# REPUBLIC OF SERBIA STATISTICAL OFFICE OF THE REPUBLIC OF SERBIA

# WORKING DADER

ISSN 1820 - 0141

# Unincorporated enterprises (sole-proprietorships and partnerships) in the Republic of Serbia, 2010

### Publisher:

Statistical Office of the Republic of Serbia Belgrade, 5, Milana Rakića St

For the publisher:

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# Unincorporated enterprises in the Republic of Serbia, 2010

## Methodological explanations

Considering the demands of the increasing number of users and striving for the harmonization of the operations with international standards and recommendations, the Statistical Office of the Republic of Serbia continues to publish the selected macroeconomic indicators for unincorporated enterprises in the edition "Working paper". This survey involves unincorporated enterprises i.e. sole-proprietorships and partnerships that performed business operations in 2010, based on the Tax administration records and the data available from the Serbian Business Registers Agency.

Within the international project envisaged for the development the national accounts system and GDP calculation, the SORS and its National Accounts Division adopted the recommendations and positive experiences of the European statistics that refer to the calculations of the most important macroeconomic aggregates for the institutional sector of households, of which unincorporated enterprises i.e. sole-proprietorships and partnerships are the mayor part.

When computing macroeconomic aggregates for this segment of the national economy, the Serbian and the European statisticians encounter almost the same problems: small scale of business and large number of unincorporated enterprises, high yearly frequency of newly started businesses and high "mortality rate" of enterprises, lack of stability regarding principal activity and employment, etc. Both in Europe and in our country, this section presents a "chronic" source of so-called non-observed economy. Such problems appear partly because of the mere nature of unincorporated business, i.e. the fact that entrepreneur's personal property is not separated from the business-related property and obligations. However, the greatest problems regarding statistics are of administrative and legal nature. Firstly, it is the fact that double-entry book keeping is not compulsory for unincorporated enterprises and they are not obliged to provide detailed financial reports that serve as the basis for the calculations of macroeconomic aggregates for incorporated enterprises. In such a situation, statisticians are compelled to provide estimated data, based on relatively small data volume that unincorporated enterprises deliver to tax authorities. The estimations presented are grounded on the Hungarian model of computation of the basic elements of national accounts system concerning unincorporated enterprises. This model originated from the French experience of statistical treatment of unincorporated enterprises.

The model is based on the assumption that business conditions of sole-proprietorships and the way their business is organized are very similar to the conditions and business methods of micro *incorporated* enterprises (corporations or limited liability companies), meaning that certain corresponding indicators noticed in statistical treatment of micro enterprises can be also applied to unincorporated enterprises (with some corrections envisaged). In French statistics, almost all elements of national accounts related to unincorporated enterprises (number of employees, stocks changes, investments, interest paid, etc.) are estimated in the before mentioned way, simply applying corresponding coefficients of micro enterprises<sup>1</sup>. The fact that we possess certain (not small) number of financial reports of unincorporated enterprises (about 20 000) makes the whole process easier than in majority of the European countries. Such valuable data, together with the data on taxable income, wages and salaries and number of employees (available from the Serbian Tax administration) have been used as the grounds for our calculations. Moreover, for the calculations we used the indicators derived from the financial statements of micro and small-sized incorporated enterprises concerning turnover, value added, the structure of value added, earnings per employee, etc. In estimating the number of employees, as supplementary data we used LFS (Labour Force Survey) data. This is due the fact that in the EU countries, LFS is considered as a primary data source for the estimation of formal and informal employment.

Finally, it should be noted that every *estimated* figure also anticipates certain bigger or smaller level of reliability; however, taking into account the data availability, as well as the specific features of sole-proprietorships in Serbia, these results present the best that can be provided for the time being. Expectedly, in the forthcoming years, both volume and quality of the available data will be upgraded, and together with the improved methodology, better and more precise results will be ensured.

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<sup>&</sup>lt;sup>1</sup> Using Business Accounts to compile National Accounts: The French Experience, Patrick Augeraud, Institut national de la statistique et des etudes economiques, France i Jean-Etienne Chapron, United Nations Statistics Division and Links between business Accounting and National Accounting, United Nations, New York, 2000.

The processed results are obtained for: (1) number of unincorporated enterprises, (2) number of employees, (3) turnover and (4) gross value added. Concerning the territorial distribution, the data are expressed for the level NUTS 1: Serbia – North and Serbia South and the level of regions, NUTS-2: the region of Belgrade, the region of Vojvodina, the region of Šumadija and Western Serbia, the region of Sothern and Eastern Serbia. Regarding activities, the results are presented according to the sections and subsections of the new, NACE Rev. 2 classification of economic activities:

Section A Agriculture, forestry and fishing

Section B Mining and quarrying Section C Manufacturing

Subsection CA Manufacture of food products, beverages and tobacco products
Subsection CB Manufacture of textiles, wearing apparel, leather and related products

Subsection CC Manufacture of wood and paper products, and printing Subsection CD Manufacture of coke and refined petroleum products Subsection CE Manufacture of chemicals and chemical products

Subsection CF Manufacture pharmaceuticals, medicinal chemical and botanical products

Subsection CG Manufacture of rubber and plastic products, and other non-metallic mineral products

Subsection CH Manufacture of basic metals and fabricated metal products, except machinery and equipment

Subsection CI Manufacture of computers, electronic and optical products

Subsection CJ Manufacture of electrical equipment Subsection CK Manufacture of machinery n.e.c. Subsection CL Manufacture of transport equipment

