

Research and development in the Republic of Serbia, 2011

Belgrade, 2012

561

BULLETIN

561

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For the editor: Dragan Vukmirovic, PhD, Director

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Preface

The Statistical Office of the Republic of Serbia publishes the results of the regular annual statistical survey on research and development organizations entitled "Annual Report on Research and Development – Form IR". The results refer to 2011, the territory of the Republic of Serbia, Serbia – North, Serbia – South and to the regions: Beogradski region, Region Vojvodine, Region Sumadije and Zapadne Srbije, and Region Juzne i Istocne Srbije.

R&D organizations and their activity are classified according to the type, size class and scientific field. Employees in the R&D activity are shown by occupation, scientific qualifications, type of employment and working hours, as well as by full-time equivalent (FTE). The data on research personnel, by age, have been published annually since 2007. In tables on research projects, finalised and non-finalised works are shown by type, ordering party and scientific field, while published works, inventions and patents are presented by publishing destination, i.e. sale, and by scientific field. The bulletin contains a tabulated presentation of funds for R&D work by origin, costs by source and use, as well as a presentation of investments in the R&D activity

All the data on the number of R&D organizations and employees are shown as of 31/12/2011, while those on R&D works, receipts and expenditure refer to the whole 2011.

Statistical data in this bulletin are available on the level of divisions in which R&D organizations are classified, i.e. on the level of the scientific field of R&D works or innovations. All the data are available on the level of scientific field both for R&D organizations and R&D projects.

The survey data have been published since 1965 in statistical bulletins of the Federal Statistical Office, and since 2002 by the Statistical Office of the Republic of Serbia.

Belgrade, 2011

the Director
Dragan Vukmirovic, PhD

Table of content

| | |
|--|----|
| Preface | 3 |
| Methodological explanations | 7 |
| 1-1. R&D organizations by sectors and scientific fields, 2011 | 14 |
| 2-1. Full-time and part-time employees engaged in R&D activities by sectors, scientific fields and sex, 2011 (number of persons) | 15 |
| 2-2. Full-time and part-time employees engaged in R&D activities by sectors, scientific fields and sex, expressed in full-time equivalent (FTE), 2011 | 17 |
| 3-1. Full-time and part-time researchers, by academic titles, sectors, scientific fields and sex, 2011 (physical persons) | 19 |
| 3.2. Full-time and part-time researchers, by academic titles, sectors, scientific fields and sex, expressed in full-time equivalent (FTE), 2011 | 25 |
| 4-1. Full-time and part-time researchers and assistant researchers by age and sex, 2011 | 31 |
| 5-1. Full-time and part-time assistant researchers, by academic titles, sectors scientific fields and sex, 2011 (physical persons) | 36 |
| 5.2. Full-time and part-time assistant researchers, by academic titles, sectors scientific fields and sex, expressed in full-time equivalent (FTE), 2011 | 41 |
| 6-1. Engaged on the basis of work by contract and author contract, 2011 (number of physical persons) | 46 |
| 6-2. Engaged on the basis of work by contract and author contract, expressed in full-time equivalent (FTE), 2011 | 47 |
| 7-1. Research work (projects and studies) by sectors and territory, 2011 | 49 |
| 7-2. Research work (projects and studies) by sectors and scientific fields, 2011 | 49 |
| 8-1. R&D works by ordering parties, scientific fields and type of research, 2011 | 52 |
| 9-1. Published R&D papers, inventions and patents, by scientific fields, 2011 | 56 |
| 10-1. Inventions and patents by R&D intensity, 2011 | 58 |
| 11-1. Gross domestic expenditure for R&D, by sectors and scientific fields, 2011 | 58 |
| 11-2. Gross domestic expenditure for R&D, by sectors and activities, 2011 | 60 |
| 12-1. Sources of funds spent for R&D, 2011 | 63 |
| 12-2. Sources of funds for R&D, 2011 | 65 |
| 13-1. Value of R&D works, by primary socio-economic objectives, 2011 | 65 |
| 14-1. Investments in R&D, by activities, 2011 | 69 |

METHODOLOGICAL EXPLANATIONS

Legal basis

The survey "Annual Report on Research and Development" is carried out on the basis of the Law on Official Statistics ("Official Journal of the RS", number 104/2009), as well as the Program of Official Statistics for 2011 – 2015 ("Official Journal of the RS", number 23/2011).

Methodological basis

Objective and scope of the statistical survey

The R&D activity, as an activity of particular importance for the Republic of Serbia, is an integral part of the international, scientific, education and cultural world. R&D is an activity of particular importance for the complete development of the Republic of Serbia based on knowledge, and combined with tertiary education is the principle factor and catalyst of economic and social growth.

R&D is a systematic creative work undertaken in view of discovering new stock of knowledge, in order to raise the general civilization level of the society and use the knowledge in all social fields. The Annual Report on Research and Experimental Development (hereinafter: R&D) provides data on the scientific potential:

- number of organizations and units engaged in the R&D activity: by type, scientific field and section of economic activity;
- personnel: by sex, educational attainment, occupation, type of employment, working hours, full-time equivalent (FTE) and age;
- funds (receipts, expenditure and investments): by type of research, funding sources and use;
- results of R&D work: R&D works (finalized works, on-going works and published works): by type of research, ordering party and scientific party;
- innovations and patents: by scientific fields and R&D intensity.

Reporting units, statistical units

The population of the research and units of observation of the statistical survey are all organizations engaged in the R&D activity, whether the latter is the principal activity or not.

Survey coverage

The reporting units of the survey are:

- R&D institutes and institutes of national interest for the Republic of Serbia; independent R&D organizations, business entities and institutions which principal or predominant activity is R&D.

- R&D units incorporated in enterprises or institutions.
- Tertiary educational institutions (faculties and arts academies), which activity, pursuant to the Law, is education and R&D-related, have been covered by this survey since 1978;
- Non-profit organizations – associations engaged in this activity. Excluded are R&D organizations created by the Ministry of the Interior. The new Law on the R&D Activity anticipates these organizations to be also monitored.

Method, timetable and sources for data collection

The survey is conducted annually and the questionnaires are sent to reporting units the first week of June. Three questionnaires are used for that purpose, the first relating to business entities and centres of extraordinary values (technology and business incubators, science and technology parks), the second to faculties and institutes, and the third to non-profit organizations – associations. The reporting units fill in the R&D questionnaire in June of the current year, and data refer to the previous (reference) year, i.e. they are shown as of the end of the reference year. Data on the R&D activity of tertiary education institutions and institutes are collected from all faculties/academies, regardless of the ownership, all R&D institutes (complete coverage), while data collection on the R&D activity of business entities and non-profit organizations/associations is sample-based. All data on the number of R&D organizations and employees are shown as of 31 December, while those on R&D works, receipts and expenditure refer to the whole year.

The main data sources are: human resources records on employees appointed to R&D, accounting records on realised receipts and calculated investments in R&D, as well as records of specialized services on the result of R&D activities – projects, works, patents pending, etc.

List and definitions of main concepts - indicators

Type of R&D organization: R&D organizations are institutions and other legal entities, as well as units incorporated in business entities and institutions, which activity is completely or predominantly R&D-related. All the organizations are classified into:

- independent R&D institutes;
- Centre of extraordinary values: the status of the centre can be acquired by an institute, i.e. tertiary education institution or their organizational part(s) if they have achieved in a five-year period ultimate and internationally recognized scientific and professional results in a specific scientific discipline based on what they have an extended international scientific, technical and technological co-operation.
- R&D units of business entities; - Tertiary education institutions;
- Non-profit organizations/associations.

Sector of performance is determined according to the division of the economic activity in which R&D is performed. There are five sectors:

- Non-financial sector covers business entities and organizations which primary activity is the market production of goods and services, and their sale at economically significant prices.
- This sector includes also private non-profit organizations, as well as incorporated R&D units.
- Government sector includes organizations, department offices and other bodies furnishing common services, other than tertiary education, which cannot be provided under market conditions and reflects the economical and social policy of the society. By definition, this sector covers: activities of the administration, defence and public order; health, education, culture, recreation and other social services; promotion of economic growth and living standard, and technological development. The legal, executive and institutional structure should be included in this sector, whether these are funded from regular or extraordinary budget.

- Non-profit sector covers non-market, private non-profit organization serving households free of charge or at low cost. These organizations may be created by citizens' associations in order to provide goods and services to the members of the association or for general purposes. This sector includes professional associations, humanitarian organizations, trade associations, consumers' associations, etc.
- Tertiary education sector covers universities, faculties and academies, whatever their funding sources and legal status. This sector includes R&D institutes and clinics operating under the direct control of or administered by the tertiary education organization.
- Sector "abroad" covers organizations and individuals located beyond the political boundaries of the country, as well as related land owned by these organizations. It also includes all international organizations, including their facilities on the national territory.

Personnel:

- **Researcher** is a person with at least tertiary educational attainment, i.e. having at least completed basic academic studies and who is engaged in R&D work and holding the title pursuant to the Law. Depending on realised results in R&D, the researcher can acquire the research title: researcher-apprentice and researcher-associate, and the scientific title: senior scientific associate and scientific advisor.
- **Assistant-researchers** do not hold any research title; work directly with researches in carrying out professional or technical works relative to R&D (laboratory technicians, engineers and technicians of technical sciences, designers, librarians, information assistant, computer experts, language editors, etc.).
- **Administrators** carry out exclusively or predominantly organizational, clerical, legal, administrative or financial work (treasurer, secretaries, jurists, etc.).
- Other personnel carry out supporting activities in R&D organizations (employed in workshops, on agricultural land, couriers, switchboard operators, maintenance workers, drivers, suppliers, etc.).
- Excluded are personnel engaged in protection and security, restaurants, hygiene maintenance, and related (guards, desk clerks, charwomen, etc.).

R&D projects and studies: shown are works completed from 1st January to 31st December, whatever their beginning. Works not being ordered by ordering parties are excluded.

- **Basic research** is a creative, systematic activity focused on acquiring new knowledge on the origin and causes of phenomena and facts, without any particular application or use in view. The results of a basic research are often formulated a general principles, theories or rules.

- **Applied research** is undertaken whether to establish a possibility to use the results of a research, having in mind its practical application, or to find new methods or ways that facilitate the achievement of a particular objective set in advance. This survey starts from existing knowledge and examines it thoroughly in view of solving specific issues.

- **Experimental (development) research** is a creative systematic activity based on the results of the basic and applied research, and practical knowledge directed towards introducing new materials, products, devices, processes and methods.

Inventions and patents: an invention is a new technological solution to a specific problem that involves inventiveness and applicability. Patent and patent rights are acquired after recognition and registration of a granted right in the corresponding register.

Industry classification according to R&D intensity (based on OECD standards): high technology, medium-high technology, medium-low technology and low technology.

Socio-economic objective classification (based on OECD standards):

- Development of agriculture, forestry and fishing;
- Promotion of industrial development technology;
- Production and rational use of energy;
- Transport and telecommunications;
- Urban and rural planning;
- Combating pollution;
- Health;
- Social development and services;
- Exploration and exploitation of Earth and atmosphere;
- General advancement of knowledge;
- Civil space exploration;
- Defense.

Level of data representativeness

All data are available for R&D organizations, scientific fields, type of research, type of employment and personnel's working hours, level of certain activity classes (2010 CA) and according to the territorial principle (up to NSTJ 2 level).

Survey organization

The Statistical Office of the Republic of Serbia, with the help of the Ministry of Education, Science and Technological Development, prepares and carries out the survey on R&D organizations.

The Office defines and produces unique methodological basis and tools for the survey, compiles address records of reporting units, prints the questionnaires and other materials for the carrying out of the survey, sends the questionnaires to the reporting units, collects the questionnaires, controls the coverage, response accuracy and data completeness, transmit data electronically, makes calculation and logical controls, processes the data and publishes the results for the Republic of Serbia in the "Statistical Yearbook of Serbia", as well as in this bulletin.

Harmonisation with international recommendations, standards and practice

The methodology for this survey is harmonised with international standards to the greatest possible extent (as much as allowed by our laws), methodological recommendations from the Frascati Manual, with the exception of some financial indicators, which are difficult to present due to differences in financing the R&D work of our country in relation to most of EU member countries and other international organizations.

SURVEY TOOLS

Questionnaires and instructions for filling the questionnaires

- questionnaires: IR-1, IR-2 and IR-3;
- instructions for filling in the questionnaires;
- Questionnaires are available on the website of the Statistical Office of the Republic of Serbia www.stat.gov.rs.

List of nomenclatures and classifications used in the survey

- Classification of Activities – CA (“Official Journal of the RS“, number 54/2010)
- Nomenclature of statistical territorial units *NSTJ* (“Official Journal of the RS“, number 109/09 and 46/10)
- Fields of Science and Technology Classification, OECD 2006, Frascati Manual
- International Standard Classification of Education 97 (the classifications and nomenclature are available on the website of the Statistical Office of the Republic of Serbia, www.stat.gov.rs)

Previous editions

Data on R&D organizations for previous years are available in the bulletins of the Federal Statistical Office, and since 2002 they have been published by the Statistical Office of the Republic of Serbia.

Symbols

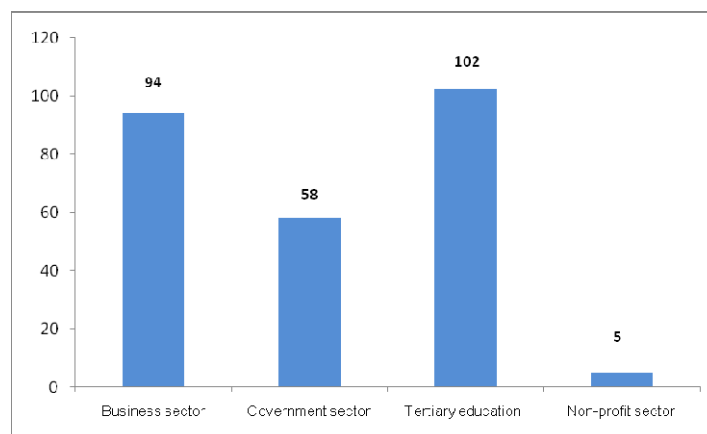
- = nil
- ... = data not available
- 1) = footnote
- n = average
- () = incomplete, i.e. insufficiently checked data

**Research and Development in the
Republic of Serbia, 2011**

1-1. R&D organizations by sectors and scientific fields, 2011

| | Total | Business sector | Government sector | Tertiary education | Non-profit sector |
|---|---------------------|-----------------|-------------------|--------------------|-------------------|
| REPUBLIC OF SERBIA | 259 94 58 | | | 102 | 5 |
| Natural sciences, mathematics | 32 | 10 | 10 | 12 | - |
| Engineering and technology | 82 | 51 | 11 | 20 | - |
| Agricultural sciences | 21 | 10 | 3 | 8 | - |
| Medical sciences | 26 | 6 | 13 | 6 | 1 |
| Social sciences | 77 | 17 | 11 | 47 | 2 |
| Humanities | 21 | - | 10 | 9 | 2 |
| SRBIJA – NORTH | 199 | 64 | 55 | 76 | 4 |
| Natural sciences, mathematics | 28 | 8 | 10 | 10 | - |
| Engineering and technology | 50 | 29 | 10 | 11 | - |
| Agricultural sciences | 18 | 9 | 3 | 6 | - |
| Medical sciences | 21 | 4 | 11 | 5 | 1 |
| Social sciences | 63 | 14 | 11 | 37 | 1 |
| Humanities | 19 | - | 10 | 7 | 2 |
| Beogradski region | 164 56 52 52 | | | | 4 |
| Natural sciences, mathematics | 26 | 7 | 10 | 9 | - |
| Engineering and technology | 42 | 26 | 9 | 7 | - |
| Agricultural sciences | 16 | 9 | 3 | 4 | - |
| Medical sciences | 16 | 3 | 9 | 3 | 1 |
| Social sciences | 47 | 11 | 11 | 24 | 1 |
| Humanities | 17 | - | 10 | 5 | 2 |
| Region Vojvodine | 35 | 8 | 3 | 24 | - |
| Natural sciences, mathematics | 2 | 1 | - | 1 | - |
| Engineering and technology | 8 | 3 | 1 | 4 | - |
| Agricultural sciences | 2 | - | - | 2 | - |
| Medical sciences | 5 | 1 | 2 | 2 | - |
| Social sciences | 16 | 3 | - | 13 | - |
| Humanities | 2 | - | - | 2 | - |
| SRBIJA - SOUTH | 60 | 30 | 3 | 26 | 1 |
| Natural sciences, mathematics | 4 | 2 | - | 2 | - |
| Engineering and technology | 32 | 22 | 1 | 9 | - |
| Agricultural sciences | 3 | 1 | - | 2 | - |
| Medical sciences | 5 | 2 | 2 | 1 | - |
| Social sciences | 14 | 3 | - | 10 | 1 |
| Humanities | 2 | - | - | 2 | - |
| Region Sumadije i Zapadne Srbije | 34 | 19 | 1 | 13 | 1 |
| Natural sciences, mathematics | 2 | 1 | - | 1 | - |
| Engineering and technology | 18 | 14 | - | 4 | - |
| Agricultural sciences | 1 | - | - | 1 | - |
| Medical sciences | 4 | 2 | 1 | 1 | - |
| Social sciences | 8 | 2 | - | 5 | 1 |
| Humanities | 1 | - | - | 1 | - |
| Region Juzne i Istocne Srbije | 26 | 11 | 2 | 13 | - |
| Natural sciences, mathematics | 2 | 1 | - | 1 | - |
| Engineering and technology | 14 | 8 | 1 | 5 | - |
| Agricultural sciences | 2 | 1 | - | 1 | - |
| Medical sciences | 1 | - | 1 | - | - |
| Social sciences | 6 | 1 | - | 5 | - |
| Humanities | 1 | - | - | 1 | - |
| Region Kosovo i Metohija | ... | ... | ... | ... | ... |

Share of organizations by sectors



2-1. Full-time and part-time employees engaged in R&D activities by sectors, scientific fields and sex, 2011 (number of persons)

| | Total | | Researchers | | Assistant-researchers | | Technicians | | Management | | Other personnel | |
|-------------------------------|--------------|--------------|--------------|-------------|-----------------------|------------|-------------|-------------|------------|------------|-----------------|-------------|
| | All | Women | All | Women | All | Women | All | Women | All | Women | All | Women |
| REPUBLIC OF SERBIA | 19742 | 10030 | 13609 | 6716 | 1431 | 636 | 2317 | 1451 | 370 | 164 | 2015 | 1063 |
| <i>Business sector</i> | 517 | 173 | 165 | 52 | 123 | 48 | 123 | 38 | 66 | 23 | 40 | 12 |
| Natural sciences, mathematics | 42 | 10 | 13 | 4 | 9 | 4 | 17 | 2 | 3 | - | - | - |
| Engineering and technology | 355 | 102 | 105 | 22 | 80 | 27 | 92 | 31 | 40 | 10 | 38 | 12 |
| Agricultural sciences | 79 | 48 | 41 | 22 | 23 | 16 | 4 | 2 | 11 | 8 | - | - |
| Medical sciences | 13 | - | 1 | - | 1 | - | 6 | - | 3 | - | 2 | - |
| Social sciences | 28 | 13 | 5 | 4 | 10 | 1 | 4 | 3 | 9 | 5 | - | - |
| <i>Government sector</i> | 5490 | 2928 | 2929 | 1636 | 601 | 226 | 862 | 514 | 118 | 50 | 980 | 502 |
| Natural sciences, mathematics | 1944 | 1098 | 1360 | 791 | 119 | 52 | 305 | 162 | 10 | 5 | 150 | 88 |
| Engineering and technology | 1254 | 529 | 389 | 165 | 390 | 134 | 249 | 131 | 37 | 9 | 189 | 90 |
| Agricultural sciences | 207 | 171 | 163 | 133 | 1 | 1 | 24 | 19 | 10 | 10 | 9 | 8 |
| Medical sciences | 1334 | 707 | 400 | 223 | 81 | 35 | 191 | 127 | 52 | 19 | 610 | 303 |
| Social sciences | 381 | 212 | 296 | 148 | 4 | 2 | 58 | 49 | 7 | 5 | 16 | 8 |
| Humanities | 370 | 211 | 321 | 176 | 6 | 2 | 35 | 26 | 2 | 2 | 6 | 5 |
| <i>Tertiary education</i> | 13708 | 6907 | 10506 | 5020 | 695 | 353 | 1329 | 896 | 183 | 89 | 995 | 549 |
| Natural sciences, mathematics | 1698 | 873 | 1355 | 665 | 102 | 57 | 120 | 78 | 21 | 13 | 100 | 60 |
| Engineering and technology | 3454 | 1247 | 2522 | 848 | 179 | 43 | 205 | 105 | 27 | 10 | 521 | 241 |
| Agricultural sciences | 2530 | 1507 | 2123 | 1219 | 39 | 29 | 280 | 200 | 26 | 17 | 62 | 42 |
| Medical sciences | 1207 | 633 | 801 | 387 | 104 | 58 | 157 | 110 | 18 | 6 | 127 | 72 |
| Social sciences | 3053 | 1607 | 2226 | 1064 | 141 | 83 | 459 | 317 | 84 | 40 | 143 | 103 |
| Humanities | 1766 | 1040 | 1479 | 837 | 130 | 83 | 108 | 86 | 7 | 3 | 42 | 31 |
| <i>Non-profit sector</i> | 27 | 22 | 9 | 8 | 12 | 9 | 3 | 3 | 3 | 2 | - | - |
| Social sciences | 4 | 3 | 1 | 1 | 2 | 1 | - | - | 1 | 1 | - | - |
| Humanities | 23 | 19 | 8 | 7 | 10 | 8 | 3 | 3 | 2 | 1 | - | - |
| SRBIJA – NORTH | 16298 | 8289 | 11175 | 5576 | 1211 | 518 | 1834 | 1136 | 328 | 145 | 1750 | 914 |
| <i>Business sector</i> | 439 | 148 | 132 | 45 | 119 | 46 | 100 | 28 | 54 | 19 | 34 | 10 |
| Natural sciences, mathematics | 33 | 8 | 13 | 4 | 9 | 4 | 8 | - | 3 | - | - | - |
| Engineering and technology | 292 | 84 | 76 | 19 | 76 | 25 | 79 | 23 | 29 | 7 | 32 | 10 |
| Agricultural sciences | 77 | 46 | 40 | 21 | 23 | 16 | 4 | 2 | 10 | 7 | - | - |
| Medical sciences | 12 | - | 1 | - | 1 | - | 5 | - | 3 | - | 2 | - |
| Social sciences | 25 | 10 | 2 | 1 | 10 | 1 | 4 | 3 | 9 | 5 | - | - |
| <i>Government sector</i> | 5196 | 2769 | 2865 | 1601 | 528 | 193 | 820 | 483 | 118 | 50 | 865 | 442 |
| Natural sciences, mathematics | 1944 | 1098 | 1360 | 791 | 119 | 52 | 305 | 162 | 10 | 5 | 150 | 88 |
| Engineering and technology | 1052 | 413 | 356 | 146 | 330 | 106 | 226 | 111 | 37 | 9 | 103 | 41 |
| Agricultural sciences | 207 | 171 | 163 | 133 | 1 | 1 | 24 | 19 | 10 | 10 | 9 | 8 |
| Medical sciences | 1242 | 664 | 369 | 207 | 68 | 30 | 172 | 116 | 52 | 19 | 581 | 292 |
| Social sciences | 381 | 212 | 296 | 148 | 4 | 2 | 58 | 49 | 7 | 5 | 16 | 8 |
| Humanities | 370 | 211 | 321 | 176 | 6 | 2 | 35 | 26 | 2 | 2 | 6 | 5 |
| <i>Tertiary education</i> | 10637 | 5351 | 8169 | 3922 | 553 | 271 | 911 | 622 | 153 | 74 | 851 | 462 |
| Natural sciences, mathematics | 1418 | 706 | 1139 | 529 | 84 | 48 | 95 | 67 | 16 | 10 | 84 | 52 |
| Engineering and technology | 2566 | 958 | 1817 | 640 | 123 | 22 | 142 | 76 | 16 | 7 | 468 | 213 |
| Agricultural sciences | 1726 | 1043 | 1516 | 894 | 13 | 8 | 141 | 106 | 26 | 17 | 30 | 18 |
| Medical sciences | 1165 | 614 | 764 | 373 | 104 | 58 | 152 | 105 | 18 | 6 | 127 | 72 |
| Social sciences | 2387 | 1238 | 1757 | 830 | 113 | 62 | 330 | 228 | 70 | 31 | 117 | 87 |
| Humanities | 1375 | 792 | 1176 | 656 | 116 | 73 | 51 | 40 | 7 | 3 | 25 | 20 |
| <i>Non-profit sector</i> | 26 | 21 | 9 | 8 | 11 | 8 | 3 | 3 | 3 | 2 | - | - |
| Social sciences | 3 | 2 | 1 | 1 | 1 | - | - | - | 1 | 1 | - | - |
| Humanities | 23 | 19 | 8 | 7 | 10 | 8 | 3 | 3 | 2 | 1 | - | - |
| Beogradski region | 11203 | 5707 | 7777 | 3934 | 892 | 364 | 1336 | 792 | 235 | 96 | 963 | 521 |
| <i>Business sector</i> | 408 | 140 | 122 | 43 | 109 | 41 | 94 | 27 | 51 | 19 | 32 | 10 |
| Natural sciences, mathematics | 28 | 7 | 9 | 3 | 9 | 4 | 8 | - | 2 | - | - | - |
| Engineering and technology | 274 | 77 | 71 | 18 | 67 | 20 | 75 | 22 | 29 | 7 | 32 | 10 |
| Agricultural sciences | 77 | 46 | 40 | 21 | 23 | 16 | 4 | 2 | 10 | 7 | - | - |
| Medical sciences | 5 | - | - | - | - | - | 3 | - | 2 | - | - | - |
| Social sciences | 24 | 10 | 2 | 1 | 10 | 1 | 4 | 3 | 8 | 5 | - | - |
| <i>Government sector</i> | 4425 | 2400 | 2707 | 1521 | 494 | 178 | 769 | 452 | 97 | 43 | 358 | 206 |
| Natural sciences, mathematics | 1944 | 1098 | 1360 | 791 | 119 | 52 | 305 | 162 | 10 | 5 | 150 | 88 |
| Engineering and technology | 1014 | 403 | 335 | 141 | 330 | 106 | 219 | 108 | 37 | 9 | 93 | 39 |
| Agricultural sciences | 207 | 171 | 163 | 133 | 1 | 1 | 24 | 19 | 10 | 10 | 9 | 8 |
| Medical sciences | 509 | 305 | 232 | 132 | 34 | 15 | 128 | 88 | 31 | 12 | 84 | 58 |
| Social sciences | 381 | 212 | 296 | 148 | 4 | 2 | 58 | 49 | 7 | 5 | 16 | 8 |
| Humanities | 370 | 211 | 321 | 176 | 6 | 2 | 35 | 26 | 2 | 2 | 6 | 5 |
| <i>Tertiary education</i> | 6344 | 3146 | 4939 | 2362 | 278 | 137 | 470 | 310 | 84 | 32 | 573 | 305 |
| Natural sciences, mathematics | 888 | 404 | 764 | 325 | 64 | 40 | 54 | 39 | 4 | - | 2 | - |
| Engineering and technology | 1357 | 492 | 911 | 319 | 58 | 12 | 57 | 21 | 12 | 6 | 319 | 134 |
| Agricultural sciences | 1005 | 609 | 883 | 526 | 10 | 6 | 77 | 58 | 5 | 1 | 30 | 18 |
| Medical sciences | 784 | 415 | 511 | 247 | 93 | 53 | 74 | 54 | 14 | 6 | 92 | 55 |
| Social sciences | 1619 | 836 | 1213 | 576 | 53 | 26 | 203 | 138 | 42 | 16 | 108 | 80 |
| Humanities | 691 | 390 | 657 | 369 | - | - | 5 | - | 7 | 3 | 22 | 18 |
| <i>Non-profit sector</i> | 26 | 21 | 9 | 8 | 11 | 8 | 3 | 3 | 3 | 2 | - | - |
| Social sciences | 3 | 2 | 1 | 1 | 1 | - | - | - | 1 | 1 | - | - |
| Humanities | 23 | 19 | 8 | 7 | 10 | 8 | 3 | 3 | 2 | 1 | - | - |

