	19 476	20 551	21 069	22 257	23 634
Beneficiaries pursuant to pension and disability insurance of employed, total	25 632	27 099	28 202	29 656	31 307
Old-age	28 154	29 731	31 067	32 564	34 284
Disability	23 613	24 865	25 538	26 812	28 282
Survivors' pension	20 369	21 487	22 031	23 262	24 686
Beneficiaries pursuant to pension and disability insurance of agricultural workers, total	10 701	11 216	11 254	11 886	12 616
Old-age	11 052	11 585	11 624	12 280	13 043
Disability	11 464	11 996	12 005	12 653	13 417
Survivors' pension	7 781	8 165	8 214	8 706	9 295
Beneficiaries pursuant to pension and disability insurance of individual entrepreneurs, total	24 040	25 194	25 796	26 926	28 206
Old-age	26 191	27 352	27 993	29 079	30 364
Disability	23 378	24 408	24 770	25 804	27 019
Survivors' pension	18 167	19 028	19 318	20 319	21 486

Source: Pension and Disability Insurance Fund.

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



## Unemployed persons by educational attainment <sup>1)</sup>, 2020 and 2021

As of 31 December

	2020	2021
<b>Total</b>	<b>491 347</b>	<b>477 564</b>
University, vocational higher, and secondary vocational education	222 304	212 020
Highly skilled and skilled	103 955	101 117
Semi-skilled and lower professional education	15 073	14 520
Unskilled	150 015	149 907
<b>Women</b>	<b>272 877</b>	<b>267 589</b>
University, vocational higher and secondary vocational education	137 879	132 131
Highly skilled and skilled	46 054	45 479
Semi-skilled and lower professional education	7 950	7 701
Unskilled	80 994	82 278

Source: National Employment Service.

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

## Average salaries and wages per employee, by sex and age groups, year 2021

Republic of Serbia

Age groups	Salaries and wages, gross, RSD			Salaries and wages, net, RSD		
	Total	Men	Women	Total	Men	Women
<b>Total</b>	<b>90 784</b>	<b>95 725</b>	<b>84 922</b>	<b>65 864</b>	<b>69 510</b>	<b>61 536</b>
15-19	57 218	58 346	54 814	41 828	42 629	40 118
20-24	67 702	69 493	64 871	49 263	50 528	47 264
25-29	86 217	89 343	82 147	62 458	64 732	59 497
30-34	93 639	100 326	85 177	67 878	72 789	61 663
35-39	95 781	104 040	86 517	69 537	75 633	62 700
40-44	96 367	104 629	87 990	70 025	76 151	63 813
45-49	93 573	100 646	86 594	67 953	73 169	62 807
50-54	89 273	95 064	83 382	64 725	68 966	60 410
55-59	87 047	89 535	84 514	63 025	64 871	61 145
60-64	91 268	89 799	93 252	66 033	65 035	67 382
65+	99 062	97 947	102 777	72 162	71 449	74 538
Unknown	138 422	0	0	101 763	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, 2014–2021

Previous year = 100

	Chain indices of nominal net average salaries and wages	Chain indices of real net average salaries and wages <sup>1)</sup>
2014	101.4	98.5
2015	99.8	97.9
2016	103.7	102.5
2017	103.9	100.9
2018*	106.5	104.4
2019	110.6	108.5
2020	109.4	107.7
2021	109.6	105.4

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

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



## Average salaries and wages, indices of nominal and real average s&w by activities, 2020 and 2021

RSD

	Average gross s&w		Indices of average gross s&w (previous year = 100)			
			Nominal		Real	
	2020	2021	2020	2021	2020	2021
Total	82 984	90 784	109.5	109.4	107.8	105.2
Agriculture, forestry and fishing	72 174	77 107	110.4	106.8	108.7	102.7
Mining and quarrying	126 362	135 475	103.7	107.2	102.1	103.1
Manufacturing	72 788	78 854	106.7	108.3	105.0	104.1
Electricity, gas, steam and air conditioning supply	136 680	136 112	108.3	99.6	106.6	95.8
Water supply, sewerage, waste management and remediation activities	75 388	81 511	115.4	108.1	113.6	103.9
Construction	72 392	78 899	106.0	109.0	104.3	104.8
Wholesale and retail trade and repair of motor vehicles and motorcycles	68 286	74 846	107.6	109.6	105.9	105.4
Transportation and storage	72 780	76 324	105.5	104.9	103.8	100.9
Accommodation and food service activities	50 837	54 556	107.4	107.3	105.7	103.2
Information and communication	163 609	195 271	122.6	119.4	120.7	114.8
Financial and insurance Activities	139 287	148 787	104.0	106.8	102.4	102.7
Real estate activities	80 534	86 768	106.7	107.7	105.0	103.6
Professional, scientific and technical activities	104 385	116 648	110.1	111.7	108.4	107.4
Administrative and support Service activities	75 350	82 963	111.9	110.1	110.1	105.9
Public administration and defence; compulsory social security	97 527	104 348	108.2	107.0	106.5	102.9
Education	84 169	87 982	107.1	104.5	105.4	100.5
Human health and social work activities	90 682	101 864	118.1	112.3	116.2	108.0
Arts, entertainment and recreation	67 106	73 788	106.1	110.0	104.4	105.8
Other service activities	62 227	66 867	108.1	107.5	106.4	103.4

\*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 (%)

	2016	2017	2018	2019
<b>Monthly average</b>				
Number of households surveyed	6 457	6 403	6 296	6 354
Number of households assessed	2 466 316	2 466 316	2 466 316	2 466 316
Members, average number	2.74	2.70	2.66	2.68
<b>Income in money and in kind – total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<b>Household income in money</b>	<b>95.6</b>	<b>96.3</b>	<b>96.6</b>	<b>96.6</b>
Regular salaries and wages	49.2	49.6	49.1	49.3
Other income	2.5	2.8	2.8	2.8
<b>Pensions (old-age, family, and other)</b>	<b>30.9</b>	<b>31.9</b>	<b>32.3</b>	<b>32.3</b>
Social insurance-based receipts	3.0	2.6	2.7	2.7
Income from agriculture, hunting and fishing	4.5	4.3	4.5	4.4
External receipts	1.1	1.1	1.2	1.1
Real estate related income	0.7	0.6	0.6	0.6
Donations and awards	1.0	0.7	0.7	0.7
Other receipts	2.7	2.7	2.7	2.7
<b>Household receipts in kind</b>	<b>4.4</b>	<b>3.7</b>	<b>3.4</b>	<b>3.4</b>
Earned receipts in kind	0.1	0.1	0.1	0.1
Natural consumption	4.3	3.6	3.3	3.3
<b>Individual consumption – total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Food and non-alcoholic beverages	34.9	34.5	34.3	34.2
Alcoholic beverages and tobacco	4.6	4.7	4.9	4.8
Clothing and footwear	5.2	5.3	5.3	5.3
Housing, water, electricity, gas and other fuels	16.7	17.1	16.7	16.7
Furnishings, household, equipment and routine household maintenance	4.4	4.4	4.2	4.2
Health	4.3	4.4	4.5	4.5
Transport	9.3	8.9	9.3	9.3
Communications	5.3	5.3	5.2	5.3
Recreation and culture	5.2	5.2	5.1	5.1
Education	1.4	1.4	1.5	1.4
Restaurants and hotels	2.8	2.9	3.1	3.2
Miscellaneous goods and services	5.9	5.9	5.9	6.0



## 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



## 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



## Chain indices of agricultural production, 2017–2019

Previous year = 100

Part I

	Agriculture, Total <sup>1)</sup>	Crop production			
		All	Crop farming	Fruit growing	Viticulture
2018	114.3	125.5	130.8	109.3	90.4
2019	98.8	101.9	101.5	102.9	109.3
2020	102.0	104.6	104.4	106.0	98.0

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

## Chain indices of agricultural production, 2017–2019

Previous year = 100

Part II

	Livestock breeding				
	All	Cattle breeding <sup>1)</sup>	Pig breeding	Sheep breeding <sup>2)</sup>	Poultry Breeding <sup>3)</sup>
2018	101.3	99.4	98.6	103.3	106.5
2019	100.9	101.2	102.5	95.2	103.8
2020	99.7	98.9	100.8	100.3	99.9

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

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

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

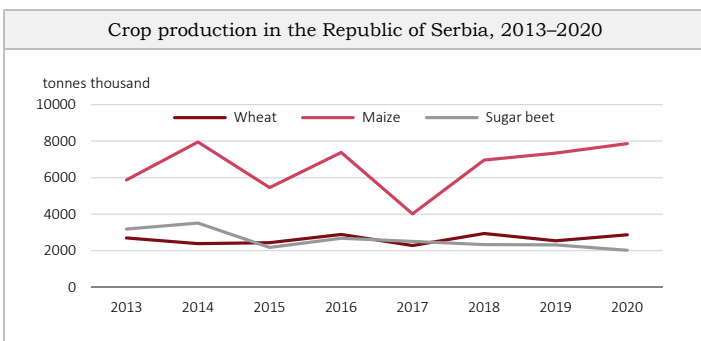


## Crop production

Republic of Serbia

	2016	2017	2018	2019	2020
Production, tonnes, thousand					
Wheat	2 885	2 276	2 942	2 535	2874
Rye	14	11	13	13	15
Maize	7 377	4 018	6 965	7 345	7873
Sunflower	621	541	734	729	637
Tobacco	8	7	7	8	9
Sugar beet	2 684	2 513	2 325	2 305	2018
Potatoes	714	589	488	702	665
Plums <sup>1)</sup>	471	331	430	559	583
Apples <sup>1)</sup>	400	379	460	500	489
Grapes	146	166	149	164	160
Yield per ha, t					
Wheat	4.8	4.1	4.6	4.4	4.9
Rye	2.9	2.4	2.8	2.6	3.2
Maize	7.3	4.0	7.7	7.6	7.9
Sunflower	3.1	2.5	3.1	3.3	2.9
Tobacco	1.5	1.4	1.2	1.1	1.3
Sugar beet	54.5	46.7	48.3	54.2	53.9
Potatoes	17.8	15.3	17.3	20.6	22.4
Plums <sup>1)</sup>	6.4	4.6	6.0	7.7	8.0
Apples <sup>1)</sup>	16.1	15.1	17.8	19.1	18.6
Grapes	6.9	7.8	7.4	8.0	8.1

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



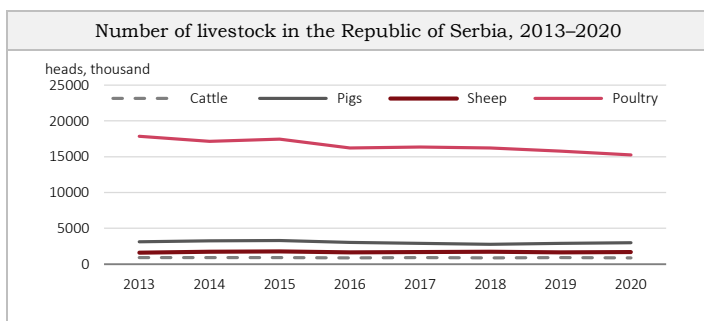
## Number of livestock

Republic of Serbia

Heads, thousand

	2016	2017	2018	2019	2020
Cattle	893	899	878	898	886
Pigs	3 021	2 911	2 782	2 903	2983
Sheep	1 665	1 704	1 712	1 642	1685
Poultry	16 242	16 338	16 232	15 780	15249

State as of 1 December.