Subsection CM Other manufacturing and repair and installation of machinery and equipment

Section D Electricity, gas, steam and air conditioning supply

Section E Water supply; sewerage, waste management and remediation activities

Section F Construction

Section G Wholesale and retail trade; repair of motor vehicles and motorcycles

Section H Transportation and storage

Section I Accommodation and food service activities

Section J Information and communication

Subsection JA Publishing, audiovisual and broadcasting activities

Subsection JB Telecommunications

Subsection JC IT and other information services Section K Financial and insurance activities

Section L Real estate activities

Section M Professional, scientific and technical activities

Subsection MA Legal, accounting, management, architecture, engineering, technical testing and analysis activities

Subsection MB Scientific research and development

Subsection MC Other professional, scientific and technical activities Section N Administrative and support service activities

Section O Public administration and defence; compulsory social security

Section P Education

Section Q Human health and social work Subsection QA Human health activities

Subsection QB Residential care and social work activities Section R Arts. entertainment and recreation

Section S Other service activities

Section T Activities of households as employers; undifferentiated goods- and services- producing activities of

households for own use

Section U Activities of extraterritorial organizations and bodies

#### The features are defined as follows:

- Turnover receipts from sales (goods, and products and services as well);
- Gross value added (at base prices), as difference between output and intermediate consumption.

# 1. Number of unincorporated enterprises (estimate), 2010

|   | Republic of Serbia |                   |                   |                       |                        |   |   |
|---|--------------------|-------------------|-------------------|-----------------------|------------------------|---|---|
| Activity  | Total              | Serbia –<br>north | Serbia –<br>south | Region of<br>Belgrade | Region of<br>Vojvodina | Region of<br>Šumadija<br>and<br>Western<br>Serbia | Region of<br>Southern<br>and<br>Eastern<br>Serbia |
| Total   | 228 680            | 119 127           | 109 553           | 58 444                | 60 683                 | 68 068  | 41 485  |
| Agriculture, forestry and fishing   | 2 511              | 1 034             | 1 478             | 294                   | 740                    | 781   | 696   |
| Mining and quarrying  | 131                | 12                | 119               | 3                     | 8                      | 68  | 51  |
| Manufacturing Manufacture of food products, beverages and                           | 37 171             | 16 816            | 20 355            | 6 936                 | 9 880                  | 13 146  | 7 209   |
| tobacco products  | 7 865              | 3 424             | 4 441             | 1 206                 | 2 218                  | 2 797   | 1 643   |
| Manufacture of textiles, wearing apparel, leather and                               |                    |                   |                   |                       |                        |   |   |
| related products  | 6 294              | 2 915             | 3 379             | 1 428                 | 1 487                  | 2 139   | 1 240   |
| Manufacture of wood and paper products, and printing                                | 6 497              | 2 667             | 3 831             | 1 124                 | 1 542                  | 2 543   | 1 288   |
| Manufacture of coke and refined petroleum products                                  | 0 437              | 2 007             | 3 03 1            | 1 124                 | 1 342                  | 2 343   | 1 200   |
| Manufacture of chemicals and chemical products                                      | 416                | 160               | 256               | 61                    | 98                     | 141   | 115   |
| Manufacture pharmaceuticals, medicinal chemical                                     |                    |                   |                   |                       |                        |   |   |
| and botanical products  | 1                  | 1                 | -                 | -                     | 1                      | -   | -   |
| Manufacture of rubber and plastic products, and other non-metallic mineral products | 4 019              | 1 817             | 2 202             | 593                   | 1 224                  | 1 459   | 744   |
| Manufacture of basic metals and fabricated metal                                    | 7013               | 1017              | 2 202             | 333                   | 1 227                  | 1 400   | 7-7-7   |
| products, except machinery and equipment  | 5 855              | 2 776             | 3 078             | 1 056                 | 1 720                  | 2 071   | 1 007   |
| Manufacture of computers, electronic and optical                                    |                    |                   |                   |                       |                        |   |   |
| products Manufacture of electrical equipment  | 715                | 382               | 333               | 151                   | 231                    | 156   | 176   |
| Manufacture of electrical equipment Manufacture of machinery n.e.c.                 | 300<br>449         | 154<br>204        | 146<br>246        | 88<br>76              | 66<br>127              | 77<br>166   | 69<br>80  |
| Manufacture of transport equipment  | 181                | 104               | 76                | 35                    | 70                     | 52  | 24  |
