



WORKING PAPER

REGIONAL GROSS DOMESTIC PRODUCT Regions and areas of the Republic of Serbia, 2022



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REGIONAL GROSS DOMESTIC PRODUCT

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Working paper: REGIONAL GROSS DOMESTIC PRODUCT – Regions and areas
of the Republic of Serbia, 2022

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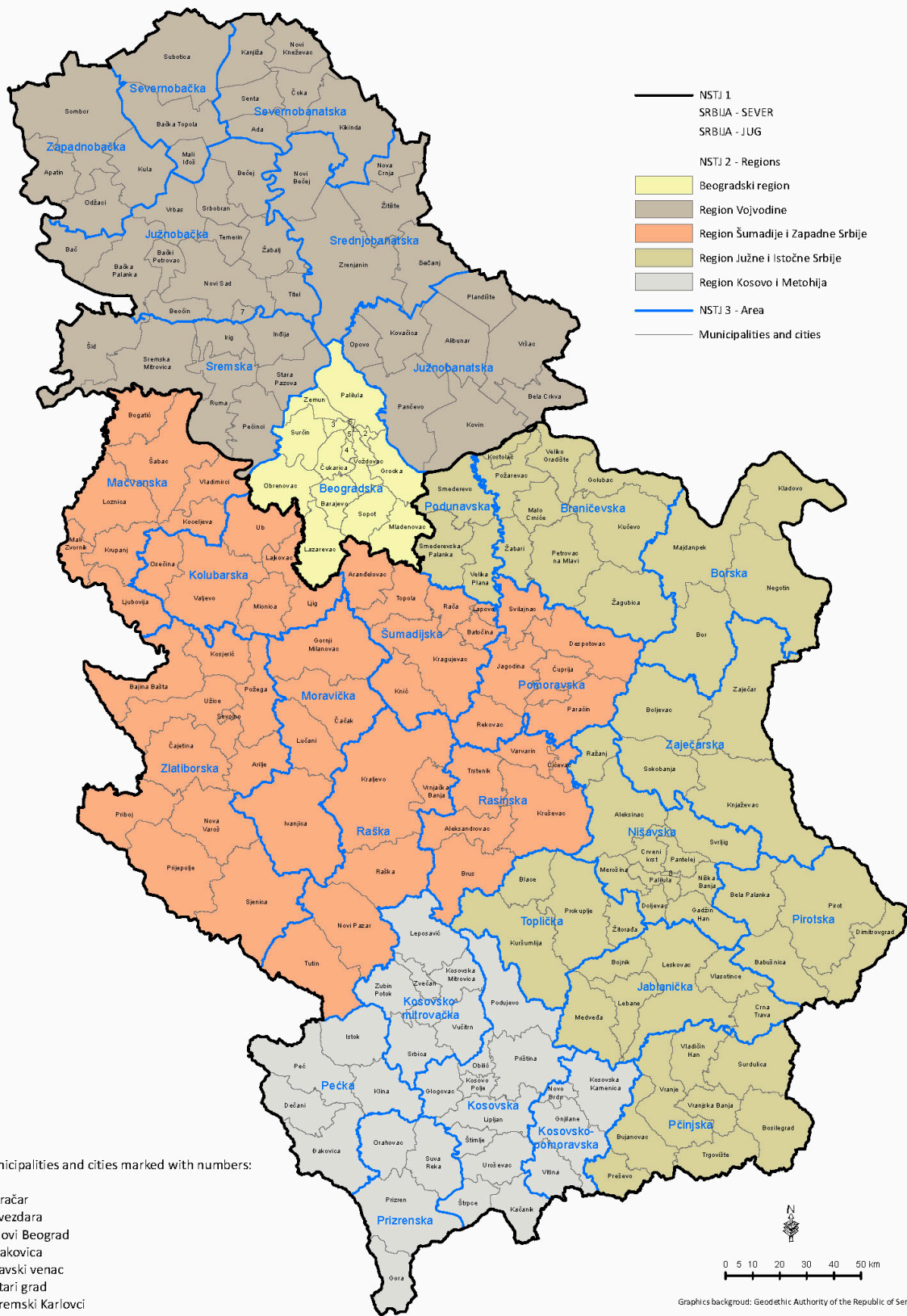
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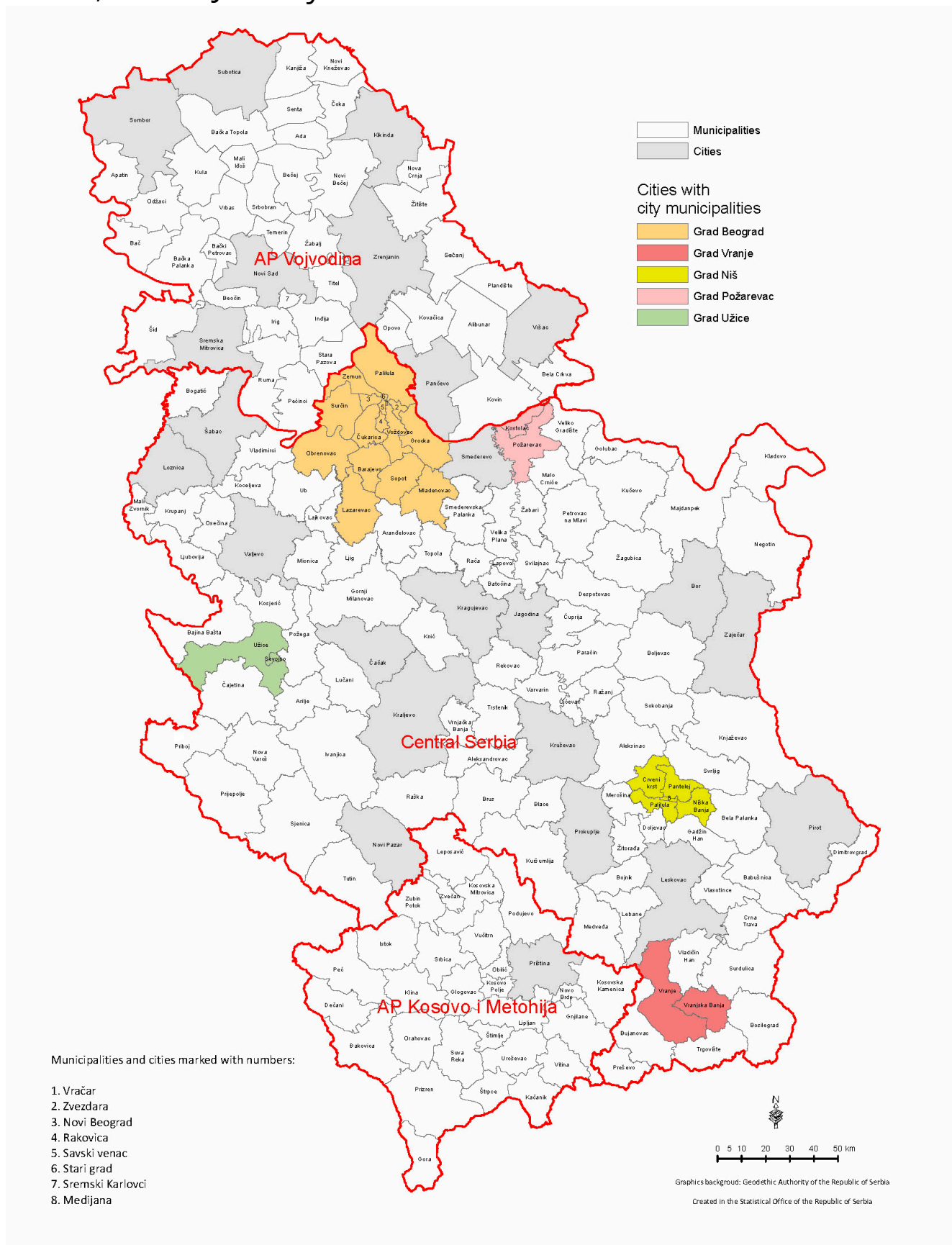
Map 1. Municipalities and towns/cities of the Republic of Serbia, by areas and regions, as of 1 January 2023



Map 2. Municipalities and towns/cities of the Republic of Serbia, by administrative districts, as of 1 January 2023



Map 3. Towns/cities and municipalities of the Republic of Serbia, as of 1 January 2023



INTRODUCTORY NOTES

Measurement of regional economic performance has always been among the priorities in the statistical system of the European Union (EU) and has become increasingly important in the Republic of Serbia due to severe regional discrepancies in economic and social development. These discrepancies are caused mainly by the differences in economic structure, productivity of labour force and efficiency of business operations of economic subjects in the Republic of Serbia. Regional accounts, as a system of regional statistical indicators, are thus regarded as indispensable tools for strategic planning of regional development and effective regional policymaking, as well as for evaluation and monitoring of plans and programs of cohesive policy on the national and the European level. Regional gross domestic product (GDP) is regarded as the headline indicator used for measuring the regional economic performances and the effectiveness of the regional policies and programs aimed at reducing the gaps between the regions in socio-economic development and distribution of the national wealth.

This paper summarizes the concepts, sources and methods used in the process of estimation of the regional gross domestic product (GDP) of the Republic of Serbia for the year 2022, along with the revised data for 2021, aligned with the results of the national GDP revision implemented in 2023.

MAIN METHODOLOGICAL PRINCIPLES

The calculation of regional GDP, as a part of the system of national accounts of the Republic of Serbia, was made in accordance with EU principles and methodology, i.e. the *European system of national accounts* (ESA 2010) and the *Nomenclature of statistical territorial units* of the Republic of Serbia (*NSTJ*), which has been harmonized with the European Nomenclature of territorial units for statistics (NUTS). The main conceptual reference for the Serbian regional GDP is the Eurostat's *Regional Accounts Methods* manual. The calculations of regional GDP were carried out at the NUTS level 2 (regions) and NUTS level 3 (areas) for the following statistical territorial units:

- Beogradski region/area;
- Region Vojvodine and areas: Zapadnobačka oblast, Južnobanatska oblast, Južnobačka oblast, Severnobanatska oblast, Severnobačka oblast, Srednjobanatska oblast and Sremska oblast;
- Region Šumadije i Zapadne Srbije and areas: Zlatiborska oblast, Kolubarska oblast, Mačvanska oblast, Moravička oblast, Pomoravska oblast, Rasinska oblast, Raška oblast and Šumadijska oblast.
- Region Južne i Istočne Srbije and areas: Borska oblast, Braničevska oblast, Zaječarska oblast, Jablanička oblast, Nišavska oblast, Pirotska oblast, Podunavska oblast, Pčinjska oblast and Toplička oblast.