## Meat and milk production

Republic of Serbia

	2016	2017	2018	2019	2020
<b>Meat, t thousand</b>					
Beef	77	71	76	71	75
Pork	301	307	303	298	299
Mutton	34	30	32	34	31
Poultry	88	95	106	114	115
<b>Milk <sup>1)</sup>, litres million</b>					
Total	1 483	1 481	1 475	1 478	1466

<sup>1)</sup> 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

m<sup>3</sup> thousand

	Gross wood-stock, total	By ownership		By species	
		State	Private	Broad-leaved	Conifers
2016	3 159	2 391	768	2 734	425
2017	3 217	2 299	918	2 808	409
2018	3 269	2 347	922	2 846	423
2019	3 371	2 503	868	2 936	435
2020	3 180	2 474	706	2 763	417
Beogradski region	103	100	3	101	2
Region Vojvodine	650	629	21	648	2
Region Šumadije i Zapadne Srbije	1 311	946	365	953	358
Region Južne i Istočne Srbije	1 116	799	317	1 060	56
Region Kosovo i Metohija	...	...	...	...	...

## Damage to forests, 2016–2020

Republic of Serbia

	2016	2017	2018	2019	2020
Illicit felling, m <sup>3</sup>	20 169	25 131	22 833	26 678	24 522
Other damages, caused by man <sup>1)</sup> , m <sup>3</sup>	1 591	1 196	1 852	700	1 201
By pests, m <sup>3</sup>	40 520	27 303	16 506	11 765	11 886
By inclement weather, m <sup>3</sup>	86 826	44 074	74 495	58 028	75 396
By plant diseases, m <sup>3</sup>	3 724	17 504	16 798	13 876	26 477
By fire <sup>2)</sup>					
ha	296	996	303	1 079	196
m <sup>3</sup>	37 114	6 127	707	3 397	5 147

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

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



## Primary energy production, 2019

	TJ	%
<b>REPUBLIC OF SERBIA</b>	<b>431 567</b>	<b>100</b>
Coal	285 772	66.22
Hydro Energy	36 714	8.51
Solar photovoltaic	49	0.01
Wind Energy	3234	0.75
Crude oil and natural gas liquid	38 990	9.03
Firewood, wood chips and residue <sup>1)</sup>	49 151	11.39
Natural gas	16 247	3.76
Geothermal energy	220	0.05
Biogas	1190	0.28

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

## Transformation output, 2019

	TJ	%
<b>REPUBLIC OF SERBIA</b>	<b>307 774</b>	<b>100</b>
Refined petroleum products	170 831	54.89
Thermal-electricity	95 363	30.65
Heat	33 504	10.77
Coal transformation	6 439	2.07
Charcoal, wood pellets and briquettes	5 034	1.62

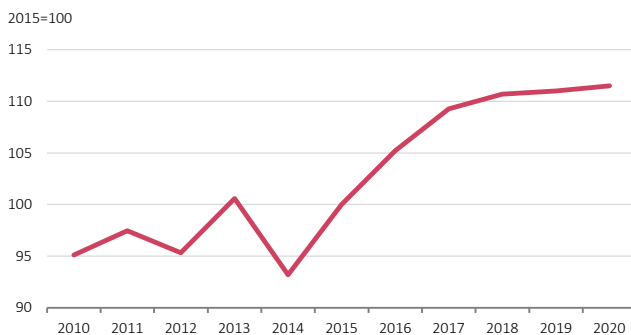
## Energy available for final consumption, 2019

	TJ	%
<b>REPUBLIC OF SERBIA</b>	<b>384 648</b>	<b>100</b>
Oil Derivates	141 471	36.79
Electricity	100 779	26.20
Natural gas	48 865	12.70
Coal and coal products	18 541	4.82
Heat	28 704	7.46
Wood fuels <sup>1)</sup>	45 636	11.86
Geothermal energy	220	0.06
Biogas	432	0.11

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



### Industrial production in Republic of Serbia, 2010–2020



### Base indices of industrial production by MIGS and sections, 2016–2020

2015 = 100

	2016	2017	2018	2019	2020
Industry total	105.2	109.3	110.7	111.0	111.5
Energy	101.7	100.0	101.2	99.5	101.7
Intermediate goods, excluded energy	111.1	121.9	126.2	129.7	129.0
Capital goods	101.6	108.8	111.0	116.9	112.9
Durable consumer goods	105.3	108.0	110.0	108.2	115.0
Non-durable consumer goods	104.7	107.3	105.9	104.1	104.5
Mining and quarrying	103.2	105.5	100.4	101.6	104.3
Manufacturing	106.0	112.7	114.9	115.1	115.2
Electricity, gas, steam and air conditioning supply	102.7	96.4	97.5	98.0	99.0



## Indices of industrial production by activities, 2016–2020

Previous year = 100

	2016	2017	2018	2019	2020
Industry total	105.2	103.9	101.3	100.3	100.4
Energy	101.7	98.4	101.2	98.3	102.2
Intermediate goods, excluded energy	111.1	109.8	103.6	102.7	99.4
Capital goods	101.7	107.0	102.0	105.3	96.6
Durable consumer goods	105.3	102.6	101.8	98.3	106.4
Non-durable consumer goods	104.7	102.5	98.7	98.3	100.4
Mining and quarrying	103.2	102.2	95.2	101.2	102.7
Mining of coal and lignite	101.7	103.1	93.2	102.9	100.7
Extraction of crude petroleum and natural gas	92.3	94.6	96.6	96.2	96.4
Mining of metal ores	114.5	103.0	98.8	96.5	117.0
Other mining and quarrying	111.9	106.6	99.3	109.2	90.7
Manufacturing	106.0	106.3	101.9	100.2	100.1
Manufacture of food products	105.6	99.7	97.9	95.8	102.7
Manufacture of beverages	100.1	104.8	102.5	97.1	95.0
Manufacture of tobacco products	122.5	110.2	92.9	94.3	104.7
Manufacture of textile	92.4	113.0	93.5	99.4	97.0
Manufacture of wearing apparel	109.9	101.4	103.0	96.6	95.2
Manufacture of leather and related products	94.4	96.6	105.9	99.2	80.7
Manufacture of wood and of products of wood and cork, except furniture	98.9	110.7	101.2	83.4	100.1
Manufacture of paper and paper products	104.7	108.0	103.9	108.5	99.4
Printing and reproduction of recorded media	109.6	87.7	101.3	95.4	93.5
Manufacture of coke and refined petroleum products	100.8	107.3	107.2	90.4	107.2
Manufacture of chemicals and chemical products	118.5	114.8	101.1	93.7	105.9
Manufacture of basic pharmaceutical products and pharmaceutical preparations	101.2	110.7	100.1	111.2	102.3
Manufacture of rubber and plastic products	114.1	112.7	101.4	103.9	96.6
Manufacture of other non-metallic mineral products	107.0	103.5	107.7	102.6	98.9
Manufacture of basic metals	112.6	112.5	110.6	105.7	82.4
Manufacture of fabricated metal products, except machinery and equipment	108.9	110.5	101.8	109.5	106.9
Manufacture of computer, electronic and optical products	115.9	105.7	83.7	108.7	111.7
Manufacture of electrical equipment	102.5	105.6	96.2	100.0	112.5
Manufacture of machinery and equipment n.e.c	96.0	129.5	108.4	103.3	93.9
Manufacture of motor vehicles, trailers and semi-trailers	93.8	92.5	95.9	99.0	77.9
Manufacture of other transport equipment	132.0	104.4	111.8	134.9	98.3
Manufacture of furniture	108.0	107.0	106.3	105.2	106.8
Other manufacturing	109.1	104.5	119.3	115.2	104.1
Repair and installation of machinery and equipment	99.3	83.8	120.7	108.2	95.4
Electricity, gas, steam and air conditioning supply	102.7	93.8	101.2	100.5	101.0
Electricity, gas, steam and air conditioning supply	102.7	93.8	101.2	100.5	101.0



## Indices of construction

Republic of Serbia

Previous year = 100

	2015	2016	2017	2018	2019	2020
Value of construction works done, current prices	120.2	107.9	111.4	118.1	136.8	95.7
Value of construction works done, constant prices	120.4	108.0	106.7	114.8	135.3	97.3

## Construction works completed

Republic of Serbia

RSD thousand

	2017	2018	2019	2020
Total	291 883 043	344 670 414	471 639 883	451 551 506
Buildings	131 619 182	159 615 624	196 245 483	203 032 911
Residential buildings	50 459 935	57 316 637	71 348 084	79 015 915
Non-residential buildings	81 159 247	102 298 987	124 897 399	124 016 996
Civil engineering works	160 150 495	184 444 790	275 002 582	248 264 571
Transport infrastructures	110 768 346	119 271 135	154 962 170	138 579 520
Pipelines, communication and electric power lines	38 449 744	46 975 179	100 727 177	81 604 552
Complex industrial structures	8 692 379	15 152 734	15 837 138	19 649 141
Other civil engineering works	2 240 026	3 045 742	3 476 097	8 431 358



## New constructions, completed

Republic of Serbia

	Unit of measure	2010–2020	2020
<b>Buildings</b>	thous. m <sup>2</sup>	25 417	5 148
<b>Residential</b>	thous. m <sup>2</sup>	14 804	2 689
One-dwelling buildings	thous. m <sup>2</sup>	2 502	383
Two- and more dwelling buildings	thous. m <sup>2</sup>	12 167	2 291
Collective buildings	thous. m <sup>2</sup>	135	15
<b>Non-residential</b>	thous. m <sup>2</sup>	10 613	2 459
Hotels and similar buildings	thous. m <sup>2</sup>	565	121
Business buildings	thous. m <sup>2</sup>	1 523	190
Wholesale and retail trade store buildings	thous. m <sup>2</sup>	1 809	607
Traffic and communication buildings	thous. m <sup>2</sup>	162	89
Industry buildings and warehouses	thous. m <sup>2</sup>	4 686	1 083
Culture, public entertainment, education, hospitals and other health care institution buildings	thous. m <sup>2</sup>	799	140
Other non-residential buildings	thous. m <sup>2</sup>	1 069	230
<b>Civil engineering works</b>			
Highways, roads and streets	km	5 153	50
Railways	km route	19	-
Gas pipelines	km	2 172	363
Water pipelines	km	1 591	124
Hot water pipelines	km	115	12
Sewerage system	km	1 345	153

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

## Constructed dwellings

Republic of Serbia

	Dwellings completed		Dwellings not completed	Constructed dwellings per 1000 inhabitants
	Number	Area, m <sup>2</sup>		
1960	26 303	1 300 901	37 320	3.4
1970	51 773	3 044 700	67 181	6.2
1980	50 267	3 607 648	127 926	5.5
1990	41 547	3 075 399	109 861	4.2
2000	10 372	809 477	39 490	1.0
2010	18 648	1 252 738	26 793	2.6
2015	10 306	659 876	10 941	1.5
2016	11 332	782 841	21 520	1.6
2017	14 080	1 018 066	23 151	2.0
2018	18 051	1 336 589	26 398	2.6
2019	24 803	1 961 112	27 866	3.6
2020	25 326	1 857 690	37 924	3.7



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

Republic of Serbia

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

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

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

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

RSD thousand

	2017	2018	2019	2020
Value of contracted works	30 715 665	23 937 378	25 354 756	39 783 168
Value of works done	36 581 243	17 561 051	19 452 665	22 260 717
Europe	27 330 039	11 860 767	13 851 150	19 635 213
Asia	3 449 717	1 410 671	3 113 880	474 828
Africa	3 925 731	2 404 015	1 753 529	1 674 208
South America	1 875 756	1 885 598	734 106	476 468

<sup>1)</sup> Value of works converted by USD exchange rate. (2017 = 117.1353 RSD; 2018=99.1155 RSD; 2019=103.3893 RSD; 2020 = 104.9186 RSD).