2-1. Full-time and part-time employees engaged in R&D activities by sectors, scientific fields and sex, 2011 (number of persons) (continued)

| | Total | | Researchers | | Assistant-researchers | | Technicians | | Management | | Other personnel | | | |
|---|-------------|-------------|-------------|-------------|-----------------------|-------------|-------------|------------|------------|------------|-----------------|------------|------------|------------|
| | All | Women | All | Women | All | Women | All | Women | All | Women | All | Women | | |
| Region Vojvodine | 5095 | 2528 | 2 | 339 | 8 | 1642 | 319 | 154 | 498 | 344 | 93 | 49 | 787 | 393 |
| <i>Business sector</i> | 31 | 8 | 10 | 2 | 10 | 5 | 6 | 1 | 3 | - | - | 2 | - | |
| Natural sciences, mathematics | 5 | 1 | 4 | 1 | - | - | - | - | 1 | - | - | - | - | |
| Engineering and technology | 18 | 7 | 5 | 1 | 9 | 5 | 4 | 1 | - | - | - | - | | |
| Medical sciences | 7 | - | 1 | - | 1 | - | 2 | - | 1 | - | - | 2 | - | |
| Social sciences | 1 | - | - | - | - | - | - | - | 1 | - | - | - | - | |
| <i>Government sciences</i> | 771 | 369 | 158 | 80 | 34 | 15 | 51 | 31 | 21 | 7 | 507 | 236 | | |
| Engineering and technology | 38 | 10 | 21 | 5 | - | - | 7 | 3 | - | - | 10 | 2 | | |
| Medical sciences | 733 | 359 | 137 | 75 | 34 | 15 | 44 | 28 | 21 | 7 | 497 | 234 | | |
| <i>Tertiary education</i> | 4293 | 2205 | 3230 | 1560 | 275 | 134 | 441 | 312 | 69 | 42 | 278 | 157 | | |
| Natural sciences, mathematics | 530 | 302 | 375 | 204 | 20 | 8 | 41 | 28 | 12 | 10 | 82 | 52 | | |
| Engineering and technology | 1209 | 466 | 906 | 321 | 65 | 10 | 85 | 55 | 4 | 1 | 149 | 79 | | |
| Agricultural sciences | 721 | 434 | 633 | 368 | 3 | 2 | 64 | 48 | 21 | 16 | - | - | | |
| Medical sciences | 381 | 199 | 253 | 126 | 11 | 5 | 78 | 51 | 4 | - | 35 | 17 | | |
| Social sciences | 768 | 402 | 544 | 254 | 60 | 36 | 127 | 90 | 28 | 15 | 9 | 7 | | |
| Humanities | 684 | 402 | 519 | 287 | 116 | 73 | 46 | 40 | - | - | 3 | 2 | | |
| SRBIJA – SOUTH | 3444 | 1741 | 2434 | 1140 | 220 | 118 | 483 | 315 | 42 | 19 | 265 | 149 | | |
| <i>Business sector</i> | 78 | 25 | 33 | 7 | 4 | 2 | 23 | 10 | 12 | 4 | 6 | 2 | | |
| Natural sciences, mathematics | 9 | 2 | - | - | - | - | 9 | 2 | - | - | - | - | | |
| Engineering and technology | 63 | 18 | 29 | 3 | 4 | 2 | 13 | 8 | 11 | 3 | 6 | 2 | | |
| Agricultural sciences | 2 | 2 | 1 | 1 | - | - | - | - | 1 | 1 | - | - | | |
| Medical sciences | 1 | - | - | - | - | - | 1 | - | - | - | - | - | | |
| Social sciences | 3 | 3 | 3 | 3 | - | - | - | - | - | - | - | - | | |
| <i>Government sector</i> | 294 | 159 | 64 | 35 | 73 | 33 | 42 | 31 | - | - | 115 | 60 | | |
| Engineering and technology | 202 | 116 | 33 | 19 | 60 | 28 | 23 | 20 | - | - | 86 | 49 | | |
| Medical sciences | 92 | 43 | 31 | 16 | 13 | 5 | 19 | 11 | - | - | 29 | 11 | | |
| <i>Tertiary education</i> | 3071 | 1556 | 2337 | 1098 | 142 | 82 | 418 | 274 | 30 | 15 | 144 | 87 | | |
| Natural sciences, mathematics | 280 | 167 | 216 | 136 | 18 | 9 | 25 | 11 | 5 | 3 | 16 | 8 | | |
| Engineering and technology | 888 | 289 | 705 | 208 | 56 | 21 | 63 | 29 | 11 | 3 | 53 | 28 | | |
| Agricultural sciences | 804 | 464 | 607 | 325 | 26 | 21 | 139 | 94 | - | - | 32 | 24 | | |
| Medical sciences | 42 | 19 | 37 | 14 | - | - | 5 | 5 | - | - | - | - | | |
| Social sciences | 666 | 369 | 469 | 234 | 28 | 21 | 129 | 89 | 14 | 9 | 26 | 16 | | |
| Humanities | 391 | 248 | 303 | 181 | 14 | 10 | 57 | 46 | - | - | 17 | 11 | | |
| <i>Non-profit</i> | 1 | 1 | - | - | 1 | 1 | - | - | - | - | - | - | | |
| Social sciences | 1 | 1 | - | - | 1 | 1 | - | - | - | - | - | - | | |
| Region Sumadije i Zapadne Srbije | 1438 | 722 | 1108 | 526 | 74 | 46 | 163 | 101 | 33 | 13 | 60 | 36 | | |
| <i>Business sector</i> | 62 | 19 | 31 | 6 | 3 | 2 | 13 | 7 | 10 | 2 | 5 | 2 | | |
| Engineering and technology | 58 | 16 | 28 | 3 | 3 | 2 | 12 | 7 | 10 | 2 | 5 | 2 | | |
| Medical sciences | 1 | - | - | - | - | - | 1 | - | - | - | - | - | | |
| Social sciences | 3 | 3 | 3 | 3 | - | - | - | - | - | - | - | - | | |
| <i>Government sector</i> | 24 | 13 | 16 | 10 | 3 | 1 | 3 | 1 | - | - | 2 | 1 | | |
| Medical sciences | 24 | 13 | 16 | 10 | 3 | 1 | 3 | 1 | - | - | 2 | 1 | | |
| <i>Tertiary education</i> | 1351 | 689 | 1061 | 510 | 67 | 42 | 147 | 93 | 23 | 11 | 53 | 33 | | |
| Natural sciences, mathematics | 232 | 137 | 168 | 106 | 18 | 9 | 25 | 11 | 5 | 3 | 16 | 8 | | |
| Engineering and technology | 299 | 88 | 255 | 70 | 8 | 3 | 9 | - | 7 | 1 | 20 | 14 | | |
| Agricultural sciences | 295 | 161 | 239 | 123 | 22 | 17 | 34 | 21 | - | - | - | - | | |
| Medical sciences | 42 | 19 | 37 | 14 | - | - | 5 | 5 | - | - | - | - | | |
| Social sciences | 279 | 156 | 211 | 108 | 5 | 3 | 52 | 38 | 11 | 7 | - | - | | |
| Humanities | 204 | 128 | 151 | 89 | 14 | 10 | 22 | 18 | - | - | 17 | 11 | | |
| <i>Non-profit sector</i> | 1 | 1 | - | - | 1 | 1 | - | - | - | - | - | - | | |
| Social sciences | 1 | 1 | - | - | 1 | 1 | - | - | - | - | - | - | | |
| Region Juzne i Istocne Srbije | 2006 | 1019 | 1326 | 614 | 146 | 72 | 320 | 214 | 9 | 6 | 205 | 113 | | |
| <i>Business sector</i> | 16 | 6 | 2 | 1 | 1 | - | 10 | 3 | 2 | 2 | 1 | - | | |
| Natural sciences, mathematics | 9 | 2 | - | - | - | - | 9 | 2 | - | - | - | - | | |
| Engineering and technology | 5 | 2 | 1 | - | 1 | - | 1 | 1 | 1 | 1 | 1 | - | | |
| Agricultural sciences | 2 | 2 | 1 | 1 | - | - | - | - | 1 | 1 | - | - | | |
| <i>Government sector</i> | 270 | 146 | 48 | 25 | 70 | 32 | 39 | 30 | - | - | 113 | 59 | | |
| Engineering and technology | 202 | 116 | 33 | 19 | 60 | 28 | 23 | 20 | - | - | 86 | 49 | | |
| Medical sciences | 68 | 30 | 15 | 6 | 10 | 4 | 16 | 10 | - | - | 27 | 10 | | |
| <i>Tertiary education</i> | 1720 | 867 | 1276 | 588 | 75 | 40 | 271 | 181 | 7 | 4 | 91 | 54 | | |
| Natural sciences, mathematics | 48 | 30 | 48 | 30 | - | - | - | - | - | - | - | - | | |
| Engineering and technology | 589 | 201 | 450 | 138 | 48 | 18 | 54 | 29 | 4 | 2 | 33 | 14 | | |
| Agricultural sciences | 509 | 303 | 368 | 202 | 4 | 4 | 105 | 73 | - | - | 32 | 24 | | |
| Social sciences | 387 | 213 | 258 | 126 | 23 | 18 | 77 | 51 | 3 | 2 | 26 | 16 | | |
| Humanities | 187 | 120 | 152 | 92 | - | - | 35 | 28 | - | - | - | - | | |
| Region Kosovo i Metohija | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |

2-2. Full-time and part-time employees engaged in R&D activities by sectors, scientific fields and sex, expressed in full-time equivalent (FTE), 2011

| | Total | | Researchers | | Assistant-researchers | | Technicians | | Management | | Other personnel | |
|-------------------------------|----------------|---------------|----------------|---------------|-----------------------|--------------|---------------|---------------|--------------|--------------|-----------------|---------------|
| | All | Women | All | Women | All | Women | All | Women | All | Women | All | Women |
| REPUBLIC OF SERBIA | 17488,6 | 8889,2 | 11719,9 | 5779,6 | 1339,5 | 581,3 | 2164,8 | 1362,2 | 340,2 | 154,0 | 1924,2 | 1012,2 |
| <i>Business sector</i> | 454,8 | 154,6 | 149,0 | 49,0 | 111,2 | 44,0 | 106,0 | 32,0 | 53,9 | 20,6 | 34,6 | 9,0 |
| Natural sciences, mathematics | 27,6 | 8,5 | 6,9 | 3,2 | 8,5 | 3,7 | 10,0 | 1,6 | 2,2 | - | - | - |
| Engineering and technology | 317,5 | 87,0 | 102,4 | 20,9 | 70,2 | 23,3 | 82,0 | 25,4 | 30,3 | 8,4 | 32,6 | 9,0 |
| Agricultural sciences | 71,0 | 46,9 | 33,7 | 20,9 | 22,3 | 16,0 | 4,0 | 2,0 | 11,0 | 8,0 | - | - |
| Medical sciences | 13,0 | - | 1,0 | - | 1,0 | - | 6,0 | - | 3,0 | - | 2,0 | - |
| Social sciences | 25,6 | 12,2 | 5,0 | 4,0 | 9,2 | 1,0 | 4,0 | 3,0 | 7,4 | 4,2 | - | - |
| <i>Government sector</i> | 5351,5 | 2865,3 | 2868,6 | 1610,4 | 589,4 | 218,2 | 842,7 | 508,3 | 112,6 | 47,8 | 938,2 | 480,6 |
| Natural sciences, mathematics | 1930,4 | 1091,7 | 1347,9 | 785,7 | 117,5 | 51,0 | 305,0 | 162,0 | 10,0 | 5,0 | 150,0 | 88,0 |
| Engineering and technology | 1176,6 | 496,4 | 377,6 | 161,9 | 381,5 | 128,8 | 234,5 | 127,7 | 33,7 | 8,9 | 149,3 | 69,1 |
| Agricultural sciences | 197,0 | 164,1 | 153,0 | 126,1 | 1,0 | 1,0 | 24,0 | 19,0 | 10,0 | 10,0 | 9,0 | 8,0 |
| Medical sciences | 1332,1 | 706,0 | 399,1 | 223,0 | 81,0 | 35,0 | 191,0 | 127,0 | 51,5 | 18,5 | 609,5 | 302,5 |
| Social sciences | 346,3 | 196,9 | 270,9 | 138,5 | 2,4 | 0,4 | 53,2 | 46,6 | 5,4 | 3,4 | 14,4 | 8,0 |
| Humanities | 369,2 | 210,2 | 320,2 | 175,2 | 6,0 | 2,0 | 35,0 | 26,0 | 2,0 | 2,0 | 6,0 | 5,0 |
| <i>Tertiary education</i> | 11668,2 | 5858,9 | 8699,7 | 4117,7 | 630,6 | 313,4 | 1215,8 | 821,6 | 170,7 | 83,6 | 951,4 | 522,6 |
| Natural sciences, mathematics | 1625,2 | 838,0 | 1291,7 | 635,5 | 99,5 | 55,5 | 115,5 | 74,0 | 19,5 | 13,0 | 99,0 | 60,0 |
| Engineering and technology | 2857,3 | 1036,0 | 2010,0 | 684,3 | 167,3 | 37,3 | 169,8 | 84,0 | 23,5 | 10,0 | 486,8 | 220,5 |
| Agricultural sciences | 1876,8 | 1113,3 | 1515,0 | 854,8 | 26,8 | 20,0 | 250,5 | 182,0 | 25,5 | 16,5 | 59,0 | 40,0 |
| Medical sciences | 1160,1 | 610,5 | 756,3 | 366,0 | 104,0 | 58,0 | 155,5 | 108,5 | 17,3 | 6,0 | 127,0 | 72,0 |
| Social sciences | 2690,0 | 1424,6 | 1949,5 | 939,3 | 104,5 | 61,0 | 416,5 | 287,1 | 78,9 | 35,6 | 140,6 | 101,6 |
| Humanities | 1458,9 | 836,6 | 1177,3 | 638,0 | 128,6 | 81,6 | 108,0 | 86,0 | 6,0 | 2,5 | 39,0 | 28,5 |
| <i>Non-profit sector</i> | 14,1 | 10,5 | 2,6 | 2,5 | 8,2 | 5,7 | 0,3 | 0,3 | 3,0 | 2,0 | - | - |
| Social sciences | 4,0 | 3,0 | 1,0 | 1,0 | 2,0 | 1,0 | - | - | 1,0 | 1,0 | - | - |
| Humanities | 10,1 | 7,5 | 1,6 | 1,5 | 6,2 | 4,7 | 0,3 | 0,3 | 2,0 | 1,0 | - | - |
| SRBIJA – NORTH | 14439,1 | 7331,2 | 9588,4 | 4768,0 | 1146,7 | 483,6 | 1719,2 | 1069,2 | 308,9 | 136,6 | 1675,9 | 873,8 |
| <i>Business sector</i> | 400,0 | 140,4 | 116,5 | 42,0 | 109,3 | 43,6 | 92,5 | 28,0 | 49,1 | 18,2 | 32,6 | 8,6 |
| Natural sciences, mathematics | 19,3 | 6,9 | 6,9 | 3,2 | 8,5 | 3,7 | 1,7 | - | 2,2 | - | - | - |
| Engineering and technology | 277,1 | 79,4 | 73,9 | 17,9 | 68,3 | 22,9 | 77,8 | 23,0 | 26,5 | 7,0 | 30,6 | 8,6 |
| Agricultural sciences | 69,0 | 44,9 | 32,7 | 19,9 | 22,3 | 16,0 | 4,0 | 2,0 | 10,0 | 7,0 | - | - |
| Medical sciences | 12,0 | - | 1,0 | - | 1,0 | - | 5,0 | - | 3,0 | - | 2,0 | - |
| Social sciences | 22,6 | 9,2 | 2,0 | 1,0 | 9,2 | 1,0 | 4,0 | 3,0 | 7,4 | 4,2 | - | - |
| <i>Government sector</i> | 5057,5 | 2706,3 | 2804,6 | 1575,4 | 516,4 | 185,2 | 800,7 | 477,3 | 112,6 | 47,8 | 823,2 | 420,6 |
| Natural sciences, mathematics | 1930,4 | 1091,7 | 1347,9 | 785,7 | 117,5 | 51,0 | 305,0 | 162,0 | 10,0 | 5,0 | 150,0 | 88,0 |
| Engineering and technology | 974,6 | 380,4 | 344,6 | 142,9 | 321,5 | 100,8 | 211,5 | 107,7 | 33,7 | 8,9 | 63,3 | 20,1 |
| Agricultural sciences | 197,0 | 164,1 | 153,0 | 126,1 | 1,0 | 1,0 | 24,0 | 19,0 | 10,0 | 10,0 | 9,0 | 8,0 |
| Medical sciences | 1240,1 | 663,0 | 368,1 | 207,0 | 68,0 | 30,0 | 172,0 | 116,0 | 51,5 | 18,5 | 580,5 | 291,5 |
| Social sciences | 346,3 | 196,9 | 270,9 | 138,5 | 2,4 | 0,4 | 53,2 | 46,6 | 5,4 | 3,4 | 14,4 | 8,0 |
| Humanities | 369,2 | 210,2 | 320,2 | 175,2 | 6,0 | 2,0 | 35,0 | 26,0 | 2,0 | 2,0 | 6,0 | 5,0 |
| <i>Tertiary education</i> | 8968,4 | 4475,1 | 6664,7 | 3148,2 | 513,8 | 250,1 | 825,7 | 563,6 | 144,2 | 68,6 | 820,1 | 444,6 |
| Natural sciences, mathematics | 1349,4 | 672,7 | 1079,9 | 501,2 | 81,5 | 46,5 | 90,5 | 63,0 | 14,5 | 10,0 | 83,0 | 52,0 |
| Engineering and technology | 2090,0 | 784,3 | 1401,0 | 502,2 | 115,3 | 18,6 | 111,2 | 55,0 | 16,0 | 7,0 | 446,5 | 201,5 |
| Agricultural sciences | 1261,4 | 750,1 | 1068,4 | 611,6 | 12,0 | 7,5 | 128,5 | 98,5 | 25,5 | 16,5 | 27,0 | 16,0 |
| Medical sciences | 1118,1 | 591,5 | 719,3 | 352,0 | 104,0 | 58,0 | 150,5 | 103,5 | 17,3 | 6,0 | 127,0 | 72,0 |
| Social sciences | 2074,0 | 1083,3 | 1515,5 | 721,0 | 85,0 | 46,5 | 294,0 | 203,6 | 64,9 | 26,6 | 114,6 | 85,6 |
| Humanities | 1075,6 | 593,2 | 880,6 | 460,2 | 116,0 | 73,0 | 51,0 | 40,0 | 6,0 | 2,5 | 22,0 | 17,5 |
| <i>Non-profit sector</i> | 13,1 | 9,5 | 2,6 | 2,5 | 7,2 | 4,7 | 0,3 | 0,3 | 3,0 | 2,0 | - | - |
| Social sciences | 3,0 | 2,0 | 1,0 | 1,0 | 1,0 | - | - | - | 1,0 | 1,0 | - | - |
| Humanities | 10,1 | 7,5 | 1,6 | 1,5 | 6,2 | 4,7 | 0,3 | 0,3 | 2,0 | 1,0 | - | - |
| Beogradski region | 10236,6 | 5159,1 | 7001,6 | 3481,5 | 849,4 | 343,3 | 1272,6 | 761,0 | 222,5 | 92,0 | 890,4 | 481,3 |
| <i>Business sector</i> | 373,0 | 133,2 | 109,7 | 40,8 | 99,3 | 38,6 | 86,5 | 27,0 | 46,9 | 18,2 | 30,6 | 8,6 |
| Natural sciences, mathematics | 18,3 | 6,7 | 6,1 | 3,0 | 8,5 | 3,7 | 1,7 | - | 2,0 | - | - | - |
| Engineering and technology | 259,1 | 72,4 | 68,9 | 16,9 | 59,3 | 17,9 | 73,8 | 22,0 | 26,5 | 7,0 | 30,6 | 8,6 |
| Agricultural sciences | 69,0 | 44,9 | 32,7 | 19,9 | 22,3 | 16,0 | 4,0 | 2,0 | 10,0 | 7,0 | - | - |
| Medical sciences | 5,0 | - | - | - | - | - | 3,0 | - | 2,0 | - | - | - |
| Social sciences | 21,6 | 9,2 | 2,0 | 1,0 | 9,2 | 1,0 | 4,0 | 3,0 | 6,4 | 4,2 | - | - |
| <i>Government sector</i> | 4288,0 | 2337,8 | 2647,6 | 1495,4 | 482,4 | 170,2 | 749,7 | 446,3 | 91,6 | 40,8 | 316,7 | 185,1 |
| Natural sciences, mathematics | 1930,4 | 1091,7 | 1347,9 | 785,7 | 117,5 | 51,0 | 305,0 | 162,0 | 10,0 | 5,0 | 150,0 | 88,0 |
| Engineering and technology | 936,6 | 370,4 | 323,6 | 137,9 | 321,5 | 100,8 | 204,5 | 104,7 | 33,7 | 8,9 | 53,3 | 18,1 |
| Agricultural sciences | 197,0 | 164,1 | 153,0 | 126,1 | 1,0 | 1,0 | 24,0 | 19,0 | 10,0 | 10,0 | 9,0 | 8,0 |
| Medical sciences | 508,5 | 304,5 | 232,0 | 132,0 | 34,0 | 15,0 | 128,0 | 88,0 | 30,5 | 11,5 | 84,0 | 58,0 |
| Social sciences | 346,3 | 196,9 | 270,9 | 138,5 | 2,4 | 0,4 | 53,2 | 46,6 | 5,4 | 3,4 | 14,4 | 8,0 |
| Humanities | 369,2 | 210,2 | 320,2 | 175,2 | 6,0 | 2,0 | 35,0 | 26,0 | 2,0 | 2,0 | 6,0 | 5,0 |
| <i>Tertiary education</i> | 5562,4 | 2678,6 | 4241,7 | 1942,8 | 260,5 | 129,8 | 436,1 | 287,4 | 81,0 | 31,0 | 543,1 | 287,6 |
| Natural sciences, mathematics | 819,4 | 370,7 | 704,9 | 297,2 | 61,5 | 38,5 | 49,5 | 35,0 | 2,5 | - | 1,0 | - |
| Engineering and technology | 1233,2 | 425,5 | 830,4 | 276,4 | 50,3 | 8,6 | 43,0 | 12,0 | 12,0 | 6,0 | 297,5 | 122,5 |
| Agricultural sciences | 874,3 | 509,7 | 769,3 | 437,2 | 9,0 | 5,5 | 64,5 | 50,5 | 4,5 | 0,5 | 27,0 | 16,0 |
| Medical sciences | 744,3 | 395,8 | 471,3 | 227,8 | 93,0 | 53,0 | 74,0 | 54,0 | 14,0 | 6,0 | 92,0 | 55,0 |
| Social sciences | 1493,0 | 785,1 | 1097,6 | 530,4 | 46,7 | 24,2 | 200,1 | 135,9 | 42,0 | 16,0 | 106,6 | 78,6 |
| Humanities | 398,2 | 191,9 | 368,2 | 173,9 | - | - | 5,0 | - | 6,0 | 2,5 | 19,0 | 15,5 |
| <i>Non-profit sector</i> | 13,1 | 9,5 | 2,6 | 2,5 | 7,2 | 4,7 | 0,3 | 0,3 | 3,0 | 2,0 | - | - |
| Social sciences | 3,0 | 2,0 | 1,0 | 1,0 | 1,0 | - | - | - | 1,0 | 1,0 | - | - |
| Humanities | 10,1 | 7,5 | 1,6 | 1,5 | 6,2 | 4,7 | 0,3 | 0,3 | 2,0 | 1,0 | - | - |