For Region Kosovo i Metohija at this moment, no reliable statistical data are available and it was not covered by the calculations.

In accordance with the ESA 2010 and the Eurostat methodology of regional accounts, as a separate statistical territorial unit displayed is "*extra regio*", i.e. extraterritorial units of the Republic of Serbia (ESA 2010, paragraph 13.11). Those are diplomatic and consular missions, embassies of the Republic of Serbia abroad and in other parts of the economic territory of the Republic of Serbia outside its territorial boundaries. Gross value added calculation for *extra regio* is based on data from the Ministry of Foreign Affairs of the Republic of Serbia on the employed citizens of the Republic of Serbia in these units. According to ESA 2010 (paragraph 13.44), data on GDP per capita and the corresponding indices are not expressed for *extra regio*.

Regional gross domestic product is the regional equivalent to a country's GDP which represents the most important macroeconomic aggregate of a national economy and measure of its productivity and efficiency in the production of goods and services needed for various types of consumption. The sum of GDP for each region is identical to the GDP of the Republic of Serbia. Gross value added created by all resident economic subjects of the Republic of Serbia is a starting point for the calculation of GDP and its regionalization i.e. estimation of the contribution of each regional entity to the total GDP. The relation between GDP, gross value added (GVA) and regional GDP can be shown using the following equations:

GDP – the sum of gross value added of the institutional sectors or of the industries, plus taxes on products and imports and less subsidies on products (subsidies directly linked to the volume or value of production).

GVA – the total value of output of goods and services produced less the intermediate consumption (goods and services used up in the production process in order to produce the output).

Regional GDP – the sum of value added of all local units that are active in the territory of the subject region (plus taxes on products less subsidies on products).

METHODS OF REGIONALIZATION

The regionalization of gross value added (GVA) is based on the *workplace principle* i.e. by using the economic data on local units of enterprises where the value added is actually created. This principle of regionalization of GVA has special significance if we take into account the fact that the large economic systems representing the „backbone“ of the Serbian economy (including large public enterprises and government bodies and institutions) have in general wide geographic dispersion of their organizational units (plants, establishments, offices etc.), and each of them represents a significant centre of economic activity on the territory of the municipality and region where it is situated. GVA of these enterprises is allocated on the regions where their local units and employees are situated and where the production process has taken place and not in the regions where their headquarters are registered.

For enterprises belonging to the sector of non-financial corporations, so called “bottom up” method was used as the main technique for regionalization of GVA in line with the experience and methodology of the Swedish statistics. The same principle is applied for non-profit institutions serving households. For financial institutions, the data on wages and salaries, together with the data on deposits and credits (for banks) and gross premiums written (for insurance business) on municipal level were used for the regionalization of GVA of each enterprise in full accordance with the Eurostat’s recommendations. For the government sector, the data on wages and salaries collected via special survey are used for the distribution of GVA of each entity on its belonging local units on municipal level.

The starting point for the calculations of regional GDP represents the SBR of local units of enterprises which is managed and operated by the SORS. A large majority of companies and sole-proprietorships are mono-unit enterprises or with a few units operating within the same municipality. For these enterprises GVA is directly ascribed to the region of the headquarters of the enterprise i.e. municipality where it is registered and conducts its business activities. On the other side, the “regional profile” of each enterprise conducting economic activity in more than one municipality is defined by comparison and cross-checking of the data derived from several statistical and administrative data sources. The data on local units (NACE and municipality code, number of employment and wages and salaries) are thoroughly checked and determined the number of employed, staff costs and then the share of each local unit in the GVA of the enterprise it belongs to. All enterprises with more than one local unit in different municipalities were processed this way thus founding the basis for regional distribution of GVA and, eventually, the derivation of regional GDP.

Having calculated the regional profiling of each economic subject, the GVA is distributed to each local unit, whereupon the area and regional figures are derived by aggregating the GVA of all local units belonging to the same area, i.e. region.

DATA SOURCES

Apart from financial statements as primary data source, for deriving regional GDP calculations the following administrative and statistical data sources are used:

- For the non-financial sector of incorporated enterprises – a regional data module within the annual structural business survey with data on number of employees, gross wages and salaries and other economic indicators for local units of enterprises on municipality level are collected. Moreover, this module includes data on stocks of capital goods and depreciation costs on local unit level. As supplementary sources used were the data of the Central Register of Social Contributions Payers (CRSCP) on the number of employment in local units of enterprises and the statistical survey on local units of economic subject.
- For the financial sector (banks and the central bank, i.e. the National Bank of Serbia, insurance companies, companies for financial leasing, pension and investment funds, broker and dealer companies and other financial institutions) – the annual survey KGI-02, which compiles data for financial institutions on the level of local units: data on number of local units, employment and wages and salaries on municipality level. Also, it covers data on loans, deposits and commissions and fees (for the banks) and gross premiums written (for insurance business), also on municipality level, which are used as key tools for the regionalization of GVA of institutional units belonging to the financial corporations sector, namely for value added allocation to local units.
- For the general government sector, i.e. government bodies and institutions – KGI-03 survey that annually collects data on employees from the CRSCP database. In order to collect data on distribution of employees and wages and salaries by municipalities, the SORS Regional accounts division has conducted a survey which covers the major government institutions with the largest territorial dispersion of the units. The following institutions were covered by this special survey: Ministry of the Interior, Ministry of Defence, State Tax Administration, State Customs Administration, National Employment Service, Pension and Disability Insurance Fund, National Health Insurance Fund, Serbian Statistical Office (SORS), Hydro-meteorological Office, Republic Geodetic Authority and PE Post of Serbia. The GVA calculations for non-market institutional units that belong to the government sector are implemented by applying the expenditure approach in compliance with ESA 2010;
- For the households' sector – data provided by the Tax Administration on tax payers based on income from own-account activities and estimations based on statistical surveys concerning economic activities. Apart from unincorporated enterprises (sole proprietorships and partnerships), this sector includes other self-employed persons, such as persons who achieve contracted fee as the only income source ("outworkers") and farmers. In addition, the GDP of household sector covers net receipts from renting, i.e. household income resulting from the private renting of dwellings. Namely, according to the principles of national accounts, this income includes also so-called imputed rentals for owner occupied dwellings, i.e. imputed value of income that could be received by owners of private dwellings by renting them to other persons. This estimate is based on the data on dwelling stock on the territory of certain region and on average unit price of real estates.
- For the sector of non-profit institutions serving households (NGOs, non-market citizen associations and organizations etc.) – database of financial statements for other legal entities and employment data for their local units provided by CRSCP.

For each of these institutional sectors the specific methods for calculating output value (market and non-market output) and value added were applied, in accordance with the methodological guidelines provided by ESA 2010.

◆ Results of calculation – regional GDP, shares of regions in total GDP of the Republic of Serbia and level indices

Table 1. Results of calculation – regional GDP, shares of regions in total GDP of the Republic of Serbia and level indices

Territory	GDP (RSD million)		Index 2022/2021	Share (%)		GDP per capita (RSD thousand)		GDP per capita – Level Index (RS = 100)	
	2022	2021		2022	2021	2022	2021	2022	2021
REPUBLIC OF SERBIA	7 097 629	6 271 988	113.2	100	100	1 065	918	100	100
Beogradski region	2 839 814	2 519 419	112.7	40.0	40.2	1 686	1 492	158.3	162.6
Region Vojvodine	1 871 367	1 616 406	115.8	26.4	25.8	1 073	885	100.8	96.5
Region Šumadije i Zapadne Srbije	1 306 248	1 172 868	111.4	18.4	18.7	716	628	67.2	68.4
Region Južne i Istočne Srbije	1 077 359	960 538	112.2	15.2	15.3	763	661	71.7	72.1
<i>Extra regio</i>	2 841	2 756	103.1	0.0	0.0	-	-	-	-
Region Kosovo i Metohija	...	...	...	...	...	...	...	...	...

According to the estimation principle of workplace, the regions of the Republic of Serbia had the following shares in the national GDP: Beogradski region holds the leading position with 40.0%; Region Vojvodine expressed the share of 26.4%, and then come Region Šumadije i Zapadne Srbije – 18.4% and Region Južne i Istočne Srbije – 15.2%.

For Beogradski region, with GDP per capita amounting to RSD 1 686 000 (EUR 14 354)¹, notable is by 58.3% higher per capita amount compared to the national average. The GDP per capita level index² for Region Vojvodine equals 100.8% (RSD 1 073 000/EUR 9 135), which is approximately by 4.3% more if compared to 2021. The GDP per capita level index for Region Šumadije i Zapadne Srbije equals 67.2% (RSD 716 000/EUR 6 096), which means it decreased by 1.2% when related to 2021. For Region Južne i Istočne Srbije the level index equals 71.7% (RSD 763 000/EUR 6 496), which is by 0.4% lower value when related to 2021.

Regarding the dispersion of the regional GDP per capita, in 2022 the subject amount equalled 30%, namely it was slightly lower compared to 2021 (31%). Concerning the level of areas (districts), it equals 38% (36% in 2021). According to the Eurostat methodology, the dispersion of regional GDP per capita indicates the average (absolute) difference between the national and regional GDP per capita values. A lower value of this indicator is expressive of moderate reduction in the GDP regional dispersion, namely, indicates increased regional differences in the GDP regional per capita amount.³

¹ Average official exchange rate of the National Bank of Serbia for the year 2022.