## External trade balance

Republic of Serbia

USD million

	2017	2018	2019	2020	2021
Exports	16 997	19 239	19 633	19 501	25 564
Imports	21 921	25 883	26 731	26 233	33 797
Deficit	-4 923	-6 644	-7 098	-6 732	-8 233
Exports-imports ratio (%)	77.5	74.3	73.4	74.3	75.6

## Top ten external trade partners of Serbia, 2021

Country	Exports		Country	Imports	
	USD million	%		USD million	%
Total	25 564	100	Total	33 797	100
Germany	3 243	12.7	Germany	4 458	13.2
Italy	2 177	8.5	China	4 309	12.7
Bosnia and Herzegovina	1 846	7.2	Italy	2 726	8.1
Romania	1 410	5.5	Russian Federation	1 806	5.3
Hungary	1 289	5.0	Turkey	1 702	5.0
Russian Federation	996	3.9	Hungary	1 423	4.2
China	972	3.8	Poland	1 108	3.3
Montenegro	969	3.8	Romania	1 001	3.0
North Macedonia	963	3.8	Bosnia and Herzegovina	919	2.7
Poland	896	3.5	France	884	2.6

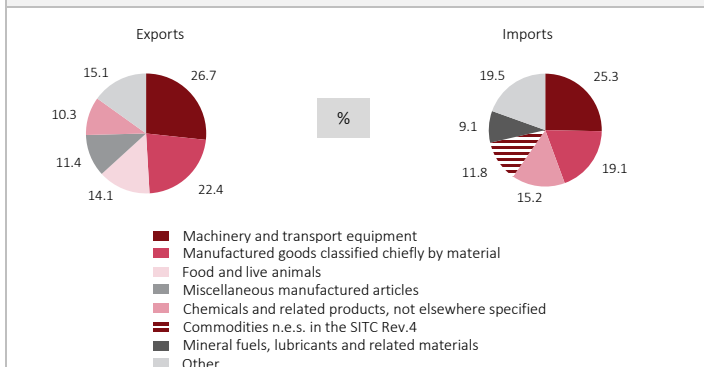


## Exports and imports of the Republic of Serbia by SITC

USD million

	Exports			Imports		
	2019	2020	2021	2019	2020	2021
<b>Total</b>	19 633	19 501	25 564	26 731	26 233	33 797
Food and live animals	2 584	2 946	3 612	1 546	1 793	2 103
Beverages and tobacco	583	690	789	382	365	420
Crude materials, inedible, except fuels	625	779	1 673	1 262	919	1 277
Mineral fuels, lubricants and related materials	525	449	744	2 874	1 927	3 063
Animal and vegetable oils, fats and waxes	222	222	307	48	64	98
Chemicals and related products, n.e.c.	1 808	1 934	2 638	3 679	4 124	5 153
Manufactured goods classified by material	4 780	4 172	5 720	5 011	4 850	6 451
Machinery and transport equipment	5 575	5 525	6 827	6 990	6 886	8 554
Miscellaneous manufactured articles	2 571	2 479	2 908	2 032	2 138	2 697
Commodities n.e.c. in the SITC Rev. 4	361	305	345	2 907	3 168	3 980

### Top five sections by share in exports and imports, 2021

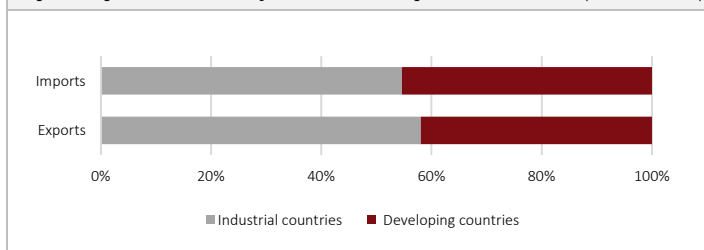


## Exports and imports structure

Republic of Serbia

	Exports		Imports	
	2020	2021	2020	2021
<b>By BEC destination</b>				
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Means of labour	11.5	10.5	15.1	13.9
Reproduction	58.1	61.8	51.8	55.1
Consumables	30.4	27.7	22.0	19.7
Unclassified by BEC	0.0	0.0	11.1	11.3
<b>By national economic development</b>				
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Industrial countries	57.3	58.0	56.8	54.6
EU	90.5	90.7	91.1	91.2
EFTA	1.9	1.7	2.7	3.0
Other developed countries	7.7	7.6	6.2	5.8
Developing countries	42.7	42.0	43.2	45.4
<b>By type of organization</b>				
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Limited liabilities company	87.1	87.4	83.8	83.2
Joint stock company, open type	0.0	0.0	0.0	0.0
Joint stock company, other	-	-	-	-
Public enterprise	0.8	0.5	2.2	2.3
Unincorporated enterprises, sole proprietorships	1.0	1.0	0.9	0.9
Partnerships	0.0	0.0	0.0	0.0
Other organization forms	11.1	11.1	13.0	13.5

### Export-imports structure by national development level, 2021 (USD million)



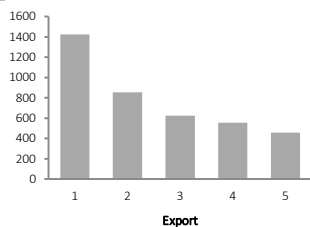
## Top ten external trade items, by NFTS, 2021

Republic of Serbia

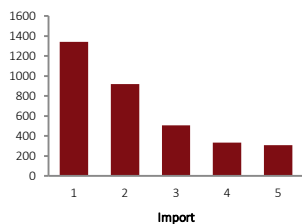
Product	Exports		Product	Imports	
	USD million	% of total share		USD million	% of total share
<b>Total</b>	<b>25 564</b>	<b>100</b>	<b>Total</b>	<b>33 797</b>	<b>100</b>
Ignition wiring sets of a kind used in vehicles, aircraft or ships	1 422	5.6	Petroleum oils and oils obtained from bituminous minerals, crude	1 341	4.0
Copper ores and concentrates	855	3.3	Medicaments, n.e.s., put up for retail sale	976	2.9
Tyres, new pneumatic, used on motor cars	623	2.4	Natural gas, in the gaseous state	505	1.5
Maize, other	557	2.2	Other parts and accessories of the motor vehicles	389	1.2
Flat-rolled products of iron or non-alloy steel, hot-rolled not clad, width>=600mm, in coils	473	1.8	Other electric conductors, voltage not exceeding 1000V	384	1.1
Refined copper	470	1.8	Telephones for cellular networks or for other wireless networks	333	1.0
Raspberries, frozen, without sugar	426	1.7	Gas oils	313	0.9
Surface-active washing or cleaning preparations.n.e.s., put up for retail sale	418	1.6	Motor cars, diesel or semi-diesel.of a cylinder capacity exceeding 1500 cm3 but not 2500cm3	308	0.9
Other electric conductors, for a voltage not exceeding 1000V	259	1.0	Wire of refined copper	279	0.8
Parts of the seats of sub-group 821.1	256	1.0	Coke and semi-coke of coal	245	0.7



### Top five products in ET, by CT, 2021 (USD million)



1. Ignition wiring sets and other wiring sets for vehicles
2. Copper ores and concentrates
3. New pneumatic tyres, of rubber, new, for motor cars
4. Maize, excluding seed
5. Copper, refined, in the form of cathodes and 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. Telephones for cellular networks or other wireless networks
5. Gas oils, for other purposes, sulphur=<0,001%, not bio-diesel



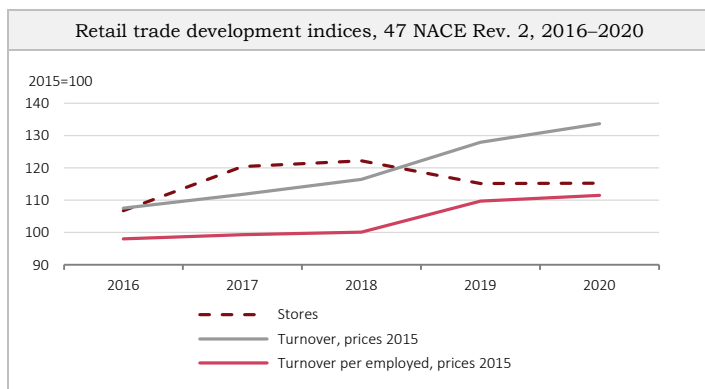
## Stores and turnover in trade, 2016–2020

Republic of Serbia

	Retail trade, 47 NACE Rev. 2			Turnover, current prices, RSD million	
	Stores <sup>1)</sup>	Turnover <sup>2)</sup> , RSD mill.	Turnover per store, RSD thousand <sup>2)</sup>	Wholesale trade, 46 NACE Rev. 2	Wholesale and retail trade of motor vehicles, 45 NACE Rev. 2
2016	67 079	1 366 591	20 373	2 273 878	250 054
2017	75 645	1 419 505	18 765	2 452 671	285 366
2018	76 767	1 479 275	19 270	2 660 420	312 939
2019	72 398	1 625 064	22 446	2 810 411	347 750
<b>2020</b>	<b>72 436</b>	<b>1 697 837</b>	<b>23 439</b>	<b>2 674 028</b>	<b>327 224</b>
Srbija – sever	38 395	1 041 944	27 137	2 262 062	244 737
Srbija – jug	34 041	655 893	19 268	411 965	82 487

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

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



## Capacities and turnover in catering trade, 2016–2020

Republic of Serbia

	Accommodation establishments	Rooms	Beds, total	Beds, staying	Turnover, total RSD million
2016	853	46 362	109 469	104 178	72 242
2017	919	44 813	106 029	95 812	79 263
2018	1 012	48 190	114 771	108 398	87 687
2019	1 105	50 110	121 289	111 320	97 553
2020	1 116	48 286	119 417	111 443	73 440
SRBIJA – SEVER	513	18 713	41 600	39 191	52 738
SRBIJA – JUG	603	29 573	77 817	72 252	20 702

## Tourist arrivals and overnight stays, 2016–2020

Thousand

	Arrivals		Overnight stays		Average stay, days
	Total	Domestic	Total	Domestic	
2016	2 754	1 472	7 534	4 795	2.7
2017	3 086	1 589	8 325	5 150	2.7
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
SRBIJA – SEVER	600	299	1 693	919	2.8
SRBIJA – JUG	1 220	1 075	4 508	4 018	3.7