| Other manufacturing and repair and installation of                                  | 101                | 104               | 70                | 33                    | 70                     | 32  | 27  |
| machinery and equipment   | 4 579              | 2 212             | 2 367             | 1 118                 | 1 094                  | 1 545   | 822   |
| Electricity, gas, steam and air conditioning  |                    |                   |                   |                       |                        |   |   |
| supply  | 22                 | 4                 | 19                | 1                     | 2                      | 5   | 14  |
| Water supply; sewerage, waste management and  | 224                | 450               | 460               | 25                    | 424                    | 440   | 44  |
| remediation activities Construction   | 321<br>20 046      | 159<br>10 088     | 162<br>9 958      | 35<br>4 763           | 124<br>5 325           | 118<br>6 047                                      | 44<br>3 912                                       |
| Wholesale and retail trade; repair of motor   | 20 040             | 10 000            | 3 330             | 4 7 0 3               | 3 323                  | 0 041   | 3 312   |
| vehicles and motorcycles  | 64 844             | 29 598            | 35 246            | 12 686                | 16 912                 | 20 990  | 14 256  |
| Transportation and storage  | 26 189             | 16 471            | 9 718             | 9 780                 | 6 691                  | 6 502   | 3 216   |
| Accommodation and food service activities   | 18 206             | 8 559             | 9 647             | 3 301                 | 5 258                  | 6 068   | 3 580   |
| Information and communication   | 3 569              | 2 577             | 993               | 1 664                 | 912                    | 599   | 394   |
| Publishing, audiovisual and broadcasting activities                                 | 1 207              | 910               | 297               | 640                   | 270                    | 192   | 105   |
| Telecommunications  | 155                | 83                | 71                | 45                    | 38                     | 32  | 39  |
| IT and other information services   | 2 208              | 1 584             | 625               | 979                   | 604                    | 376   | 249   |
| Financial and insurance activities Real estate activities                           | 1 643<br>771       | 882<br>522        | 761<br>249        | 446<br>329            | 436<br>193             | 424<br>153  | 337<br>96   |
| Professional, scientific and technical activities                                   | 24 365             | 15 590            | 8 775             | 9 285                 | 6 305                  | 5 347   | 3 428   |
| Legal, accounting, management, architecture,  |                    |                   |                   |                       |                        |   |   |
| engineering, technical testing and analysis activities                              | 18 818             | 12 079            | 6 739             | 7 165                 | 4 913                  | 4 089   | 2 650   |
| Scientific research and development   | 12                 | 6                 | 6                 | 3                     | 2                      | 2   | 4   |
| Other professional, scientific and technical activities                             | 5 535              | 3 506             | 2 030             | 2 116                 | 1 389                  | 1 256   | 774   |
| Administrative and support service activities                                       | 4 348              | 2 678             | 1 670             | 1 394                 | 1 284                  | 1 052   | 617   |
| Public administration and defence; compulsory                                       |                    |                   |                   |                       |                        |   |   |
| social security   | - 006              | 700               | 277               | 200                   | 220                    | 174   | 104   |
| Education Human health and social work  | 986<br>4 012       | 709<br>2 436      | 277<br>1 576      | 389<br>1 580          | 320<br>856             | 174<br>946  | 104<br>630  |
| Human health activities   | 3 940              | 2 382             | 1 558             | 1 543                 | 839                    | 933   | 626   |
| Residential care and social work activities   | 72                 | 54                | 18                | 37                    | 17                     | 13  | 5   |
| Arts, entertainment and recreation  | 1 461              | 935               | 525               | 549                   | 386                    | 325   | 201   |
| Other service activities  | 18 084             | 10 058            | 8 025             | 5 009                 | 5 050                  | 5 324   | 2 701   |
| Activities of households as employers;  |                    |                   |                   |                       |                        |   |   |
| undifferentiated goods- and services- producing                                     |                    |                   |                   |                       |                        |   |   |
| activities of households for own use  | -                  | -                 | -                 | -                     | -                      | -   | -   |
| Activities of extraterritorial organizations and bodies                             |                    |                   |                   |                       |                        |   |   |
| DOMIGG  | · -                | -                 | -                 | -                     | -                      | -   | -   |