2-2. Full-time and part-time employees engaged in R&D activities by sectors, scientific fields and sex, expressed in full-time equivalent (FTE), 2011 (continued)

| | Total | | Researchers | | Assistant-researchers | | Technicians | | Management | | Other personnel | |
|---|---------------|---------------|---------------|---------------|-----------------------|--------------|--------------|--------------|-------------|-------------|-----------------|--------------|
| | All | Women | All | Women | All | Women | All | Women | All | Women | All | Women |
| Region Vojvodine | 4202,6 | 2172,2 | 2586,8 | 1286,6 | 297,3 | 140,3 | 446,6 | 308,2 | 86,4 | 44,6 | 785,5 | 392,5 |
| <i>Non-profit sector</i> | 27,0 | 7,2 | 6,8 | 1,2 | 10,0 | 5,0 | 6,0 | 1,0 | 2,2 | - | 2,0 | - |
| Natural sciences, mathematics | 1,0 | 0,2 | 0,8 | 0,2 | - | - | - | - | 0,2 | - | - | - |
| Engineering and technology | 18,0 | 7,0 | 5,0 | 1,0 | 9,0 | 5,0 | 4,0 | 1,0 | - | - | - | - |
| Medical sciences | 7,0 | - | 1,0 | - | 1,0 | - | 2,0 | - | 1,0 | - | 2,0 | - |
| Social sciences | 1,0 | - | - | - | - | - | - | - | 1,0 | - | - | - |
| <i>Government sector</i> | 769,6 | 368,5 | 157,1 | 80,0 | 34,0 | 15,0 | 51,0 | 31,0 | 21,0 | 7,0 | 506,5 | 235,5 |
| Engineering and technology | 38,0 | 10,0 | 21,0 | 5,0 | - | - | 7,0 | 3,0 | - | - | 10,0 | 2,0 |
| Medical sciences | 731,6 | 358,5 | 136,1 | 75,0 | 34,0 | 15,0 | 44,0 | 28,0 | 21,0 | 7,0 | 496,5 | 233,5 |
| <i>Tertiary education</i> | 3406,0 | 1796,5 | 2423,0 | 1205,4 | 253,3 | 120,3 | 389,6 | 276,2 | 63,2 | 37,6 | 277,0 | 157,0 |
| Natural sciences, mathematics | 530,0 | 302,0 | 375,0 | 204,0 | 20,0 | 8,0 | 41,0 | 28,0 | 12,0 | 10,0 | 82,0 | 52,0 |
| Engineering and technology | 856,8 | 358,8 | 570,6 | 225,8 | 65,0 | 10,0 | 68,2 | 43,0 | 4,0 | 1,0 | 149,0 | 79,0 |
| Agricultural sciences | 387,1 | 240,4 | 299,1 | 174,4 | 3,0 | 2,0 | 64,0 | 48,0 | 21,0 | 16,0 | - | - |
| Medical sciences | 373,8 | 195,8 | 248,0 | 124,3 | 11,0 | 5,0 | 76,5 | 49,5 | 3,3 | - | 35,0 | 17,0 |
| Social sciences | 581,0 | 298,2 | 417,9 | 190,6 | 38,3 | 22,3 | 93,9 | 67,7 | 22,9 | 10,6 | 8,0 | 7,0 |
| Humanities | 677,4 | 401,3 | 512,4 | 286,3 | 116,0 | 73,0 | 46,0 | 40,0 | - | - | 3,0 | 2,0 |
| SRBIJA – SOUTH | 3049,5 | 1558,0 | 2131,5 | 1011,6 | 192,7 | 97,7 | 445,6 | 293,0 | 31,3 | 17,4 | 248,3 | 138,4 |
| <i>Non-profit sector</i> | 54,7 | 14,2 | 32,5 | 7,0 | 1,9 | 0,4 | 13,5 | 4,0 | 4,8 | 2,4 | 2,0 | 0,4 |
| Natural sciences, mathematics | 8,3 | 1,6 | - | - | - | - | 8,3 | 1,6 | - | - | - | - |
| Engineering and technology | 40,4 | 7,6 | 28,5 | 3,0 | 1,9 | 0,4 | 4,2 | 2,4 | 3,8 | 1,4 | 2,0 | 0,4 |
| Agricultural sciences | 2,0 | 2,0 | 1,0 | 1,0 | - | - | - | - | 1,0 | 1,0 | - | - |
| Medical sciences | 1,0 | - | - | - | - | - | 1,0 | - | - | - | - | - |
| Social sciences | 3,0 | 3,0 | 3,0 | 3,0 | - | - | - | - | - | - | - | - |
| <i>Government sector</i> | 294,0 | 159,0 | 64,0 | 35,0 | 73,0 | 33,0 | 42,0 | 31,0 | - | - | 115,0 | 60,0 |
| Engineering and technology | 202,0 | 116,0 | 33,0 | 19,0 | 60,0 | 28,0 | 23,0 | 20,0 | - | - | 86,0 | 49,0 |
| Medical sciences | 92,0 | 43,0 | 31,0 | 16,0 | 13,0 | 5,0 | 19,0 | 11,0 | - | - | 29,0 | 11,0 |
| <i>Tertiary education</i> | 2699,7 | 1383,8 | 2035,0 | 969,6 | 116,8 | 63,3 | 390,1 | 258,0 | 26,5 | 15,0 | 131,3 | 78,0 |
| Natural sciences, mathematics | 275,8 | 165,3 | 211,8 | 134,3 | 18,0 | 9,0 | 25,0 | 11,0 | 5,0 | 3,0 | 16,0 | 8,0 |
| Engineering and technology | 767,3 | 251,7 | 609,0 | 182,1 | 52,0 | 18,7 | 58,6 | 29,0 | 7,5 | 3,0 | 40,3 | 19,0 |
| Agricultural sciences | 615,4 | 363,2 | 446,6 | 243,2 | 14,8 | 12,5 | 122,0 | 83,5 | - | - | 32,0 | 24,0 |
| Medical sciences | 42,0 | 19,0 | 37,0 | 14,0 | - | - | 5,0 | 5,0 | - | - | - | - |
| Social sciences | 616,0 | 341,3 | 434,0 | 218,3 | 19,5 | 14,5 | 122,5 | 83,5 | 14,0 | 9,0 | 26,0 | 16,0 |
| Humanities | 383,3 | 243,4 | 296,7 | 177,8 | 12,6 | 8,6 | 57,0 | 46,0 | - | - | 17,0 | 11,0 |
| <i>Non-profit sector</i> | 1,0 | 1,0 | - | - | 1,0 | 1,0 | - | - | - | - | - | - |
| Social sciences | 1,0 | 1,0 | - | - | 1,0 | 1,0 | - | - | - | - | - | - |
| Region Sumadije i Zapadne Srbije | 1098,2 | 567,4 | 843,9 | 412,9 | 55,9 | 32,9 | 132,8 | 84,9 | 22,3 | 11,4 | 43,3 | 25,4 |
| <i>Non-profit sector</i> | 39,4 | 8,6 | 30,5 | 6,0 | 0,9 | 0,4 | 4,2 | 1,4 | 2,8 | 0,4 | 1,0 | 0,4 |
| Engineering and technology | 35,4 | 5,6 | 27,5 | 3,0 | 0,9 | 0,4 | 3,2 | 1,4 | 2,8 | 0,4 | 1,0 | 0,4 |
| Medical sciences | 1,0 | - | - | - | - | - | 1,0 | - | - | - | - | - |
| Social sciences | 3,0 | 3,0 | 3,0 | 3,0 | - | - | - | - | - | - | - | - |
| <i>Government sector</i> | 24,0 | 13,0 | 16,0 | 10,0 | 3,0 | 1,0 | 3,0 | 1,0 | - | - | 2,0 | 1,0 |
| Medical sciences | 24,0 | 13,0 | 16,0 | 10,0 | 3,0 | 1,0 | 3,0 | 1,0 | - | - | 2,0 | 1,0 |
| <i>Tertiary education</i> | 1033,8 | 544,8 | 797,4 | 396,9 | 51,0 | 30,5 | 125,6 | 82,5 | 19,5 | 11,0 | 40,3 | 24,0 |
| Natural sciences, mathematics | 229,0 | 136,5 | 165,0 | 105,5 | 18,0 | 9,0 | 25,0 | 11,0 | 5,0 | 3,0 | 16,0 | 8,0 |
| Engineering and technology | 185,2 | 52,0 | 165,1 | 44,7 | 4,7 | 1,4 | 4,6 | - | 3,5 | 1,0 | 7,3 | 5,0 |
| Agricultural sciences | 106,4 | 60,2 | 78,6 | 41,2 | 10,8 | 8,5 | 17,0 | 10,5 | - | - | - | - |
| Medical sciences | 42,0 | 19,0 | 37,0 | 14,0 | - | - | 5,0 | 5,0 | - | - | - | - |
| Social sciences | 275,0 | 153,8 | 207,0 | 105,8 | 5,0 | 3,0 | 52,0 | 38,0 | 11,0 | 7,0 | - | - |
| Humanities | 196,3 | 123,4 | 144,7 | 85,8 | 12,6 | 8,6 | 22,0 | 18,0 | - | - | 17,0 | 11,0 |
| <i>Non-profit sector</i> | 1,0 | 1,0 | - | - | 1,0 | 1,0 | - | - | - | - | - | - |
| Social sciences | 1,0 | 1,0 | - | - | 1,0 | 1,0 | - | - | - | - | - | - |
| Region Juzne i Zapadne Srbije | 1951,3 | 990,6 | 1287,7 | 598,7 | 136,8 | 64,8 | 312,8 | 208,1 | 9,0 | 6,0 | 205,0 | 113,0 |
| <i>Non-profit sector</i> | 15,3 | 5,6 | 2,0 | 1,0 | 1,0 | - | 9,3 | 2,6 | 2,0 | 2,0 | 1,0 | - |
| Natural sciences, mathematics | 8,3 | 1,6 | - | - | - | - | 8,3 | 1,6 | - | - | - | - |
| Engineering and technology | 5,0 | 2,0 | 1,0 | - | 1,0 | - | 1,0 | 1,0 | 1,0 | 1,0 | 1,0 | - |
| Agricultural sciences | 2,0 | 2,0 | 1,0 | 1,0 | - | - | - | - | 1,0 | 1,0 | - | - |
| <i>Government sector</i> | 270,0 | 146,0 | 48,0 | 25,0 | 70,0 | 32,0 | 39,0 | 30,0 | - | - | 113,0 | 59,0 |
| Engineering and technology | 202,0 | 116,0 | 33,0 | 19,0 | 60,0 | 28,0 | 23,0 | 20,0 | - | - | 86,0 | 49,0 |
| Medical sciences | 68,0 | 30,0 | 15,0 | 6,0 | 10,0 | 4,0 | 16,0 | 10,0 | - | - | 27,0 | 10,0 |
| <i>Tertiary education</i> | 1666,0 | 839,0 | 1237,7 | 572,7 | 65,8 | 32,8 | 264,5 | 175,5 | 7,0 | 4,0 | 91,0 | 54,0 |
| Natural sciences, mathematics | 46,8 | 28,8 | 46,8 | 28,8 | - | - | - | - | - | - | - | - |
| Engineering and technology | 582,2 | 199,7 | 443,9 | 137,4 | 47,3 | 17,3 | 54,0 | 29,0 | 4,0 | 2,0 | 33,0 | 14,0 |
| Agricultural sciences | 509,0 | 303,0 | 368,0 | 202,0 | 4,0 | 4,0 | 105,0 | 73,0 | - | - | 32,0 | 24,0 |
| Social sciences | 341,0 | 187,5 | 227,0 | 112,5 | 14,5 | 11,5 | 70,5 | 45,5 | 3,0 | 2,0 | 26,0 | 16,0 |
| Humanities | 187,0 | 120,0 | 152,0 | 92,0 | - | - | 35,0 | 28,0 | - | - | - | - |
| Region Kosovo i Metohija | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

3-1. Full-time and part-time researchers, by academic titles, sectors, scientific fields and sex, 2011
 (physical persons)

| | Full-time and part-time researchers | | | | | | | | | |
|---|-------------------------------------|----------|--------------------|-------------|--------------------|-------------|-------------|---------------|-------------------|-------------|
| | Total | | Doctors of science | | Masters of science | | Specialists | | University degree | |
| | All | Women | All | Women | All | Women | All | Women | All | Women |
| REPUBLIC OF SERBIA | 13609 671 | 6 | 7742 | 3462 | 2927 | 1596 | 66 | 38 287 | 4 | 1620 |
| <i>Business sector</i> | 165 | 52 | 19 | 5 | 16 | 6 | 3 | 2 | 127 | 39 |
| Natural sciences, mathematics | 13 | 4 | 4 | - | 1 | 1 | - | - | 8 | 3 |
| Computing - computer programming | 2 | - | - | - | - | - | - | - | 2 | - |
| Earth science (geology, geophysics, geography) | 4 | 1 | 3 | - | 1 | 1 | - | - | - | - |
| Chemistry | 7 | 3 | 1 | - | - | - | - | - | 6 | 3 |
| Engineering and technology | 105 | 22 | 9 | 2 | 12 | 3 | 1 | - | 83 | 17 |
| Architecture, town planning, landscape planning | 3 | 1 | - | - | - | - | - | - | 3 | 1 |
| Building and civil engineering, and water engineering/technology | 9 | 1 | - | - | - | - | - | - | 9 | 1 |
| Mechanics | 12 | - | 2 | - | - | - | - | - | 10 | - |
| Metallurgical engineering | 20 | 2 | 4 | 1 | 3 | - | - | - | 13 | 1 |
| Transport | 2 | 2 | - | - | - | - | - | - | 2 | 2 |
| Food processing | 59 | 16 | 3 | 1 | 9 | 3 | 1 | - | 46 | 12 |
| Agricultural sciences | 41 | 22 | 3 | 1 | 1 | - | 2 | 2 | 35 | 19 |
| Plant protection | 12 | 2 | 3 | 1 | - | - | - | - | 9 | 1 |
| Crop production (crop and vegetable production, fruit and vine growing) | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Animal farming | 5 | 4 | - | - | - | - | 1 | 1 | 4 | 3 |
| Fishery and game | 23 | 15 | - | - | 1 | - | 1 | 1 | 21 | 14 |
| Agricultural sciences | 1 | - | - | - | - | - | - | - | 1 | - |
| Pharmacy | 1 | - | - | - | - | - | - | - | 1 | - |
| Social sciences | 5 | 4 | 3 | 2 | 2 | 2 | - | - | - | - |
| Demography and social geography | 3 | 3 | 1 | 1 | 2 | 2 | - | - | - | - |
| Economics | 2 | 1 | 2 | 1 | - | - | - | - | - | - |
| <i>Government sector</i> | 2929 | 1636 | 1401 | 732 | 853 | 517 | 17 | 5 | 658 | 382 |
| Natural sciences, mathematics | 1360 | 791 | 687 | 368 | 356 | 225 | - | - | 317 | 198 |
| Mathematics and statistics | 69 | 20 | 31 | 6 | 15 | 6 | - | - | 23 | 8 |
| Astronomy | 212 | 74 | 138 | 41 | 15 | 9 | - | - | 59 | 24 |
| Atmospheric and hydrologic sciences | 343 | 289 | 186 | 154 | 38 | 36 | - | - | 119 | 99 |
| Chemistry | 736 | 408 | 332 | 167 | 288 | 174 | - | - | 116 | 67 |
| Engineering and technology | 389 | 165 | 120 | 47 | 101 | 47 | 6 | 1 | 162 | 70 |
| Architecture, town planning and spatial planning | 20 | 14 | 8 | 4 | 8 | 6 | - | - | 4 | 4 |
| Building and civil engineering, and water engineering/technology | 179 | 63 | 37 | 7 | 43 | 21 | - | - | 99 | 35 |
| Electrical engineering – energy science | 15 | 6 | 7 | 3 | 1 | - | - | - | 7 | 3 |
| Mechanics | 27 | 11 | 12 | 4 | 1 | - | 6 | 1 | 8 | 6 |
| Transport | 21 | 5 | 9 | 2 | 7 | 1 | - | - | 5 | 2 |
| Wood processing | 31 | 20 | 9 | 5 | 10 | 7 | - | - | 12 | 8 |
| Food processing | 96 | 46 | 38 | 22 | 31 | 12 | - | - | 27 | 12 |
| Agricultural sciences | 163 | 133 | 82 | 64 | 47 | 42 | - | - | 34 | 27 |
| Animal farming | 64 | 58 | 31 | 26 | 19 | 18 | - | - | 14 | 14 |
| Fishery and game | 99 | 75 | 51 | 38 | 28 | 24 | - | - | 20 | 13 |
| Medical sciences | 400 | 223 | 220 | 122 | 102 | 50 | 4 | 3 | 74 | 48 |
| Pharmacy | 48 | 25 | 22 | 12 | 20 | 8 | - | - | 6 | 5 |
| Basic medical science, except pharmacy | 25 | 14 | 15 | 8 | 9 | 5 | 1 | 1 | - | - |
| Internal medicine | 24 | 14 | 16 | 9 | 4 | 3 | - | - | 4 | 2 |
| Surgery | 218 | 117 | 129 | 70 | 45 | 22 | - | - | 44 | 25 |
| Dentistry | 85 | 53 | 38 | 23 | 24 | 12 | 3 | 2 | 20 | 16 |
| Social sciences | 296 | 148 | 145 | 61 | 118 | 69 | 1 | - | 32 | 18 |
| Demography and social geography | 79 | 35 | 39 | 15 | 36 | 19 | - | - | 4 | 1 |
| Economics | 24 | 20 | 12 | 11 | 11 | 8 | - | - | 1 | 1 |
| Political sciences | 20 | 11 | 10 | 4 | 7 | 5 | - | - | 3 | 2 |
| Organisational sciences | 83 | 25 | 42 | 11 | 28 | 10 | 1 | - | 12 | 4 |
| Management | 29 | 19 | 5 | - | 21 | 16 | - | - | 3 | 3 |
| Psychology | 61 | 38 | 37 | 20 | 15 | 11 | - | - | 9 | 7 |
| Humanities | 321 | 176 | 147 | 70 | 129 | 84 | 6 | 1 | 39 | 21 |
| History | 172 | 74 | 89 | 34 | 56 | 31 | 6 | 1 | 21 | 8 |
| Archeology | 91 | 64 | 27 | 18 | 50 | 37 | - | - | 14 | 9 |
| Philosophy and theology | 17 | 6 | 12 | 1 | 2 | 2 | - | - | 3 | 3 |
| Foreign languages and mother tongue | 13 | 10 | 6 | 6 | 7 | 4 | - | - | - | - |
| Literature | 28 | 22 | 13 | 11 | 14 | 10 | - | - | 1 | 1 |
| <i>Tertiary education</i> | 10506 | 5020 | 6319 | 2722 | 2056 | 1071 | 43 | 29 | 2088 | 1198 |
| Natural sciences, mathematics | 1355 | 665 | 768 | 309 | 156 | 89 | 5 | 3 | 426 | 264 |
| Mathematics and statistics | 740 | 388 | 377 | 156 | 66 | 41 | - | - | 297 | 191 |
| Computing science – software design | 39 | 10 | 23 | 5 | 8 | 2 | - | - | 8 | 3 |
| Astronomy | 87 | 23 | 51 | 13 | 9 | 3 | - | - | 27 | 7 |
| Physics and nuclear physics | 137 | 75 | 83 | 39 | 28 | 18 | - | - | 26 | 18 |
| Earth science (geology, geophysics, geography) | 203 | 80 | 140 | 42 | 37 | 21 | 5 | 3 | 21 | 14 |
| Atmospheric and hydrologic sciences | 149 | 89 | 94 | 54 | 8 | 4 | - | - | 47 | 31 |

3-1. Full-time and part-time researchers, by academic titles, sectors, scientific fields and sex, 2011 (physical persons) (continued)

| | Full-time and part-time researchers | | | | | | | | | |
|--|-------------------------------------|-------------|--------------------|-------------|--------------------|-------------|-------------|-----------|-------------------|-------------|
| | Total | | Doctors of science | | Masters of science | | Specialists | | University degree | |
| | All | Women | All | Women | All | Women | All | Women | All | Women |
| Engineering and technology | 2522 | 848 | 1397 | 425 | 574 | 198 | 1 | 1 | 550 | 224 |
| Architecture, town planning and town planning | 308 | 119 | 173 | 57 | 66 | 34 | - | - | 69 | 28 |
| Building and civil engineering, and water engineering/technology | 400 | 107 | 237 | 60 | 122 | 34 | - | - | 41 | 13 |
| Electrical engineering – energy science | 480 | 93 | 309 | 52 | 127 | 30 | 1 | 1 | 43 | 10 |
| Electrical engineering - Electrical engineering | 48 | 14 | 38 | 12 | 7 | - | - | - | 3 | 2 |
| Mechanics | 173 | 102 | 114 | 62 | 46 | 30 | - | - | 13 | 10 |
| Transport | 7 | 5 | 5 | 4 | 1 | - | - | - | 1 | 1 |
| Food processing | 1106 | 408 | 521 | 178 | 205 | 70 | - | - | 380 | 160 |
| Agricultural sciences | 2123 | 1219 | 1368 | 715 | 311 | 207 | 14 | 10 | 430 | 287 |
| Land and water (fertilisation and land melioration, etc.) | 1204 | 679 | 736 | 369 | 114 | 73 | 14 | 10 | 340 | 227 |
| Plant protection | 572 | 314 | 402 | 205 | 101 | 61 | - | - | 69 | 48 |
| Fishery and game | 347 | 226 | 230 | 141 | 96 | 73 | - | - | 21 | 12 |
| Medical sciences | 801 | 387 | 529 | 249 | 181 | 83 | 3 | 3 | 88 | 52 |
| Pharmacy | 671 | 316 | 437 | 200 | 156 | 71 | 3 | 3 | 75 | 42 |
| Internal medicine | 108 | 59 | 75 | 41 | 21 | 8 | - | - | 12 | 10 |
| Surgery | 22 | 12 | 17 | 8 | 4 | 4 | - | - | 1 | - |
| Social sciences | 2226 | 1064 | 1535 | 632 | 360 | 220 | 18 | 12 | 313 | 200 |
| Demography and social geography | 886 | 432 | 642 | 262 | 128 | 88 | - | - | 116 | 82 |
| Economics | 381 | 241 | 229 | 125 | 70 | 53 | 6 | 4 | 76 | 59 |
| Political sciences | 406 | 165 | 300 | 105 | 58 | 34 | 8 | 4 | 40 | 22 |
| Organizational sciences | 94 | 36 | 64 | 23 | 22 | 8 | - | - | 8 | 5 |
| Sociology | 63 | 40 | 44 | 29 | 11 | 3 | 3 | 3 | 5 | 5 |
| Psychology | 396 | 150 | 256 | 88 | 71 | 34 | 1 | 1 | 68 | 27 |
| Humanities | 1479 | 837 | 722 | 392 | 474 | 274 | 2 | - | 281 | 171 |
| Archeology | 492 | 316 | 239 | 141 | 134 | 84 | - | - | 119 | 91 |
| Phylosophy and theology | 707 | 380 | 433 | 217 | 205 | 126 | 2 | - | 67 | 37 |
| Foreign languages and mother tongue | 280 | 141 | 50 | 34 | 135 | 64 | - | - | 95 | 43 |
| <i>Non-profit sector</i> | 9 | 8 | 3 | 3 | 2 | 2 | 3 | 2 | 1 | 1 |
| Social sciences | 1 | 1 | - | - | 1 | 1 | - | - | - | - |
| Demography and social geography | 1 | 1 | - | - | 1 | 1 | - | - | - | - |
| Humanities | 8 | 7 | 3 | 3 | 1 | 1 | 3 | 2 | 1 | 1 |
| Literature | 8 | 7 | 3 | 3 | 1 | 1 | 3 | 2 | 1 | 1 |
| SRBIJA – NORTH | 11175 | 5576 | 6302 | 2854 | 2388 | 1316 | 50 | 27 | 2435 | 1379 |
| <i>Business sector</i> | 132 | 45 | 14 | 3 | 11 | 4 | 2 | 2 | 105 | 36 |
| Natural sciences, mathematics | 13 | 4 | 4 | - | 1 | 1 | - | - | 8 | 3 |
| Computing science – software design | 2 | - | - | - | - | - | - | - | 2 | - |
| Earth science (geology, geophysics, geography) | 4 | 1 | 3 | - | 1 | 1 | - | - | - | - |
| Chemistry | 7 | 3 | 1 | - | - | - | - | - | 6 | 3 |
| <i>Engineering and technology</i> | 76 | 19 | 5 | 1 | 9 | 3 | - | - | 62 | 15 |
| Architecture, town planning and spatial planning | 3 | 1 | - | - | - | - | - | - | 3 | 1 |
| Building and civil engineering, and water engineering/technology | 3 | - | - | - | - | - | - | - | 3 | - |
| Mechanics | 12 | - | 2 | - | - | - | - | - | 10 | - |
| Transport | 2 | 2 | - | - | - | - | - | - | 2 | 2 |
| Food processing | 56 | 16 | 3 | 1 | 9 | 3 | - | - | 44 | 12 |
| Agricultural sciences | 40 | 21 | 3 | 1 | 1 | - | 2 | 2 | 34 | 18 |
| Plant protection | 12 | 2 | 3 | 1 | - | - | - | - | 9 | 1 |
| Animal farming | 5 | 4 | - | - | - | - | 1 | 1 | 4 | 3 |
| Fishery and game | 23 | 15 | - | - | 1 | - | 1 | 1 | 21 | 14 |
| Medical sciences | 1 | - | - | - | - | - | - | - | 1 | - |
| Pharmacy | 1 | - | - | - | - | - | - | - | 1 | - |
| Social sciences | 2 | 1 | 2 | 1 | - | - | - | - | - | - |
| Economics | 2 | 1 | 2 | 1 | - | - | - | - | - | - |
| <i>Government sector</i> | 2865 | 1601 | 1374 | 719 | 825 | 503 | 17 | 5 | 649 | 374 |
| Natural sciences, mathematics | 1360 | 791 | 687 | 368 | 356 | 225 | - | - | 317 | 198 |
| Mathematics and statistics | 69 | 20 | 31 | 6 | 15 | 6 | - | - | 23 | 8 |
| Astronomy | 212 | 74 | 138 | 41 | 15 | 9 | - | - | 59 | 24 |
| Atmospheric and hydrologic sciences | 343 | 289 | 186 | 154 | 38 | 36 | - | - | 119 | 99 |
| Chemistry | 736 | 408 | 332 | 167 | 288 | 174 | - | - | 116 | 67 |
| Engineering and technology | 356 | 146 | 108 | 42 | 88 | 40 | 6 | 1 | 154 | 63 |
| Architecture, town planning and spatial planning | 20 | 14 | 8 | 4 | 8 | 6 | - | - | 4 | 4 |
| Building and civil engineering, and water engineering/technology | 179 | 63 | 37 | 7 | 43 | 21 | - | - | 99 | 35 |
| Electrical engineering – energy science | 15 | 6 | 7 | 3 | 1 | - | - | - | 7 | 3 |
| Mechanics | 27 | 11 | 12 | 4 | 1 | - | 6 | 1 | 8 | 6 |
| Transport | 21 | 5 | 9 | 2 | 7 | 1 | - | - | 5 | 2 |
| Wood processing | 31 | 20 | 9 | 5 | 10 | 7 | - | - | 12 | 8 |
| Food processing | 63 | 27 | 26 | 17 | 18 | 5 | - | - | 19 | 5 |
| Agricultural sciences | 163 | 133 | 82 | 64 | 47 | 42 | - | - | 34 | 27 |
| Animal farming | 64 | 58 | 31 | 26 | 19 | 18 | - | - | 14 | 14 |
| Fishery and game | 99 | 75 | 51 | 38 | 28 | 24 | - | - | 20 | 13 |