## Infrastructure and capacities

Republic of Serbia

	2016	2017	2018	2019	2020
<b>Land Transport</b>					
<b>Railway transport</b>					
Railway line construction length, km	3 739	3 735	3 724	3 763	3 354
Of which: electrified	1 279	1 278	1 272	1 272	1 290
Passenger coaches	867	680	542	467*	464
Passenger seat, thousand	59	48	30	28	28
Freight vehicles	7 277	6 781	6 589*	5 661*	4 789
Carrying capacity, thousand t	411	342	295	258*	248
Engine power, thousand kW	879	716	678*	820*	839
<b>Road transport</b>					
Roads, km of which:	46 220	44 057*	44 749	44 768	44 908
Modern track	30 362*	29 206*	29 681	30 112	30 519
Crushed stone path	7 614	7 537	7 905	7 819	7 340
Beaten earthen path	7 503	7 496	7 163	6 837	7 049
Motorcoaches, buses, number	2 197	2 408	2 585	2 545	3 553
Seats, thousand	106	117	125	123	166
Motor power, thousand kW	489	567	638	611	816
Freight cars and articulated vehicles, number	9 552	10 064	13 014	14 691	18 302
Freight capacity, thousand t	120	126	167	182	262
Motor power, thousand kW	1 458	1 474	1 954	2 249	2 848
<b>City transport</b>					
Passenger seats, thousand	420	426	411	416	378
Bus	363	368	354	359	322
Trolleybuses	14	14	14	14	13
Tram streetcars	43	44	43	43	43
<b>Pipeline transport</b>					
Oil pipeline length, km	279	280	280	280	280
Gas pipeline length, km	1 517	1 482	1 482	1 482	1 482
<b>Waterway transport</b>					
<b>Inland waterway transport <sup>1)</sup></b>					
Navigable rivers and canals, km <sup>2)</sup>	1 593	1 593	1 593	1 593	1 593
Freight vessel	147	147	118	107	110
Carrying capacity, thousand t	171	171	141	118	122
Pusher vessels and tugs	19	19	18	17	17
Power, thousand kW	22	22	22	21	22

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

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



## Infrastructure and capacities (continued)

Republic of Serbia

	2016	2017	2018	2019	2020
<b>Air transport</b>					
Airport	2	2	2	2	2
Jets	18	19	20	20	20
Passenger seats	1 387	1 392	1 405	1 405	1 405
Net carrying capacity, t	352	362	497	370	207
<b>Postal activities and telecommunications</b>					
Post offices	1 535	1 549	1 553	1 587*	1 637
Telephone subscribers, thousand	2 298	2 482	2 435	2 420	2 349
Mobile subscribers, number, thousand	9 094	8 622	8 431	8 454	8 261

## Passengers and goods transport

Republic of Serbia

	2016	2017	2018	2019	2020
Transported passengers, thousand <sup>1)</sup>	65 247	60 930	63 408	63 013	43 517
Passenger km, mill. <sup>1)</sup>	7 728	7 835	8 301	8 148	4 458
Transported goods, thousand t <sup>2)</sup>	29 428	30 003	32 371	34 758	27 739
Tonne kilometres, mill. <sup>2)</sup>	9 266	10 042	11 266	12 771	11 042

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

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

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

Republic of Serbia

	2016	2017	2018	2019	2020
Mopeds	24 384	24 837	24 075	32 504	35 487
Motorcycles	40 007	41 596	38 315	39 515	41 535
Passenger cars	1 888 295	1 968 787	1 999 753	2 083 753	2 164 818
Buses, motor coaches	9 626	9 929	9 880	10 441	9 900
Freight vehicles	140 110	223 629	228 900	241 241	255 954
Road tractors	15 414	...	...	...	...
Trailers and semi-trailers	38 812	154 310	154 115	83 971	87 350
Special purpose motor vehicles	8 644	9 439	8 979	4 586	2 458



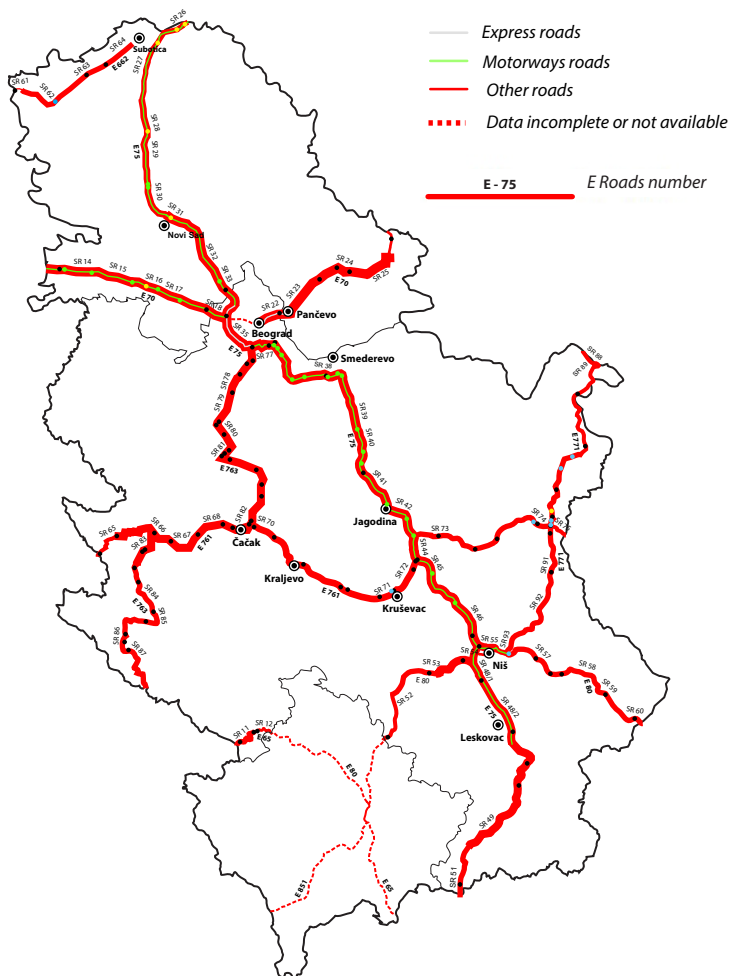
## Accompanying and auxiliary activities

Republic of Serbia

	2016	2017	2018	2019	2020
<b>Railway transport</b>					
Departed passengers, thousand	5 931	5 485	4 906	4 075	2 589
Loaded goods, mill. t	6.1	5.8	6.5	6.1	5.8
Unloaded goods, mill. t	6.6	6.7	6.5	6.2	5.4
Goods in transit, mill. t	2.9	3.1	3.0	2.5	2.4
<b>Pipeline transport</b>					
Turnover volume	5 486	5 947	6 161	5 728	5 745
Inland traffic	1 919	1 816	1 799	1 576	1 662
Exports	-	-	-	-	-
Imports	3 567	4 131	4 362	4 004	4 083
Transit	136	136	133	148	180
<b>Inland waterway transport</b>					
Total turnover, thousand t	8 420*	7 111	8 570	10 821	9 369
Turnover volume	7 278*	6 392	7 452	9 736	8 164
Domestic turnover, unloading	1 142	720	1 118	1 085	1 205
Exports	2 457*	1 918	2 314	3 591	3 753
Imports	3 679*	3 754	4 020	5 060	3 206
Transit	3 846*	3 351	2 844	3 642	3 437
<b>Air transport</b>					
Total passenger traffic, thousand	5 050	5 673	5 989	6 581	2 057
Domestic traffic, departed	0	0	0	0	0
International traffic	5 050	5 673	5 989	6 581	2 057
Arrived	2 517	2 829	2 992	3 282	1 031
Departed	2 533	2 844	2 997	3 299	1 026
<b>Cross-border traffic of road motor vehicles – entered</b>					
Passenger cars	7 726 862	7 790 271	9 612 089	9 494 314	5 092 524
Buses, motor coaches	146 554	153 329	177 820	177 496	65 870
Motorcycles	10 378	10 852	13 551	13 000	2 343
Freight vehicles	536 383	590 297	631 907	664 663	676 759
Freight vehicles, transit	...	...	...	...	...
<b>Traffic accidents with casualties</b>					
Road accidents, number	14 382	14 691	14 142	14 134	12 239
Casualties (persons killed and injured)	21 212	21 717	21 198	20 725	17 596
<b>Overloading</b>					
Overloaded goods, thousand t	8 080	6 763	8 314	9 838	9 310
Handled goods	9 188	7 994	10 225	11 700	11 850
Mechanically	9 128	7 970	10 217	11 695	11 848
<b>Post activities and telecommunications</b>					
Letter mails, mill.	278	286	283	263	258
Parcels posted, thousand	693	921	1 003*	1 140	905
Payment traffic operations, thousand	147 702	135 691	123 429	110 986	84 762
Fixed telephone traffic, min. mill.	5 836	4 995	4 083	3 375*	3 495
Mobile network, min. mill.	16 363	16 624	17 707	19 026	22 133



## Major traffic arteries in the Republic of Serbia



## Total turnover in ports, 2020

t

Republic of Serbia – Total	9 368 848
Apatin	3 701
Bačka Palanka	337 110
Beograd	610 300
Beočin	27 744
Veliko Gradište	99 407
Vladimirci	83 092
Golubac	419 154
Žabalj	10 349
Zrenjanin	20 351
Kovin	36 549
Kula	22 838
Novi Sad	1 658 959
Odžaci	332 653
Pančevo	1 049 208
Požarevac	104 102
Prahovo	1 302 525
Ruma	17 226
Senta	49 802
Smederevo	1 978 091
Sombor	61 588
Srbobran	12 183
Sremska Mitrovica	584 628
Šabac	316 468
Šid	195 148
Other ports	35 672



## Inland waterways and ports in Serbia



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



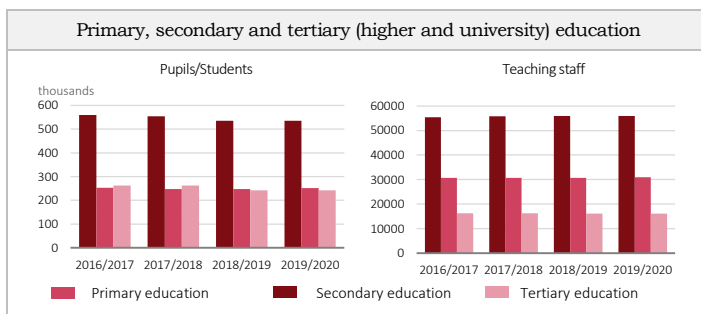
## Basic indicators of education <sup>1)</sup>

Republic of Serbia

	Classes	Teaching staff		Pupils / Students	
		Total	Full-time	Total	Graduated
1980	56 081	121 940	81 454	1 733 362	256 439
1990	58 959	96 314	90 134	1 710 178	254 923
2000	43 573	81 325	67 059	1 262 934	194 194
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	103 028	60 219	1 028 982	179 533
Основно образовање	25 675	55 857	29 920	535 594	68 803
Средње образовање	10 443	30 970	16 090	251 420	68 231
Високо образовање	-	16 201	14 209	241 968	42 499