² Level index represents the ratio between the GDP per capita value of a region when related to the republic GDP per capita level. It does not represent the GDP growth in relation to the previous year, but indicates whether the GDP per capita for a region is higher or lower in relation to the republic level. When a level index is above 100% - this means that the regional GDP per capita value is higher than the value of this indicator for the Republic of Serbia. When below 100, this means that the regional GDP per capita value is lower than the value of this indicator for the Republic of Serbia.

³ Dispersion of regional GDP per capita is a measure of cohesion of economic development of regions and shows the average difference between the national and regional levels of GDP per capita. This indicator is available at NUTS 2 and NUTS 3 level, i.e. at levels *NSTJ2* (region) and *NSTJ3* (district/area) of the *national Nomenclature of Territorial Units for Statistics*. Dispersion of regional gross domestic product is calculated as the sum of the absolute differences between regional and national GDP per inhabitant value, weighted with the regional share of population and expressed as percentage of the national GDP per inhabitant.

For a given country the dispersion *D* of regional GDP per inhabitant is defined as the sum of the absolute differences between regional and national GDP per inhabitant, weighted with the regional share in the population and expressed as percentage of the national GDP per inhabitant:

$$D = \frac{100}{Y} \sum_{i=1}^n |y_i - Y| \left(\frac{p_i}{P}\right)$$

In the above equation:

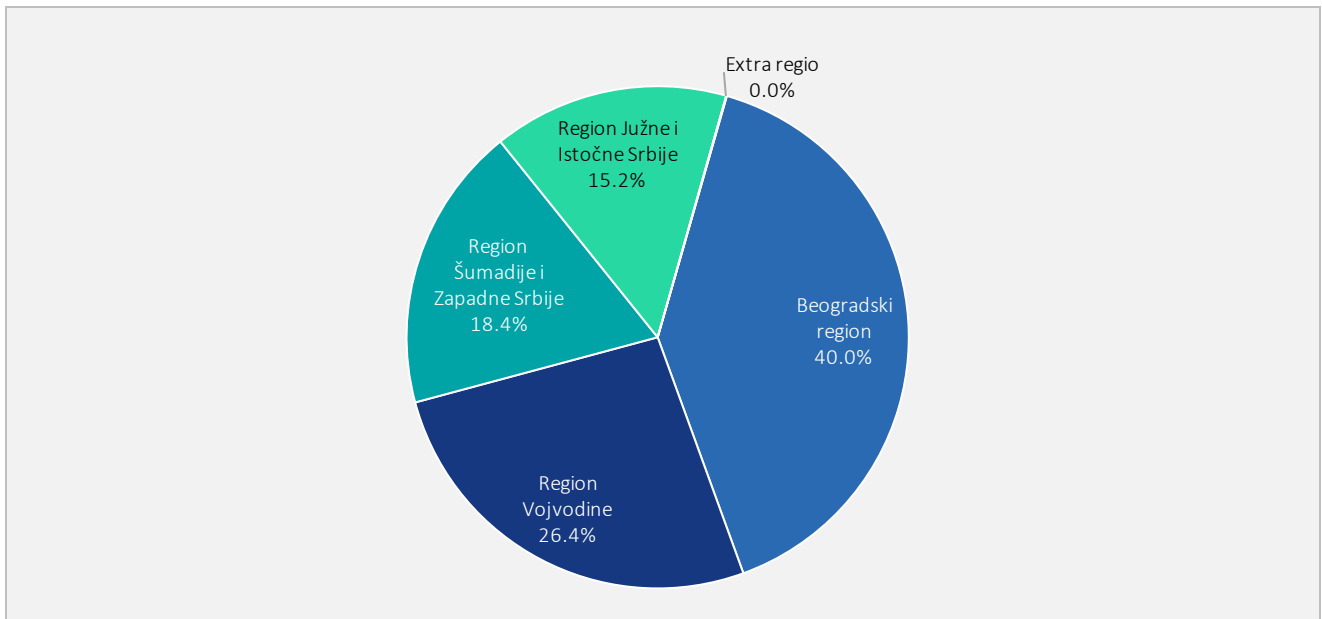
y_i - regional GDP per inhabitant of region i ;

Y - national GDP average per inhabitant;

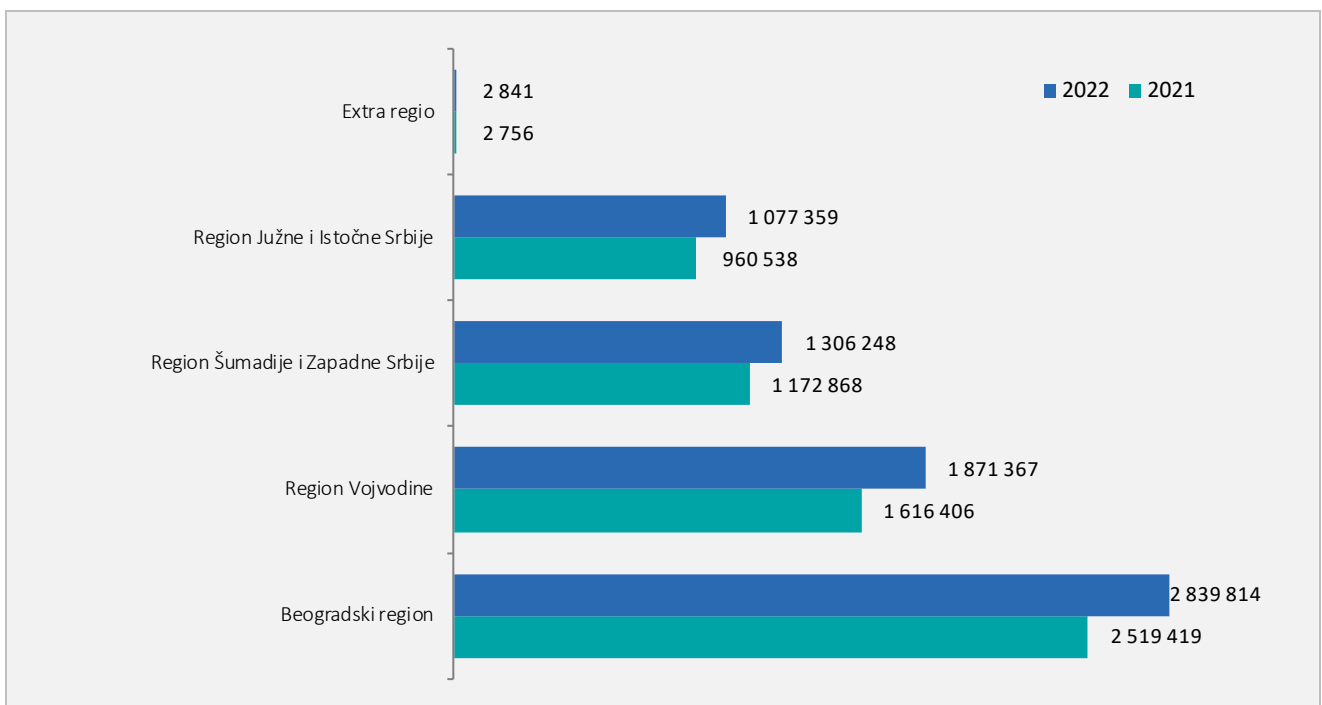
p_i - population of the region/area i

P - population of the country;

Graph. 1. Shares of the regions in the national GDP, 2022

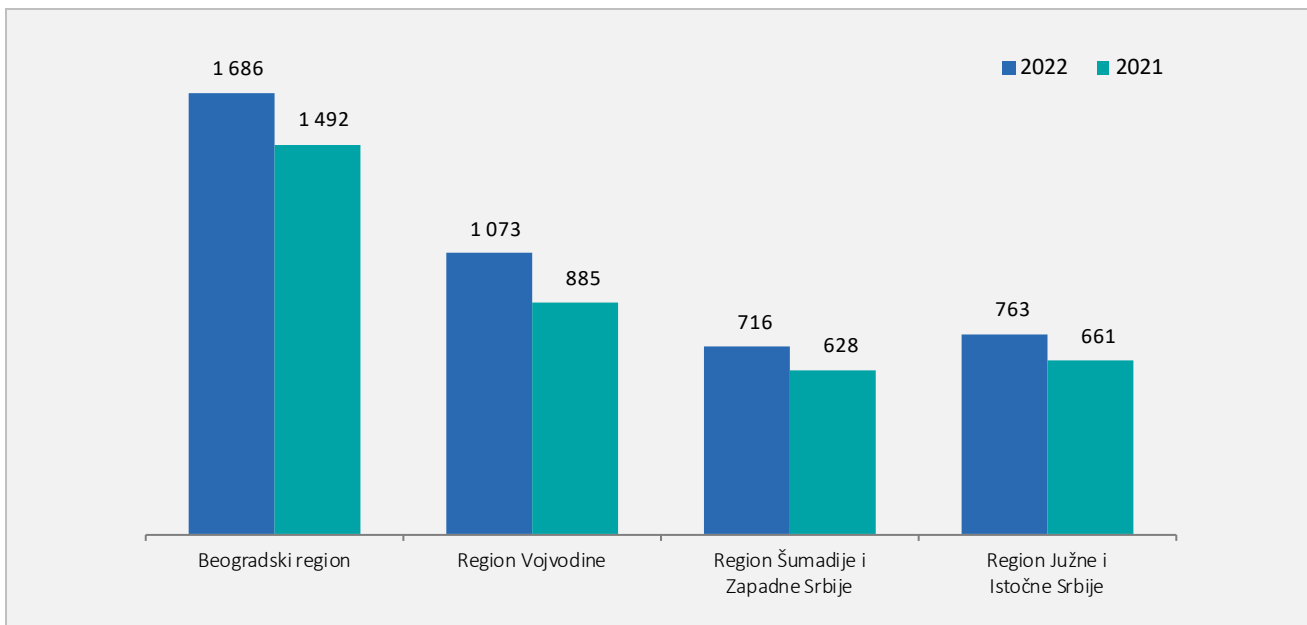


Graph. 2. Regional GDP, 2022–2021 (RSD million)