3-1. Full-time and part-time researchers, by academic titles, sectors, scientific fields and sex, 2011 (physical persons) (continued)

| | Full-time and part-time researchers | | | | | | | | | | |
|--|-------------------------------------|------------|--------------------|-------------|--------------------|-------------|-------------|-----------|-------------------|----------|------------|
| | Total | | Doctors of science | | Masters of science | | Specialists | | University degree | | |
| | All | Women | All | Women | All | Women | All | Women | All | Women | |
| Medical science | 369 | 207 | 205 | 114 | 87 | 43 | 4 | 3 | 73 | 47 | |
| Pharmacy | 48 | 25 | 22 | 12 | 20 | 8 | - | - | 6 | 5 | |
| Basic medical science, except pharmacy | 25 | 14 | 15 | 8 | 9 | 5 | 1 | 1 | - | - | |
| Internal medicine | 24 | 14 | 16 | 9 | 4 | 3 | - | - | 4 | 2 | |
| Surgery | 218 | 117 | 129 | 70 | 45 | 22 | - | - | 44 | 25 | |
| Dentistry | 54 | 37 | 23 | 15 | 9 | 5 | 3 | 2 | 19 | 15 | |
| Social science | 296 | 148 | 145 | 61 | 118 | 69 | 1 | - | 32 | 18 | |
| Demography and social geography | 79 | 35 | 39 | 15 | 36 | 19 | - | - | 4 | 1 | |
| Economics | 24 | 20 | 12 | 11 | 11 | 8 | - | - | 1 | 1 | |
| Political sciences | 20 | 11 | 10 | 4 | 7 | 5 | - | - | 3 | 2 | |
| Organizational sciences | 83 | 25 | 42 | 11 | 28 | 10 | 1 | - | 12 | 4 | |
| Management | 29 | 19 | 5 | - | 21 | 16 | - | - | 3 | 3 | |
| Psychology | 61 | 38 | 37 | 20 | 15 | 11 | - | - | 9 | 7 | |
| Humanities | 321 | 176 | 147 | 70 | 129 | 84 | 6 | 1 | 39 | 21 | |
| History | 172 | 74 | 89 | 34 | 56 | 31 | 6 | 1 | 21 | 8 | |
| Archeology | 91 | 64 | 27 | 18 | 50 | 37 | - | - | 14 | 9 | |
| Philosophy and theology | 17 | 6 | 12 | 1 | 2 | 2 | - | - | 3 | 3 | |
| Foreign languages and mother tongue | 13 | 10 | 6 | 6 | 7 | 4 | - | - | - | - | |
| Literature | 28 | 22 | 13 | 11 | 14 | 10 | - | - | 1 | 1 | |
| <i>Tertiary education</i> | 8169 | 3922 | 4911 | 2129 | 1550 | 807 | 28 | 18 | 1680 | 968 | |
| Natural sciences, mathematics | 1139 | 529 | 693 | 271 | 140 | 77 | 5 | 3 | 301 | 178 | |
| Mathematics and statistics | 524 | 252 | 302 | 118 | 50 | 29 | - | - | 172 | 105 | |
| Computing science – software design | 39 | 10 | 23 | 5 | 8 | 2 | - | - | 8 | 3 | |
| Astronomy | 87 | 23 | 51 | 13 | 9 | 3 | - | - | 27 | 7 | |
| Physics and nuclear physics | 137 | 75 | 83 | 39 | 28 | 18 | - | - | 26 | 18 | |
| Earth science (geology, geophysics and geography) | 203 | 80 | 140 | 42 | 37 | 21 | 5 | 3 | 21 | 14 | |
| Atmosphere and hydrologic sciences | 149 | 89 | 94 | 54 | 8 | 4 | - | - | 47 | 31 | |
| Engineering and technology | 1817 | 640 | 969 | 307 | 394 | 143 | - | - | 454 | 190 | |
| Architecture, town planning and spatial planning | 228 | 89 | 131 | 45 | 38 | 16 | - | - | 59 | 28 | |
| Building and civil engineering, and water engineering/technology | 180 | 40 | 97 | 18 | 59 | 15 | - | - | 24 | 7 | |
| Electrical engineering – energy science | 245 | 48 | 176 | 27 | 67 | 20 | - | - | 2 | 1 | |
| Mechanics | 173 | 102 | 114 | 62 | 46 | 30 | - | - | 13 | 10 | |
| Transport | 7 | 5 | 5 | 4 | 1 | - | - | - | 1 | 1 | |
| Food processing | 984 | 356 | 446 | 151 | 183 | 62 | - | - | 355 | 143 | |
| Agricultural sciences | 1516 | 894 | 980 | 525 | 197 | 134 | - | - | 339 | 235 | |
| Land and water (fertilisation and melioration, etc.) | 597 | 354 | 348 | 179 | - | - | - | - | 249 | 175 | |
| Plant protection | 572 | 314 | 402 | 205 | 101 | 61 | - | - | 69 | 48 | |
| Fishery and game | 347 | 226 | 230 | 141 | 96 | 73 | - | - | 21 | 12 | |
| Medical science | 764 | 373 | 503 | 237 | 170 | 81 | 3 | 3 | 88 | 52 | |
| Pharmacy | 634 | 302 | 411 | 188 | 145 | 69 | 3 | 3 | 75 | 42 | |
| Internal medicine | 108 | 59 | 75 | 41 | 21 | 8 | - | - | 12 | 10 | |
| Surgery | 22 | 12 | 17 | 8 | 4 | 4 | - | - | 1 | - | |
| Social sciences | 1757 | 830 | 1212 | 488 | 275 | 169 | 18 | 12 | 252 | 161 | |
| Demography and social geography | 703 | 340 | 505 | 200 | 104 | 74 | - | - | 94 | 66 | |
| Economics | 269 | 168 | 165 | 90 | 40 | 29 | 6 | 4 | 58 | 45 | |
| Political sciences | 312 | 129 | 234 | 82 | 46 | 28 | 8 | 4 | 24 | 15 | |
| Organizational sciences | 94 | 36 | 64 | 23 | 22 | 8 | - | - | 8 | 5 | |
| Sociology | 63 | 40 | 44 | 29 | 11 | 3 | 3 | 3 | 5 | 5 | |
| Psychology | 316 | 117 | 200 | 64 | 52 | 27 | 1 | 1 | 63 | 25 | |
| Humanities | 1176 | 656 | 554 | 301 | 374 | 203 | 2 | - | 246 | 152 | |
| Archeology | 341 | 227 | 150 | 92 | 79 | 44 | - | - | 112 | 91 | |
| Philosophy and theology | 555 | 288 | 354 | 175 | 160 | 95 | 2 | - | 39 | 18 | |
| Foreign languages and mother tongue | 280 | 141 | 50 | 34 | 135 | 64 | - | - | 95 | 43 | |
| <i>Non-profit sector</i> | 9 | 8 | 3 | 3 | 2 | 2 | 3 | 2 | 1 | 1 | |
| Social sciences | 1 | 1 | - | - | 1 | 1 | - | - | - | - | |
| Demography and social geography | 1 | 1 | - | - | 1 | 1 | - | - | - | - | |
| Humanities | 8 | 7 | 3 | 3 | 1 | 1 | 3 | 2 | 1 | 1 | |
| Literature | 8 | 7 | 3 | 3 | 1 | 1 | 3 | 2 | 1 | 1 | |
| Beogradski region | 7777 | 393 | 4 | 4485 | 2060 | 1793 | 1029 | 31 | 15 146 | 8 | 830 |
| <i>Business sector</i> | 122 | 43 | 11 | 3 | 10 | 3 | 2 | 2 | 99 | 35 | |
| Natural sciences, mathematics | 9 | 3 | 1 | - | - | - | - | - | 8 | 3 | |
| Computing science – software design | 2 | - | - | - | - | - | - | - | 2 | - | |
| Chemistry | 7 | 3 | 1 | - | - | - | - | - | 6 | 3 | |
| Engineering and technology | 71 | 18 | 5 | 1 | 9 | 3 | - | - | 57 | 14 | |
| Building and civil engineering, and water engineering/technology | 1 | - | - | - | - | - | - | - | 1 | - | |
| Mechanics | 12 | - | 2 | - | - | - | - | - | 10 | - | |
| Transport | 2 | 2 | - | - | - | - | - | - | 2 | 2 | |
| Food processing | 56 | 16 | 3 | 1 | 9 | 3 | - | - | 44 | 12 | |
| Agricultural sciences | 40 | 21 | 3 | 1 | 1 | - | 2 | 2 | 34 | 18 | |
| Plant protection | 12 | 2 | 3 | 1 | - | - | - | - | 9 | 1 | |
| Animal farming | 5 | 4 | - | - | - | - | 1 | 1 | 4 | 3 | |
| Fishery and game | 23 | 15 | - | - | 1 | - | 1 | 1 | 21 | 14 | |
| Social sciences | 2 | 1 | 2 | 1 | - | - | - | - | - | - | |
| Economics | 2 | 1 | 2 | 1 | - | - | - | - | - | - | |

3-1. Full-time and part-time researchers, by academic titles, sectors, scientific fields and sex, 2011 (physical persons) (continued)

| | Full-time and part-time researchers | | | | | | | | | |
|--|-------------------------------------|-------|--------------------|-------|--------------------|-------|-------------|-------|-------------------|-------|
| | Total | | Doctors of science | | Masters of science | | Specialists | | University degree | |
| | All | Women | All | Women | All | Women | All | Women | All | Women |
| <i>Government sector</i> | 2707 | 1521 | 1294 | 680 | 798 | 493 | 14 | 3 | 601 | 345 |
| Natural sciences, mathematics | 1360 | 791 | 687 | 368 | 356 | 225 | - | - | 317 | 198 |
| Mathematics and statistics | 69 | 20 | 31 | 6 | 15 | 6 | - | - | 23 | 8 |
| Astronomy | 212 | 74 | 138 | 41 | 15 | 9 | - | - | 59 | 24 |
| Atmospheric and hydrologic sciences | 343 | 289 | 186 | 154 | 38 | 36 | - | - | 119 | 99 |
| Chemistry | 736 | 408 | 332 | 167 | 288 | 174 | - | - | 116 | 67 |
| Engineering and technology | 335 | 141 | 99 | 40 | 81 | 39 | 6 | 1 | 149 | 61 |
| Architecture, town planning, spatial planning | 20 | 14 | 8 | 4 | 8 | 6 | - | - | 4 | 4 |
| Building and civil engineering, and water engineering/technology | 179 | 63 | 37 | 7 | 43 | 21 | - | - | 99 | 35 |
| Electrical engineering – energy science | 15 | 6 | 7 | 3 | 1 | - | - | - | 7 | 3 |
| Mechanics | 27 | 11 | 12 | 4 | 1 | - | 6 | 1 | 8 | 6 |
| Wood processing | 31 | 20 | 9 | 5 | 10 | 7 | - | - | 12 | 8 |
| Food processing | 63 | 27 | 26 | 17 | 18 | 5 | - | - | 19 | 5 |
| Agricultural sciences | 163 | 133 | 82 | 64 | 47 | 42 | - | - | 34 | 27 |
| Animal farming | 64 | 58 | 31 | 26 | 19 | 18 | - | - | 14 | 14 |
| Fishery and game | 99 | 75 | 51 | 38 | 28 | 24 | - | - | 20 | 13 |
| Medical science | 232 | 132 | 134 | 77 | 67 | 34 | 1 | 1 | 30 | 20 |
| Pharmacy | 48 | 25 | 22 | 12 | 20 | 8 | - | - | 6 | 5 |
| Basic medical science, except pharmacy | 25 | 14 | 15 | 8 | 9 | 5 | 1 | 1 | - | - |
| Internal medicine | 24 | 14 | 16 | 9 | 4 | 3 | - | - | 4 | 2 |
| Surgery | 135 | 79 | 81 | 48 | 34 | 18 | - | - | 20 | 13 |
| Social sciences | 296 | 148 | 145 | 61 | 118 | 69 | 1 | - | 32 | 18 |
| Demography and social geography | 79 | 35 | 39 | 15 | 36 | 19 | - | - | 4 | 1 |
| Economics | 24 | 20 | 12 | 11 | 11 | 8 | - | - | 1 | 1 |
| Political sciences | 20 | 11 | 10 | 4 | 7 | 5 | - | - | 3 | 2 |
| Organizational sciences | 83 | 25 | 42 | 11 | 28 | 10 | 1 | - | 12 | 4 |
| Management | 29 | 19 | 5 | - | 21 | 16 | - | - | 3 | 3 |
| Psychology | 61 | 38 | 37 | 20 | 15 | 11 | - | - | 9 | 7 |
| Humanities | 321 | 176 | 147 | 70 | 129 | 84 | 6 | 1 | 39 | 21 |
| History | 172 | 74 | 89 | 34 | 56 | 31 | 6 | 1 | 21 | 8 |
| Archeology | 91 | 64 | 27 | 18 | 50 | 37 | - | - | 14 | 9 |
| Philosophy and theology | 17 | 6 | 12 | 1 | 2 | 2 | - | - | 3 | 3 |
| Foreign languages and mother tongue | 13 | 10 | 6 | 6 | 7 | 4 | - | - | - | - |
| Literature | 28 | 22 | 13 | 11 | 14 | 10 | - | - | 1 | 1 |
| <i>Tertiary education</i> | 4939 | 2362 | 3177 | 1374 | 983 | 531 | 12 | 8 | 767 | 449 |
| Natural sciences, mathematics | 764 | 325 | 462 | 169 | 103 | 55 | 5 | 3 | 194 | 98 |
| Mathematics and statistics | 149 | 48 | 71 | 16 | 13 | 7 | - | - | 65 | 25 |
| Computing science – software design | 39 | 10 | 23 | 5 | 8 | 2 | - | - | 8 | 3 |
| Astronomy | 87 | 23 | 51 | 13 | 9 | 3 | - | - | 27 | 7 |
| Physics and nuclear physics | 137 | 75 | 83 | 39 | 28 | 18 | - | - | 26 | 18 |
| Earth science (geology, geophysics and geography) | 203 | 80 | 140 | 42 | 37 | 21 | 5 | 3 | 21 | 14 |
| Atmospheric and hydrologic sciences | 149 | 89 | 94 | 54 | 8 | 4 | - | - | 47 | 31 |
| Engineering and technology | 911 | 319 | 552 | 173 | 247 | 95 | - | - | 112 | 51 |
| Architecture, town planning and spatial planning | 185 | 75 | 108 | 41 | 33 | 14 | - | - | 44 | 20 |
| Building and civil engineering, and water engineering/technology | 180 | 40 | 97 | 18 | 59 | 15 | - | - | 24 | 7 |
| Electrical engineering – energy science | 218 | 40 | 157 | 24 | 61 | 16 | - | - | - | - |
| Mechanics | 173 | 102 | 114 | 62 | 46 | 30 | - | - | 13 | 10 |
| Transport | 7 | 5 | 5 | 4 | 1 | - | - | - | 1 | 1 |
| Food processing | 148 | 57 | 71 | 24 | 47 | 20 | - | - | 30 | 13 |
| Agricultural science | 883 | 526 | 608 | 339 | 191 | 130 | - | - | 84 | 57 |
| Land and water (fertilisation, melioration, etc.) | 1 | 1 | 1 | 1 | - | - | - | - | - | - |
| Plant protection | 572 | 314 | 402 | 205 | 101 | 61 | - | - | 69 | 48 |
| Fishery and game | 310 | 211 | 205 | 133 | 90 | 69 | - | - | 15 | 9 |
| Medical science | 511 | 247 | 339 | 153 | 96 | 53 | 1 | 1 | 75 | 40 |
| Pharmacy | 403 | 188 | 264 | 112 | 75 | 45 | 1 | 1 | 63 | 30 |
| Internal medicine | 108 | 59 | 75 | 41 | 21 | 8 | - | - | 12 | 10 |
| Social sciences | 1213 | 576 | 861 | 356 | 202 | 127 | 4 | 4 | 146 | 89 |
| Demography and social geography | 470 | 224 | 363 | 147 | 79 | 58 | - | - | 28 | 19 |
| Economics | 181 | 115 | 123 | 66 | 21 | 18 | - | - | 37 | 31 |
| Political sciences | 158 | 66 | 115 | 41 | 30 | 18 | - | - | 13 | 7 |
| Organizational sciences | 94 | 36 | 64 | 23 | 22 | 8 | - | - | 8 | 5 |
| Sociology | 63 | 40 | 44 | 29 | 11 | 3 | 3 | 3 | 5 | 5 |
| Psychology | 247 | 95 | 152 | 50 | 39 | 22 | 1 | 1 | 55 | 22 |
| Humanities | 657 | 369 | 355 | 184 | 144 | 71 | 2 | - | 156 | 114 |
| Archeology | 341 | 227 | 150 | 92 | 79 | 44 | - | - | 112 | 91 |
| Philosophy and theology | 272 | 108 | 169 | 66 | 62 | 24 | 2 | - | 39 | 18 |
| Foreign languages and theology | 44 | 34 | 36 | 26 | 3 | 3 | - | - | 5 | 5 |
| <i>Non-profit sector</i> | 9 | 8 | 3 | 3 | 2 | 2 | 3 | 2 | 1 | 1 |
| Social sciences | 1 | 1 | - | - | 1 | 1 | - | - | - | - |
| Demography and social geography | 1 | 1 | - | - | 1 | 1 | - | - | - | - |
| Humanities | 8 | 7 | 3 | 3 | 1 | 1 | 3 | 2 | 1 | 1 |
| Literature | 8 | 7 | 3 | 3 | 1 | 1 | 3 | 2 | 1 | 1 |

3-1. Full-time and part-time researchers, by academic titles, sectors, scientific fields and sex, 2011 (physical persons) (continued)

| | Full-time and part-time researchers | | | | | | | | | |
|---|-------------------------------------|-------|--------------------|-------|--------------------|-------|-------------|-------|-------------------|-------|
| | Total | | Doctors of science | | Masters of science | | Specialists | | University degree | |
| | All | Women | All | Women | All | Women | All | Women | All | Women |
| Region Vojvodine | 3398 | 1642 | 1817 | 794 | 595 | 287 | 19 | 12 | 967 | 549 |
| <i>Business sector</i> | 10 | 2 | 3 | - | 1 | 1 | - | - | 6 | 1 |
| Natural sciences, mathematics | 4 | 1 | 3 | - | 1 | 1 | - | - | - | - |
| Earth science (geology, geophysics, geography) | 4 | 1 | 3 | - | 1 | 1 | - | - | - | - |
| Engineering and technology | 5 | 1 | - | - | - | - | - | - | 5 | 1 |
| Architecture, town planning, spatial planning | 3 | 1 | - | - | - | - | - | - | 3 | 1 |
| Building and civil engineering, and water engineering/technology | 2 | - | - | - | - | - | - | - | 2 | - |
| Medical sciences | 1 | - | - | - | - | - | - | - | 1 | - |
| Pharmacy | 1 | - | - | - | - | - | - | - | 1 | - |
| <i>Government sector</i> | 158 | 80 | 80 | 39 | 27 | 10 | 3 | 2 | 48 | 29 |
| Engineering and technology | 21 | 5 | 9 | 2 | 7 | 1 | - | - | 5 | 2 |
| Transport | 21 | 5 | 9 | 2 | 7 | 1 | - | - | 5 | 2 |
| Medical sciences | 137 | 75 | 71 | 37 | 20 | 9 | 3 | 2 | 43 | 27 |
| Surgery | 83 | 38 | 48 | 22 | 11 | 4 | - | - | 24 | 12 |
| Dentistry | 54 | 37 | 23 | 15 | 9 | 5 | 3 | 2 | 19 | 15 |
| <i>Tertiary education</i> | 3230 | 1560 | 1734 | 755 | 567 | 276 | 16 | 10 | 913 | 519 |
| Natural sciences, mathematics | 375 | 204 | 231 | 102 | 37 | 22 | - | - | 107 | 80 |
| Mathematics and statistics | 375 | 204 | 231 | 102 | 37 | 22 | - | - | 107 | 80 |
| Engineering and technology | 906 | 321 | 417 | 134 | 147 | 48 | - | - | 342 | 139 |
| Architecture, town planning, spatial planning | 43 | 14 | 23 | 4 | 5 | 2 | - | - | 15 | 8 |
| Electrical engineering – energy science | 27 | 8 | 19 | 3 | 6 | 4 | - | - | 2 | 1 |
| Food processing | 836 | 299 | 375 | 127 | 136 | 42 | - | - | 325 | 130 |
| Agricultural sciences | 633 | 368 | 372 | 186 | 6 | 4 | - | - | 255 | 178 |
| Land and water (fertilisation, melioration, etc.) | 596 | 353 | 347 | 178 | - | - | - | - | 249 | 175 |
| Fishery and game | 37 | 15 | 25 | 8 | 6 | 4 | - | - | 6 | 3 |
| Medical sciences | 253 | 126 | 164 | 84 | 74 | 28 | 2 | 2 | 13 | 12 |
| Pharmacy | 231 | 114 | 147 | 76 | 70 | 24 | 2 | 2 | 12 | 12 |
| Surgery | 22 | 12 | 17 | 8 | 4 | 4 | - | - | 1 | - |
| Social sciences | 544 | 254 | 351 | 132 | 73 | 42 | 14 | 8 | 106 | 72 |
| Demography and social geography | 233 | 116 | 142 | 53 | 25 | 16 | - | - | 66 | 47 |
| Economics | 88 | 53 | 42 | 24 | 19 | 11 | 6 | 4 | 21 | 14 |
| Political sciences | 154 | 63 | 119 | 41 | 16 | 10 | 8 | 4 | 11 | 8 |
| Psychology | 69 | 22 | 48 | 14 | 13 | 5 | - | - | 8 | 3 |
| Humanities | 519 | 287 | 199 | 117 | 230 | 132 | - | - | 90 | 38 |
| Philosophy and theology | 283 | 180 | 185 | 109 | 98 | 71 | - | - | - | - |
| Foreign languages and mother tongue | 236 | 107 | 14 | 8 | 132 | 61 | - | - | 90 | 38 |
| SRBIJA – SOUTH | 2434 | 1140 | 1440 | 608 | 539 | 280 | 16 | 11 | 439 | 241 |
| <i>Business sector</i> | 33 | 7 | 5 | 2 | 5 | 2 | 1 | - | 22 | 3 |
| Engineering and technology | 29 | 3 | 4 | 1 | 3 | - | 1 | - | 21 | 2 |
| Building and civil engineering, and water engineering/technology | 6 | 1 | - | - | - | - | - | - | 6 | 1 |
| Metallurgy | 20 | 2 | 4 | 1 | 3 | - | - | - | 13 | 1 |
| Food processing | 3 | - | - | - | - | - | 1 | - | 2 | - |
| Agricultural sciences | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Plant production (crop, vegetable, fruit growing and viticulture) | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Social sciences | 3 | 3 | 1 | 1 | 2 | 2 | - | - | - | - |
| Demography and social geography | 3 | 3 | 1 | 1 | 2 | 2 | - | - | - | - |
| <i>Government sector</i> | 64 | 35 | 27 | 13 | 28 | 14 | - | - | 9 | 8 |
| Engineering and technology | 33 | 19 | 12 | 5 | 13 | 7 | - | - | 8 | 7 |
| Food technology | 33 | 19 | 12 | 5 | 13 | 7 | - | - | 8 | 7 |
| Medical sciences | 31 | 16 | 15 | 8 | 15 | 7 | - | - | 1 | 1 |
| Dentistry | 31 | 16 | 15 | 8 | 15 | 7 | - | - | 1 | 1 |
| <i>Tertiary education</i> | 2337 | 1098 | 1408 | 593 | 506 | 264 | 15 | 11 | 408 | 230 |
| Natural sciences, mathematics | 216 | 136 | 75 | 38 | 16 | 12 | - | - | 125 | 86 |
| Mathematics and statistics | 216 | 136 | 75 | 38 | 16 | 12 | - | - | 125 | 86 |
| Engineering and technology | 705 | 208 | 428 | 118 | 180 | 55 | 1 | 1 | 96 | 34 |
| Architecture, town planning and spatial planning | 80 | 30 | 42 | 12 | 28 | 18 | - | - | 10 | - |
| Building and civil engineering, and water engineering/technology | 220 | 67 | 140 | 42 | 63 | 19 | - | - | 17 | 6 |
| Electrical engineering – energy science | 235 | 45 | 133 | 25 | 60 | 10 | 1 | 1 | 41 | 9 |
| Electrical engineering - Electrical engineering | 48 | 14 | 38 | 12 | 7 | - | - | - | 3 | 2 |
| Food processing | 122 | 52 | 75 | 27 | 22 | 8 | - | - | 25 | 17 |
| Agricultural sciences | 607 | 325 | 388 | 190 | 114 | 73 | 14 | 10 | 91 | 52 |
| Land and water (fertilisation, melioration, etc.) | 607 | 325 | 388 | 190 | 114 | 73 | 14 | 10 | 91 | 52 |
| Medical sciences | 37 | 14 | 26 | 12 | 11 | 2 | - | - | - | - |
| Pharmacy | 37 | 14 | 26 | 12 | 11 | 2 | - | - | - | - |
| Social sciences | 469 | 234 | 323 | 144 | 85 | 51 | - | - | 61 | 39 |
| Demography and social geography | 183 | 92 | 137 | 62 | 24 | 14 | - | - | 22 | 16 |
| Economics | 112 | 73 | 64 | 35 | 30 | 24 | - | - | 18 | 14 |
| Political sciences | 94 | 36 | 66 | 23 | 12 | 6 | - | - | 16 | 7 |