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

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



## Language of ethnicities: schools and pupils/students

Republic of Serbia

	Regular primary education			
	Schools <sup>1)</sup>	Classes	Pupils	Teachers <sup>2)</sup>
<b>Total</b>				
2015/16	202	1 428	22 552	3 452
2016/17	270	1 911	33 807	4 515
2017/18	245	1 704	28 430	4 130
2018/19	265	1 736	29 285	4 259
2019/20	270	1 800	29 981	4 388
<b>Albanian</b>				
2015/16	48	283	5 001	748
2016/17	45	275	4 787	778
2017/18	30	223	3 758	602
2018/19	42	185	2 595	532
2019/20	48	258	4 065	786
<b>Bosnian</b>				
2015/16	-	-	-	-
2016/17	73	501	12 061	1 091
2017/18	62	378	8 719	932
2018/19	75	519	11 727	1192
2019/20	76	522	11 622	1 088
<b>Bulgarian <sup>3)</sup></b>				
2015/16	1	3	19	18
2016/17	1	3	19	18
2017/18	1	5	36	21
2018/19	1	7	52	21
2019/20	1	7	50	21
<b>Hungarian <sup>3)</sup></b>				
2015/16	104	861	13 440	1 956
2016/17	100	855	12 892	1 854
2017/18	101	814	12 030	1 862
2018/19	97	759	11 221	1 769
2019/20	97	749	10 624	1 769
<b>Roma language</b>				
2015/16	1	12	171	24
2016/17	-	-	-	-
2017/18	-	-	-	-
2018/19	-	-	-	-
2019/20	-	-	-	-

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

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

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



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

Republic of Serbia

	Regular primary education			
	Schools <sup>1)</sup>	Classes	Pupils	Teachers <sup>2)</sup>
<b>Romanian</b>				
2015/16	23	75	859	225
2016/17	24	75	837	249
2017/18	23	80	813	241
2018/19	24	78	780	242
2019/20	24	80	778	253
<b>Ruthenian</b>				
2015/16	3	29	411	72
2016/17	3	29	416	65
2017/18	3	23	371	36
2018/19	3	26	328	66
2019/20	3	26	323	59
<b>Slovakian</b>				
2015/16	14	137	2 409	296
2016/17	16	147	2 556	339
2017/18	16	150	2 449	323
2018/19	16	140	2 359	327
2019/20	15	136	2 299	305
<b>Croatian</b>				
2015/16	8	28	242	113
2016/17	8	26	239	121
2017/18	9	26	254	113
2018/19	7	22	223	110
2019/20	6	22	220	107

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

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



## Language of ethnicities: schools and students/pupils

Republic of Serbia

	Regular secondary education				Other education	
	Schools <sup>1)</sup>	Classes	Pupils/ Students	Teachers <sup>2)</sup>	Special education <sup>3)</sup>	Adult education
<b>Total</b>						
2015/16	52	453	9 380	1 629	437	88
2016/17	51	459	9 155	1 659	388	50
2017/18	52	443	8 799	1 642	348	60
2018/19	52	427	8 335	1 608	335	56
2019/20	53	427	8 207	1 592	315	32
<b>Albanian</b>						
2015/16	4	118	3 044	322	-	-
2016/17	4	115	2 885	305	-	-
2017/18	4	108	2 687	295	-	-
2018/19	4	100	2 439	289	-	-
2019/20	4	98	2 398	271	-	-
<b>Bulgarian <sup>4)</sup></b>						
2015/16	1	2	28	25	-	-
2016/17	1	4	41	25	-	-
2017/18	1	4	42	26	-	-
2018/19	1	4	42	31	-	-
2019/20	1	4	43	30	-	-
<b>Hungarian <sup>5)</sup></b>						
2015/16	38	294	5 501	1 079	417	88
2016/17	38	304	5 440	1 135	363	50
2017/18	39	294	5 364	1 131	334	60
2018/19	38	282	5 070	1 073	317	56
2019/20	39	284	5 052	1 064	301	32

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

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

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

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

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



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

	Regular secondary education				Other education	
	Schools <sup>1)</sup>	Classes	Pupils/ Students	Teachers <sup>2)</sup>	Special education <sup>3)</sup>	Adult education
<b>Romanian</b>						
2015/16	2	8	192	34	-	-
2016/17	2	8	190	34	-	-
2017/18	2	8	166	36	-	-
2018/19	2	8	132	35	-	-
2019/20	2	8	109	34	-	-
<b>Ruthenian</b>						
2015/16	1	4	61	21	5	-
2016/17	1	4	54	22	6	-
2017/18	1	4	54	22	5	-
2018/19	1	4	49	22	5	-
2019/20	1	4	43	19	3	-
<b>Slovakian</b>						
2015/16	3	16	409	63	15	-
2016/17	3	16	383	64	19	-
2017/18	2	13	298	48	9	-
2018/19	3	18	391	67	13	-
2019/20	3	18	361	74	11	-
<b>Croatian</b>						
2015/16	3	11	145	85	-	-
2016/17	2	8	162	74	-	-
2017/18	3	12	188	84	-	-
2018/19	3	11	212	91	-	-
2019/20	3	11	201	100	-	-

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

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

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



## Institutions of pre-primary education/PPE

Republic of Serbia

	Institutions	Children – users			
		Total	Children aged below 3	Children aged 3 to PPE	Children attending PPE program
2013/14	2 436	189 304	31 949	92 643	64 712
2014/15	2 492	192 005	37 701	88 813	65 491
2015/16	2 555	199 790	43 716	89 569	66 505
2016/17	2 682	206 170	45 234	95 142	65 794
2017/18	2 784	212 719	48 788	99 586	64 345
2018/19	2 844	218 567	50 645	102 855	65 067
2019/20	2 842	224 563	54 135	106 655	63 773

## Institutions promoting school standard

Republic of Serbia

	Pupils standard			Students standard		
	Institutions	Users	Credits and scholarships beneficiaries	Students centres	Users	Credits and scholarships beneficiaries
2019	59	10 471	12 258	9	16 934	17 451
2020	60	10 294	12 753	9	17 261	17 120

Source: Ministry of Education, Science and Technological Development of RS, Department of tertiary education, investments, student living standard and public procurement.

## Higher schools and universities

Republic of Serbia

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

## University graduates

Republic of Serbia

	2017	2018	2019	2020
<b>Total</b>				
All	45 406	45 280	42 499	41 395
Females	26 751	26 761	25 002	24 876
State universities	27 562	27 239	26 269	25 857
Private universities	7 462	7 756	6 860	6 887
State schools of tertiary education	9 372	9 255	8 486	7 497
Private schools of tertiary education	1 010	1 030	884	1 154



## Households with computer

%

	Republic of Serbia
2011	52.1
2012	55.2
2013	59.9
2014	63.2
2015	64.4
2016	65.8
2017	68.1
2018	72.1
2019	73.1
2020	74.3
2021	76.7

## Households with internet connection

%

	Republic of Serbia
2011	41.2
2012	47.5
2013	55.8
2014	62.8
2015	63.8
2016	64.7
2017	68.0
2018	72.9
2019	80.1
2020	81.0
2021	81.5

## Households with broadband internet connection

%

	Republic of Serbia
2011	31.0
2012	38.0
2013	43.4
2014	55.1
2015	56.0
2016	57.8
2017	61.9
2018	72.5
2019	79.6
2020	80.8
2021	81.4



## Computers use – individuals

%

	Republic of Serbia									
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Never used computer	38.9	36.6	29.7	28.7	27.2	26.1	22.8	21.7	19.8	17.6
In the last 3 months	55.0	56.9	62.5	65.8	67.1	67.7	70.7	71.9	72.4	74.8
More than 3 months and less than 1 year ago	2.0	2.2	1.8	2.2	0.9	1.3	2.0	1.4	1.5	2.1
More than 1 year ago	4.1	4.3	6.0	3.3	4.7	4.9	4.5	5.0	6.4	5.5

## Internet use – individuals

%

	Republic of Serbia									
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Never used computer	48.4	41.5	33.1	30.6	29.2	25.6	24.2	19.4	17.4	10.4
In the last 3 months	48.4	53.5	62.1	65.3	67.1	70.5	73.4	77.4	78.4	81.2
More than 3 months and less than 1 year ago	1.6	2.7	1.9	1.0	1.6	1.6	1.2	1.1	1.0	3.3
More than 1 year ago	1.6	2.3	2.9	3.1	2.2	2.3	1.2	2.1	3.2	5.1



## 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
2015	279	102	55	112	10
2016	283	109	54	110	10
2017	280	107	54	111	8
2018	279	111	54	111	3
2019	337	165	57	112	3
2020	335	159	59	113	4
Natural	63	33	13	16	1
Engineering and technology	128	93	10	23	2
Agricultural	32	14	12	6	-
Medical and health	18	6	3	9	-
Social	72	13	10	48	1
Humanities	22	-	11	11	-



## Research works (projects and studies) by sectors

Republic of Serbia

	Total	Basic research	Applied research	Experimental development
<b>Number of scientific research works</b>				
2015	11 786	5 724	4 348	1 714
2016	9 896	4 825	3 490	1 581
2017	10 093	4 694	3 705	1 694
2018	9 878	4 595	3 382	1 902
2019	10 389	4 722	3 713	1 954
2020	12 970	7 041	3 866	2 063
Non-financial sector	1 370	142	750	478
General government	3 860	2 314	954	592
Tertiary education	7 731	4 581	2 157	993
Non-profit sector	9	4	5	-

### Value of scientific research works, RSD thousand

2015	34 990 573	12 708 745	13 030 826	9 251 002
2016	37 956 275	11 550 937	14 849 463	11 555 875
2017	41 531 049	12 371 067	15 521 581	13 638 401
2018	46 615 667	14 611 296	17 324 384	14 679 987
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
Non-financial sector	19 440 794	3 291 961	11 685 480	4 463 353
General government	14 612 768	5 984 836	3 877 688	4 750 244
Tertiary education	15 789 718	7 456 288	5 418 188	2 915 242
Non-profit sector	3 852	1 127	2 725	-

## Expenditures for research works

Republic of Serbia

RSD thousand

	Total	Of which: budgetary funds
2015	34 990 573	17 610 434
2016	37 956 275	16 312 531
2017	41 531 049	17 899 912
2018	46 615 667	18 754 517
2019	48 074 119	21 856 218
2020	49 847 132	25 237 240



## 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
2015	23 629	11 695	16 338	8 044	1 920	915
2016	23 542	11 533	16 592	8 032	1 819	876
2017	22 782	11 411	16 182	8 098	1 533	778
2018	22 971	11 645	16 213	8 329	1 527	733
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
<b>Non-financial sector</b>	<b>3 317</b>	<b>1 219</b>	<b>1 563</b>	<b>554</b>	<b>766</b>	<b>284</b>
Natural	1 269	443	565	166	311	110
Engineering and technology	1 804	651	912	336	369	139
Agricultural	110	45	26	12	42	17
Medical and health	21	14	9	8	4	-
Social	113	66	51	32	40	18
<b>General government</b>	<b>5 518</b>	<b>3 155</b>	<b>3 401</b>	<b>2 113</b>	<b>311</b>	<b>149</b>
Natural	2 125	1 353	1 700	1 121	96	41
Engineering and technology	1 126	549	438	238	76	39
Agricultural	1 255	631	396	237	102	52
Medical and health	180	137	161	122	3	3
Social	397	216	335	170	7	4
Humanities	435	269	371	225	27	10
<b>Tertiary education</b>	<b>14 685</b>	<b>8 035</b>	<b>11 695</b>	<b>6 139</b>	<b>1 253</b>	<b>725</b>
Natural	2 322	1 369	1 864	1 050	200	142
Engineering and technology	3 529	1 514	2 852	1 206	322	97
Agricultural	1 128	616	809	402	82	41
Medical and health	2 988	1 797	2 566	1 505	181	127
Social	3 031	1 703	2 329	1 235	233	156
Humanities	1 687	1 036	1 275	741	235	162
<b>Non-profit sector</b>	<b>4</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>-</b>	<b>-</b>
Social	3	3	3	3	-	-