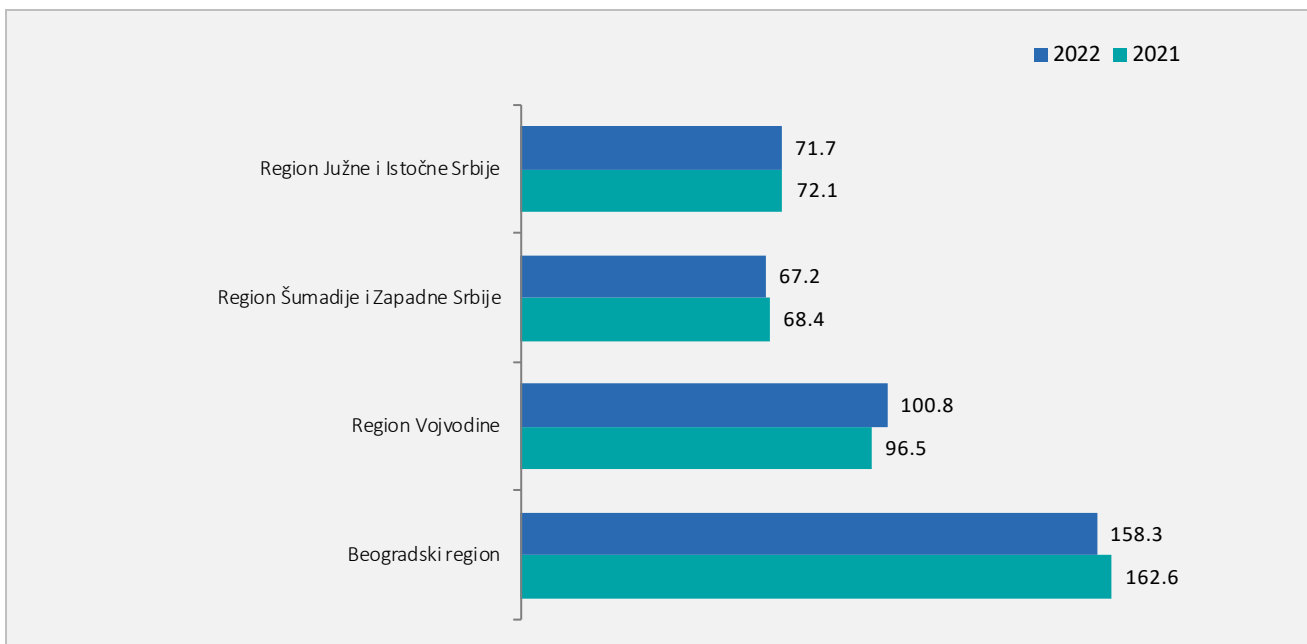


n - number of regions/areas

Graph. 3. Regions of the Republic Serbia – Regional GDP per capita, 2022–2021 (RSD thousand)



Graph. 4. Regions of the Republic of Serbia – GDP per capita – Level indices (RS = 100), 2022–2021 (%)



◆ Regional GDP expressed in PPS

In the following table, expressed is the regional GDP in PPS (purchasing power standard) and the comparison of the Serbian regions with the EU27 indicators is presented. As we can see, all the regions are below the 75% limit of the GDP average per capita in the EU. The leading Beogradski region is at 69.5%, while Region Šumadije i Zapadne Srbije is at 29.5%.

Table 2. Regional GDP expressed in PPS

Territory	GDP (PPS million)		Share (%)		GDP per capita (PPS thousand)		GDP per capita - Level Index (EU-28 = 100)	
	2022	2021	2022	2021	2022	2021	2022	2021
EU-27	15 907 189	14 640 071	100.0	100.0	35.5	32.7	100.0	100.0
REPUBLIC OF SERBIA	103 668	97 295	0.7	0.7	15.6	14.2	43.9	43.5
Beogradski region	41 478	39 086	0.3	0.3	24.6	23.1	69.5	70.8
Region Vojvodine	27 333	25 074	0.2	0.2	15.7	13.7	44.2	42.0
Region Šumadije i Zapadne Srbije	19 079	18 193	0.1	0.1	10.5	9.7	29.5	29.8
Region Južne i Istočne Srbije	15 736	14 900	0.1	0.1	11.1	10.3	31.4	31.4
<i>Extra regio</i>	41	45	0.0	0.0	...	...	...	...
Region Kosovo i Metohija	...	...	...	...	...	...	...	...

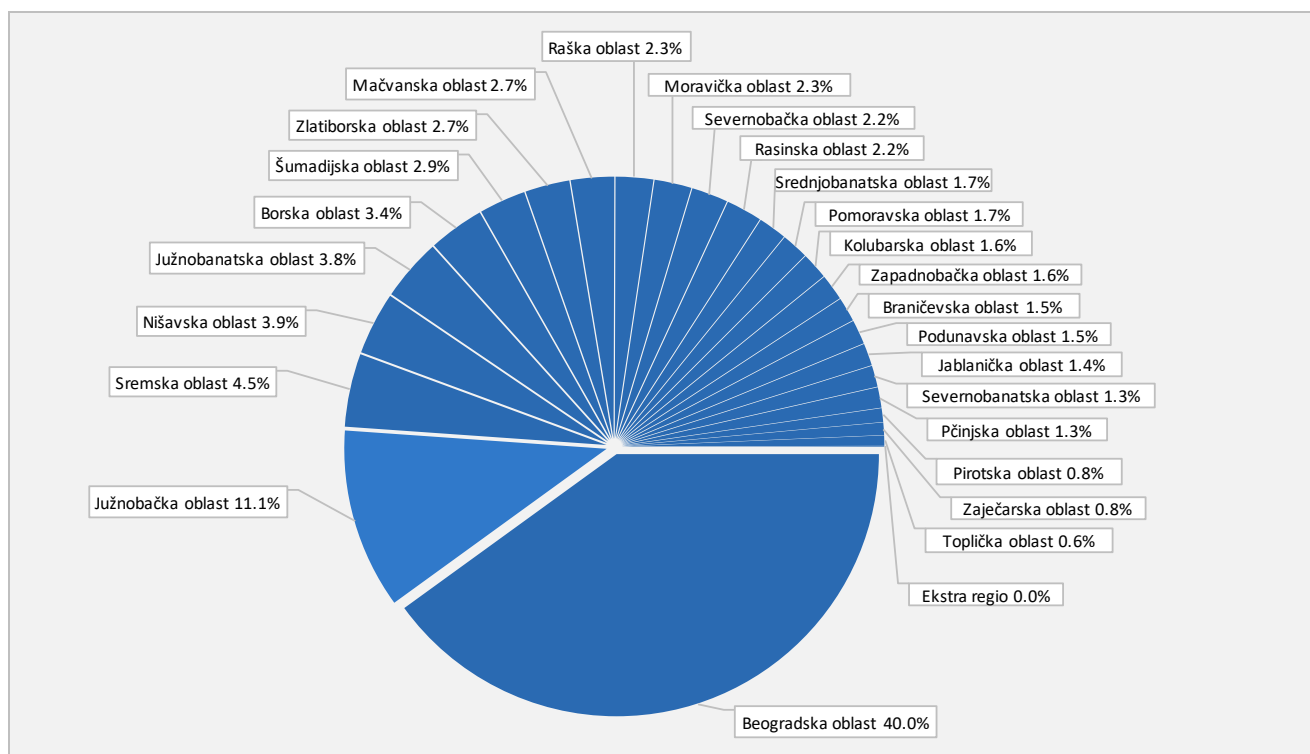
◆ Areas of the Republic of Serbia – GVA, shares in total GVA of the Republic of Serbia and level indices

Table 3. Areas of the Republic of Serbia – GVA, shares in total GVA of the Republic of Serbia and level indices