3-1. Full-time and part-time researchers, by academic titles, sectors, scientific fields and sex, 2011 (physical persons) (continued)

| | Full-time and part-time researchers | | | | | | | | | |
|---|-------------------------------------|------------|--------------------|------------|--------------------|------------|-------------|------------|-------------------|------------|
| | Total | | Doctors of science | | Masters of science | | Specialists | | University degree | |
| | All | Women | All | Women | All | Women | All | Women | All | Women |
| Psychology | 80 | 33 | 56 | 24 | 19 | 7 | - | - | 5 | 2 |
| Humanities | 303 | 181 | 168 | 91 | 100 | 71 | - | - | 35 | 19 |
| Archeology | 151 | 89 | 89 | 49 | 55 | 40 | - | - | 7 | - |
| Phylosophy and theology | 152 | 92 | 79 | 42 | 45 | 31 | - | - | 28 | 19 |
| Region Sumadije i Zapadne Srbije | 1108 | 526 | 615 | 270 | 254 | 128 | 15 | 11 | 224 | 117 |
| <i>Business sector</i> | 31 | 6 | 5 | 2 | 5 | 2 | - | - | 21 | 2 |
| Engineering and technology | 28 | 3 | 4 | 1 | 3 | - | - | - | 21 | 2 |
| Building and civil engineering, and water engineering/technology | 6 | 1 | - | - | - | - | - | - | 6 | 1 |
| Metallurgy | 20 | 2 | 4 | 1 | 3 | - | - | - | 13 | 1 |
| Food processing | 2 | - | - | - | - | - | - | - | 2 | - |
| Social sciences | 3 | 3 | 1 | 1 | 2 | 2 | - | - | - | - |
| Demography and social geography | 3 | 3 | 1 | 1 | 2 | 2 | - | - | - | - |
| <i>Government sector</i> | 16 | 10 | 7 | 5 | 8 | 4 | - | - | 1 | 1 |
| Medical sciences | 16 | 10 | 7 | 5 | 8 | 4 | - | - | 1 | 1 |
| Stomatology | 16 | 10 | 7 | 5 | 8 | 4 | - | - | 1 | 1 |
| <i>Tertiary education</i> | 1061 | 510 | 603 | 263 | 241 | 122 | 15 | 11 | 202 | 114 |
| Natural sciences, mathematics | 168 | 106 | 75 | 38 | 16 | 12 | - | - | 77 | 56 |
| Mathematics and statistics | 168 | 106 | 75 | 38 | 16 | 12 | - | - | 77 | 56 |
| Engineering and technology | 255 | 70 | 144 | 39 | 82 | 21 | 1 | 1 | 28 | 9 |
| Building and civil engineering, and water engineering/technology | 75 | 26 | 45 | 15 | 28 | 9 | - | - | 2 | 2 |
| Electrical engineering – energy science | 143 | 30 | 73 | 15 | 43 | 7 | 1 | 1 | 26 | 7 |
| Food processing | 37 | 14 | 26 | 9 | 11 | 5 | - | - | - | - |
| Agricultural sciences | 239 | 123 | 136 | 65 | 28 | 16 | 14 | 10 | 61 | 32 |
| Land and water (fertilisation, melioration, etc.) | 239 | 123 | 136 | 65 | 28 | 16 | 14 | 10 | 61 | 32 |
| Medical sciences | 37 | 14 | 26 | 12 | 11 | 2 | - | - | - | - |
| Pharmacy | 37 | 14 | 26 | 12 | 11 | 2 | - | - | - | - |
| Social sciences | 211 | 108 | 133 | 60 | 49 | 31 | - | - | 29 | 17 |
| Demography and social geography | 77 | 36 | 50 | 23 | 17 | 9 | - | - | 10 | 4 |
| Economics | 83 | 55 | 43 | 23 | 26 | 21 | - | - | 14 | 11 |
| Political sciences | 33 | 11 | 24 | 8 | 5 | 1 | - | - | 4 | 2 |
| Psychology | 18 | 6 | 16 | 6 | 1 | - | - | - | 1 | - |
| Humanities | 151 | 89 | 89 | 49 | 55 | 40 | - | - | 7 | - |
| Archeology | 151 | 89 | 89 | 49 | 55 | 40 | - | - | 7 | - |
| Region Juzne i Istocne Srbije | 1326 | 614 | 825 | 338 | 285 | 152 | 1 | - | 215 | 124 |
| <i>Business sector</i> | 2 | 1 | - | - | - | - | 1 | - | 1 | 1 |
| Engineering and technology | 1 | - | - | - | - | - | 1 | - | - | - |
| Food processing | 1 | - | - | - | - | - | 1 | - | - | - |
| Agricultural sciences | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Plant production (crop, vegetable, fruit growing and viticulture) | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| <i>Government sector</i> | 48 | 25 | 20 | 8 | 20 | 10 | - | - | 8 | 7 |
| Engineering and technology | 33 | 19 | 12 | 5 | 13 | 7 | - | - | 8 | 7 |
| Food processing | 33 | 19 | 12 | 5 | 13 | 7 | - | - | 8 | 7 |
| Medical sciences | 15 | 6 | 8 | 3 | 7 | 3 | - | - | - | - |
| Dentistry | 15 | 6 | 8 | 3 | 7 | 3 | - | - | - | - |
| <i>Tertiary education</i> | 1276 | 588 | 805 | 330 | 265 | 142 | - | - | 206 | 116 |
| Natural sciences, mathematics | 48 | 30 | - | - | - | - | - | - | 48 | 30 |
| Mathematics and statistics | 48 | 30 | - | - | - | - | - | - | 48 | 30 |
| Engineering and technology | 450 | 138 | 284 | 79 | 98 | 34 | - | - | 68 | 25 |
| Architecture, town planning, spatial planning | 80 | 30 | 42 | 12 | 28 | 18 | - | - | 10 | - |
| Building and civil engineering, and water engineering/technology | 145 | 41 | 95 | 27 | 35 | 10 | - | - | 15 | 4 |
| Electrical engineering – energy science | 92 | 15 | 60 | 10 | 17 | 3 | - | - | 15 | 2 |
| Electrical engineering - Electrical engineering | 48 | 14 | 38 | 12 | 7 | - | - | - | 3 | 2 |
| Food processing | 85 | 38 | 49 | 18 | 11 | 3 | - | - | 25 | 17 |
| Agricultural sciences | 368 | 202 | 252 | 125 | 86 | 57 | - | - | 30 | 20 |
| Land and water (fertilisation, melioration, etc.) | 368 | 202 | 252 | 125 | 86 | 57 | - | - | 30 | 20 |
| Social sciences | 258 | 126 | 190 | 84 | 36 | 20 | - | - | 32 | 22 |
| Demography and social geography | 106 | 56 | 87 | 39 | 7 | 5 | - | - | 12 | 12 |
| Economics | 29 | 18 | 21 | 12 | 4 | 3 | - | - | 4 | 3 |
| Political sciences | 61 | 25 | 42 | 15 | 7 | 5 | - | - | 12 | 5 |
| Psychology | 62 | 27 | 40 | 18 | 18 | 7 | - | - | 4 | 2 |
| Humanities | 152 | 92 | 79 | 42 | 45 | 31 | - | - | 28 | 19 |
| Phylosophy and theology | 152 | 92 | 79 | 42 | 45 | 31 | - | - | 28 | 19 |
| Region Kosova i Metohija | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

3-2. Full-time and part-time researches, by academic titles, sectors, scientific fields and sex, expressing in full-time equivalent (FTE), 2011

| | Full-time and part-time researchers | | | | | | | | | | |
|---|-------------------------------------|--------------|--------------------|---------------|--------------------|---------------|-------------|-------------|-------------------|------------|---------------|
| | Total | | Doctors of science | | Masters of science | | Specialists | | University degree | | |
| | All | Women | All | Women | All | Women | All | Women | All | Women | |
| REPUBLIC OF SERBIA | 11719,9 | 577,9 | 6620,8 | 2957,5 | 2625,2 | 1444,8 | 48,3 | 26,5 | 242,5 | 5,6 | 1350,8 |
| <i>Business sector</i> | 149,0 | 49,0 | 14,2 | 4,6 | 15,2 | 5,2 | 3,0 | 2,0 | 116,6 | 37,2 | |
| Natural sciences, mathematics | 6,9 | 3,2 | 0,9 | - | 0,2 | 0,2 | - | - | 5,8 | 3,0 | |
| Computing science – software design | 0,5 | - | - | - | - | - | - | - | 0,5 | - | |
| Earth science (geology, geophysics, geography) | 0,8 | 0,2 | 0,6 | - | 0,2 | 0,2 | - | - | - | - | |
| Chemistry | 5,6 | 3,0 | 0,3 | - | - | - | - | - | 5,3 | 3,0 | |
| <i>Engineering and technology</i> | 102,4 | 20,9 | 8,7 | 1,7 | 12,0 | 3,0 | 1,0 | - | 80,7 | 16,2 | |
| Architecture, town planning, spatial planning | 3,0 | 1,0 | - | - | - | - | - | - | 3,0 | 1,0 | |
| Building and civil engineering, and water engineering/technology | 8,5 | 1,0 | - | - | - | - | - | - | 8,5 | 1,0 | |
| Mechanics | 12,0 | - | 2,0 | - | - | - | - | - | 10,0 | - | |
| Metallurgy | 20,0 | 2,0 | 4,0 | 1,0 | 3,0 | - | - | - | 13,0 | 1,0 | |
| Transport | 2,0 | 2,0 | - | - | - | - | - | - | 2,0 | 2,0 | |
| Food processing | 56,9 | 14,9 | 2,7 | 0,7 | 9,0 | 3,0 | 1,0 | - | 44,2 | 11,2 | |
| Agricultural sciences | 33,7 | 20,9 | 1,6 | 0,9 | 1,0 | - | 2,0 | 2,0 | 29,1 | 18,0 | |
| Plant protection | 4,7 | 0,9 | 1,6 | 0,9 | - | - | - | - | 3,1 | - | |
| Plant production (crop, vegetable, fruit growing and viticulture) | 1,0 | 1,0 | - | - | - | - | - | - | 1,0 | 1,0 | |
| Animal farming | 5,0 | 4,0 | - | - | - | - | 1,0 | 1,0 | 4,0 | 3,0 | |
| Fishery and game | 23,0 | 15,0 | - | - | 1,0 | - | 1,0 | 1,0 | 21,0 | 14,0 | |
| Agricultural sciences | 1,0 | - | - | - | - | - | - | - | 1,0 | - | |
| Pharmacy | 1,0 | - | - | - | - | - | - | - | 1,0 | - | |
| Social sciences | 5,0 | 4,0 | 3,0 | 2,0 | 2,0 | 2,0 | - | - | - | - | |
| Demography and social geography | 3,0 | 3,0 | 1,0 | 1,0 | 2,0 | 2,0 | - | - | - | - | |
| Economics | 2,0 | 1,0 | 2,0 | 1,0 | - | - | - | - | - | - | |
| <i>Government sector</i> | 2868,6 | 1610,4 | 1361,5 | 714,9 | 840,7 | 512,7 | 17,0 | 5,0 | 649,5 | 377,8 | |
| Natural sciences, mathematics | 1347,9 | 785,7 | 678,8 | 364,1 | 356,0 | 225,0 | - | - | 313,1 | 196,6 | |
| Mathematics and statistics | 63,1 | 17,6 | 27,8 | 4,6 | 15,0 | 6,0 | - | - | 20,3 | 7,0 | |
| Astronomy | 212,0 | 74,0 | 138,0 | 41,0 | 15,0 | 9,0 | - | - | 59,0 | 24,0 | |
| Atmospheric and hydrologic sciences | 336,8 | 286,1 | 181,0 | 151,5 | 38,0 | 36,0 | - | - | 117,8 | 98,6 | |
| Chemistry | 736,0 | 408,0 | 332,0 | 167,0 | 288,0 | 174,0 | - | - | 116,0 | 67,0 | |
| Engineering and technology | 377,6 | 161,9 | 113,7 | 45,5 | 101,2 | 48,6 | 6,0 | 1,0 | 156,7 | 66,8 | |
| Architecture, town planning, spatial planning | 20,0 | 14,0 | 8,0 | 4,0 | 8,0 | 6,0 | - | - | 4,0 | 4,0 | |
| Building and civil engineering, and water engineering/technology | 173,9 | 61,2 | 33,5 | 6,0 | 43,0 | 20,6 | - | - | 97,4 | 34,6 | |
| Electrical engineering – energy science | 14,5 | 5,5 | 6,5 | 2,5 | 1,0 | - | - | - | 7,0 | 3,0 | |
| Mechanics | 27,0 | 11,0 | 12,0 | 4,0 | 1,0 | - | 6,0 | 1,0 | 8,0 | 6,0 | |
| Transport | 21,0 | 5,0 | 9,0 | 2,0 | 7,0 | 1,0 | - | - | 5,0 | 2,0 | |
| Wood processing | 31,0 | 20,0 | 9,0 | 5,0 | 12,0 | 9,0 | - | - | 10,0 | 6,0 | |
| Food processing | 90,2 | 45,2 | 35,7 | 22,0 | 29,2 | 12,0 | - | - | 25,3 | 11,2 | |
| Agricultural sciences | 153,0 | 126,1 | 77,5 | 61,0 | 41,5 | 38,1 | - | - | 34,0 | 27,0 | |
| Animal farming | 64,0 | 58,0 | 31,0 | 26,0 | 19,0 | 18,0 | - | - | 14,0 | 14,0 | |
| Fishery and game | 89,0 | 68,1 | 46,5 | 35,0 | 22,5 | 20,1 | - | - | 20,0 | 13,0 | |
| Medical sciences | 399,1 | 223,0 | 219,1 | 122,0 | 102,0 | 50,0 | 4,0 | 3,0 | 74,0 | 48,0 | |
| Pharmacy | 48,0 | 25,0 | 22,0 | 12,0 | 20,0 | 8,0 | - | - | 6,0 | 5,0 | |
| Basic medical sciences, except pharmacy | 25,0 | 14,0 | 15,0 | 8,0 | 9,0 | 5,0 | 1,0 | 1,0 | - | - | |
| Internal medicine | 24,0 | 14,0 | 16,0 | 9,0 | 4,0 | 3,0 | - | - | 4,0 | 2,0 | |
| Surgery | 217,4 | 117,0 | 128,4 | 70,0 | 45,0 | 22,0 | - | - | 44,0 | 25,0 | |
| Dentistry | 84,7 | 53,0 | 37,7 | 23,0 | 24,0 | 12,0 | 3,0 | 2,0 | 20,0 | 16,0 | |
| Social sciences | 270,9 | 138,5 | 126,2 | 53,1 | 111,0 | 67,0 | 1,0 | - | 32,7 | 18,4 | |
| Demography and social geography | 56,6 | 26,2 | 22,2 | 7,8 | 29,0 | 17,0 | - | - | 5,4 | 1,4 | |
| Economics | 24,0 | 20,0 | 12,0 | 11,0 | 11,0 | 8,0 | - | - | 1,0 | 1,0 | |
| Political sciences | 20,0 | 11,0 | 10,0 | 4,0 | 7,0 | 5,0 | - | - | 3,0 | 2,0 | |
| Organizational sciences | 81,1 | 24,3 | 40,8 | 10,3 | 28,0 | 10,0 | 1,0 | - | 11,3 | 4,0 | |
| Management | 28,2 | 19,0 | 4,2 | - | 21,0 | 16,0 | - | - | 3,0 | 3,0 | |
| Psychology | 61,0 | 38,0 | 37,0 | 20,0 | 15,0 | 11,0 | - | - | 9,0 | 7,0 | |
| Humanities | 320,2 | 175,2 | 146,2 | 69,2 | 129,0 | 84,0 | 6,0 | 1,0 | 39,0 | 21,0 | |
| History | 172,0 | 74,0 | 89,0 | 34,0 | 56,0 | 31,0 | 6,0 | 1,0 | 21,0 | 8,0 | |
| Archeology | 90,5 | 63,5 | 26,5 | 17,5 | 50,0 | 37,0 | - | - | 14,0 | 9,0 | |
| Philosophy and theology | 16,7 | 5,7 | 11,7 | 0,7 | 2,0 | 2,0 | - | - | 3,0 | 3,0 | |
| Foreign languages and mother tongue | 13,0 | 10,0 | 6,0 | 6,0 | 7,0 | 4,0 | - | - | - | - | |
| Literature | 28,0 | 22,0 | 13,0 | 11,0 | 14,0 | 10,0 | - | - | 1,0 | 1,0 | |
| <i>Tertiary education</i> | 8699,7 | 4117,7 | 5244,4 | 2237,3 | 1768,2 | 925,8 | 28,0 | 19,3 | 1659,1 | 935,3 | |
| Natural sciences, mathematics | 1291,7 | 635,5 | 731,7 | 292,0 | 139,8 | 81,2 | 5,0 | 3,0 | 415,3 | 259,3 | |
| Mathematics and statistics | 730,5 | 385,6 | 374,3 | 155,3 | 64,6 | 41,0 | - | - | 291,7 | 189,3 | |
| Computing science – software design | 36,3 | 9,5 | 20,3 | 4,5 | 8,0 | 2,0 | - | - | 8,0 | 3,0 | |
| Astronomy | 87,0 | 23,0 | 51,0 | 13,0 | 9,0 | 3,0 | - | - | 27,0 | 7,0 | |
| Physics and nuclear physics | 112,4 | 62,4 | 68,6 | 31,2 | 23,2 | 16,2 | - | - | 20,6 | 15,0 | |
| Earth science (geology, geophysics, geography) | 182,0 | 69,0 | 129,0 | 37,0 | 27,0 | 15,0 | 5,0 | 3,0 | 21,0 | 14,0 | |

3-2. Full-time and part-time researches, by academic titles, sectors, scientific fields and sex, expressing in full-time equivalent (FTE), 2011 (continued)