## Enterprises by innovation and size 2018 – 2020

Republic of Serbia

Enterprises by size and type	Total	Innovators	Non-innovative enterprises	Participation of innovators (%)
<b>Total</b>	<b>21 877</b>	<b>11 986</b>	<b>9 891</b>	<b>54.79</b>
Small enterprises	18 355	9 874	8 481	53.79
Medium enterprises	2 873	1 664	1 209	57.90
Large enterprises	649	448	201	69.03
Manufacturing enterprises	5 150	2 802	2 348	54.41
Enterprises providing services	16 727	9 184	7 543	54.91



## Libraries, 2020

Republic of Serbia

Part I

Type of library	Number of libraries	Collections in libraries		
		Books	Titles of periodicals	Other collections
<b>Total</b>	<b>1 850</b>	<b>35 289 642</b>	<b>572 876</b>	<b>2 533 030</b>
National	2	3 471 185	91 940	752 728
Tertiary education	147	3 675 242	299 181	391 510
Schools	1086	11 195 699	77321	211 410
Specialized	110	1 784 774	34 328	61935
Public	505	15 162 742	70 106	1 115 447

## Libraries, 2020

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
<b>Total</b>	<b>822</b>	<b>760 999</b>	<b>17 728</b>	<b>105 294</b>
National	2	78 300	3 488	8 550
Tertiary education	87	52 838	4 238	2 681
Schools	456	218 831	3 698	8 499
Specialized	50	27 780	1 043	2 336
Public	227	383 250	5 261	83 228

## Library users (members), library collections and employees, 2020

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
<b>Total</b>	<b>1 262 931</b>	<b>10 520 399</b>	<b>5 586 976</b>	<b>5 072</b>	<b>3 264</b>
National	7 284	75 628	56 004	292	292
Tertiary education	168 117	451 873	241 591	480	466
School	557 024	1 354 322	1 160 317	1 974	449
Specialized	25 314	111 818	48 964	181	112
Public	505 192	8 526 758	4 080 100	2 145	1 945

Source: National library of Serbia.



## Professional theatres

	Theatres <sup>1)</sup>	Seats <sup>2)</sup>	Performances <sup>3)</sup>	Visitors, thousand
1975/76	25	10 728	4 896	1 761
1985/86	28	12 471	4 778	1 398
2014/15	29	12 509	3 864	835
2015/16	35	13 422	4 768	995
2016/17	35	12 667	4 506	1 003
2017/18	36	13 571	4 123	983
2018/19	37	13 778	3 931	795
2019/20	39	14 006	2 638	713

Source: Since 2013/14 it is the Centre for studies in cultural development/CSCD. <sup>2)</sup> Seats and standing places.

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

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

## Radio stations

Republic of Serbia

	Radio stations				Radio program, thousand hours		
	Total <sup>1)</sup>	Public	Private	Other	Total	Music	Talk show program
1966	8	...	...	...	29	18	11
1980	52	...	...	...	136	86	50
2015	198	34	155	9	1 635	1 120	515
2016	167	22	140	5	1 382	957	425
2017	189	29	152	8	1 595	1 064	531
2018	197	34	157	6	1 679	1 171	508
2019	199	34	158	6	1 682	1 203	479
2020	191	32	149	10	1 608	1 146	462

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

## TV

Republic of Serbia

	TV stations				TV broadcast, hours	
	Total <sup>1)</sup>	Public	Private	Other	Total	Informative program
1980	3	...	...	...	7 987	2 943
1990	5	...	...	...	17 486	6 487
2015	100	17	79	4	756 729	142 333
2016	87	17	69	1	720 394	146 597
2017	120	26	90	4	966 169	204 107
2018	118	24	90	4	958 899	185 140
2019	117	25	89	3	901 256	189 327
2020	111	27	83	1	886 600	178 889

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



## Cinemas

Republic of Serbia

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

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

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

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

## Books and brochures, by editions and publishers, 2020

	Republic of Serbia							Fore- ign coun- tries
	Total <sup>1)</sup>	Srbija – sever		Srbija – jug				
		Beo- gradski region	Region Vojvo- dine	Region Šuma- dije i Zapad- ne Srbije	Region Južne i Istočne Srbije	Region Kosovo i Metoh- ija		
<b>Total</b>	<b>10 385</b>	<b>7 582</b>	<b>1 325</b>	<b>677</b>	<b>689</b>	<b>76</b>	<b>36</b>	
General	473	309	79	42	38	1	4	
Philosophy, psychology	335	274	34	15	9	2	1	
Religion, theology	278	154	28	42	40	13	1	
Social sciences, general	2 729	2 207	235	110	150	23	4	
Natural sciences	354	250	49	18	32	5	-	
Applied sciences, medicine, engineering	708	514	108	31	46	7	2	
Art	577	284	182	68	37	2	4	
Linguistics, philology and literature	4 562	3 379	540	321	285	20	17	
Archaeology, geography, biographies, history	369	211	70	30	52	3	3	

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



## Basic indicators of the system of public health services, 2011–2020

Republic of Serbia

Part I

	Physicians	Dentists	Pharmacists	Number of visits to medical doctors in outpatient clinics, thousand <sup>1)</sup>
2011	21 023	2 240	2 142	55 235
2012	21 061	2 179	2 179	53 958
2013	21 052	2 115	2 257	54 105
2014	20 567	2 014	2 188	55 337
2015	20 413	1 914	2 154	54 361
2016	19 974	1 698	2 015	54 669
2017	19 968	1 635	1 847	54 374
2018	19 937	1 609	1 738	51 342
2019	19 884	1 596	1 528	51 683
2020	20 101	1 545	1 429	38 159

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

<sup>1)</sup> Presented are visits to medical doctor in surgery and home visits.



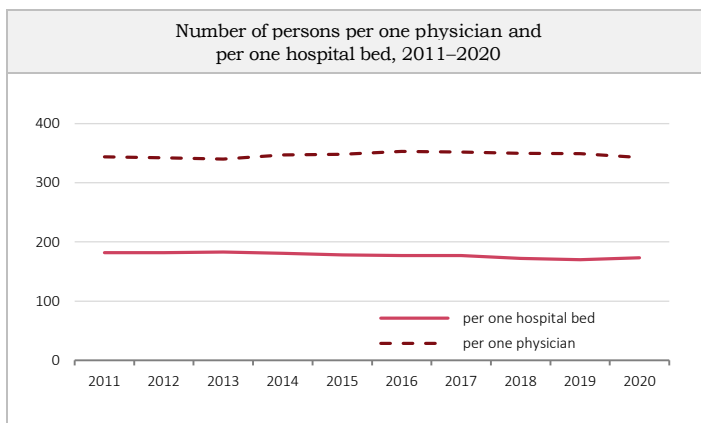
## Basic indicators of the system of public health services, 2011–2020

Republic of Serbia

Part II

	Hospital beds	Discharges	Hospitalization days, thousand	Population/persons	
				Per one physician	Per one hospital bed
2011	39 796	1 132 146	10 303	344	182
2012	39 643	1 126 382	9 949	342	182
2013	39 112	1 133 563	9 953	340	183
2014	39 333	1 129 569	9 773	347	181
2015	39 788	1 133 484	9 679	348	178
2016	39 914	1 153 756	9 675	353	177
2017	39 787	1 156 492	9 843	352	177
2018	40 662	1 166 169	9 383	350	172
2019	40 812	1 173 287	9 165	349	170
2020	39 956	810 168	6 301	343	173

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



## Health insurance, 2016–2020

Republic of Serbia

thousand

	2016	2017	2018	2019	2020
<b>Insured persons, average</b>					
Active	1 912	2 002	2 060	2 129	2 200
Pension and disability insurance beneficiaries	1 692	1 751	1 758	1 745	1 733
Temporary unemployed	34	35	35	34	31
Family members	1 499	1 469	1 424	1 417	1 392
<b>Insurance based on</b>					
<b>Sick leave</b>					
Days	2 480	2 678	2 907	3 388	3 977
Accident while working and professional disease	5	6	5	4	4
Illness	2 478	2 676	2 905	3 384	3 866
Care of family member, isolation, etc.	127	141	170	164	199
<b>Other insurance bases</b>					
Administered medicines	89 379	92 143	102 355	106 866	108 783
<b>Hospitalisation</b>					
Cases hospitalised	780	768	778	797	603
Days	10 653	10 506	10 570	10 652	7 768

Source: RS Health insurance fund.



## Criminal offence

Republic of Serbia

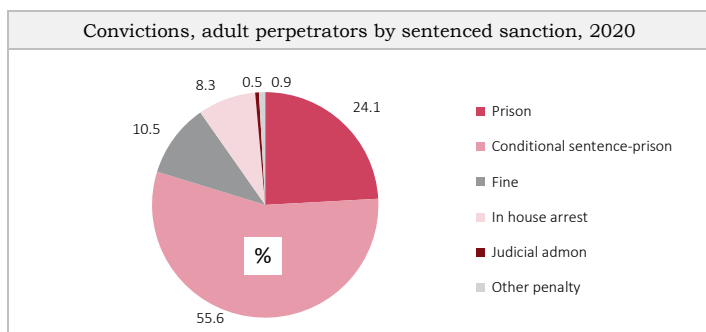
	Adults			Minors		
	Crime reports <sup>1)</sup>	Charges	Convictions	Crime reports	Charges	Convictions
2016	96 237	39 610	32 525	3 643	2 505	2 032
2017	90 348	37 752	31 759	3 465	1 992	1 633
2018	92 874	35 146	29 750	2 744	1 849	1 548
2019	92 797	32 360	28 112	2 903	2 002	1 676
2020	74 394	29 389	25 487	2 524	1 750	1 239

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

## Economic violations

Republic of Serbia

	Responsible persons			Legal entities		
	Reports	Charges	Convictions	Reports	Charges	Convictions
2016	5 956	1 953	1 341	5 726	1 686	1 273
2017	6 413	5 850	4 604	6 196	5 433	4 534
2018	9 731	7 190	5 518	9 194	6 859	5 337
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





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## Earth – geographical features

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

## Oceans and seas

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



## Highest mountain peaks

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

## Largest lakes

	m <sup>2</sup> thousand
Caspian Sea	394
Superior l.	82
Viktoria l.	69
Aral l.	64
Huron l.	60
Michigan l.	58
Tanganika l.	33
Baikal l.	31
Great Bear l.	31
Great Rhone l.	28