# 2. Number of employees (estimate), 2010

|   |                 |                   | Re                | public of Se          | rbia                   |   |   |
|---|-----------------|-------------------|-------------------|-----------------------|------------------------|---|---|
| Activity  | Total           | Serbia –<br>north | Serbia –<br>south | Region of<br>Belgrade | Region of<br>Vojvodina | Region of<br>Šumadija<br>and<br>Western<br>Serbia | Region of<br>Southern<br>and<br>Eastern<br>Serbia |
| Total   | 232 176         | 115 246           | 116 930           | 49 196                | 66 050                 | 69 387  | 47 543  |
| Agriculture, forestry and fishing   | 1 135           | 606               | 528               | 93                    | 514                    | 332   | 196   |
| Mining and quarrying  | 134             | 15                | 119               |                       | 15                     | 56  | 64  |
| Manufacturing Manufacture of food products, beverages and                           | 57 915          | 27 071            | 30 844            | 9 056                 | 18 015                 | 19 164  | 11 679  |
| tobacco products  | 23 893          | 12 280            | 11 613            | 4 041                 | 8 240                  | 6 484   | 5 129   |
| Manufacture of textiles, wearing apparel, leather and                               |                 |                   |                   |                       |                        |   |   |
| related products  | 9 135           | 3 100             | 6 035             | 1 302                 | 1 799                  | 4 229   | 1 806   |
| Manufacture of wood and paper products, and   | 6.410           | 2 426             | 2 002             | 7/12                  | 1 604                  | 2 665   | 1 210   |
| printing  Manufacture of coke and refined petroleum products                        | 6 419           | 2 436             | 3 983             | 743                   | 1 694                  | 2 000   | 1 318   |
| Manufacture of chemicals and chemical products                                      | 385             | 176               | 209               | 64                    | 111                    | 158   | 52  |
| Manufacture pharmaceuticals, medicinal chemical                                     |                 |                   |                   |                       |                        |   |   |
| and botanical products  | 2               | 2                 |                   |                       | 2                      |   |   |
| Manufacture of rubber and plastic products, and other non-metallic mineral products | 5 130           | 2 610             | 2 521             | 532                   | 2 078                  | 1 661   | 859   |
| Manufacture of basic metals and fabricated metal                                    | 3 130           | 2010              | 2 32 1            | 332                   | 2010                   | 1 00 1  | 039   |
| products, except machinery and equipment  | 5 737           | 3 012             | 2 725             | 841                   | 2 172                  | 1 721   | 1 004   |
| Manufacture of computers, electronic and optical                                    |                 |                   |                   |                       |                        |   |   |
| products  | 732             | 376               | 356               | 116                   | 260                    | 124   | 232   |
| Manufacture of electrical equipment   | 435<br>842      | 238<br>401        | 197<br>441        | 155                   | 83                     | 103   | 94<br>99  |
| Manufacture of machinery n.e.c.  Manufacture of transport equipment                 | 342             | 244               | 98                | 101<br>162            | 299<br>82              | 343<br>84   | 14  |
| Other manufacturing and repair and installation of                                  | 342             | 244               | 90                | 102                   | 02                     | 04  | 14  |
| machinery and equipment   | 4 861           | 2 195             | 2 666             | 999                   | 1 196                  | 1 593   | 1 073   |
| Electricity, gas, steam and air conditioning  |                 |                   |                   |                       |                        |   |   |
| supply  | 10              | -                 | 10                | -                     | -                      | -   | 10  |
| Water supply; sewerage, waste management and  | 0.455           | 4 00=             |                   | 400                   | 4.040                  | 0.45  | 040   |
| remediation activities Construction   | 2 155<br>13 624 | 1 627<br>6 454    | 528<br>7 170      | 409<br>2 381          | 1 218<br>4 073         | 315<br>4 020                                      | 213<br>3 150                                      |
| Wholesale and retail trade; repair of motor   | 13 024          | 0 434             | 7 170             | 2 301                 | 4073                   | 4 020   | 3 150   |
| vehicles and motorcycles  | 86 488          | 40 427            | 46 061            | 17 179                | 23 248                 | 26 709  | 19 352  |
| Transportation and storage  | 3 928           | 1 417             | 2 512             | 411                   | 1 005                  | 1 713   | 798   |
| Accommodation and food service activities   | 25 045          | 12 306            | 12 739            | 5 873                 | 6 433                  | 7 769   | 4 970   |
| Information and communication   | 1 200           | 762               | 438               | 354                   | 408                    | 265   | 174   |
| Publishing, audiovisual and broadcasting activities                                 | 412             | 298               | 114               | 138                   | 160                    | 68  | 47  |
| Telecommunications  | 118             | 65                | 53                | 11                    | 55                     | 17  | 36  |
| IT and other information services   | 670             | 399               | 271               | 206                   | 194                    | 180   | 92  |
| Financial and insurance activities Real estate activities                           | 2 501<br>568    | 1 497<br>322      | 1 004<br>246      | 704<br>189            | 793<br>133             | 508<br>162  | 497<br>84   |
| Professional, scientific and technical activities                                   | 13 494          | 7 543             | 5 951             | 3 459                 | 4 083                  | 3 331   | 2 620   |
| Legal, accounting, management, architecture,  |                 |                   | 0 001             | 0 .00                 |                        | 0 001   | _ 0_0   |
| engineering, technical testing and analysis activities                              | 10 575          | 6 036             | 4 538             | 2 649                 | 3 387                  | 2 496   | 2 042   |
| Scientific research and development   | 2               |                   | 2                 |                       |                        | 1   | 1   |
| Other professional, scientific and technical activities                             | 2 917           | 1 506             | 1 411             | 810                   | 696                    | 834   | 577   |
| Administrative and support service activities                                       | 3 490           | 1 827             | 1 663             | 883                   | 944                    | 839   | 824   |
| Public administration and defence; compulsory                                       |                 |                   |                   |                       |                        |   |   |
| social security Education   | -<br>854        | 614               | 239               | 327                   | 287                    | -<br>128  | 111   |
| Human health and social work  | 5 789           | 3 938             | 1 852             | 2 632                 | 1 306                  | 1 064   | 787   |
| Human health activities   | 5 675           | 3 856             | 1 819             | 2 567                 | 1 289                  | 1 050   | 769   |
| Residential care and social work activities   | 115             | 82                | 33                | 65                    | 16                     | 15  | 18  |
| Arts, entertainment and recreation  | 700             | 469               | 231               | 307                   | 162                    | 139   | 92  |
| Other service activities  | 13 146          | 8 351             | 4 795             | 4 938                 | 3 414                  | 2 873   | 1 921   |
| Activities of households as employers;  |                 |                   |                   |                       |                        |   |   |
| undifferentiated goods- and services- producing                                     |                 |                   |                   |                       |                        |   |   |
| activities of households for own use  | -               | -                 | -                 | -                     | -                      | -   | -   |
| Activities of extraterritorial organizations and bodies                             |                 |                   |                   |                       |                        |   |   |
| DOMING  |                 | -                 | -                 | -                     | -                      | -   | -   |