| | Full-time and part-time researchers | | | | | | | | | |
|--|-------------------------------------|---------------|--------------------|---------------|--------------------|---------------|-------------|-------------|-------------------|---------------|
| | Total | | Doctors of science | | Masters of science | | Specialists | | University degree | |
| | All | Women | All | Women | All | Women | All | Women | All | Women |
| Atmospheric and hydrologic sciences | 143,5 | 86,0 | 88,5 | 51,0 | 8,0 | 4,0 | - | - | 47,0 | 31,0 |
| Engineering and technology | 2010,0 | 684,3 | 1100,9 | 336,7 | 473,3 | 165,7 | 1,0 | 1,0 | 434,8 | 180,9 |
| Architecture, town planning, spatial planning | 273,1 | 107,3 | 154,1 | 53,3 | 62,0 | 32,4 | - | - | 57,0 | 21,6 |
| Building and civil engineering, and water engineering/technology | 386,5 | 102,8 | 224,2 | 56,1 | 121,6 | 34,0 | - | - | 40,7 | 12,7 |
| Electrical engineering – energy science | 413,7 | 77,6 | 265,5 | 42,9 | 112,7 | 26,5 | 1,0 | 1,0 | 34,5 | 7,2 |
| Electrical engineering – electrical engineering | 46,2 | 13,4 | 37,1 | 12,0 | 7,0 | - | - | - | 2,1 | 1,4 |
| Mechanics | 108,0 | 67,0 | 59,5 | 33,0 | 35,5 | 24,0 | - | - | 13,0 | 10,0 |
| Transport | 4,7 | 3,2 | 3,5 | 2,7 | 0,7 | - | - | - | 0,5 | 0,5 |
| Food processing | 777,8 | 313,0 | 357,0 | 136,7 | 133,8 | 48,8 | - | - | 287,0 | 127,5 |
| Agricultural sciences | 1515,0 | 854,8 | 998,3 | 518,8 | 256,2 | 165,7 | 4,0 | 2,8 | 256,5 | 167,5 |
| Land and water (fertilisation, melioration, etc.) | 708,9 | 402,8 | 445,9 | 232,0 | 93,5 | 61,5 | 4,0 | 2,8 | 165,5 | 106,5 |
| Plant protection | 533,1 | 291,8 | 370,4 | 188,1 | 92,7 | 54,7 | - | - | 70,0 | 49,0 |
| Fishery and game | 273,0 | 160,2 | 182,0 | 98,7 | 70,0 | 49,5 | - | - | 21,0 | 12,0 |
| Medical sciences | 756,3 | 366,0 | 492,2 | 231,3 | 173,1 | 79,8 | 3,0 | 3,0 | 88,0 | 52,0 |
| Pharmacy | 666,1 | 314,3 | 432,1 | 198,3 | 156,0 | 71,0 | 3,0 | 3,0 | 75,0 | 42,0 |
| Internal medicine | 69,7 | 40,5 | 44,6 | 25,7 | 13,1 | 4,8 | - | - | 12,0 | 10,0 |
| Surgery | 20,5 | 11,3 | 15,5 | 7,3 | 4,0 | 4,0 | - | - | 1,0 | - |
| Social sciences | 1949,5 | 939,3 | 1334,6 | 551,5 | 321,7 | 198,4 | 13,0 | 9,5 | 280,2 | 179,9 |
| Demography and social geography | 762,2 | 375,3 | 549,2 | 227,4 | 115,9 | 77,7 | - | - | 97,1 | 70,2 |
| Economics | 334,2 | 215,8 | 203,5 | 111,1 | 59,2 | 48,2 | 5,0 | 3,5 | 66,5 | 53,0 |
| Political sciences | 357,3 | 144,9 | 258,5 | 88,8 | 55,6 | 32,6 | 4,0 | 2,0 | 39,2 | 21,5 |
| Organizational sciences | 94,0 | 36,0 | 64,0 | 23,0 | 22,0 | 8,0 | - | - | 8,0 | 5,0 |
| Sociology | 63,0 | 40,0 | 44,0 | 29,0 | 11,0 | 3,0 | 3,0 | 3,0 | 5,0 | 5,0 |
| Psychology | 338,8 | 127,3 | 215,4 | 72,2 | 58,0 | 28,9 | 1,0 | 1,0 | 64,4 | 25,2 |
| Humanities | 1177,3 | 638,0 | 586,8 | 307,2 | 404,2 | 235,1 | 2,0 | - | 184,3 | 95,7 |
| Archeology | 212,9 | 131,2 | 115,8 | 65,7 | 67,7 | 47,3 | - | - | 29,4 | 18,2 |
| Philosophy and theology | 707,0 | 380,0 | 433,0 | 217,0 | 205,0 | 126,0 | 2,0 | - | 67,0 | 37,0 |
| Foreign languages and theology | 257,4 | 126,8 | 38,0 | 24,5 | 131,5 | 61,8 | - | - | 87,9 | 40,5 |
| <i>Non-profit sector</i> | 2,6 | 2,5 | 0,7 | 0,7 | 1,1 | 1,1 | 0,3 | 0,2 | 0,5 | 0,5 |
| Social sciences | 1,0 | 1,0 | - | - | 1,0 | 1,0 | - | - | - | - |
| Demography and social geography | 1,0 | 1,0 | - | - | 1,0 | 1,0 | - | - | - | - |
| Humanities | 1,6 | 1,5 | 0,7 | 0,7 | 0,1 | 0,1 | 0,3 | 0,2 | 0,5 | 0,5 |
| Literature | 1,6 | 1,5 | 0,7 | 0,7 | 0,1 | 0,1 | 0,3 | 0,2 | 0,5 | 0,5 |
| SRBIJA – NORTH | 9588,4 | 4768,0 | 5368,1 | 2423,4 | 2142,1 | 1188,6 | 42,3 | 22,7 | 2035,9 | 1133,4 |
| <i>Business sector</i> | 116,5 | 42,0 | 9,2 | 2,6 | 10,2 | 3,2 | 2,0 | 2,0 | 95,1 | 34,2 |
| Natural sciences, mathematics | 6,9 | 3,2 | 0,9 | - | 0,2 | 0,2 | - | - | 5,8 | 3,0 |
| Computing science – software design | 0,5 | - | - | - | - | - | - | - | 0,5 | - |
| Earth science (geology, geophysics, geography) | 0,8 | 0,2 | 0,6 | - | 0,2 | 0,2 | - | - | - | - |
| Chemistry | 5,6 | 3,0 | 0,3 | - | - | - | - | - | 5,3 | 3,0 |
| Engineering and technology | 73,9 | 17,9 | 4,7 | 0,7 | 9,0 | 3,0 | - | - | 60,2 | 14,2 |
| Architecture, town planning, spatial planning | 3,0 | 1,0 | - | - | - | - | - | - | 3,0 | 1,0 |
| Building and civil engineering, and water engineering/technology | 3,0 | - | - | - | - | - | - | - | 3,0 | - |
| Mechanics | 12,0 | - | 2,0 | - | - | - | - | - | 10,0 | - |
| Transport | 2,0 | 2,0 | - | - | - | - | - | - | 2,0 | 2,0 |
| Food processing | 53,9 | 14,9 | 2,7 | 0,7 | 9,0 | 3,0 | - | - | 42,2 | 11,2 |
| Agricultural sciences | 32,7 | 19,9 | 1,6 | 0,9 | 1,0 | - | 2,0 | 2,0 | 28,1 | 17,0 |
| Plant protection | 4,7 | 0,9 | 1,6 | 0,9 | - | - | - | - | 3,1 | - |
| Animal farming | 5,0 | 4,0 | - | - | - | - | 1,0 | 1,0 | 4,0 | 3,0 |
| Fishery and game | 23,0 | 15,0 | - | - | 1,0 | - | 1,0 | 1,0 | 21,0 | 14,0 |
| Medical sciences | 1,0 | - | - | - | - | - | - | - | 1,0 | - |
| Pharmacy | 1,0 | - | - | - | - | - | - | - | 1,0 | - |
| Social sciences | 2,0 | 1,0 | 2,0 | 1,0 | - | - | - | - | - | - |
| Economics | 2,0 | 1,0 | 2,0 | 1,0 | - | - | - | - | - | - |
| <i>Government sector</i> | 2804,6 | 1575,4 | 1334,5 | 701,9 | 812,7 | 498,7 | 17,0 | 5,0 | 640,5 | 369,8 |
| Natural sciences, mathematics | 1347,9 | 785,7 | 678,8 | 364,1 | 356,0 | 225,0 | - | - | 313,1 | 196,6 |
| Mathematics and statistics | 63,1 | 17,6 | 27,8 | 4,6 | 15,0 | 6,0 | - | - | 20,3 | 7,0 |
| Astronomy | 212,0 | 74,0 | 138,0 | 41,0 | 15,0 | 9,0 | - | - | 59,0 | 24,0 |
| Atmospheric and hydrologic sciences | 336,8 | 286,1 | 181,0 | 151,5 | 38,0 | 36,0 | - | - | 117,8 | 98,6 |
| Chemistry | 736,0 | 408,0 | 332,0 | 167,0 | 288,0 | 174,0 | - | - | 116,0 | 67,0 |
| Engineering and technology | 344,6 | 142,9 | 101,7 | 40,5 | 88,2 | 41,6 | 6,0 | 1,0 | 148,7 | 59,8 |
| Architecture, town planning, spatial planning | 20,0 | 14,0 | 8,0 | 4,0 | 8,0 | 6,0 | - | - | 4,0 | 4,0 |
| Building and civil engineering, and water engineering/technology | 173,9 | 61,2 | 33,5 | 6,0 | 43,0 | 20,6 | - | - | 97,4 | 34,6 |
| Electrical engineering – energy science | 14,5 | 5,5 | 6,5 | 2,5 | 1,0 | - | - | - | 7,0 | 3,0 |
| Mechanics | 27,0 | 11,0 | 12,0 | 4,0 | 1,0 | - | 6,0 | 1,0 | 8,0 | 6,0 |
| Transport | 21,0 | 5,0 | 9,0 | 2,0 | 7,0 | 1,0 | - | - | 5,0 | 2,0 |
| Wood processing | 31,0 | 20,0 | 9,0 | 5,0 | 12,0 | 9,0 | - | - | 10,0 | 6,0 |
| Food processing | 57,2 | 26,2 | 23,7 | 17,0 | 16,2 | 5,0 | - | - | 17,3 | 4,2 |
| Agricultural sciences | 153,0 | 126,1 | 77,5 | 61,0 | 41,5 | 38,1 | - | - | 34,0 | 27,0 |
| Animal farming | 64,0 | 58,0 | 31,0 | 26,0 | 19,0 | 18,0 | - | - | 14,0 | 14,0 |
| Fishery and game | 89,0 | 68,1 | 46,5 | 35,0 | 22,5 | 20,1 | - | - | 20,0 | 13,0 |
| Medical sciences | 368,1 | 207,0 | 204,1 | 114,0 | 87,0 | 43,0 | 4,0 | 3,0 | 73,0 | 47,0 |
| Pharmacy | 48,0 | 25,0 | 22,0 | 12,0 | 20,0 | 8,0 | - | - | 6,0 | 5,0 |
| Basic medical sciences, except pharmacy | 25,0 | 14,0 | 15,0 | 8,0 | 9,0 | 5,0 | 1,0 | 1,0 | - | - |

3-2. Full-time and part-time researches, by academic titles, sectors, scientific fields and sex, expressing in full-time equivalent (FTE), 2011 (continued)

| | Full-time and part-time researchers | | | | | | | | | |
|--|-------------------------------------|---------------|--------------------|---------------|--------------------|--------------|-------------|-------------|-------------------|--------------|
| | Total | | Doctors of science | | Masters of science | | Specialists | | University degree | |
| | All | Women | All | Women | All | Women | All | Women | All | Women |
| Internal medicine | 24,0 | 14,0 | 16,0 | 9,0 | 4,0 | 3,0 | - | - | 4,0 | 2,0 |
| Surgery | 217,4 | 117,0 | 128,4 | 70,0 | 45,0 | 22,0 | - | - | 44,0 | 25,0 |
| Dentistry | 53,7 | 37,0 | 22,7 | 15,0 | 9,0 | 5,0 | 3,0 | 2,0 | 19,0 | 15,0 |
| Social sciences | 270,9 | 138,5 | 126,2 | 53,1 | 111,0 | 67,0 | 1,0 | - | 32,7 | 18,4 |
| Demography and social geography | 56,6 | 26,2 | 22,2 | 7,8 | 29,0 | 17,0 | - | - | 5,4 | 1,4 |
| Economics | 24,0 | 20,0 | 12,0 | 11,0 | 11,0 | 8,0 | - | - | 1,0 | 1,0 |
| Political sciences | 20,0 | 11,0 | 10,0 | 4,0 | 7,0 | 5,0 | - | - | 3,0 | 2,0 |
| Organizational sciences | 81,1 | 24,3 | 40,8 | 10,3 | 28,0 | 10,0 | 1,0 | - | 11,3 | 4,0 |
| Management | 28,2 | 19,0 | 4,2 | - | 21,0 | 16,0 | - | - | 3,0 | 3,0 |
| Psychology | 61,0 | 38,0 | 37,0 | 20,0 | 15,0 | 11,0 | - | - | 9,0 | 7,0 |
| Humanities | 320,2 | 175,2 | 146,2 | 69,2 | 129,0 | 84,0 | 6,0 | 1,0 | 39,0 | 21,0 |
| History | 172,0 | 74,0 | 89,0 | 34,0 | 56,0 | 31,0 | 6,0 | 1,0 | 21,0 | 8,0 |
| Archeology | 90,5 | 63,5 | 26,5 | 17,5 | 50,0 | 37,0 | - | - | 14,0 | 9,0 |
| Philosophy and theology | 16,7 | 5,7 | 11,7 | 0,7 | 2,0 | 2,0 | - | - | 3,0 | 3,0 |
| Foreign languages and theology | 13,0 | 10,0 | 6,0 | 6,0 | 7,0 | 4,0 | - | - | - | - |
| Literature | 28,0 | 22,0 | 13,0 | 11,0 | 14,0 | 10,0 | - | - | 1,0 | 1,0 |
| <i>Tertiary education</i> | 6664,7 | 3148,2 | 4023,7 | 1718,2 | 1318,1 | 685,6 | 23,0 | 15,5 | 1299,9 | 728,9 |
| Natural sciences, mathematics | 1079,9 | 501,2 | 657,7 | 254,5 | 125,2 | 69,2 | 5,0 | 3,0 | 292,1 | 174,5 |
| Mathematics and statistics | 518,7 | 251,3 | 300,3 | 117,8 | 50,0 | 29,0 | - | - | 168,5 | 104,5 |
| Computing science – software design | 36,3 | 9,5 | 20,3 | 4,5 | 8,0 | 2,0 | - | - | 8,0 | 3,0 |
| Astronomy | 87,0 | 23,0 | 51,0 | 13,0 | 9,0 | 3,0 | - | - | 27,0 | 7,0 |
| Physics and nuclear physics | 112,4 | 62,4 | 68,6 | 31,2 | 23,2 | 16,2 | - | - | 20,6 | 15,0 |
| Earth science (geology, geophysics, geography) | 182,0 | 69,0 | 129,0 | 37,0 | 27,0 | 15,0 | 5,0 | 3,0 | 21,0 | 14,0 |
| Atmospheric and hydrologic sciences | 143,5 | 86,0 | 88,5 | 51,0 | 8,0 | 4,0 | - | - | 47,0 | 31,0 |
| Engineering and technology | 1401,0 | 502,2 | 737,8 | 234,0 | 315,2 | 117,9 | - | - | 348,0 | 150,3 |
| Architecture, town planning, spatial planning | 193,1 | 77,3 | 112,1 | 41,3 | 34,0 | 14,4 | - | - | 47,0 | 21,6 |
| Building and civil engineering, and water engineering/technology | 170,1 | 35,8 | 87,6 | 14,1 | 59,0 | 15,0 | - | - | 23,5 | 6,7 |
| Electrical engineering – energy science | 245,0 | 48,0 | 176,0 | 27,0 | 67,0 | 20,0 | - | - | 2,0 | 1,0 |
| Mechanics | 108,0 | 67,0 | 59,5 | 33,0 | 35,5 | 24,0 | - | - | 13,0 | 10,0 |
| Transport | 4,7 | 3,2 | 3,5 | 2,7 | 0,7 | - | - | - | 0,5 | 0,5 |
| Food processing | 680,1 | 270,9 | 299,1 | 115,9 | 119,0 | 44,5 | - | - | 262,0 | 110,5 |
| Agricultural sciences | 1068,4 | 611,6 | 704,7 | 373,9 | 162,7 | 104,2 | - | - | 201,0 | 133,5 |
| Land and water (fertilisation, melioration, etc.) | 262,3 | 159,6 | 152,3 | 87,1 | - | - | - | - | 110,0 | 72,5 |
| Plant protection | 533,1 | 291,8 | 370,4 | 188,1 | 92,7 | 54,7 | - | - | 70,0 | 49,0 |
| Fishery and game | 273,0 | 160,2 | 182,0 | 98,7 | 70,0 | 49,5 | - | - | 21,0 | 12,0 |
| Medical sciences | 719,3 | 352,0 | 466,2 | 219,3 | 162,1 | 77,8 | 3,0 | 3,0 | 88,0 | 52,0 |
| Pharmacy | 629,1 | 300,3 | 406,1 | 186,3 | 145,0 | 69,0 | 3,0 | 3,0 | 75,0 | 42,0 |
| Internal medicine | 69,7 | 40,5 | 44,6 | 25,7 | 13,1 | 4,8 | - | - | 12,0 | 10,0 |
| Surgery | 20,5 | 11,3 | 15,5 | 7,3 | 4,0 | 4,0 | - | - | 1,0 | - |
| Social sciences | 1515,5 | 721,0 | 1035,3 | 418,7 | 245,7 | 150,9 | 13,0 | 9,5 | 221,5 | 141,9 |
| Demography and social geography | 580,2 | 283,3 | 413,2 | 165,4 | 91,9 | 63,7 | - | - | 75,1 | 54,2 |
| Economics | 222,4 | 143,0 | 139,7 | 76,3 | 29,2 | 24,2 | 5,0 | 3,5 | 48,5 | 39,0 |
| Political sciences | 263,6 | 108,9 | 192,5 | 65,8 | 43,6 | 26,6 | 4,0 | 2,0 | 23,5 | 14,5 |
| Organizational sciences | 94,0 | 36,0 | 64,0 | 23,0 | 22,0 | 8,0 | - | - | 8,0 | 5,0 |
| Sociology | 63,0 | 40,0 | 44,0 | 29,0 | 11,0 | 3,0 | 3,0 | 3,0 | 5,0 | 5,0 |
| Psychology | 292,3 | 109,8 | 181,9 | 59,2 | 48,0 | 25,4 | 1,0 | 1,0 | 61,4 | 24,2 |
| Humanities | 880,6 | 460,2 | 422,0 | 217,9 | 307,3 | 165,6 | 2,0 | - | 149,3 | 76,7 |
| Archeology | 68,2 | 45,4 | 30,0 | 18,4 | 15,8 | 8,8 | - | - | 22,4 | 18,2 |
| Philosophy and theology | 555,0 | 288,0 | 354,0 | 175,0 | 160,0 | 95,0 | 2,0 | - | 39,0 | 18,0 |
| Foreign languages and mother tongue | 257,4 | 126,8 | 38,0 | 24,5 | 131,5 | 61,8 | - | - | 87,9 | 40,5 |
| <i>Non-profit sector</i> | 2,6 | 2,5 | 0,7 | 0,7 | 1,1 | 1,1 | 0,3 | 0,2 | 0,5 | 0,5 |
| Social sciences | 1,0 | 1,0 | - | - | 1,0 | 1,0 | - | - | - | - |
| Demography and social geography | 1,0 | 1,0 | - | - | 1,0 | 1,0 | - | - | - | - |
| Humanities | 1,6 | 1,5 | 0,7 | 0,7 | 0,1 | 0,1 | 0,3 | 0,2 | 0,5 | 0,5 |
| Literature | 1,6 | 1,5 | 0,7 | 0,7 | 0,1 | 0,1 | 0,3 | 0,2 | 0,5 | 0,5 |
| Beogradski region | 7001,6 | 3481,5 | 3999,7 | 1795,5 | 1634,6 | 930,9 | 28,3 | 13,2 | 1339,1 | 741,9 |
| <i>Business sector</i> | 109,7 | 40,8 | 8,6 | 2,6 | 10,0 | 3,0 | 2,0 | 2,0 | 89,1 | 33,2 |
| Natural sciences, mathematics | 6,1 | 3,0 | 0,3 | - | - | - | - | - | 5,8 | 3,0 |
| Computing science – design software | 0,5 | - | - | - | - | - | - | - | 0,5 | - |
| Chemistry | 5,6 | 3,0 | 0,3 | - | - | - | - | - | 5,3 | 3,0 |
| Engineering and technology | 68,9 | 16,9 | 4,7 | 0,7 | 9,0 | 3,0 | - | - | 55,2 | 13,2 |
| Building and civil engineering, and water engineering/technology | 1,0 | - | - | - | - | - | - | - | 1,0 | - |
| Mechanics | 12,0 | - | 2,0 | - | - | - | - | - | 10,0 | - |
| Transport | 2,0 | 2,0 | - | - | - | - | - | - | 2,0 | 2,0 |
| Food processing | 53,9 | 14,9 | 2,7 | 0,7 | 9,0 | 3,0 | - | - | 42,2 | 11,2 |
| Agricultural sciences | 32,7 | 19,9 | 1,6 | 0,9 | 1,0 | - | 2,0 | 2,0 | 28,1 | 17,0 |
| Plant protection | 4,7 | 0,9 | 1,6 | 0,9 | - | - | - | - | 3,1 | - |
| Animal farming | 5,0 | 4,0 | - | - | - | - | 1,0 | 1,0 | 4,0 | 3,0 |
| Fishery and game | 23,0 | 15,0 | - | - | 1,0 | - | 1,0 | 1,0 | 21,0 | 14,0 |
| Social sciences | 2,0 | 1,0 | 2,0 | 1,0 | - | - | - | - | - | - |
| Economics | 2,0 | 1,0 | 2,0 | 1,0 | - | - | - | - | - | - |
| <i>Government sector</i> | 2647,6 | 1495,4 | 1255,4 | 662,9 | 785,7 | 488,7 | 14,0 | 3,0 | 592,5 | 340,8 |
| Natural sciences, mathematics | 1347,9 | 785,7 | 678,8 | 364,1 | 356,0 | 225,0 | - | - | 313,1 | 196,6 |
| Mathematics and statistics | 63,1 | 17,6 | 27,8 | 4,6 | 15,0 | 6,0 | - | - | 20,3 | 7,0 |

3-2. Full-time and part-time researches, by academic titles, sectors, scientific fields and sex, expressing in full-time equivalent (FTE), 2011 (continued)

| | Full-time and part-time researchers | | | | | | | | | |
|--|-------------------------------------|---------------|--------------------|--------------|--------------------|--------------|-------------|------------|-------------------|--------------|
| | Total | | Doctors of science | | Masters of science | | Specialists | | University degree | |
| | All | Women | All | Women | All | Women | All | Women | All | Women |
| Astronomy | 212,0 | 74,0 | 138,0 | 41,0 | 15,0 | 9,0 | - | - | 59,0 | 24,0 |
| Atmospheric and hydrology sciences | 336,8 | 286,1 | 181,0 | 151,5 | 38,0 | 36,0 | - | - | 117,8 | 98,6 |
| Chemistry | 736,0 | 408,0 | 332,0 | 167,0 | 288,0 | 174,0 | - | - | 116,0 | 67,0 |
| Engineering and technology | 323,6 | 137,9 | 92,7 | 38,5 | 81,2 | 40,6 | 6,0 | 1,0 | 143,7 | 57,8 |
| Architecture, town planning, spatial planning | 20,0 | 14,0 | 8,0 | 4,0 | 8,0 | 6,0 | - | - | 4,0 | 4,0 |
| Building and civil engineering, and water engineering/technology | 173,9 | 61,2 | 33,5 | 6,0 | 43,0 | 20,6 | - | - | 97,4 | 34,6 |
| Electrical engineering – energy science | 14,5 | 5,5 | 6,5 | 2,5 | 1,0 | - | - | - | 7,0 | 3,0 |
| Mechanics | 27,0 | 11,0 | 12,0 | 4,0 | 1,0 | - | 6,0 | 1,0 | 8,0 | 6,0 |
| Wood processing | 31,0 | 20,0 | 9,0 | 5,0 | 12,0 | 9,0 | - | - | 10,0 | 6,0 |
| Food processing | 57,2 | 26,2 | 23,7 | 17,0 | 16,2 | 5,0 | - | - | 17,3 | 4,2 |
| Agricultural sciences | 153,0 | 126,1 | 77,5 | 61,0 | 41,5 | 38,1 | - | - | 34,0 | 27,0 |
| Animal farming | 64,0 | 58,0 | 31,0 | 26,0 | 19,0 | 18,0 | - | - | 14,0 | 14,0 |
| Fishery and game | 89,0 | 68,1 | 46,5 | 35,0 | 22,5 | 20,1 | - | - | 20,0 | 13,0 |
| Medical sciences | 232,0 | 132,0 | 134,0 | 77,0 | 67,0 | 34,0 | 1,0 | 1,0 | 30,0 | 20,0 |
| Pharmacy | 48,0 | 25,0 | 22,0 | 12,0 | 20,0 | 8,0 | - | - | 6,0 | 5,0 |
| Basic medical sciences, except pharmacy | 25,0 | 14,0 | 15,0 | 8,0 | 9,0 | 5,0 | 1,0 | 1,0 | - | - |
| Internal medicine | 24,0 | 14,0 | 16,0 | 9,0 | 4,0 | 3,0 | - | - | 4,0 | 2,0 |
| Surgery | 135,0 | 79,0 | 81,0 | 48,0 | 34,0 | 18,0 | - | - | 20,0 | 13,0 |
| Social sciences | 270,9 | 138,5 | 126,2 | 53,1 | 111,0 | 67,0 | 1,0 | - | 32,7 | 18,4 |
| Demography and social geography | 56,6 | 26,2 | 22,2 | 7,8 | 29,0 | 17,0 | - | - | 5,4 | 1,4 |
| Economics | 24,0 | 20,0 | 12,0 | 11,0 | 11,0 | 8,0 | - | - | 1,0 | 1,0 |
| Political sciences | 20,0 | 11,0 | 10,0 | 4,0 | 7,0 | 5,0 | - | - | 3,0 | 2,0 |
| Organizational sciences | 81,1 | 24,3 | 40,8 | 10,3 | 28,0 | 10,0 | 1,0 | - | 11,3 | 4,0 |
| Management | 28,2 | 19,0 | 4,2 | - | 21,0 | 16,0 | - | - | 3,0 | 3,0 |
| Psychology | 61,0 | 38,0 | 37,0 | 20,0 | 15,0 | 11,0 | - | - | 9,0 | 7,0 |
| Humanities | 320,2 | 175,2 | 146,2 | 69,2 | 129,0 | 84,0 | 6,0 | 1,0 | 39,0 | 21,0 |
| History | 172,0 | 74,0 | 89,0 | 34,0 | 56,0 | 31,0 | 6,0 | 1,0 | 21,0 | 8,0 |
| Archeology | 90,5 | 63,5 | 26,5 | 17,5 | 50,0 | 37,0 | - | - | 14,0 | 9,0 |
| Philosophy and theology | 16,7 | 5,7 | 11,7 | 0,7 | 2,0 | 2,0 | - | - | 3,0 | 3,0 |
| Foreign languages and theology | 13,0 | 10,0 | 6,0 | 6,0 | 7,0 | 4,0 | - | - | - | - |
| Literature | 28,0 | 22,0 | 13,0 | 11,0 | 14,0 | 10,0 | - | - | 1,0 | 1,0 |
| <i>Tertiary education</i> | 4241,7 | 1942,8 | 2734,9 | 1129,4 | 837,8 | 438,1 | 12,0 | 8,0 | 657,1 | 367,4 |
| Natural sciences, mathematics | 704,9 | 297,2 | 426,7 | 152,5 | 88,2 | 47,2 | 5,0 | 3,0 | 185,1 | 94,5 |
| Mathematics and statistics | 143,7 | 47,3 | 69,3 | 15,8 | 13,0 | 7,0 | - | - | 61,5 | 24,5 |
| Computing science – software design | 36,3 | 9,5 | 20,3 | 4,5 | 8,0 | 2,0 | - | - | 8,0 | 3,0 |
| Astronomy | 87,0 | 23,0 | 51,0 | 13,0 | 9,0 | 3,0 | - | - | 27,0 | 7,0 |
| Physics and nuclear physics | 112,4 | 62,4 | 68,6 | 31,2 | 23,2 | 16,2 | - | - | 20,6 | 15,0 |
| Earth science (geology, geophysics, geography) | 182,0 | 69,0 | 129,0 | 37,0 | 27,0 | 15,0 | 5,0 | 3,0 | 21,0 | 14,0 |
| Atmospheric and hydrologic sciences | 143,5 | 86,0 | 88,5 | 51,0 | 8,0 | 4,0 | - | - | 47,0 | 31,0 |
| Engineering and technology | 830,4 | 276,4 | 483,2 | 137,2 | 236,2 | 89,0 | - | - | 111,0 | 50,2 |
| Architecture, town planning, spatial planning | 184,5 | 74,5 | 107,5 | 40,5 | 33,0 | 14,0 | - | - | 44,0 | 20,0 |
| Building and civil engineering, and water engineering/technology | 170,1 | 35,8 | 87,6 | 14,1 | 59,0 | 15,0 | - | - | 23,5 | 6,7 |
| Electrical engineering – energy science | 218,0 | 40,0 | 157,0 | 24,0 | 61,0 | 16,0 | - | - | - | - |
| Mechanics | 108,0 | 67,0 | 59,5 | 33,0 | 35,5 | 24,0 | - | - | 13,0 | 10,0 |
| Transport | 4,7 | 3,2 | 3,5 | 2,7 | 0,7 | - | - | - | 0,5 | 0,5 |
| Food processing | 145,1 | 55,9 | 68,1 | 22,9 | 47,0 | 20,0 | - | - | 30,0 | 13,0 |
| Agricultural sciences | 769,3 | 437,2 | 527,6 | 279,0 | 156,7 | 100,2 | - | - | 85,0 | 58,0 |
| Land and water (fertilisation, melioration, etc.) | 0,2 | 0,2 | 0,2 | 0,2 | - | - | - | - | - | - |
| Plant protection | 533,1 | 291,8 | 370,4 | 188,1 | 92,7 | 54,7 | - | - | 70,0 | 49,0 |
| Fishery and game | 236,0 | 145,2 | 157,0 | 90,7 | 64,0 | 45,5 | - | - | 15,0 | 9,0 |
| Medical sciences | 471,3 | 227,8 | 307,2 | 137,0 | 88,1 | 49,8 | 1,0 | 1,0 | 75,0 | 40,0 |
| Pharmacy | 401,6 | 187,3 | 262,6 | 111,3 | 75,0 | 45,0 | 1,0 | 1,0 | 63,0 | 30,0 |
| Internal medicine | 69,7 | 40,5 | 44,6 | 25,7 | 13,1 | 4,8 | - | - | 12,0 | 10,0 |
| Social sciences | 1097,6 | 530,4 | 767,2 | 322,8 | 189,3 | 117,6 | 4,0 | 4,0 | 137,1 | 86,0 |
| Demography and social geography | 374,7 | 186,7 | 285,6 | 120,9 | 68,5 | 49,3 | - | - | 20,6 | 16,5 |
| Economics | 167,7 | 109,3 | 112,2 | 60,3 | 19,5 | 18,0 | - | - | 36,0 | 31,0 |
| Political sciences | 154,9 | 63,4 | 113,1 | 39,6 | 29,3 | 17,3 | - | - | 12,5 | 6,5 |
| Organizational sciences | 94,0 | 36,0 | 64,0 | 23,0 | 22,0 | 8,0 | - | - | 8,0 | 5,0 |
| Sociology | 63,0 | 40,0 | 44,0 | 29,0 | 11,0 | 3,0 | 3,0 | 3,0 | 5,0 | 5,0 |
| Psychology | 243,3 | 95,0 | 148,3 | 50,0 | 39,0 | 22,0 | 1,0 | 1,0 | 55,0 | 22,0 |
| Humanities | 368,2 | 173,9 | 223,0 | 100,9 | 79,3 | 34,3 | 2,0 | - | 63,9 | 38,7 |
| Archeology | 68,2 | 45,4 | 30,0 | 18,4 | 15,8 | 8,8 | - | - | 22,4 | 18,2 |
| Philosophy and theology | 272,0 | 108,0 | 169,0 | 66,0 | 62,0 | 24,0 | 2,0 | - | 39,0 | 18,0 |
| Foreign languages and mother tongue | 28,0 | 20,5 | 24,0 | 16,5 | 1,5 | 1,5 | - | - | 2,5 | 2,5 |
| <i>Non-profit sector</i> | 2,6 | 2,5 | 0,7 | 0,7 | 1,1 | 1,1 | 0,3 | 0,2 | 0,5 | 0,5 |
| Social sciences | 1,0 | 1,0 | - | - | 1,0 | 1,0 | - | - | - | - |
| Demography and social geography | 1,0 | 1,0 | - | - | 1,0 | 1,0 | - | - | - | - |
| Humanities | 1,6 | 1,5 | 0,7 | 0,7 | 0,1 | 0,1 | 0,3 | 0,2 | 0,5 | 0,5 |
| Literature | 1,6 | 1,5 | 0,7 | 0,7 | 0,1 | 0,1 | 0,3 | 0,2 | 0,5 | 0,5 |
| Region Vojvodina | 2586,8 | 1286,6 | 1368,5 | 627,9 | 507,6 | 257,7 | 14,0 | 9,5 | 696,8 | 391,5 |
| <i>Non-profit sector</i> | 6,8 | 1,2 | 0,6 | - | 0,2 | 0,2 | - | - | 6,0 | 1,0 |
| Natural sciences, mathematics | 0,8 | 0,2 | 0,6 | - | 0,2 | 0,2 | - | - | - | - |
| Earth science (geology, geophysics, geography) | 0,8 | 0,2 | 0,6 | - | 0,2 | 0,2 | - | - | - | - |
| Engineering and technology | 5,0 | 1,0 | - | - | - | - | - | - | 5,0 | 1,0 |