## Longest rivers

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



## World countries: Area and capital city

By area

Thousand km<sup>2</sup>

State <sup>1)</sup>	Area <sup>2)</sup>	Capital <sup>3)</sup>
<b>Europe</b>		
Russian Federation	17 098	Moscow
Ukraine	604	Kiev
France	552	Paris
Spain	506	Madrid
Sweden	439	Stockholm
Germany	357	Berlin
Finland	338	Helsinki
Norway	386	Oslo
Poland	313	Warsaw
Italy	302	Rome
United Kingdom	242	London
Romania	238	Bucharest
Belarus	208	Minsk
Greece	132	Athens
Bulgaria	111	Sofia
Iceland	103	Reykjavik
Hungary	93	Budapest
Portugal	92	Lisbon
<b>Serbia</b>	<b>88</b>	<b>Belgrade</b>
Austria	84	Vienna
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

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

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

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



## World countries: Area and capital city (continued)

By area

Thousand km<sup>2</sup>

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

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

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

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

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



## World countries: Area and capital city (continued)

By area

Thousand km<sup>2</sup>

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

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

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

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

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



## World countries: Area and capital city (continued)

By area

Thousand km<sup>2</sup>

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

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

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

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

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



## World countries: Area and capital city (continued)

By area

Thousand km<sup>2</sup>

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

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

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

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

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



## International overview <sup>1)</sup>: Statistics of population, 2019

Country	Population number, thousand	Natural increase, per 1000 inhabitants	Infant deaths, per 1000 live births	Life expectancy at birth	
				Male	Female
<b>Europe</b>					
Austria	8 880	0.2	2.9	...	...
Belgium	11 456	0.6	3.7	79.6	84.0
Belarus <sup>3)</sup>	9 483	-2.7	2.5	69.3	79.5
Bulgaria	6 976	-6.7	5.6	71.5	78.5
United Kingdom	66 797	1.6	3.9	79.4	83.1
Greece	10 722	-3.8	3.7	78.7	83.6
Estonia	1 327	-1.0	...	74.4	82.7
Italy	59 729	-3.6	2.8	81.1	85.4
Latvia	1 914	-4.7	3.4	70.8	79.9
Lithuania	2 794	-3.9	3.3	71.5	81.0
Hungary	9 771	-3.8	3.6	72.9	79.3
Germany	83 093	-1.9	3.2	78.6	83.4
Portugal <sup>3)</sup>	10 284	-2.5	3.3	77.8	83.4
Romania	19 376	-3.1	5.8	72.4	79.5
Russian Federation	...	...	...	...	...
Slovakia	5 454	0.7	5.1	74.3	80.8
Slovenia	2 089	-0.6	2.1	78.5	84.2
Serbia <sup>2)</sup>	6 945	-5.3	4.8	73.1	78.3
Ukraine <sup>3)</sup>	42 386	-6.5	7.1	...	...
Finland	5 492	-1.5	2.1	79.2	84.5
France	64 822	1.8	3.6	79.8	85.6
Netherlands <sup>3)</sup>	17 232	0.9	3.5	80.3	83.4
Croatia <sup>3)</sup>	4 088	-3.9	4.2	74.9	81.5
Czech Republic	10 669	0.0	2.6	76.3	82.1
Switzerland	8 606	2.1	3.3	81.8	85.5
Sweden <sup>3)</sup>	10 120	2.3	2.0	80.9	84.3
Spain	47 105	-1.2	2.6	80.9	86.2
<b>Asia</b>					
Japan	126 265	-4.1	1.9	81.4	87.5
China	1 397 715	...	...	...	...
<b>Africa</b>					
Algeria	43 413	...	...	77.2	78.6
Egypt	98 902	17.5	15.7	72.7	75.1
<b>America</b>					
Brazil <sup>3)</sup>	208 495	8.2	10.3	...	...
Mexico	126 578	10.7	10.8	72.2	78.0
United States of America	328 240	2.7	5.6	...	...
Canada	37 593	2.3	4.4	80.1	84.2
<b>Oceania</b>					
Australia	25 366	5.4	3.3	80.9	85.0
New Zealand	4 979	5.1	4.5	80.0	83.5

<sup>1)</sup> Source: UN Demographic Yearbook 2020 [https://unstats.un.org/unsd/demographic-social/products/dyb/dyb\\_2020/](https://unstats.un.org/unsd/demographic-social/products/dyb/dyb_2020/)

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

<sup>3)</sup> Data for 2018.



## Gross domestic product at market prices, 2020 <sup>1)</sup>

Estimates

	Total, USD million	Gross domestic product expenditure <sup>2)</sup> , %			
		House- hold final consump- tion ex- penditure	General government final con- sumption expenditure	Gross capital formation	External balance of goods and services
<b>Europe</b>					
Austria	433 258	50	21	26	3
Belgium	521 861	50	25	24	1
Bosnia and Herzegovina	19 801	75	21	23	-15
Bulgaria	69 888	59	19	20	1
United Kingdom	2 764 198	61	22	17	0
Greece	188 835	70	23	15	-8
Denmark	356 085	46	25	23	6
Italy	1 888 709	58	21	18	4
Hungary	155 808	50	21	27	2
North Macedonia	12 264	67	17	30	-13
Germany	3 846 414	51	22	21	6
Norway	362 522	44	27	30	0
Poland	596 618	57	19	17	7
Portugal	228 539	64	19	19	-2
Russian Federation	1 483 498	52	18	24	5
Slovenia	53 590	50	21	20	9
Serbia <sup>3)4)</sup>	53 415	65	19	24	-8
Finland	269 751	51	24	24	0
France	2 630 318	53	25	24	-2
Netherlands	913 865	42	26	22	10
Croatia	57 204	59	24	24	-7
Montenegro	4 789	80	23	33	-35
Czech Republic	245 349	46	22	26	7
Switzerland	752 248	51	12	28	9
Sweden	541 064	44	27	25	5
Spain	1 281 485	56	22	21	1

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

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

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

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



Gross domestic product at market prices, 2020 <sup>1)</sup>  
(continued)

Estimates

	Total, USD million	Gross domestic product expenditure <sup>2)</sup> , %			
		House- hold final consump- tion ex- penditure	General government final con- sumption expenditure	Gross capital formation	External balance of goods and services
<b>Asia</b>					
Azerbaijan	42 607	61	16	24	-1
Israel	407 101	50	24	22	5
India	2 664 749	60	11	31	-1
Indonesia	1 058 424	59	9	32	1
Iran	939 316	47	15	39	-5
Japan	5 057 759	53	21	26	0
China	14 722 801	38	16	44	3
Malaysia	336 664	61	13	20	6
Pakistan	257 829	79	13	15	-7
Thailand	501 795	53	18	24	5
Turkey	720 098	57	15	27	-4
Philippines	361 489	75	15	17	-8
<b>Africa</b>					
Algeria	147 689	47	20	43	-9
Ghana	68 532	76	8	19	-4
South Africa	302 141	60	23	12	5
Morocco	114 724	58	21	28	-8
Mauritania	7 916	57	13	42	-12
<b>North and Central America</b>					
Guatemala	77 605	84	12	13	-8
Canada	1 644 037	57	23	23	-2
Mexico	1 073 439	64	13	19	2
United States of America	20 893 746	67	15	21	-3
<b>South America</b>					
Argentina	383 067	64	16	14	3
Brazil	1 444 733	63	20	15	1
Venezuela	106 359	78	8	8	6
Ecuador	98 808	60	15	23	2
Colombia	271 347	70	18	19	-6
Panama	52 938	51	12	41	-4
Uruguay	53 629	61	18	17	4
Chile	252 940	59	16	20	5
<b>Oceania</b>					
Australia	1 423 473	52	21	23	4
New Zealand	212 044	58	21	22	0

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

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



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

USD – national currency exchange rate, end of year

	Currency	2017	2018	2019	2020	2021
<b>Europe</b>						
Albania	lek	109.6	105.15	107.3	98.9	104.69
Austria	euro	0.84	0.88	0.896	0.815	0.881
Belgium	euro	0.84	0.88	0.896	0.815	0.881
Bulgaria	Bulgarian lev	1.64	1.71	1.75	1.594	1.724
United Kingdom	pound	0.74	0.79	0.76	0.74	0.742
Greece	euro	0.84	0.88	0.896	0.815	0.881
Denmark	kroner	6.23	6.54	6.69	6.059	6.552
Ireland	euro	0.84	0.88	0.896	0.815	0.881
Italy	euro	0.84	0.88	0.896	0.815	0.881
Hungary	forint	259.54	281.15	296.31	297.4	326.67
North Macedonia	denar	51.47	53.90	54.92	49.795	54.014
Germany	euro	0.84	0.88	0.896	0.815	0.881
Norway	krona	8.25	8.79	8.83	8.587	8.794
Poland	zloty	3.50	3.76	3.82	3.707	4.052
Portugal	euro	0.84	0.88	0.896	0.815	0.881
Romania	Romanian leu	3.90	4.08	4.28	3.971	4.361
Russian Federation	ruble	57.55	69.48	62.12	73.637	73.991
Slovakia	euro	0.84	0.88	0.896	0.815	0.881
Slovenia	euro	0.84	0.88	0.896	0.815	0.881
Serbia <sup>2) 3)</sup>	RSD	99.12	103.39	104.92	95.663	103.92
Finland	euro	0.84	0.88	0.896	0.815	0.881
France	euro	0.84	0.88	0.896	0.815	0.881
Netherlands	euro	0.84	0.88	0.896	0.815	0.881
Croatia	kuna	6.27	6.49	6.67	6.145	6.624
Czech Republic	koruna	21.42	22.64	22.85	21.42	21.98
Switzerland	franc	0.978	0.99	0.98	0.883	0.915
Sweden	krona	8.238	9.02	9.35	8.179	9.035
Spain	euro	0.84	0.88	0.896	0.815	0.881

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

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

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



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

USD – national currency exchange rate, end of year

	Currency	2017	2018	2019	2020	2021
<b>Asia</b>						
Viet Nam	dong	22 704	23 240	23 172	23 100	22 813
Israel	New shekel	3.47	3.77	3.46	3.21	3.108
India	rupee	64.08	70.36	71.35	73.42	74.73
Iran	rial	41 525	84 824	113 257	250 442	269 273
Japan	yen	112.92	110.75	109.47	103.53	114.81
China	yuan renminbi	6.53	6.87	6.995	6.53	6.368
Republic of Korea	won	...	1 120.32	1 161.03	1 091.97	1 186.53
Lebanon	pound	1 513.50	1 514.50	1 508.00	1 507.5	1 507.5
Myanmar	kyat	1 360.00	1 570.00	1 505.00	1 353	1 773
Mongolia	tughrik	2 427.16	2 640.04	2 678.87	2 820.23	2 840.85
Pakistan	rupee	110.7	139.85	154.87	160	178.15
Syrian Arab Republic	pound	434.00	434.00	700	1 250	2 500
Thailand	baht	32.62	32.54	30.14	30.04	33.49
Turkey	lira	3.78	5.29	5.96	7.345	12.651
Philippines	pesos	49.92	52.70	50.68	48.021	50.978
Sri Lanka	rupee	153.4	182.35	181.32	187.54	202.3
<b>Africa</b>						
Algeria	dinar	114.96	118.36	118.83	131.67	138.261
Ghana	new cedi	4.53	4.98	5.68	5.82	6.05
Egypt	pound	17.81	17.92	16.02	15.72	15.668
South Africa	rand	12.33	14.56	14.06	14.67	15.898
Morocco	dirham	9.38	9.54	9.6	8.92	9.237
Tunisia	dinar	2.47	3.00	2.80	2.68	2.875
<b>North and Central America</b>						
Guatemala	quetzal	7.34	7.74	7.70	7.77	7.702
Canada	dollar	1.26	1.37	1.31	1.28	1.281
Costa Rica	colon	568.67	606.71	568.98	607.69	638.65
Cuba	pesos	...	1.00	1.00	1.00	24
Mexico	new pesos	19.68	19.79	18.9	19.95	20.58
<b>South America</b>						
Argentina	pesos	18.71	38.58	59.94	84.02	102.646
Bolivia	bolivian	6.91	6.91	6.86	6.84	6.824
Brazil	real	3.30	3.93	4.05	5.20	5.668
Venezuela	bolivar	...	447.32	46 677.2	1 037 851.25	4.58
Ecuador	USD	...	1.00	1.00	1.00	1
Colombia	pesos	2 985	3 276	3 297	3 472.00	4 009
Paraguay	guarani	5 592.00	5 998.00	6 471.00	6 787.00	6 820
Peru	new sol	3.24	3.38	3.33	3.62	3.965
Uruguay	pesos	28.76	32.35	37.1	42.05	44.32
Chile	pesos	615.00	696.00	745.00	710.00	849
<b>Oceania</b>						
Australia	dollar	1.28	1.42	1.43	1.31	1.38
New Zealand	dollar	1.41	1.49	1.49	1.40	1.466