# 3. Turnover made by unincorporated enterprises - shops (estimate), 2010

RSD, million

|   | RSD, Million       |                       |                       |                       |                        |   |   |
|---|--------------------|-----------------------|-----------------------|-----------------------|------------------------|---|---|
|   |                    |                       | Re                    | public of Se          | тыа                    | T = -   |   |
| Activity  | Total              | Serbia –<br>north     | Serbia –<br>south     | Region of<br>Belgrade | Region of<br>Vojvodina | Region of<br>Šumadija<br>and<br>Western<br>Serbia | Region of<br>Southern<br>and<br>Eastern<br>Serbia |
| Total   | 805 140            | 433 113               | 372 027               | 219 551               | 213 562                | 230 568   | 141 460   |
| Agriculture, forestry and fishing   | 5 738              | 2 823                 | 2 915                 | 845                   | 1 978                  |   | 1 187   |
| Mining and quarrying  | 274                | 26                    | 247                   |                       | 21                     |   | 118   |
| Manufacturing   | 163 348            | 83 866                | 79 482                | 35 437                | 48 429                 | 51 795  | 27 687  |
| Manufacture of food products, beverages and   | 60.440             | 22 625                | 20.706                | 12 111                | 20.404                 | 17 200  | 11 207  |
| tobacco products  Manufacture of textiles, wearing apparel, leather and                             | 62 412             | 33 625                | 28 786                | 13 141                | 20 484                 | 17 389  | 11 397  |
| related products  | 20 392             | 8 856                 | 11 536                | 4 691                 | 4 165                  | 8 019   | 3 517   |
| Manufacture of wood and paper products, and   | 20 002             | 0 000                 | 11 000                | 1001                  | 1 100                  | 0 0 10  | 0011  |
| printing  | 21 101             | 9 138                 | 11 964                | 3 776                 | 5 361                  | 8 224   | 3 740   |
| Manufacture of coke and refined petroleum products  | -                  | -                     | -                     | -                     | -                      | -   | -   |
| Manufacture of chemicals and chemical products  | 1 453              | 649                   | 803                   | 289                   | 360                    | 568   | 235   |
| Manufacture pharmaceuticals, medicinal chemical   |                    | _                     |                       |                       | _                      |   |   |
| and botanical products  | 6                  | 6                     | -                     | -                     | 6                      | -   | -   |
| Manufacture of rubber and plastic products, and   | 17 412             | 0.006                 | 9 406                 | 2 000                 | 6 107                  | 5 852   | 2 554   |
| other non-metallic mineral products  Manufacture of basic metals and fabricated metal               | 17 412             | 9 006                 | 8 406                 | 2 900                 | 6 107                  | 0 002   | 2 554   |
| products, except machinery and equipment  | 19 062             | 10 892                | 8 169                 | 4 496                 | 6 396                  | 5 649   | 2 520   |
| Manufacture of computers, electronic and optical  |                    |                       |                       |                       |                        |   |   |
| products  | 2 454              | 1 348                 | 1 106                 | 561                   | 787                    | 403   | 703   |
| Manufacture of electrical equipment   | 1 352              | 850                   |                       |                       | 266                    |   | 252   |
| Manufacture of machinery n.e.c.   | 1 982              | 1 043                 | 939                   |                       | 634                    |   | 195   |
| Manufacture of transport equipment  | 754                | 528                   | 226                   | 291                   | 237                    | 173   | 53  |
| Other manufacturing and repair and installation of  | 14.060             | 7 925                 | 7.042                 | 4 200                 | 2 627                  | 4 504   | 2 520   |
| machinery and equipment Electricity, gas, steam and air conditioning                                | 14 968             | 7 925                 | 7 043                 | 4 298                 | 3 627                  | 4 524   | 2 520   |
| supply  | 25                 | 4                     | 21                    | 2                     | 2                      | 4   | 17  |
| Water supply; sewerage, waste management and  |                    |                       |                       |                       |                        |   |   |
| remediation activities  | 2 638              | 1 945                 | 694                   | 555                   | 1 390                  | 451   | 242   |
| Construction  | 50 040             | 27 403                | 22 637                | 14 141                | 13 262                 | 13 800  | 8 836   |
| Wholesale and retail trade; repair of motor   | 400 404            | 004404                | 400.057               | 404.050               | 400.045                | 440.700   | 70 400  |
| vehicles and motorcycles  | 403 421            | 204 164               | 199 257<br>12 009     | 101 350               | 102 815                |   | 79 489  |
| Transportation and storage Accommodation and food service activities                                | 33 085<br>51 935   | 21 075<br>27 888      | 24 047                |                       | 7 845<br>13 761        | 8 198<br>15 326                                   | 3 811<br>8 721                                    |
| Information and communication   | 5 195              | 3 930                 | 1 266                 |                       |                        |   | 482   |
| Publishing, audiovisual and broadcasting activities   | 2 006              | 1 608                 | 398                   |                       | 481                    | 254   | 144   |
| Telecommunications  | 242                | 143                   | 99                    |                       | 79                     | 40  | 59  |
| IT and other information services   | 2 947              | 2 179                 | 768                   | 1 413                 | 766                    | 488   | 280   |
| Financial and insurance activities  | 2 788              | 1 749                 | 1 039                 |                       | 851                    |   | 472   |
| Real estate activities  | 1 493              | 1 046                 |                       |                       | 316                    |   | 160   |
| Professional, scientific and technical activities   | 35 881             | 24 604                | 11 277                | 15 305                | 9 299                  | 6 919   | 4 358   |
| Legal, accounting, management, architecture, engineering, technical testing and analysis activities | 28 422             | 19 632                | 8 790                 | 12 123                | 7 509                  | 5 362   | 3 428   |
| Scientific research and development   | 13                 | 7                     |                       |                       | 2                      |   | 4   |
| Other professional, scientific and technical activities   | 7 445              | 4 965                 | 2 481                 | 3 177                 | 1 787                  |   | 926   |
| Administrative and support service activities   | 6 654              | 4 297                 | 2 357                 | 2 436                 | 1 861                  | 1 401   | 956   |
| Public administration and defence; compulsory   |                    |                       |                       |                       |                        |   |   |
| social security   | 4 4 4 4            |                       | -                     |                       |                        | -   | -   |
| Education   | 1 815              | 1 399                 | 416                   |                       | 544<br>1 506           |   | 166   |
| Human health and social work Human health activities  | <b>7 246</b> 7 120 | <b>4 769</b><br>4 671 | <b>2 477</b><br>2 449 |                       | <b>1 596</b><br>1 575  |   | <b>935</b><br>925                                 |
| Residential care and social work activities   | 126                | 98                    | 2 449                 |                       | 22                     |   | 11  |
| Arts, entertainment and recreation  | 1 876              | 1 327                 | 549                   |                       | 429                    |   | 203   |
| Other service activities  | 31 687             | 20 797                |                       |                       | 7 837                  |   | 3 618   |
| Activities of households as employers;  |                    |                       |                       |                       |                        |   |   |
| undifferentiated goods- and services- producing   |                    |                       |                       |                       |                        |   |   |
| activities of households for own use  | -                  | -                     | -                     | -                     | -                      | -   | -   |
| Activities of extraterritorial organizations and bodies   |                    |                       |                       |                       |                        |   |   |
| DOUIG3  | ı -                | -                     | -                     | -                     | -                      | -   | -   |