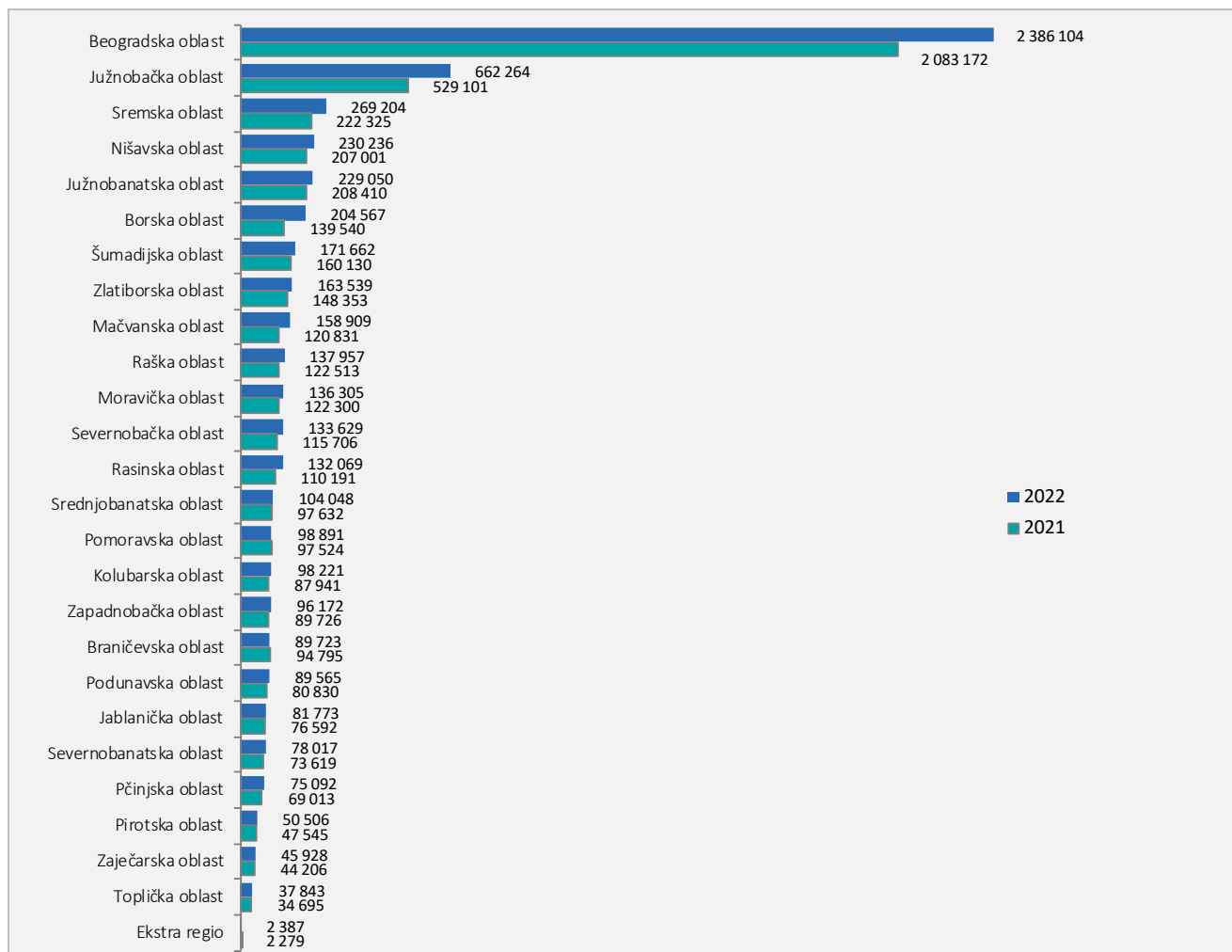
Area	GVA (RSD million) ¹⁾		Index 2022/2021	Share (%)		GVA per capita (RSD)		Level Index (RS = 100)	
	2022	2021		2022	2021	2022	2021	2022	2021
REPUBLIKA SRBIJA	5 963 659	5 185 969	115.0	100.0	100.0	895	759	100.0	100.0
Beogradska oblast	2 386 104	2 083 172	114.5	40.0	40.2	1 417	1 234	158.3	162.6
Zapadnobačka oblast	96 172	89 726	107.2	1.6	1.7	620	539	69.3	71.1
Južnobanatska oblast	229 050	208 410	109.9	3.8	4.0	878	765	98.1	100.8
Južnobačka oblast	662 264	529 101	125.2	11.1	10.2	1 090	857	121.8	113.0
Severnobanatska oblast	78 017	73 619	106.0	1.3	1.4	659	557	73.6	73.4
Severnobačka oblast	133 629	115 706	115.5	2.2	2.2	833	660	93.0	86.9
Srednjobanatska oblast	104 048	97 632	106.6	1.7	1.9	657	575	73.4	75.8
Sremska oblast	269 204	222 325	121.1	4.5	4.3	951	760	106.3	100.1
Zlatiborska oblast	163 539	148 353	110.2	2.7	2.9	640	572	71.5	75.4
Kolubarska oblast	98 221	87 941	111.7	1.6	1.7	634	555	70.9	73.1
Mačvanska oblast	158 909	120 831	131.5	2.7	2.3	597	446	66.7	58.8
Moravička oblast	136 305	122 300	111.5	2.3	2.4	718	630	80.2	83.0
Pomoravska oblast	98 891	97 524	101.4	1.7	1.9	541	510	60.4	67.2
Rasinska oblast	132 069	110 191	119.9	2.2	2.1	635	511	70.9	67.3
Raška oblast	137 957	122 513	112.6	2.3	2.4	464	406	51.9	53.5
Šumadijska oblast	171 662	160 130	107.2	2.9	3.1	636	580	71.0	76.5
Borska oblast	204 567	139 540	146.6	3.4	2.7	2 011	1 304	224.7	171.9
Braničevska oblast	89 723	94 795	94.6	1.5	1.8	571	592	63.8	78.0
Zaječarska oblast	45 928	44 206	103.9	0.8	0.9	472	432	52.8	57.0
Jablanička oblast	81 773	76 592	106.8	1.4	1.5	441	396	49.3	52.2
Nišavska oblast	230 236	207 001	111.2	3.9	4.0	668	585	74.6	77.0
Pirotska oblast	50 506	47 545	106.2	0.8	0.9	656	586	73.3	77.2
Podunavska oblast	89 565	80 830	110.8	1.5	1.6	508	448	56.8	59.0
Pčinjska oblast	75 092	69 013	108.8	1.3	1.3	387	357	43.2	47.1
Toplička oblast	37 843	34 695	109.1	0.6	0.7	487	430	54.5	56.6
<i>Extra regio</i>	2 387	2 279	104.8	0.0	0.0	-	-	-	-
Kosovska oblast	...	...	...	...	...	...	...	...	...
Kosovsko-mitrovačka oblast	...	...	...	...	...	...	...	...	...
Kosovsko-pomoravska oblast	...	...	...	...	...	...	...	...	...
Pečka oblast	...	...	...	...	...	...	...	...	...
Prizrenska oblast	...	...	...	...	...	...	...	...	...

¹⁾ Net taxes on products make the difference between GVA and GDP values. In compliance with the Eurostat regulations, GVA shall be expressed for the level of areas (districts).

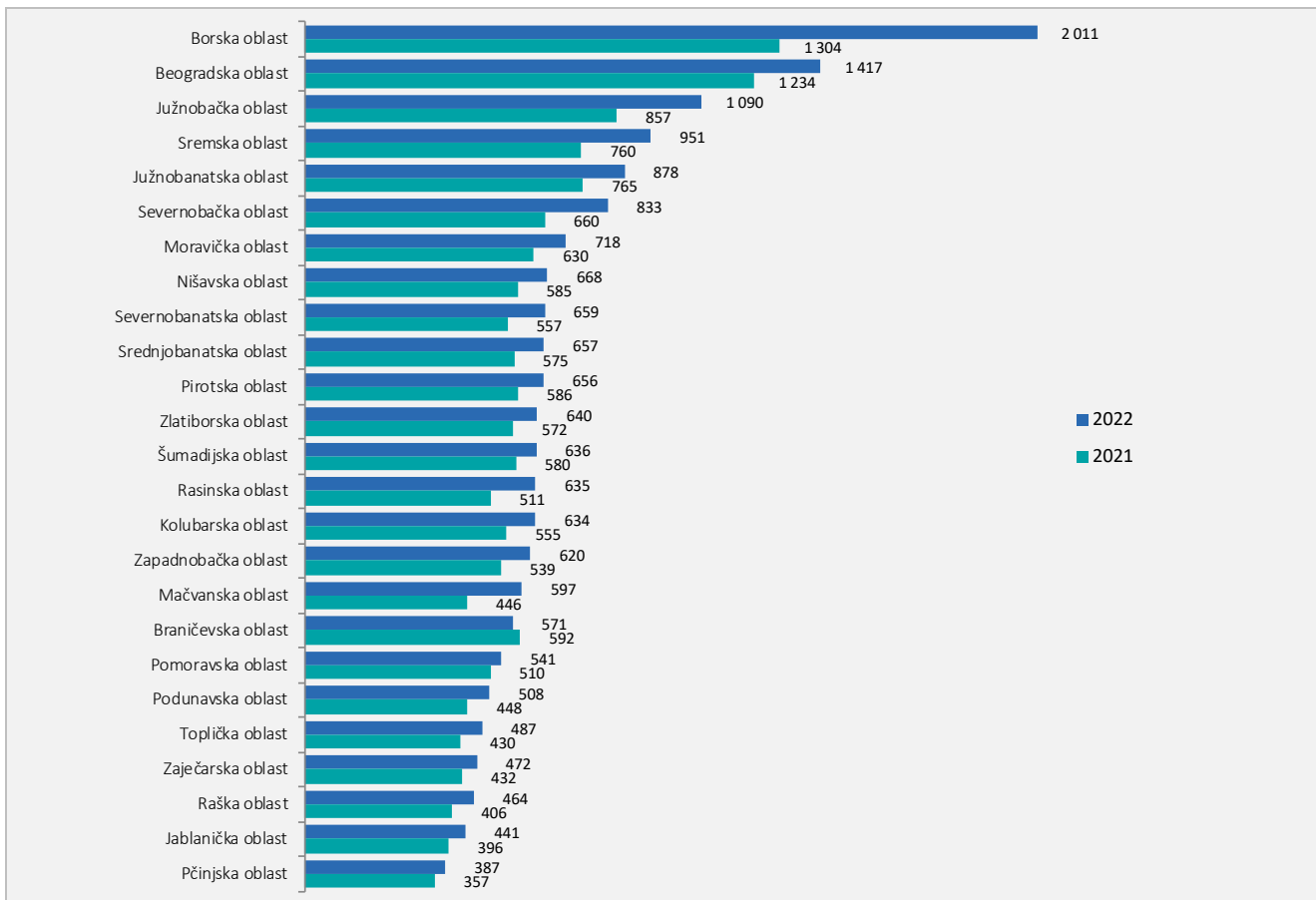
Graph. 5. Areas of the Republic of Serbia – Share of areas in total GVA of the Republic of Serbia, 2022