3-2. Full-time and part-time researches, by academic titles, sectors, scientific fields and sex, expressing in full-time equivalent (FTE), 2011 (continued)

| | Full-time and part-time researchers | | | | | | | | | |
|---|-------------------------------------|--------|--------------------|-------|--------------------|-------|-------------|-------|-------------------|-------|
| | Total | | Doctors of science | | Masters of science | | Specialists | | University degree | |
| | All | Women | All | Women | All | Women | All | Women | All | Women |
| Architecture, town planning, spatial planning | 3,0 | 1,0 | - | - | - | - | - | - | 3,0 | 1,0 |
| Building and civil engineering, and water engineering/technology | 2,0 | - | - | - | - | - | - | - | 2,0 | - |
| Medical sciences | 1,0 | - | - | - | - | - | - | - | 1,0 | - |
| Pharmacy | 1,0 | - | - | - | - | - | - | - | 1,0 | - |
| <i>Government sector</i> | 157,1 | 80,0 | 79,1 | 39,0 | 27,0 | 10,0 | 3,0 | 2,0 | 48,0 | 29,0 |
| Engineering and technology | 21,0 | 5,0 | 9,0 | 2,0 | 7,0 | 1,0 | - | - | 5,0 | 2,0 |
| Transport | 21,0 | 5,0 | 9,0 | 2,0 | 7,0 | 1,0 | - | - | 5,0 | 2,0 |
| Medical sciences | 136,1 | 75,0 | 70,1 | 37,0 | 20,0 | 9,0 | 3,0 | 2,0 | 43,0 | 27,0 |
| Surgery | 82,4 | 38,0 | 47,4 | 22,0 | 11,0 | 4,0 | - | - | 24,0 | 12,0 |
| Dentistry | 53,7 | 37,0 | 22,7 | 15,0 | 9,0 | 5,0 | 3,0 | 2,0 | 19,0 | 15,0 |
| <i>Tertiary education</i> | 2423,0 | 1205,4 | 1288,8 | 588,9 | 480,4 | 247,5 | 11,0 | 7,5 | 642,8 | 361,5 |
| Natural sciences, mathematics | 375,0 | 204,0 | 231,0 | 102,0 | 37,0 | 22,0 | - | - | 107,0 | 80,0 |
| Mathematics and statistics | 375,0 | 204,0 | 231,0 | 102,0 | 37,0 | 22,0 | - | - | 107,0 | 80,0 |
| Engineering and technology | 570,6 | 225,8 | 254,6 | 96,8 | 79,0 | 28,9 | - | - | 237,0 | 100,1 |
| Architecture, town planning and spatial planning | 8,6 | 2,8 | 4,6 | 0,8 | 1,0 | 0,4 | - | - | 3,0 | 1,6 |
| Electrical engineering – energy science | 27,0 | 8,0 | 19,0 | 3,0 | 6,0 | 4,0 | - | - | 2,0 | 1,0 |
| Food processing | 535,0 | 215,0 | 231,0 | 93,0 | 72,0 | 24,5 | - | - | 232,0 | 97,5 |
| Agricultural sciences | 299,1 | 174,4 | 177,1 | 94,9 | 6,0 | 4,0 | - | - | 116,0 | 75,5 |
| Land and water (fertilisation, melioration, etc.) | 262,1 | 159,4 | 152,1 | 86,9 | - | - | - | - | 110,0 | 72,5 |
| Fishery and game | 37,0 | 15,0 | 25,0 | 8,0 | 6,0 | 4,0 | - | - | 6,0 | 3,0 |
| Medical sciences | 248,0 | 124,3 | 159,0 | 82,3 | 74,0 | 28,0 | 2,0 | 2,0 | 13,0 | 12,0 |
| Pharmacy | 227,5 | 113,0 | 143,5 | 75,0 | 70,0 | 24,0 | 2,0 | 2,0 | 12,0 | 12,0 |
| Surgery | 20,5 | 11,3 | 15,5 | 7,3 | 4,0 | 4,0 | - | - | 1,0 | - |
| Social sciences | 417,9 | 190,6 | 268,1 | 95,9 | 56,4 | 33,3 | 9,0 | 5,5 | 84,4 | 55,9 |
| Demography and social geography | 205,5 | 96,6 | 127,6 | 44,5 | 23,4 | 14,4 | - | - | 54,5 | 37,7 |
| Economics | 54,7 | 33,7 | 27,5 | 16,0 | 9,7 | 6,2 | 5,0 | 3,5 | 12,5 | 8,0 |
| Political sciences | 108,7 | 45,5 | 79,4 | 26,2 | 14,3 | 9,3 | 4,0 | 2,0 | 11,0 | 8,0 |
| Psychology | 49,0 | 14,8 | 33,6 | 9,2 | 9,0 | 3,4 | - | - | 6,4 | 2,2 |
| Humanities | 512,4 | 286,3 | 199,0 | 117,0 | 228,0 | 131,3 | - | - | 85,4 | 38,0 |
| Phylosophy and theology | 283,0 | 180,0 | 185,0 | 109,0 | 98,0 | 71,0 | - | - | - | - |
| Foreign languages and mother tongue | 229,4 | 106,3 | 14,0 | 8,0 | 130,0 | 60,3 | - | - | 85,4 | 38,0 |
| SRBIJA – SOUTH | 2131,5 | 1011,6 | 1252,7 | 534,1 | 483,1 | 256,3 | 6,0 | 3,8 | 389,7 | 217,4 |
| <i>Business sector</i> | 32,5 | 7,0 | 5,0 | 2,0 | 5,0 | 2,0 | 1,0 | - | 21,5 | 3,0 |
| Engineering and technology | 28,5 | 3,0 | 4,0 | 1,0 | 3,0 | - | 1,0 | - | 20,5 | 2,0 |
| Building and civil engineering, and water engineering/technology | 5,5 | 1,0 | - | - | - | - | - | - | 5,5 | 1,0 |
| Metallurgy | 20,0 | 2,0 | 4,0 | 1,0 | 3,0 | - | - | - | 13,0 | 1,0 |
| Food processing | 3,0 | - | - | - | - | - | 1,0 | - | 2,0 | - |
| Agricultural sciences | 1,0 | 1,0 | - | - | - | - | - | - | 1,0 | 1,0 |
| Plant production (crop, vegetable, fruit growing and viticulture) | 1,0 | 1,0 | - | - | - | - | - | - | 1,0 | 1,0 |
| Social sciences | 3,0 | 3,0 | 1,0 | 1,0 | 2,0 | 2,0 | - | - | - | - |
| Demography and social geography | 3,0 | 3,0 | 1,0 | 1,0 | 2,0 | 2,0 | - | - | - | - |
| <i>Government sector</i> | 64,0 | 35,0 | 27,0 | 13,0 | 28,0 | 14,0 | - | - | 9,0 | 8,0 |
| Engineering and technology | 33,0 | 19,0 | 12,0 | 5,0 | 13,0 | 7,0 | - | - | 8,0 | 7,0 |
| Food processing | 33,0 | 19,0 | 12,0 | 5,0 | 13,0 | 7,0 | - | - | 8,0 | 7,0 |
| Medical sciences | 31,0 | 16,0 | 15,0 | 8,0 | 15,0 | 7,0 | - | - | 1,0 | 1,0 |
| Dentistry | 31,0 | 16,0 | 15,0 | 8,0 | 15,0 | 7,0 | - | - | 1,0 | 1,0 |
| <i>Tertiary education</i> | 2035,0 | 969,6 | 1220,7 | 519,1 | 450,1 | 240,3 | 5,0 | 3,8 | 359,2 | 206,4 |
| Natural sciences, mathematics | 211,8 | 134,3 | 74,0 | 37,5 | 14,6 | 12,0 | - | - | 123,2 | 84,8 |
| Mathematics and statistics | 211,8 | 134,3 | 74,0 | 37,5 | 14,6 | 12,0 | - | - | 123,2 | 84,8 |
| Engineering and technology | 609,0 | 182,1 | 363,1 | 102,7 | 158,1 | 47,8 | 1,0 | 1,0 | 86,8 | 30,6 |
| Architecture, town planning and spatial planning | 80,0 | 30,0 | 42,0 | 12,0 | 28,0 | 18,0 | - | - | 10,0 | - |
| Building and civil engineering, and water engineering/technology | 216,4 | 67,0 | 136,6 | 42,0 | 62,6 | 19,0 | - | - | 17,2 | 6,0 |
| Electrical engineering – energy science | 168,7 | 29,6 | 89,5 | 15,9 | 45,7 | 6,5 | 1,0 | 1,0 | 32,5 | 6,2 |
| Electrical engineering – electrical engineering | 46,2 | 13,4 | 37,1 | 12,0 | 7,0 | - | - | - | 2,1 | 1,4 |
| Food processing | 97,7 | 42,1 | 57,9 | 20,8 | 14,8 | 4,3 | - | - | 25,0 | 17,0 |
| Agricultural sciences | 446,6 | 243,2 | 293,6 | 144,9 | 93,5 | 61,5 | 4,0 | 2,8 | 55,5 | 34,0 |
| Land and water (fertilisation, melioration, etc.) | 446,6 | 243,2 | 293,6 | 144,9 | 93,5 | 61,5 | 4,0 | 2,8 | 55,5 | 34,0 |
| Medical sciences | 37,0 | 14,0 | 26,0 | 12,0 | 11,0 | 2,0 | - | - | - | - |
| Pharmacy | 37,0 | 14,0 | 26,0 | 12,0 | 11,0 | 2,0 | - | - | - | - |
| Social sciences | 434,0 | 218,3 | 299,3 | 132,8 | 76,0 | 47,5 | - | - | 58,7 | 38,0 |
| Demography and social geography | 182,0 | 92,0 | 136,0 | 62,0 | 24,0 | 14,0 | - | - | 22,0 | 16,0 |
| Economics | 111,8 | 72,8 | 63,8 | 34,8 | 30,0 | 24,0 | - | - | 18,0 | 14,0 |
| Political sciences | 93,7 | 36,0 | 66,0 | 23,0 | 12,0 | 6,0 | - | - | 15,7 | 7,0 |
| Psychology | 46,5 | 17,5 | 33,5 | 13,0 | 10,0 | 3,5 | - | - | 3,0 | 1,0 |
| Humanities | 296,7 | 177,8 | 164,8 | 89,3 | 96,9 | 69,5 | - | - | 35,0 | 19,0 |
| Archeology | 144,7 | 85,8 | 85,8 | 47,3 | 51,9 | 38,5 | - | - | 7,0 | - |
| Phylosophy and theology | 152,0 | 92,0 | 79,0 | 42,0 | 45,0 | 31,0 | - | - | 28,0 | 19,0 |

3-2. Full-time and part-time researches, by academic titles, sectors, scientific fields and sex, expressing in full-time equivalent (FTE), 2011 (continued)

| | Full-time and part-time researchers | | | | | | | | | |
|---|-------------------------------------|--------------|--------------------|--------------|--------------------|--------------|-------------|------------|-------------------|--------------|
| | Total | | Doctors of science | | Masters of science | | Specialists | | University degree | |
| | All | Women | All | Women | All | Women | All | Women | All | Women |
| Region Sumadije i Zapadne Srbije | 843,9 | 412,9 | 452,8 | 205,1 | 207,5 | 107,8 | 5,0 | 3,8 | 178,6 | 96,2 |
| <i>Business sector</i> | 30,5 | 6,0 | 5,0 | 2,0 | 5,0 | 2,0 | - | - | 20,5 | 2,0 |
| Engineering and technology | 27,5 | 3,0 | 4,0 | 1,0 | 3,0 | - | - | - | 20,5 | 2,0 |
| Building and civil engineering, and water engineering/technology | 5,5 | 1,0 | - | - | - | - | - | - | 5,5 | 1,0 |
| Metallurgy | 20,0 | 2,0 | 4,0 | 1,0 | 3,0 | - | - | - | 13,0 | 1,0 |
| Food processing | 2,0 | - | - | - | - | - | - | - | 2,0 | - |
| Social sciences | 3,0 | 3,0 | 1,0 | 1,0 | 2,0 | 2,0 | - | - | - | - |
| Demography and social geography | 3,0 | 3,0 | 1,0 | 1,0 | 2,0 | 2,0 | - | - | - | - |
| <i>Government sector</i> | 16,0 | 10,0 | 7,0 | 5,0 | 8,0 | 4,0 | - | - | 1,0 | 1,0 |
| Medical sciences | 16,0 | 10,0 | 7,0 | 5,0 | 8,0 | 4,0 | - | - | 1,0 | 1,0 |
| Dentistry | 16,0 | 10,0 | 7,0 | 5,0 | 8,0 | 4,0 | - | - | 1,0 | 1,0 |
| <i>Tertiary education</i> | 797,4 | 396,9 | 440,8 | 198,1 | 194,5 | 101,8 | 5,0 | 3,8 | 157,1 | 93,2 |
| Natural sciences, mathematics | 165,0 | 105,5 | 74,0 | 37,5 | 14,6 | 12,0 | - | - | 76,4 | 56,0 |
| Mathematics and statistics | 165,0 | 105,5 | 74,0 | 37,5 | 14,6 | 12,0 | - | - | 76,4 | 56,0 |
| Engineering and technology | 165,1 | 44,7 | 84,1 | 23,7 | 60,5 | 13,8 | 1,0 | 1,0 | 19,5 | 6,2 |
| Building and civil engineering, and water engineering/technology | 75,0 | 26,0 | 45,0 | 15,0 | 28,0 | 9,0 | - | - | 2,0 | 2,0 |
| Electrical engineering – energy science | 77,4 | 14,6 | 30,2 | 5,9 | 28,7 | 3,5 | 1,0 | 1,0 | 17,5 | 4,2 |
| Food processing | 12,7 | 4,1 | 8,9 | 2,8 | 3,8 | 1,3 | - | - | - | - |
| Agricultural sciences | 78,6 | 41,2 | 41,6 | 19,9 | 7,5 | 4,5 | 4,0 | 2,8 | 25,5 | 14,0 |
| Land and water (fertilisation, melioration, etc.) | 78,6 | 41,2 | 41,6 | 19,9 | 7,5 | 4,5 | 4,0 | 2,8 | 25,5 | 14,0 |
| Medical sciences | 37,0 | 14,0 | 26,0 | 12,0 | 11,0 | 2,0 | - | - | - | - |
| Pharmacy | 207,0 | 105,8 | 129,3 | 57,8 | 49,0 | 31,0 | - | - | 28,7 | 17,0 |
| Demography and social geography | 76,0 | 36,0 | 49,0 | 23,0 | 17,0 | 9,0 | - | - | 10,0 | 4,0 |
| Economics | 82,8 | 54,8 | 42,8 | 22,8 | 26,0 | 21,0 | - | - | 14,0 | 11,0 |
| Politics | 32,7 | 11,0 | 24,0 | 8,0 | 5,0 | 1,0 | - | - | 3,7 | 2,0 |
| Psychology | 15,5 | 4,0 | 13,5 | 4,0 | 1,0 | - | - | - | 1,0 | - |
| Humanities | 144,7 | 85,8 | 85,8 | 47,3 | 51,9 | 38,5 | - | - | 7,0 | - |
| Archeology | 144,7 | 85,8 | 85,8 | 47,3 | 51,9 | 38,5 | - | - | 7,0 | - |
| Region Juzne i Istocne Srbije | 1287,7 | 598,7 | 800,0 | 329,0 | 275,6 | 148,5 | 1,0 | - | 211,1 | 121,2 |
| <i>Business sector</i> | 2,0 | 1,0 | - | - | - | - | 1,0 | - | 1,0 | 1,0 |
| Engineering and technology | 1,0 | - | - | - | - | - | 1,0 | - | - | - |
| Food processing | 1,0 | - | - | - | - | - | 1,0 | - | - | - |
| Agricultural sciences | 1,0 | 1,0 | - | - | - | - | - | - | 1,0 | 1,0 |
| Plant production (crop, vegetable, fruit growing and viticulture) | 1,0 | 1,0 | - | - | - | - | - | - | 1,0 | 1,0 |
| <i>Government sector</i> | 48,0 | 25,0 | 20,0 | 8,0 | 20,0 | 10,0 | - | - | 8,0 | 7,0 |
| Engineering and technology | 33,0 | 19,0 | 12,0 | 5,0 | 13,0 | 7,0 | - | - | 8,0 | 7,0 |
| Food technology | 33,0 | 19,0 | 12,0 | 5,0 | 13,0 | 7,0 | - | - | 8,0 | 7,0 |
| Medical sciences | 15,0 | 6,0 | 8,0 | 3,0 | 7,0 | 3,0 | - | - | - | - |
| Dentistry | 15,0 | 6,0 | 8,0 | 3,0 | 7,0 | 3,0 | - | - | - | - |
| <i>Tertiary education</i> | 1237,7 | 572,7 | 780,0 | 321,0 | 255,6 | 138,5 | - | - | 202,1 | 113,2 |
| Natural sciences, mathematics | 46,8 | 28,8 | - | - | - | - | - | - | 46,8 | 28,8 |
| Mathematics and statistics | 46,8 | 28,8 | - | - | - | - | - | - | 46,8 | 28,8 |
| Engineering and technology | 443,9 | 137,4 | 279,0 | 79,0 | 97,6 | 34,0 | - | - | 67,3 | 24,4 |
| Architecture, town planning, spatial planning | 80,0 | 30,0 | 42,0 | 12,0 | 28,0 | 18,0 | - | - | 10,0 | - |
| Building and civil engineering, and water engineering/technology | 141,4 | 41,0 | 91,6 | 27,0 | 34,6 | 10,0 | - | - | 15,2 | 4,0 |
| Electrical engineering – energy science | 91,3 | 15,0 | 59,3 | 10,0 | 17,0 | 3,0 | - | - | 15,0 | 2,0 |
| Electrical engineering – electrical engineering | 46,2 | 13,4 | 37,1 | 12,0 | 7,0 | - | - | - | 2,1 | 1,4 |
| Food processing | 85,0 | 38,0 | 49,0 | 18,0 | 11,0 | 3,0 | - | - | 25,0 | 17,0 |
| Agricultural sciences | 368,0 | 202,0 | 252,0 | 125,0 | 86,0 | 57,0 | - | - | 30,0 | 20,0 |
| Land and water (fertilisation, melioration, etc.) | 368,0 | 202,0 | 252,0 | 125,0 | 86,0 | 57,0 | - | - | 30,0 | 20,0 |
| Social sciences | 227,0 | 112,5 | 170,0 | 75,0 | 27,0 | 16,5 | - | - | 30,0 | 21,0 |
| Demography and social geography | 106,0 | 56,0 | 87,0 | 39,0 | 7,0 | 5,0 | - | - | 12,0 | 12,0 |
| Economics | 29,0 | 18,0 | 21,0 | 12,0 | 4,0 | 3,0 | - | - | 4,0 | 3,0 |
| Political sciences | 61,0 | 25,0 | 42,0 | 15,0 | 7,0 | 5,0 | - | - | 12,0 | 5,0 |
| Psychology | 31,0 | 13,5 | 20,0 | 9,0 | 9,0 | 3,5 | - | - | 2,0 | 1,0 |
| Humanities | 152,0 | 92,0 | 79,0 | 42,0 | 45,0 | 31,0 | - | - | 28,0 | 19,0 |
| Phylosophy and theology | 152,0 | 92,0 | 79,0 | 42,0 | 45,0 | 31,0 | - | - | 28,0 | 19,0 |
| Region Kosovo i Metohija | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