# 4. Gross value added (estimate), 2010

RSD, million

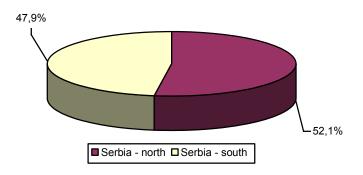
|   | RSD, million       |                   |                   |                       |                        |   |   |
|---|--------------------|-------------------|-------------------|-----------------------|------------------------|---|---|
|   | Republic of Serbia |                   |                   |                       |                        |   |   |
| Activity  | Total              | Serbia –<br>north | Serbia –<br>south | Region of<br>Belgrade | Region of<br>Vojvodina | Region of<br>Šumadija<br>and<br>Western<br>Serbia | Region of<br>Southern<br>and<br>Eastern<br>Serbia |
| Total   | 185 300            | 103 297           | 82 002            | 52 948                | 50 350                 | 51 273  | 30 729  |
| Agriculture, forestry and fishing   | 1 409              | 678               | 731               | 196                   | 482                    | 418   | 313   |
| Mining and quarrying  | 106                |                   | 96                |                       |                        |   | 46  |
| Manufacturing   | 38 544             | 19 501            | 19 043            | 8 014                 | 11 487                 | 12 458  | 6 586   |
| Manufacture of food products, beverages and tobacco products                                | 11 710             | 6 220             | 5 490             | 2 314                 | 3 907                  | 3 279   | 2 211   |
| Manufacture of textiles, wearing apparel, leather and                                       | 11710              | 0 220             | 0 400             | 2014                  | 0 001                  | 0210  | 2211  |
| related products  | 6 341              | 2 695             | 3 646             | 1 376                 | 1 319                  | 2 547   | 1 099   |
| Manufacture of wood and paper products, and   | F 000              | 0.040             | 2 022             | 007                   | 4.075                  | 0.004   | 000   |
| printing  Manufacture of coke and refined petroleum products                                | 5 233              | 2 312             | 2 922             | 937                   | 1 375                  | 2 001   | 920   |
| Manufacture of chemicals and chemical products  | 348                | 153               | 195               |                       |                        | 136   | 59  |
| Manufacture pharmaceuticals, medicinal chemical   |                    |                   |                   |                       |                        |   |   |
| and botanical products  | 2                  | 2                 | -                 | -                     | 2                      | -   | -   |
| Manufacture of rubber and plastic products, and other non-metallic mineral products         | 3 972              | 2 094             | 1 878             | 609                   | 1 485                  | 1 302   | 576   |
| Manufacture of basic metals and fabricated metal  | 3912               | 2 034             | 1070              | 009                   | 1 403                  | 1 302   | 370   |
| products, except machinery and equipment  | 5 291              | 2 996             | 2 295             | 1 173                 | 1 822                  | 1 578   | 717   |
| Manufacture of computers, electronic and optical  |                    |                   |                   |                       |                        |   |   |
| products  | 643                | 347               | 296               |                       |                        |   |   |
| Manufacture of electrical equipment   | 397<br>593         |                   | 153<br>285        |                       |                        |   |   |
| Manufacture of machinery n.e.c.  Manufacture of transport equipment                         | 208                | 142               |                   |                       | 64                     |   | 15  |
| Other manufacturing and repair and installation of  | 200                |                   | 00                | , ,                   | 0.                     | 01  |   |
| machinery and equipment   | 3 806              | 1 989             | 1 817             | 1 046                 | 943                    | 1 159   | 658   |
| Electricity, gas, steam and air conditioning  | 40                 | •                 | 40                |                       |                        | •   | •   |
| supply Water supply; sewerage, waste management and   | 12                 | 2                 | 10                | 1                     | 1                      | 2   | 8   |
| remediation activities  | 819                | 601               | 218               | 161                   | 440                    | 140   | 78  |
| Construction  | 14 727             | 7 947             | 6 780             | 3 948                 | 3 999                  | 4 105   | 2 675   |
| Wholesale and retail trade; repair of motor   |                    |                   |                   |                       |                        |   |   |
| vehicles and motorcycles  | 55 112             |                   | 27 383            |                       |                        |   | 10 954  |
| Transportation and storage Accommodation and food service activities                        | 14 772<br>15 672   | 9 262<br>8 265    | 5 511<br>7 407    |                       | 3 606<br>4 246         |   | 1 768<br>2 705                                    |
| Information and communication   | 2 312              | 1 716             | 596               |                       | 604                    | 365   | 231   |
| Publishing, audiovisual and broadcasting activities   | 769                | 607               | 162               |                       | 180                    |   | 59  |
| Telecommunications  | 117                | 68                | 49                |                       | 39                     |   | 29  |
| IT and other information services   | 1 426              |                   | 385               |                       |                        |   |   |
| Financial and insurance activities Real estate activities                                   | 1 619<br>578       | 1 001<br>398      | 617<br>180        |                       | 507<br>126             |   |   |
| Professional, scientific and technical activities   | 17 935             | 12 089            | 5 846             |                       |                        |   |   |
| Legal, accounting, management, architecture,  | 555                |                   |                   |                       |                        |   |   |
| engineering, technical testing and analysis activities                                      | 14 136             | 9 635             | 4 501             | 5 772                 | 3 863                  | 2 726   | 1 775   |
| Scientific research and development   | 8                  | 4                 | 4                 |                       |                        | 2   |   |
| Other professional, scientific and technical activities                                     | 3 791              | 2 449             | 1 341             |                       | 929                    |   | 513   |
| Administrative and support service activities Public administration and defence; compulsory | 3 190              | 2 028             | 1 162             | 1 116                 | 912                    | 686   | 476   |
| social security   | -                  | _                 | -                 | -                     | -                      | -   | -   |
| Education   | 826                | 630               | 196               |                       |                        |   |   |
| Human health and social work  | 4 208              | 2 721             | 1 488             |                       |                        |   |   |
| Human health activities   | 4 134              |                   | 1 470             |                       |                        |   | 559   |
| Residential care and social work activities  Arts, entertainment and recreation             | 74<br><b>908</b>   | 57<br><b>633</b>  | 17<br><b>275</b>  |                       |                        |   | 7<br><b>103</b>                                   |
| Other service activities  | 12 551             | 8 088             |                   |                       |                        |   | 1 503   |
| Activities of households as employers;  |                    |                   |                   |                       |                        |   |   |
| undifferentiated goods- and services- producing   |                    |                   |                   |                       |                        |   |   |
| activities of households for own use  | -                  | -                 | -                 | -                     | -                      | -   | -   |
| Activities of extraterritorial organizations and bodies                                     | _                  | _                 | _                 | _                     | _                      | _   | -   |
|   | I _                | _                 | _                 | _                     | _                      | _   | _   |