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

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



## Country calling codes in the International Telecommunication Union <sup>1)</sup>

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

Country Town	Call number
<b>Europe</b>	
Albania	355
Austria	43
Belarus	375
Belgium	32
Bosnia and Herzegovina	387
Republic of Srpska	
Mrkonjić Grad	(0)50
Banja Luka	(0)51
Prijedor	(0)52
Doboj	(0)53
Bijeljina	(0)55
Zvornik	(0)56
Eastern Sarajevo	(0)57
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

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



## Country calling codes in the International Telecommunication Union <sup>1)</sup>

Country Town	Call number
Montenegro <sup>2)</sup>	
Bar	030
Berane	051
Bijelo Polje	050
Budva	033
Cetinje	041
Herceg Novi	031
Kotor	032
Nikšić	040
Plevlja	052
Podgorica	020
Czech Republic	420
Spain	34
Sweden	46
Switzerland	41
<b>Asia</b>	
Afghanistan	93
India	91
Indonesia	62
Iran	98
Iraq	964
Israel	972
Japan	81
Armenia	374
Republic of Korea	82
China	86
Kuwait	965
Lebanon	961
Mongolia	976
Pakistan	92
Saudi Arabia	966

Country Town	Call number
Viet Nam	84
Thailand	66
Turkey	90
Turkmenistan	993
United Arab Emirates	971
Uzbekistan	998
<b>Africa</b>	
Algeria	213
Egypt	20
Ethiopia	251
Zambia	260
Zimbabwe	263
South Africa	27
Kenya	254
Lybia	218
Morocco	212
United Republic of Tanzania	255
Tunisia	216
<b>North and South America</b>	
Argetina	54
Brazil	55
Canada	1
Cuba	53
Mexico	52
Peru	51
United States of America	1
Chile	56
<b>Oceania</b>	
Australia	61
New Zealand	64

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

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



## World countries time – Serbia: 12.00

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





## 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 <sup>1)</sup>



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

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

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

(Serbian National Anthem)

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

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

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

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!

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

## Calling codes in domestic telephone traffic

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

Town	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

<sup>1)</sup> 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 <sup>1)</sup>

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

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

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

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

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

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

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

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



## EXIT

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

## 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 <sup>1)</sup>

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

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



Visoki Dečani





Church of Bogorodica Ljeviška



Gračanica



Mileševa



Beli anđeo (White angel)



## Major monasteries and churches in AP Kosovo and Metohia



○ Манастири  
Monasteries

○/ Манастири у рушевинама  
Ruined monasteries

○ Цркве  
Churches

○/ Цркве у рушевинама  
Ruined churches

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

For ungrouped data:

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

For grouped:

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

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

For ungrouped data:

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

For grouped:

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

Sample variance:

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



Standard sample deviation:

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

Coefficient of variation:

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

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

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

## Sample and sample statistics

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

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

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

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

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

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

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

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  $\vartheta$  parameter if its expected value is equal to  $\vartheta$  parameter.

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

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

## Statistical hypotheses testing

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

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

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

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

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

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

## Index numbers

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

Individual indices are relative changes of one phenomenon only.

Group indices represent 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,

$\alpha$  – weighted factor

Mean geometric group index:

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

Aggregate value index:

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

Aggregate quantity index:

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



Aggregate price index:

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

Fisher price index:

Fisher price index:

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

Fisher quantity index:

Fisher quantity index:

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

## Time series analysis

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

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

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

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



## Information technology

Computer (Engl., from to compute = calculate) is 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  $2 \times 10^{-7}$  newton per meter.

##### Thermodynamic temperature unit

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

##### Substance quantity/amount unit

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

##### Luminous intensity unit

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



### 1.1.1. SI Celsius temperature unit

Physical quantity	Unit	
	Name	Symbol
Celsius temperature	Degree Celsius	°C

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

## 1.2. Other SI units

### 1.2.1. SI derived units

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

### 1.2.2. SI derived units with special names

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

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



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

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

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

Definition:

Plane angle unit

Radian, i.e. angle in plane equal to an angle at the 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-	$\mu$
$10^{-9}$	nano-	n
$10^{-12}$	pico-	p
$10^{-15}$	femto-	f
$10^{-18}$	atto-	a
$10^{-21}$	zepto-	z
$10^{-24}$	iokto-	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 <sup>3</sup> = 10 <sup>-3</sup> m <sup>3</sup>
Mass	ton	t / t	1 t = 1 Mg = 10 <sup>3</sup> kg
Pressure	bar	bar	1 bar = 10 <sup>5</sup> Pa

\* Both l and L symbols can be used for the unit of 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 <sup>12</sup> mass.

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



## 4. Specific units

Physical quantity	Unit		
	Name	Symbol	Value
Refractive power	Dioptre		1 dioptre = $1 \text{ m}^{-1}$
Precious stone mass	Carat		1 carat = $2 \times 10^{-4} \text{ kg}$
Land area	Are	a	1 a = $100 \text{ m}^2$
	Hectare	ha	1 ha = $10^4 \text{ m}^2$
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 = $10^{-28} \text{ m}^2$

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 <sup>1)</sup>

#### Square measure – square meter ( $\text{m}^2$ )

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 ( $\text{m}^3$ )

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

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

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

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

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

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

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

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

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

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

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

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



## Old measures

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

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

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

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

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

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

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

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

## British (imperial) measures with metric equivalents

vice versa

### Linear measure

1 nautical mile = 1.853 km

1 km = 0.54 nautical mile

1 mile = 1.609 km 1 km = 0.621 mile

1 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 km<sup>2</sup>

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

1 acre = 0.405 ha

1 ha = 2.471 acre

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

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

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

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

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

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

### Capacity measure

1 British bushel = 36.348 l

1 l = 0.0275 Brit. bushel

1 American bushel = 35.239 l

1 l. = 0.0284 Am. bushel

1 Brit. gallon = 4.546 l

1 l = 0.22 Brit. gallon

1 Am. gallon = 3.785 l

1 l = 0.264 Am. gallon

1 l = 0.264 Am. gallon

1 Brit. quart = 1.137 l

1 l = 0.88 Brit. quart

1 Am. quart = 0.946 l

1 l = 1.057 Am. quart

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

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

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

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

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

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

### Weight

1 long ton = 1.016 tonnes

1 tonne = 0.984 long ton

1 short ton = 0.907 tonne

1 tonne = 1.102 short ton

1 pound = 0.454 kg

1 kg = 2.205 pound

1 ounce = 28.35 g

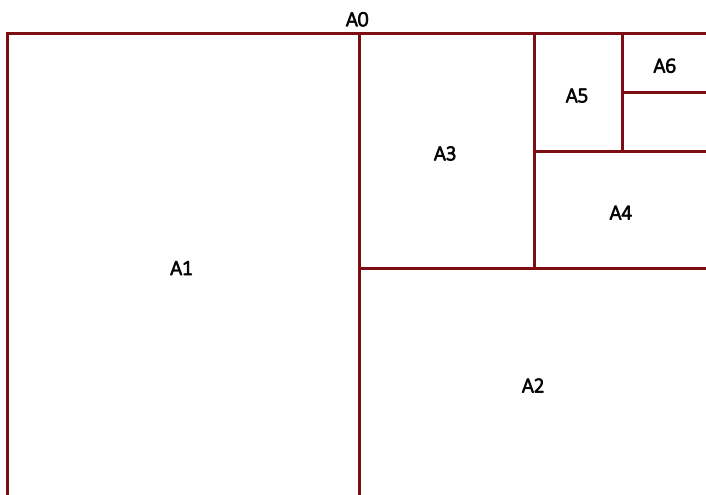
1 g = 0.035 ounce



## Paper sizes

mm

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



## Chemical elements

Atomic number	Name	Chemical symbol	Relative atomic mass	Type of element
1	Hydrogen	H	1.01	gas
2	Helium	He	4.00	noble gas
3	Lithium	Li	6.94	solid
4	Beryllium	Be	9.01	solid
5	Boron	B	10.82	solid
6	Carbon	C	12.01	solid
7	Nitrogen	N	14.01	gas
8	Oxygen	O	16.00	gas
9	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 <sup>1)</sup>	La	138.91	solid
58	Cerium	Ce	140.12	solid
59	Praseodymium	Pr	140.91	solid
60	Neodymium	Nd	144.24	solid
61	Promethium	Pm	(145)	radioactive
62	Samarium	Sm	150.36	solid
63	Europium	Eu	151.96	solid
64	Gadolinium	Gd	157.25	solid
65	Terbium	Tb	158.93	solid
66	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

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



## Chemical elements (continued)

Atomic number	Name	Chemical symbol	Relative atomic mass	Type of element
81	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 <sup>1)</sup>	Ac	227.03	radioactive
90	Thorium	Th	232.04	radioactive
91	Protactinium	Pa	231.04	radioactive
92	Uranium	U	238.03	radioactive
93	Neptunium	Np	237.05	radioactive
94	Plutonium	Pu	(244)	radioactive
95	Americium	Am	(243)	artificially produced
96	Curium	Cm	(247)	artificially produced
97	Berkelium	Bk	(247)	artificially produced
98	Californium	Cf	(251)	artificially produced
99	Einsteinium	Es	(254)	artificially produced
100	Fermium	Fm	(257)	artificially produced
101	Mendelevium	Md	(256)	artificially produced
102	Nobelium	No	(254)	artificially produced
103	Lawrencium	Lr	(257)	artificially produced
104	Rutherfordium	Rf	257.00	artificially produced
105	Dubnium	Db	261.00	artificially produced
106	Seaborgium	Sg	259.00	artificially produced
107	Bohrium	Bh	261.00	artificially produced
108	Hassium	Hs	265.00	artificially produced
109	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

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





## Serbian Cyrillic

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

## Serbian Latin

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



## Greek alphabet

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

## English alphabet

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



## Serbian letters pronounced in other languages

Cyrillic	atin	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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