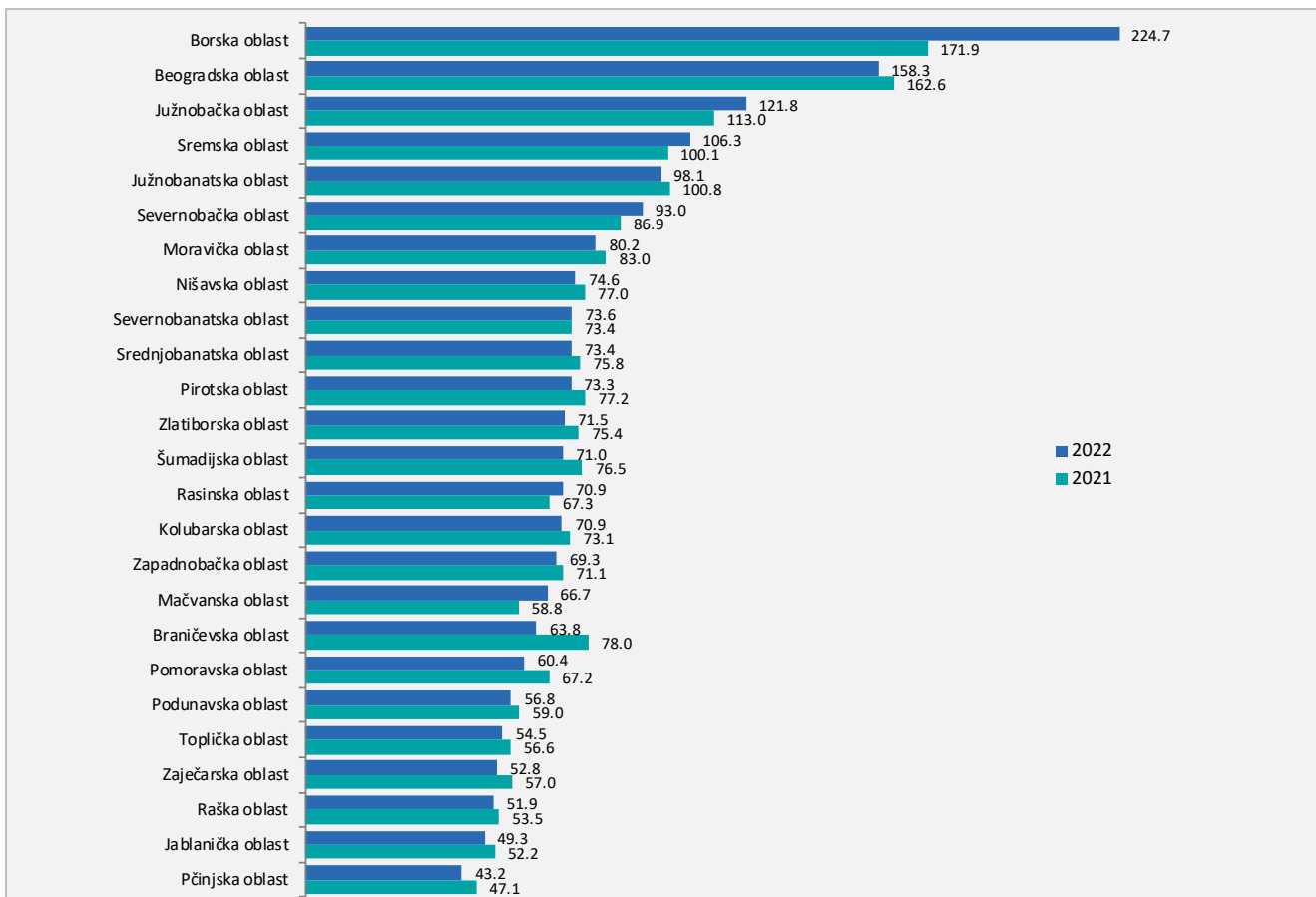
Graph. 6. Areas of the Republic of Serbia – Share of areas in total GVA of the Republic of Serbia, 2022 – 2021 (RSD millions)



Graph. 7. Areas of the Republic of Serbia – GVA per capita, 2022–2021 (RSD thousand)



Graph. 8. Areas of the Republic of Serbia – GVA per capita – Level indices, 2022–2021 (%)



◆ Regional GVA by activity

Table 4. Regions of the Republic of Serbia – Regional GVA by activity, 2022 (RSD million)

Name of activity	Republic of Serbia	Beogradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Extra regio
TOTAL	5 963 659	2 386 104	1 572 383	1 097 552	905 232	2 387
Agriculture, forestry and fishing	458 499	26 621	230 421	130 270	71 188	
Mining and quarrying; Manufacturing; Electricity, gas, steam and air conditioning supply; Water supply; sewerage, waste management and remediation activities	1 422 996	277 968	454 815	324 942	365 272	
Construction	391 931	197 316	81 178	68 293	45 144	
Wholesale and retail trade; repair of motor vehicles and motorcycles; Transportation and storage; Accommodation and food service activities	1 224 663	574 684	309 128	211 374	129 476	
Information and communication	359 238	271 659	53 815	17 954	15 810	
Financial and insurance activities	230 431	151 739	41 997	21 801	14 894	
Real estate activities	489 041	224 234	107 149	92 762	64 896	
Professional, scientific and technical activities; Administrative and support service activities	409 812	270 714	76 137	35 192	27 770	
Public administration and defence; compulsory social security; Education; Human health and social work activities	818 325	314 933	181 759	168 212	151 033	2 387
Arts, entertainment and recreation; Other services; Activities of households as employers; Undifferentiated goods and services producing activities of households for own use; U - Activities of extra-territorial organisations and bodies	158 723	76 236	35 984	26 752	19 750	

Graph. 9. Beogradski region – GVA by activity, 2022

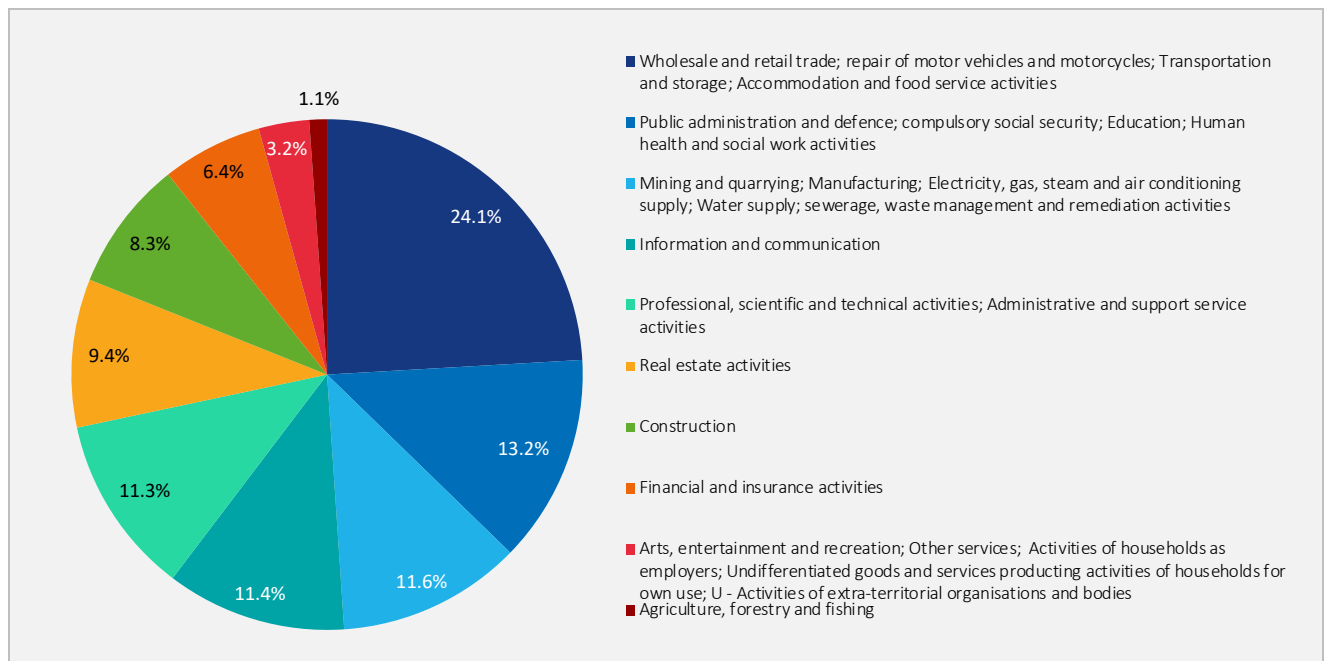


Table 5. Region Vojvodine and areas – Regional GVA by activity, 2022 (RSD million)

Name of activity	Region Vojvodine	Zapadno-bačka oblast	Južno-banatska oblast	Južno-bačka oblast	Severno-banatska oblast	Severno-bačka oblast	Srednjo-banatska oblast	Sremska oblast
TOTAL	1 572 383	96 172	229 050	662 264	78 017	133 629	104 048	269 204
Agriculture, forestry and fishing	230 421	26 911	38 343	55 801	22 601	21 178	27 444	38 143
Mining and quarrying; Manufacturing; Electricity, gas, steam and air conditioning supply; Water supply; sewerage, waste management and remediation activities	454 815	19 423	102 655	154 936	19 145	40 067	25 295	93 294
Construction	81 178	3 075	5 941	47 393	1 774	6 307	2 753	13 936
Wholesale and retail trade; repair of motor vehicles and motorcycles; Transportation and storage; Accommodation and food service activities	309 128	16 694	28 804	142 353	13 286	24 049	17 312	66 630
Information and communication	53 815	1 351	2 931	40 920	1 037	3 339	2 135	2 101
Financial and insurance activities	41 997	1 744	3 022	28 080	1 157	2 800	1 586	3 608
Real estate activities	107 149	7 475	12 849	46 976	4 906	10 317	7 379	17 248
Professional, scientific and technical activities; Administrative and support service activities	76 137	4 065	6 243	47 591	2 146	4 890	4 032	7 170
Public administration and defence; compulsory social security; Education; Human health and social work activities	181 759	13 449	24 353	80 839	10 270	16 396	13 755	22 697
Arts, entertainment and recreation; Other services; Activities of households as employers; Undifferentiated goods and services producing activities of households for own use; U - Activities of extra-territorial organisations and bodies	35 984	1 984	3 909	17 376	1 695	4 285	2 358	4 377