#### (1) Number of unincorporated enterprises

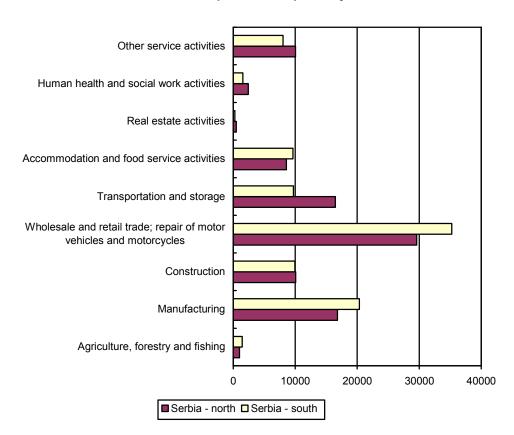
According to the data available, the calculations of macroeconomic aggregates covered 228680 unincorporated enterprises that performed business operations in 2010 in the Republic of Serbia. The total included 119127 unincorporated enterprises, i.e. 52.1% that were active in Serbia – north and 109553, i.e. 47.9% that were active in Serbia – south.

Observed by the sections of NACE Rev. 2, on the level of the Republic of Serbia the largest share in the total number of unincorporated enterprises had Wholesale and retail trade; repair of motor vehicles and motorcycles (28.4), Manufacturing (16.3%), Transportations and storage (11.5%), Professional, scientific and technical activities (10.7%), Construction (8.8%), Accommodation and food service activities (8.0%), etc.

Republic of Serbia: Structure of unincorporated enterprises by regions, 2010



RS: Number of unincorporated enterprises by activities, 2010

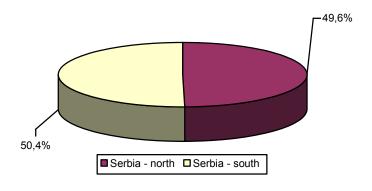


#### (2) Number of employees

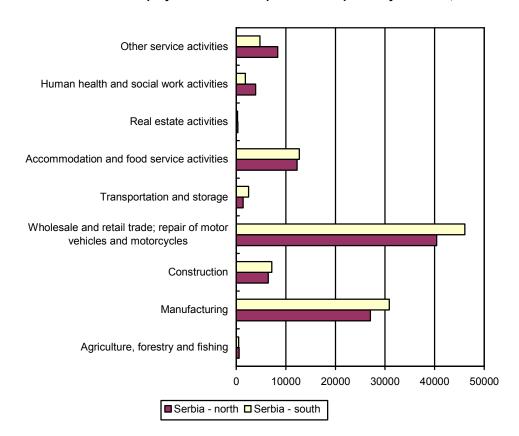
The unincorporated enterprises in the Republic of Serbia in 2010 employed 232176 employees. In Serbia – north the number was 115246 (49.6%) and in Serbia – south the number was 116930 (50.4%).

Pursuant to the NACE Rev. 2 sections, the largest share in the total number of employees with unincorporated enterprises in the Republic of Serbia in 2010 had Wholesale and retail trade; repair of motor vehicles and motorcycles (37.3%), Manufacturing (24.9%), Information and communication (10.8%), Construction (5.9%), Professional, scientific and technical activities (5.8%), etc.

Republic of Serbia: Structure of number of employees with unincorporated enterprises by regions, 2010



RS: Number of employees with unincorporated enterprises by activities, 2010

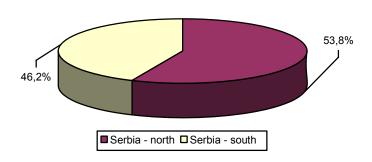


#### (3) Turnover

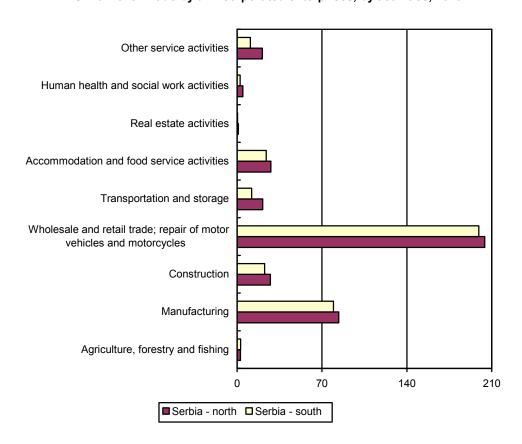
Observing the territorial distribution of turnover that unincorporated enterprises made in 2010, it is notable that unincorporated enterprises on the territory of Serbia – north made 53.8%, and unincorporated enterprises on the territory of Serbia – south made 46.2% of the total turnover.

Regarding the NACE Rev. 2 sections, the respective shares in the total turnover of unincorporated enterprises on the level of the RS are the following: Wholesale and retail trade; repair of motor vehicles and motorcycles (50.1%), Manufacturing (20.3%), Accommodation and food service activities (6.5%), Construction (6.2%), Professional, scientific and technical activities (4.5%), Transportation and storage (4.1%).

Republic of Serbia: Turnover made by unincorporated enterprises, by regions, 2010



RS: Turnover made by unincorporated enterprises, by activities, 2010

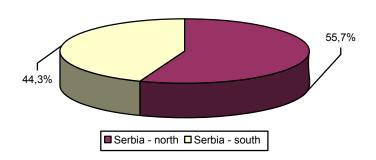


#### (4) Gross value added

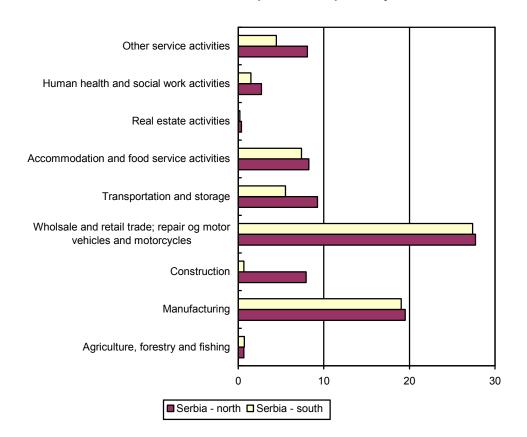
In 2010, the unincorporated enterprises from the territory of Serbia – north had the share of 55.7% in the Gross value added, while the share of unincorporated enterprises from Serbia – south participated in the GVA with 44.3%.

Regarding the NACE Rev. 2 sections, the most significant share in the GVA expressed the sections of Wholesale and retail trade; repair of motor vehicles and motorcycles (29.8%), Manufacturing (20.8%), Professional, scientific and technical activities (9.7%), Accommodation and food service activities (8.5%), Construction (8.0%), Transportation and storage (8.0%).

Republic of Serbia: Structure of Gross value added with unincorporated enterprises, by regions, 2010



RS: Gross value added with unincorporated enterprises, by activities, 2010



#### Conclusion

According to the analysis of the basic indicators of unincorporated business development, we can conclude that unincorporated enterprises present an important segment of the overall economy, that their share in the general economic structure is getting more and more significant, and that their influence on the formation of gross value added and turnover is continually growing.

Motivating measures of the Government are expected to provide suitable grounds for further activities and expansion of sole-proprietorships and partnerships and they will offer for each entrepreneur with a feasible business idea the possibility to implement it on the relevant market and under the best possible conditions.

#### TEXT: Milan Burzanović, Dragan Popović and Dušan Gavrilović

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CIP - Каталогизација у публикацији Народна библиотека Србије, Београд 311 (497.11)

РАДНИ документ / Република Србија - Републички завод за статистику = Working paper / Republic of Serbia – Statistical Office of the Repunlic of Serbia; одговара Драган Вукмировић.

- 1965, бр. 1- . - Београд (Милана Ракића 5): Републички завод за статистику Србије, 1965- (Београд: Републички завод за статистику Србије). - 27 cm

ISSN 1820-0141 = Радни документ - Република Србија. Републички завод за статистику

COBISS.SR-ID 59835916

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