Graph. 10. Region Vojvodine – GVA by activity, 2022

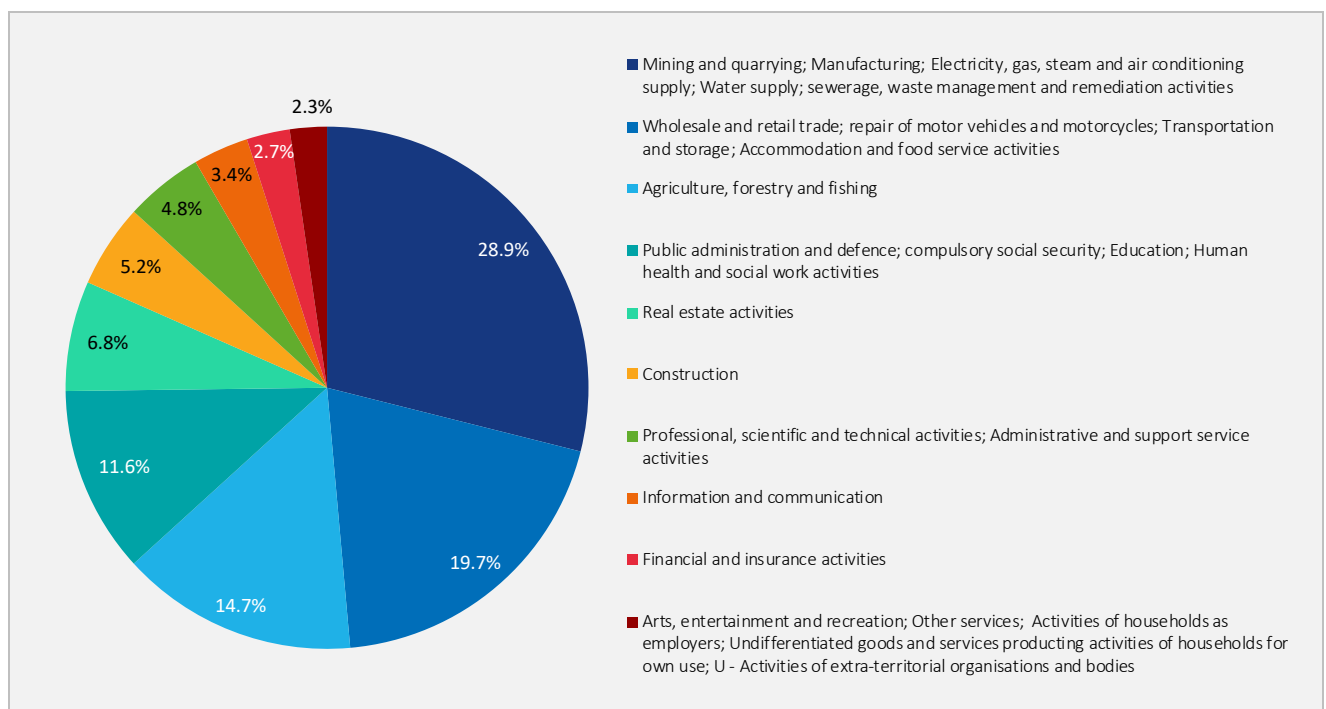


Table 6. Region Šumadije i Zapadne Srbije and areas – Regional GVA by activity, 2022 (RSD million)

Name of activity	Region Šumadije i Zapadne Srbije	Zlatiborska oblast	Kolubarska oblast	Mačvanska oblast	Mora-vička oblast	Pomo-ravska oblast	Rasin-ska oblast	Raška oblast	Šuma-dijska oblast
TOTAL	1 097 552	163 539	98 221	158 909	136 305	98 891	132 069	137 957	171 662
Agriculture, forestry and fishing	130 270	18 858	15 791	21 100	13 358	12 919	23 967	10 230	14 046
Mining and quarrying; Manufacturing; Electricity, gas, steam and air conditioning supply; Water supply; sewerage, waste management and remediation activities	324 942	56 957	29 424	52 167	46 392	23 368	35 842	24 462	56 329
Construction	68 293	10 704	6 677	10 283	4 459	7 403	10 314	10 140	8 313
Wholesale and retail trade; repair of motor vehicles and motorcycles; Transportation and storage; Accommodation and food service activities	211 374	27 290	14 733	27 910	34 662	18 434	22 726	33 047	32 572
Information and communication	17 954	2 507	1 616	1 898	2 061	1 744	1 396	3 237	3 495
Financial and insurance activities	21 801	3 179	1 905	3 078	3 495	1 758	2 318	2 384	3 684
Real estate activities	92 762	12 860	9 114	13 215	8 216	10 194	9 695	14 658	14 810
Professional, scientific and technical activities; Administrative and support service activities	35 192	4 407	3 279	4 996	4 027	3 274	3 872	4 458	6 880
Public administration and defence; compulsory social security; Education; Human health and social work activities	168 212	23 086	13 061	21 136	16 630	17 608	18 524	31 058	27 109
Arts, entertainment and recreation; Other services; Activities of households as employers; Undifferentiated goods and services producing activities of households for own use; U - Activities of extra-territorial organisations and bodies	26 752	3 690	2 622	3 126	3 004	2 189	3 416	4 283	4 422

Graph. 11. Region Šumadije i Zapadne Srbije – GVA by activity, 2022

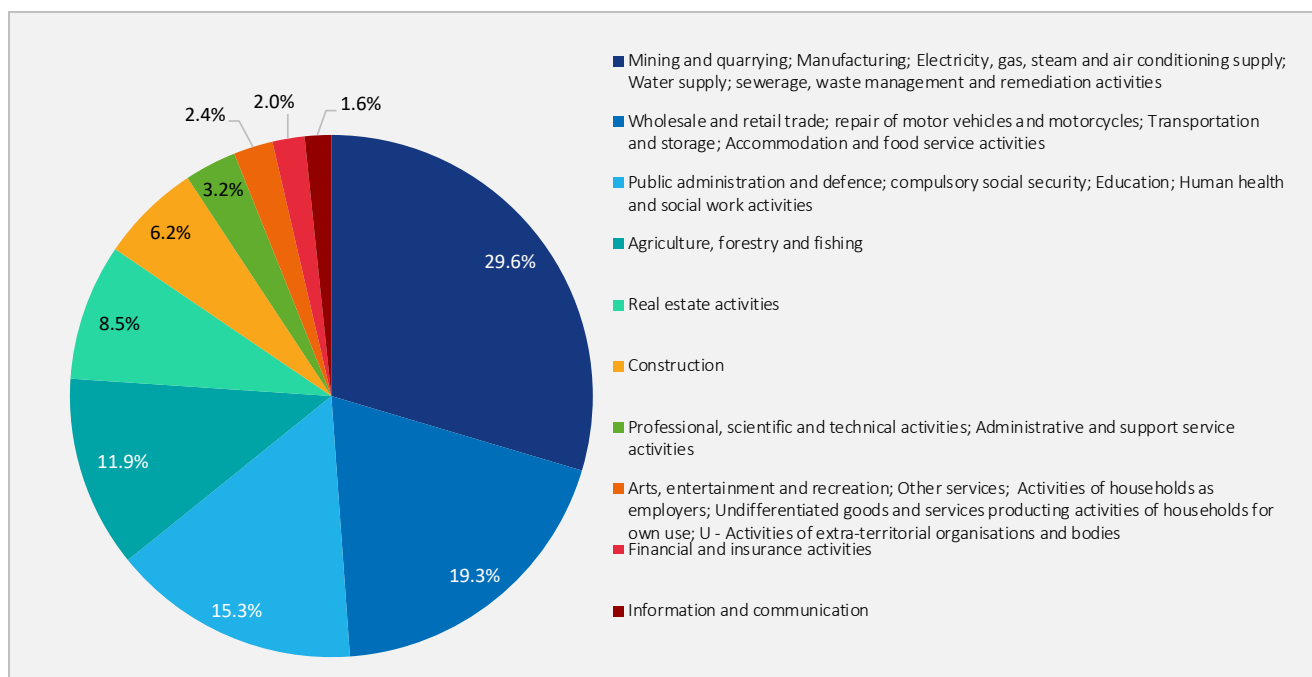
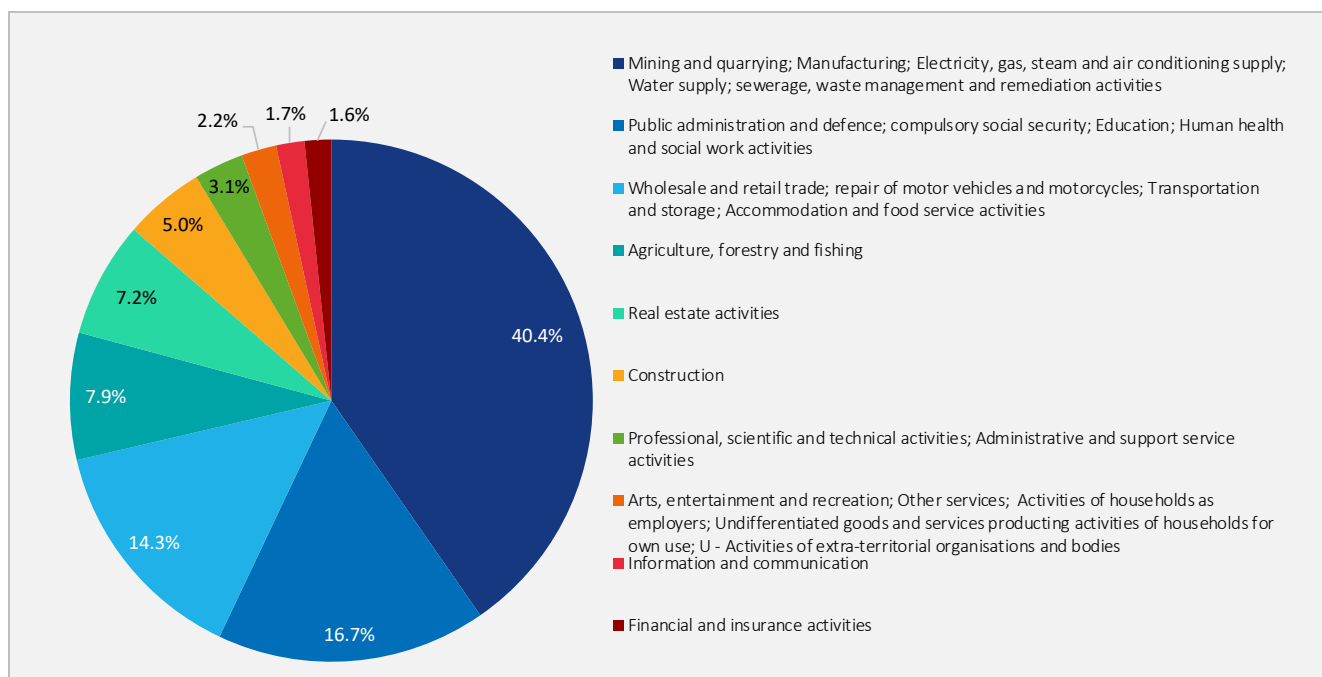


Table 7. Region Južne i Istočne Srbije and areas – Regional GVA by activity, 2022 (RSD million)

Name of activity	Region Južne i Istočne Srbije	Borska oblast	Braničevska oblast	Zaječarska oblast	Jablanička oblast	Nišavska oblast	Pirotska oblast	Podunavska oblast	Pčinjska oblast	Toplička oblast
TOTAL	905 232	204 567	89 723	45 928	81 773	230 236	50 506	89 565	75 092	37 843
Agriculture, forestry and fishing	71 188	7 336	12 369	7 578	8 750	10 232	3 783	9 044	6 130	5 965
Mining and quarrying; Manufacturing; Electricity, gas, steam and air conditioning supply; Water supply; sewerage, waste management and remediation activities	365 272	160 111	30 178	10 962	25 344	59 252	24 356	25 423	18 727	10 920
Construction	45 144	4 472	3 300	1 397	8 621	14 269	926	5 932	4 775	1 451
Wholesale and retail trade; repair of motor vehicles and motorcycles; Transportation and storage; Accommodation and food service activities	129 476	9 046	11 340	7 750	11 337	48 056	6 273	19 702	11 808	4 164
Information and communication	15 810	815	1 067	685	603	9 599	711	1 344	628	359
Financial and insurance activities	14 894	1 100	1 669	917	1 384	5 405	704	1 783	1 327	603
Real estate activities	64 896	5 600	9 681	4 564	6 300	17 599	3 834	7 468	6 805	3 046
Professional, scientific and technical activities; Administrative and support service activities	27 770	2 239	2 581	1 444	2 221	11 377	1 597	2 926	2 564	819
Public administration and defence; compulsory social security; Education; Human health and social work activities	151 033	12 174	15 393	9 523	15 425	48 084	7 090	13 600	20 109	9 634
Arts, entertainment and recreation; Other services; Activities of households as employers; Undifferentiated goods and services producing activities of households for own use; U - Activities of extra-territorial organisations and bodies	19 750	1 674	2 145	1 107	1 787	6 363	1 232	2 343	2 219	880

Graph. 12. Region Južne i Istočne Srbije – GVA by activity, 2022



◆ Regional GVA by activity, 2021 (revised data)

Table 8. Regions of the Republic of Serbia – Regional GVA by activity, 2021 (RSD million)

Name of activity	Republic of Serbia	Beogradski region	Region Vojvodine	Region Šumadije i Zapadne Srbije	Region Južne i Istočne Srbije	Extra regio
TOTAL	5 185 969	2 083 172	1 336 519	969 782	794 217	2 279
Agriculture, forestry and fishing	394 708	21 544	192 132	114 061	66 970	
Mining and quarrying; Manufacturing; Electricity, gas, steam and air conditioning supply; Water supply; sewerage, waste management and remediation activities	1 192 083	271 620	384 301	262 627	273 535	
Construction	376 412	201 899	73 354	60 528	40 632	
Wholesale and retail trade; repair of motor vehicles and motorcycles; Transportation and storage; Accommodation and food service activities	1 033 670	492 107	240 391	182 987	118 184	
Information and communication	321 397	243 635	46 832	17 521	13 409	
Financial and insurance activities	197 654	124 224	37 795	20 422	15 213	
Real estate activities	423 964	169 380	96 824	90 114	67 646	
Professional, scientific and technical activities; Administrative and support service activities	360 553	239 308	65 621	30 522	25 101	
Public administration and defence; compulsory social security; Education; Human health and social work activities	742 670	252 577	167 489	164 940	155 385	2 279
Arts, entertainment and recreation; Other services; Activities of households as employers; Undifferentiated goods and services producing activities of households for own use; U - Activities of extra-territorial organisations and bodies	142 857	66 876	31 781	26 059	18 141	

Table 9. Region Vojvodine and areas – Regional GVA by activity, 2021 (RSD million)

Name of activity	Region Vojvodine	Zapadno-bačka oblast	Južno-banatska oblast	Južno-bačka oblast	Severno-banatska oblast	Severno-bačka oblast	Srednjo-banatska oblast	Sremska oblast
TOTAL	1 336 519	89 726	208 410	529 101	73 619	115 706	97 632	222 325
Agriculture, forestry and fishing	192 132	24 515	33 311	43 317	18 814	18 002	22 880	31 294
Mining and quarrying; Manufacturing; Electricity, gas, steam and air conditioning supply; Water supply; sewerage, waste management and remediation activities	384 301	17 752	83 739	124 705	19 479	34 306	26 347	77 973
Construction	73 354	3 068	8 550	37 562	2 262	7 035	2 669	12 207
Wholesale and retail trade; repair of motor vehicles and motorcycles; Transportation and storage; Accommodation and food service activities	240 391	14 710	30 101	103 974	10 895	19 361	14 111	47 238
Information and communication	46 832	1 417	3 133	33 792	1 350	2 910	2 417	1 813
Financial and insurance activities	37 795	2 222	3 520	20 943	1 685	3 178	2 234	4 012
Real estate activities	96 824	7 155	12 516	39 406	5 342	8 766	7 734	15 905
Professional, scientific and technical activities; Administrative and support service activities	65 621	3 765	6 845	37 952	2 025	4 369	3 721	6 943
Public administration and defence; compulsory social security; Education; Human health and social work activities	167 489	13 305	22 757	72 296	10 302	14 310	13 527	20 992
Arts, entertainment and recreation; Other services; Activities of households as employers; Undifferentiated goods and services producing activities of households for own use; U - Activities of extra-territorial organisations and bodies	31 781	1 818	3 938	15 154	1 465	3 469	1 992	3 946

Table 10. Region Region Šumadije i Zapadne Srbije and areas – Regional GVA by activity, 2021 (RSD million)

Name of activity	Region Šumadije i Zapadne Srbije	Zlatiborska oblast	Kolubarska oblast	Mačvanska oblast	Mora-vička oblast	Pomoravska oblast	Rasińska oblast	Raška oblast	Šumadijska oblast
TOTAL	969 782	148 353	87 941	120 831	122 300	97 524	110 191	122 513	160 130
Agriculture, forestry and fishing	114 061	17 209	16 384	14 428	12 119	11 929	18 241	9 393	14 358
Mining and quarrying; Manufacturing; Electricity, gas, steam and air conditioning supply; Water supply; sewerage, waste management and remediation activities	262 627	43 570	21 324	36 174	43 551	22 945	31 536	19 232	44 295
Construction	60 528	12 867	4 512	9 526	4 589	6 192	6 742	8 835	7 265
Wholesale and retail trade; repair of motor vehicles and motorcycles; Transportation and storage; Accommodation and food service activities	182 987	26 055	11 960	24 716	27 294	17 014	20 146	28 774	27 028
Information and communication	17 521	2 746	1 206	1 582	1 911	1 594	1 086	3 494	3 902
Financial and insurance activities	20 422	3 125	2 049	2 150	2 783	1 942	2 059	2 431	3 882
Real estate activities	90 114	12 524	10 333	10 013	8 166	11 134	8 546	13 916	15 482
Professional, scientific and technical activities; Administrative and support service activities	30 522	4 172	2 867	4 045	3 438	3 358	3 158	3 825	5 659
Public administration and defence; compulsory social security; Education; Human health and social work activities	164 940	22 455	14 502	15 599	15 720	18 387	15 832	29 356	33 089
Arts, entertainment and recreation; Other services; Activities of households as employers; Undifferentiated goods and services producing activities of households for own use; U - Activities of extra-territorial organisations and bodies	26 059	3 630	2 804	2 596	2 727	3 029	2 845	3 258	5 169

Table 11. Region Južne i Istočne Srbije and areas – Regional GVA by activity, 2021 (RSD million)

Name of activity	Region Južne i Istočne Srbije	Borska oblast	Braničevska oblast	Zaječarska oblast	Jablanička oblast	Nišavska oblast	Pirotska oblast	Podunavska oblast	Pčinjska oblast	Toplička oblast
TOTAL	794 217	139 540	94 795	44 206	76 592	207 001	47 545	80 830	69 013	34 695
Agriculture, forestry and fishing	66 970	4 856	11 843	7 171	8 895	10 071	3 679	9 299	5 457	5 699
Mining and quarrying; Manufacturing; Electricity, gas, steam and air conditioning supply; Water supply; sewerage, waste management and remediation activities	273 535	105 942	33 334	9 410	19 000	42 147	21 220	18 490	15 533	8 458
Construction	40 632	2 511	3 767	1 289	7 512	13 351	860	5 713	4 137	1 491
Wholesale and retail trade; repair of motor vehicles and motorcycles; Transportation and storage; Accommodation and food service activities	118 184	8 318	12 239	6 724	11 661	43 799	5 129	16 947	9 983	3 384
Information and communication	13 409	649	697	645	486	8 571	597	900	417	446
Financial and insurance activities	15 213	1 021	1 701	1 009	1 426	5 280	879	1 733	1 501	665
Real estate activities	67 646	4 122	10 122	4 958	6 885	18 511	4 414	8 038	7 311	3 284
Professional, scientific and technical activities; Administrative and support service activities	25 101	1 704	2 730	1 497	2 248	9 490	1 426	3 123	2 128	756
Public administration and defence; compulsory social security; Education; Human health and social work activities	155 385	9 257	16 063	10 390	16 638	50 540	8 031	14 340	20 405	9 722
Arts, entertainment and recreation; Other services; Activities of households as employers; Undifferentiated goods and services producing activities of households for own use; U - Activities of extra-territorial organisations and bodies	18 141	1 161	2 299	1 113	1 841	5 239	1 309	2 247	2 140	791

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