4-1. Full-time and part-time researchers and assistant researchers, by age and sex, 2011

| | Researchers | | | | Assistant researchers | | | |
|---------------------------|--------------|-------------|-------------|-------------|-----------------------|------------|------------|-----------|
| | Full-time | | Part-time | | Full-time | | Part-time | |
| | All | Women | All | Women | All | Women | All | Women |
| REPUBLIC OF SERBIA | 10516 | 5207 | 3093 | 1509 | 1267 | 541 | 164 | 95 |
| Under 25 | 77 | 39 | 18 | 8 | 33 | 8 | 7 | 5 |
| 25-29 | 1457 | 823 | 274 | 138 | 158 | 62 | 29 | 18 |
| 30-34 | 1632 | 924 | 411 | 189 | 182 | 80 | 28 | 20 |
| 35-39 | 1509 | 816 | 462 | 238 | 187 | 92 | 27 | 15 |
| 40-44 | 1377 | 693 | 440 | 237 | 151 | 76 | 19 | 9 |
| 45-49 | 1254 | 651 | 405 | 211 | 174 | 89 | 19 | 10 |
| 50-54 | 1026 | 453 | 357 | 201 | 135 | 57 | 9 | 7 |
| 55-59 | 1041 | 431 | 369 | 166 | 155 | 54 | 16 | 7 |
| 60-64 | 941 | 325 | 302 | 103 | 84 | 22 | 7 | 4 |
| 65-69 | 201 | 52 | 52 | 17 | 5 | 1 | 2 | - |
| 70 and over | 1 | - | 3 | 1 | 3 | - | 1 | - |
| <i>Business sector</i> | 140 | 47 | 25 | 5 | 102 | 42 | 21 | 6 |
| Under 25 | - | - | - | - | 2 | - | 2 | 2 |
| 25-29 | 21 | 9 | 2 | - | 14 | 4 | 7 | 2 |
| 30-34 | 39 | 18 | 1 | - | 14 | 8 | - | - |
| 35-39 | 18 | 7 | 3 | - | 15 | 11 | 1 | - |
| 40-44 | 14 | 5 | 1 | 1 | 12 | 7 | 5 | 2 |
| 45-49 | 6 | 1 | 3 | 2 | 13 | 6 | 2 | - |
| 50-54 | 14 | 3 | 1 | - | 7 | 1 | - | - |
| 55-59 | 14 | 4 | 8 | - | 9 | 5 | - | - |
| 60-64 | 9 | - | 5 | 1 | 11 | - | 2 | - |
| 65-69 | 5 | - | 1 | 1 | 2 | - | 1 | - |
| 70 and over | - | - | - | - | 3 | - | 1 | - |
| <i>Government sector</i> | 2836 | 1597 | 93 | 39 | 577 | 214 | 24 | 12 |
| Under 25 | 12 | 7 | 3 | 1 | 10 | 2 | - | - |
| 25-29 | 382 | 227 | 11 | 3 | 44 | 14 | 1 | 1 |
| 30-34 | 551 | 362 | 4 | 1 | 55 | 15 | 1 | 1 |
| 35-39 | 465 | 263 | 8 | 6 | 73 | 32 | 3 | 2 |
| 40-44 | 427 | 241 | 5 | 6 | 71 | 31 | 4 | 2 |
| 45-49 | 308 | 174 | 13 | 4 | 85 | 43 | 4 | 1 |
| 50-54 | 250 | 128 | 27 | 13 | 76 | 31 | 3 | 2 |
| 55-59 | 227 | 111 | 11 | 2 | 111 | 34 | 4 | 1 |
| 60-64 | 182 | 74 | 6 | 2 | 52 | 12 | 3 | 2 |
| 65-69 | 32 | 10 | 4 | 1 | - | - | 1 | - |
| 70 and over | - | - | 1 | - | - | - | - | - |
| <i>Tertiary education</i> | 7539 | 3562 | 2967 | 1458 | 581 | 280 | 114 | 73 |
| Under 25 | 65 | 32 | 15 | 7 | 21 | 6 | 5 | 3 |
| 25-29 | 1054 | 587 | 261 | 135 | 100 | 44 | 20 | 14 |
| 30-34 | 1042 | 544 | 403 | 185 | 112 | 56 | 27 | 19 |
| 35-39 | 1025 | 545 | 450 | 232 | 94 | 45 | 20 | 11 |
| 40-44 | 936 | 447 | 433 | 229 | 68 | 38 | 10 | 5 |
| 45-49 | 940 | 476 | 388 | 204 | 76 | 40 | 12 | 8 |
| 50-54 | 762 | 322 | 327 | 186 | 51 | 25 | 6 | 5 |
| 55-59 | 800 | 316 | 350 | 164 | 35 | 15 | 12 | 6 |
| 60-64 | 750 | 251 | 291 | 100 | 21 | 10 | 2 | 2 |
| 65-69 | 164 | 42 | 47 | 15 | 3 | 1 | - | - |
| 70 and over | 1 | - | 2 | 1 | - | - | - | - |
| <i>Non-profit sector</i> | 1 | 1 | 8 | 7 | 7 | 5 | 5 | 4 |
| Under 25 | - | - | - | - | - | - | - | - |
| 25-29 | - | - | - | - | - | - | 1 | 1 |
| 30-34 | - | - | 3 | 3 | 1 | 1 | - | - |
| 35-39 | 1 | 1 | 1 | - | 5 | 4 | 3 | 2 |
| 40-44 | - | - | 1 | 1 | - | - | - | - |
| 45-49 | - | - | 1 | 1 | - | - | 1 | 1 |
| 50-54 | - | - | 2 | 2 | 1 | - | - | - |
| 55-59 | - | - | - | - | - | - | - | - |
| SRBIJA – NORTH | 8556 | 4270 | 2619 | 1306 | 1100 | 463 | 111 | 55 |
| Under 25 | 77 | 39 | 13 | 7 | 25 | 6 | 5 | 3 |
| 25-29 | 1233 | 698 | 215 | 108 | 136 | 51 | 25 | 15 |
| 30-34 | 1373 | 782 | 350 | 163 | 158 | 67 | 16 | 10 |
| 35-39 | 1237 | 668 | 409 | 211 | 165 | 82 | 18 | 10 |
| 40-44 | 1127 | 572 | 371 | 205 | 130 | 65 | 12 | 4 |
| 45-49 | 980 | 520 | 333 | 175 | 150 | 73 | 13 | 5 |
| 50-54 | 807 | 349 | 303 | 177 | 117 | 50 | 5 | 3 |
| 55-59 | 802 | 333 | 316 | 151 | 138 | 47 | 9 | 3 |
| 60-64 | 751 | 260 | 259 | 92 | 74 | 21 | 5 | 2 |
| 65-69 | 168 | 49 | 47 | 16 | 4 | 1 | 2 | - |
| 70 and over | 1 | - | 3 | 1 | 3 | - | 1 | - |

4-1. Full-time and part-time researchers and assistant researchers, by age and sex, 2011 (continued)

| | Researchers | | | | Assistant researchers | | | |
|---------------------------|-------------|-------------|-------------|------------|-----------------------|------------|-----------|-----------|
| | Full-time | | Part-time | | Full-time | | Part-time | |
| | All | Women | All | Women | All | Women | All | Women |
| <i>Business sector</i> | 108 | 40 | 24 | 5 | 101 | 42 | 18 | 4 |
| Under 25 | - | - | - | - | 2 | - | 2 | 2 |
| 25-29 | 13 | 5 | 2 | - | 14 | 4 | 7 | 2 |
| 30-34 | 31 | 17 | 1 | - | 14 | 8 | - | - |
| 35-39 | 15 | 6 | 3 | - | 15 | 11 | 1 | - |
| 40-44 | 9 | 4 | 1 | 1 | 12 | 7 | 2 | - |
| 45-49 | 3 | 1 | 3 | 2 | 13 | 6 | 2 | - |
| 50-54 | 12 | 3 | - | - | 7 | 1 | - | - |
| 55-59 | 11 | 4 | 8 | - | 9 | 5 | - | - |
| 60-64 | 9 | - | 5 | 1 | 10 | - | 2 | - |
| 65-69 | 5 | - | 1 | 1 | 2 | - | 1 | - |
| 70 and over | - | - | - | - | 3 | - | 1 | - |
| <i>Government sector</i> | 2772 | 1562 | 93 | 39 | 504 | 181 | 24 | 12 |
| Under 25 | 12 | 7 | 3 | 1 | 10 | 2 | - | - |
| 25-29 | 379 | 226 | 11 | 3 | 41 | 12 | 1 | 1 |
| 30-34 | 539 | 356 | 4 | 1 | 51 | 15 | 1 | 1 |
| 35-39 | 454 | 254 | 8 | 6 | 65 | 28 | 3 | 2 |
| 40-44 | 410 | 230 | 5 | 6 | 57 | 24 | 4 | 2 |
| 45-49 | 304 | 173 | 13 | 4 | 73 | 35 | 4 | 1 |
| 50-54 | 246 | 126 | 27 | 13 | 65 | 27 | 3 | 2 |
| 55-59 | 222 | 108 | 11 | 2 | 97 | 27 | 4 | 1 |
| 60-64 | 174 | 72 | 6 | 2 | 45 | 11 | 3 | 2 |
| 65-69 | 32 | 10 | 4 | 1 | - | - | 1 | - |
| 70 and over | - | - | 1 | - | - | - | - | - |
| <i>Tertiary education</i> | 5675 | 2667 | 2494 | 1255 | 489 | 236 | 64 | 35 |
| Under 25 | 65 | 32 | 10 | 6 | 13 | 4 | 3 | 1 |
| 25-29 | 841 | 467 | 202 | 105 | 81 | 35 | 16 | 11 |
| 30-34 | 803 | 409 | 342 | 159 | 93 | 44 | 15 | 9 |
| 35-39 | 767 | 407 | 397 | 205 | 80 | 39 | 11 | 6 |
| 40-44 | 708 | 338 | 364 | 197 | 61 | 34 | 6 | 2 |
| 45-49 | 673 | 346 | 316 | 168 | 64 | 32 | 6 | 3 |
| 50-54 | 549 | 220 | 274 | 162 | 44 | 22 | 2 | 1 |
| 55-59 | 569 | 221 | 297 | 149 | 32 | 15 | 5 | 2 |
| 60-64 | 568 | 188 | 248 | 89 | 19 | 10 | - | - |
| 65-69 | 131 | 39 | 42 | 14 | 2 | 1 | - | - |
| 70 and over | 1 | - | 2 | 1 | - | - | - | - |
| <i>Non-profit sector</i> | 1 | 1 | 8 | 7 | 6 | 4 | 5 | 4 |
| Under 25 | - | - | - | - | - | - | - | - |
| 25-29 | - | - | - | - | - | - | 1 | 1 |
| 30-34 | - | - | 3 | 3 | - | - | - | - |
| 35-39 | 1 | 1 | 1 | - | 5 | 4 | 3 | 2 |
| 40-44 | - | - | 1 | 1 | - | - | - | - |
| 45-49 | - | - | 1 | 1 | - | - | 1 | 1 |
| 50-54 | - | - | 2 | 2 | 1 | - | - | - |
| 55-59 | - | - | - | - | - | - | - | - |
| Beogradski region | 6533 | 3208 | 1244 | 726 | 818 | 332 | 74 | 32 |
| Under 25 | 63 | 34 | 6 | 4 | 18 | 3 | 4 | 3 |
| 25-29 | 951 | 518 | 87 | 57 | 91 | 33 | 11 | 5 |
| 30-34 | 1042 | 594 | 138 | 80 | 98 | 42 | 3 | 1 |
| 35-39 | 938 | 506 | 196 | 112 | 117 | 57 | 14 | 7 |
| 40-44 | 865 | 431 | 183 | 115 | 94 | 45 | 12 | 4 |
| 45-49 | 779 | 400 | 170 | 98 | 126 | 63 | 11 | 5 |
| 50-54 | 628 | 276 | 156 | 105 | 89 | 39 | 3 | 2 |
| 55-59 | 621 | 252 | 168 | 92 | 116 | 34 | 8 | 3 |
| 60-64 | 540 | 175 | 113 | 49 | 63 | 16 | 5 | 2 |
| 65-69 | 105 | 22 | 24 | 13 | 3 | - | 2 | - |
| 70 and over | 1 | - | 3 | 1 | 3 | - | 1 | - |
| <i>Business sector</i> | 102 | 39 | 20 | 4 | 91 | 37 | 18 | 4 |
| Under 25 | - | - | - | - | 2 | - | 2 | 2 |
| 25-29 | 11 | 5 | 2 | - | 11 | 4 | 7 | 2 |
| 30-34 | 29 | 17 | 1 | - | 13 | 7 | - | - |
| 35-39 | 15 | 6 | 3 | - | 13 | 9 | 1 | - |
| 40-44 | 7 | 3 | 1 | 1 | 12 | 7 | 2 | - |
| 45-49 | 3 | 1 | 2 | 1 | 12 | 5 | 2 | - |
| 50-54 | 12 | 3 | - | - | 7 | 1 | - | - |
| 55-59 | 11 | 4 | 5 | - | 8 | 4 | - | - |
| 60-64 | 9 | - | 5 | 1 | 8 | - | 2 | - |
| 65-69 | 5 | - | 1 | 1 | 2 | - | 1 | - |
| 70 and over | - | - | - | - | 3 | - | 1 | - |
| <i>Government sector</i> | 2617 | 1482 | 90 | 39 | 470 | 166 | 24 | 12 |
| Under 25 | 11 | 6 | 3 | 1 | 10 | 2 | - | - |
| 25-29 | 358 | 216 | 11 | 3 | 41 | 12 | 1 | 1 |
| 30-34 | 505 | 334 | 2 | 1 | 51 | 15 | 1 | 1 |

4-1. Full-time and part-time researchers and assistant researchers, by age and sex, 2011 (continued)

| | Researchers | | | | Assistant researchers | | | |
|---------------------------|-------------|-------------|-------------|------------|-----------------------|------------|-----------|-----------|
| | Full-time | | Part-time | | Full-time | | Part-time | |
| | All | Women | All | Women | All | Women | All | Women |
| 35-39 | 427 | 241 | 8 | 6 | 63 | 27 | 3 | 2 |
| 40-44 | 384 | 215 | 5 | 6 | 53 | 22 | 4 | 2 |
| 45-49 | 291 | 168 | 13 | 4 | 69 | 33 | 4 | 1 |
| 50-54 | 239 | 123 | 27 | 13 | 56 | 25 | 3 | 2 |
| 55-59 | 207 | 100 | 10 | 2 | 84 | 20 | 4 | 1 |
| 60-64 | 164 | 69 | 6 | 2 | 43 | 10 | 3 | 2 |
| 65-69 | 31 | 10 | 4 | 1 | - | - | 1 | - |
| 70 and over | - | - | 1 | - | - | - | - | - |
| Tertiary education | 3813 | 1686 | 1126 | 676 | 251 | 125 | 27 | 12 |
| Under 25 | 52 | 28 | 3 | 3 | 6 | 1 | 2 | 1 |
| 25-29 | 582 | 297 | 74 | 54 | 39 | 17 | 2 | 1 |
| 30-34 | 508 | 243 | 132 | 76 | 34 | 20 | 2 | - |
| 35-39 | 495 | 258 | 184 | 106 | 36 | 17 | 7 | 3 |
| 40-44 | 474 | 213 | 176 | 107 | 29 | 16 | 6 | 2 |
| 45-49 | 485 | 231 | 154 | 92 | 45 | 25 | 4 | 3 |
| 50-54 | 377 | 150 | 127 | 90 | 25 | 13 | - | - |
| 55-59 | 403 | 148 | 153 | 90 | 24 | 10 | 4 | 2 |
| 60-64 | 367 | 106 | 102 | 46 | 12 | 6 | - | - |
| 65-69 | 69 | 12 | 19 | 11 | 1 | - | - | - |
| 70 and over | 1 | - | 2 | 1 | - | - | - | - |
| Non-profit sector | 1 | 1 | 8 | 7 | 6 | 4 | 5 | 4 |
| Under 25 | - | - | - | - | - | - | - | - |
| 25-29 | - | - | - | - | - | - | 1 | 1 |
| 30-34 | - | - | 3 | 3 | - | - | - | - |
| 35-39 | 1 | 1 | 1 | - | 5 | 4 | 3 | 2 |
| 40-44 | - | - | 1 | 1 | - | - | - | - |
| 45-49 | - | - | 1 | 1 | - | - | 1 | 1 |
| 50-54 | - | - | 2 | 2 | 1 | - | - | - |
| 55-59 | - | - | - | - | - | - | - | - |
| Region Vojvodine | 2023 | 1062 | 1375 | 580 | 282 | 131 | 37 | 23 |
| Under 25 | 14 | 5 | 7 | 3 | 7 | 3 | 1 | - |
| 25-29 | 282 | 180 | 128 | 51 | 45 | 18 | 14 | 10 |
| 30-34 | 331 | 188 | 212 | 83 | 60 | 25 | 13 | 9 |
| 35-39 | 299 | 162 | 213 | 99 | 48 | 25 | 4 | 3 |
| 40-44 | 262 | 141 | 188 | 90 | 36 | 20 | - | - |
| 45-49 | 201 | 120 | 163 | 77 | 24 | 10 | 2 | - |
| 50-54 | 179 | 73 | 147 | 72 | 28 | 11 | 2 | 1 |
| 55-59 | 181 | 81 | 148 | 59 | 22 | 13 | 1 | - |
| 60-64 | 211 | 85 | 146 | 43 | 11 | 5 | - | - |
| 65-69 | 63 | 27 | 23 | 3 | 1 | 1 | - | - |
| 70 and over | - | - | - | - | - | - | - | - |
| Business sector | 6 | 1 | 4 | 1 | 10 | 5 | - | - |
| 25-29 | 2 | - | - | - | 3 | - | - | - |
| 30-34 | 2 | - | - | - | 1 | 1 | - | - |
| 35-39 | - | - | - | - | 2 | 2 | - | - |
| 40-44 | 2 | 1 | - | - | - | - | - | - |
| 45-49 | - | - | 1 | 1 | 1 | 1 | - | - |
| 50-54 | - | - | - | - | - | - | - | - |
| 55-59 | - | - | 3 | - | 1 | 1 | - | - |
| 60-64 | - | - | - | - | 2 | - | - | - |
| Government sector | 155 | 80 | 3 | - | 34 | 15 | - | - |
| Under 25 | 1 | 1 | - | - | - | - | - | - |
| 25-29 | 21 | 10 | - | - | - | - | - | - |
| 30-34 | 34 | 22 | 2 | - | - | - | - | - |
| 35-39 | 27 | 13 | - | - | 2 | 1 | - | - |
| 40-44 | 26 | 15 | - | - | 4 | 2 | - | - |
| 45-49 | 13 | 5 | - | - | 4 | 2 | - | - |
| 50-54 | 7 | 3 | - | - | 9 | 2 | - | - |
| 55-59 | 15 | 8 | 1 | - | 13 | 7 | - | - |
| 60-64 | 10 | 3 | - | - | 2 | 1 | - | - |
| 65-69 | 1 | - | - | - | - | - | - | - |
| Tertiary sector | 1862 | 981 | 1368 | 579 | 238 | 111 | 37 | 23 |
| Under 25 | 13 | 4 | 7 | 3 | 7 | 3 | 1 | - |
| 25-29 | 259 | 170 | 128 | 51 | 42 | 18 | 14 | 10 |
| 30-34 | 295 | 166 | 210 | 83 | 59 | 24 | 13 | 9 |
| 35-39 | 272 | 149 | 213 | 99 | 44 | 22 | 4 | 3 |
| 40-44 | 234 | 125 | 188 | 90 | 32 | 18 | - | - |
| 45-49 | 188 | 115 | 162 | 76 | 19 | 7 | 2 | - |
| 50-54 | 172 | 70 | 147 | 72 | 19 | 9 | 2 | 1 |
| 55-59 | 166 | 73 | 144 | 59 | 8 | 5 | 1 | - |
| 60-64 | 201 | 82 | 146 | 43 | 7 | 4 | - | - |
| 65-69 | 62 | 27 | 23 | 3 | 1 | 1 | - | - |
| 70 and over | - | - | - | - | - | - | - | - |

4-1. Full-time and part-time researchers and assistant researchers, by age and sex, 2011 (continued)

| | Researchers | | | | Assistant researchers | | | |
|---|-------------|------------|------------|------------|-----------------------|-----------|-----------|-----------|
| | Full-time | | Part-time | | Full-time | | Part-time | |
| | All | Women | All | Women | All | Women | All | Women |
| SRBIJA – SOUTH | 1960 | 937 | 474 | 203 | 167 | 78 | 53 | 40 |
| Under 25 | - | - | 5 | 1 | 8 | 2 | 2 | 2 |
| 25–29 | 224 | 125 | 59 | 30 | 22 | 11 | 4 | 3 |
| 30–34 | 259 | 142 | 61 | 26 | 24 | 13 | 12 | 10 |
| 35–39 | 272 | 148 | 53 | 27 | 22 | 10 | 9 | 5 |
| 40–44 | 250 | 121 | 69 | 32 | 21 | 11 | 7 | 5 |
| 45–49 | 274 | 131 | 72 | 36 | 24 | 16 | 6 | 5 |
| 50–54 | 219 | 104 | 54 | 24 | 18 | 7 | 4 | 4 |
| 55–59 | 239 | 98 | 53 | 15 | 17 | 7 | 7 | 4 |
| 60–64 | 190 | 65 | 43 | 11 | 10 | 1 | 2 | 2 |
| 65–69 | 33 | 3 | 5 | 1 | 1 | - | - | - |
| <i>Business sector</i> | 32 | 7 | 1 | - | 1 | - | 3 | 2 |
| 25–29 | 8 | 4 | - | - | - | - | - | - |
| 30–34 | 8 | 1 | - | - | - | - | - | - |
| 35–39 | 3 | 1 | - | - | - | - | - | - |
| 40–44 | 5 | 1 | - | - | - | - | 3 | 2 |
| 45–49 | 3 | - | - | - | - | - | - | - |
| 50–54 | 2 | - | 1 | - | - | - | - | - |
| 55–59 | 3 | - | - | - | - | - | - | - |
| 60–64 | - | - | - | - | 1 | - | - | - |
| <i>Government sector</i> | 64 | 35 | - | - | 73 | 33 | - | - |
| 25–29 | 3 | 1 | - | - | 3 | 2 | - | - |
| 30–34 | 12 | 6 | - | - | 4 | - | - | - |
| 35–39 | 11 | 9 | - | - | 8 | 4 | - | - |
| 40–44 | 17 | 11 | - | - | 14 | 7 | - | - |
| 45–49 | 4 | 1 | - | - | 12 | 8 | - | - |
| 50–54 | 4 | 2 | - | - | 11 | 4 | - | - |
| 55–59 | 5 | 3 | - | - | 14 | 7 | - | - |
| 60–64 | 8 | 2 | - | - | 7 | 1 | - | - |
| <i>Tertiary sector</i> | 1864 | 895 | 473 | 203 | 92 | 44 | 50 | 38 |
| Under 25 | - | - | 5 | 1 | 8 | 2 | 2 | 2 |
| 25–29 | 213 | 120 | 59 | 30 | 19 | 9 | 4 | 3 |
| 30–34 | 239 | 135 | 61 | 26 | 19 | 12 | 12 | 10 |
| 35–39 | 258 | 138 | 53 | 27 | 14 | 6 | 9 | 5 |
| 40–44 | 228 | 109 | 69 | 32 | 7 | 4 | 4 | 3 |
| 45–49 | 267 | 130 | 72 | 36 | 12 | 8 | 6 | 5 |
| 50–54 | 213 | 102 | 53 | 24 | 7 | 3 | 4 | 4 |
| 55–59 | 231 | 95 | 53 | 15 | 3 | - | 7 | 4 |
| 60–64 | 182 | 63 | 43 | 11 | 2 | - | 2 | 2 |
| 65–69 | 33 | 3 | 5 | 1 | 1 | - | - | - |
| <i>Non-profit sector</i> | - | - | - | - | 1 | 1 | - | - |
| 30–34 | - | - | - | - | 1 | 1 | - | - |
| Region Sumadije i Zapadne Srbije | 712 | 354 | 396 | 172 | 39 | 20 | 35 | 26 |
| Under 25 | - | - | 2 | - | 8 | 2 | 2 | 2 |
| 25–29 | 102 | 62 | 55 | 27 | 12 | 8 | 4 | 3 |
| 30–34 | 126 | 67 | 56 | 24 | 8 | 6 | 8 | 7 |
| 35–39 | 113 | 60 | 43 | 23 | 5 | 1 | 6 | 3 |
| 40–44 | 69 | 31 | 59 | 29 | - | - | 5 | 4 |
| 45–49 | 77 | 38 | 64 | 32 | 4 | 3 | 3 | 2 |
| 50–54 | 83 | 39 | 44 | 17 | - | - | 2 | 2 |
| 55–59 | 85 | 34 | 42 | 13 | 2 | - | 5 | 3 |
| 60–64 | 47 | 22 | 28 | 6 | - | - | - | - |
| 65–69 | 10 | 1 | 3 | 1 | - | - | - | - |
| <i>Business sector</i> | 30 | 6 | 1 | - | - | - | 3 | 2 |
| 25–29 | 8 | 4 | - | - | - | - | - | - |
| 30–34 | 8 | 1 | - | - | - | - | - | - |
| 35–39 | 3 | 1 | - | - | - | - | - | - |
| 40–44 | 4 | - | - | - | - | - | 3 | 2 |
| 45–49 | 2 | - | - | - | - | - | - | - |
| 50–54 | 2 | - | 1 | - | - | - | - | - |
| 55–59 | 3 | - | - | - | - | - | - | - |
| <i>Government sector</i> | 16 | 10 | - | - | 3 | 1 | - | - |
| 25–29 | 2 | 1 | - | - | - | - | - | - |
| 30–34 | 3 | 1 | - | - | - | - | - | - |
| 35–39 | 5 | 3 | - | - | - | - | - | - |
| 40–44 | 3 | 3 | - | - | - | - | - | - |
| 45–49 | - | - | - | - | 2 | 1 | - | - |
| 55–59 | 1 | 1 | - | - | 1 | - | - | - |
| 60–64 | 2 | 1 | - | - | - | - | - | - |

4-1. Full-time and part-time researchers and assistant researchers, by age and sex, 2011 (continued)

| | Researchers | | | | Assistant researchers | | | |
|--------------------------------------|-------------|------------|-----------|-----------|-----------------------|-----------|-----------|-----------|
| | Full-time | | Part-time | | Full-time | | Part-time | |
| | All | Women | All | Women | All | Women | All | Women |
| <i>Tertiary education</i> | 666 | 338 | 395 | 172 | 35 | 18 | 32 | 24 |
| Under 25 | - | - | 2 | - | 8 | 2 | 2 | 2 |
| 25-29 | 92 | 57 | 55 | 27 | 12 | 8 | 4 | 3 |
| 30-34 | 115 | 65 | 56 | 24 | 7 | 5 | 8 | 7 |
| 35-39 | 105 | 56 | 43 | 23 | 5 | 1 | 6 | 3 |
| 40-44 | 62 | 28 | 59 | 29 | - | - | 2 | 2 |
| 45-49 | 75 | 38 | 64 | 32 | 2 | 2 | 3 | 2 |
| 50-54 | 81 | 39 | 43 | 17 | - | - | 2 | 2 |
| 55-59 | 81 | 33 | 42 | 13 | 1 | - | 5 | 3 |
| 60-64 | 45 | 21 | 28 | 6 | - | - | - | - |
| 65-69 | 10 | 1 | 3 | 1 | - | - | - | - |
| <i>Non-profit sector</i> | - | - | - | - | 1 | 1 | - | - |
| 30-34 | - | - | - | - | 1 | 1 | - | - |
| Region Juzne i Istocne Srbije | 1248 | 583 | 78 | 31 | 128 | 58 | 18 | 14 |
| Under 25 | - | - | 3 | 1 | - | - | - | - |
| 25-29 | 122 | 63 | 4 | 3 | 10 | 3 | - | - |
| 30-34 | 133 | 75 | 5 | 2 | 16 | 7 | 4 | 3 |
| 35-39 | 159 | 88 | 10 | 4 | 17 | 9 | 3 | 2 |
| 40-44 | 181 | 90 | 10 | 3 | 21 | 11 | 2 | 1 |
| 45-49 | 197 | 93 | 8 | 4 | 20 | 13 | 3 | 3 |
| 50-54 | 136 | 65 | 10 | 7 | 18 | 7 | 2 | 2 |
| 55-59 | 154 | 64 | 11 | 2 | 15 | 7 | 2 | 1 |
| 60-64 | 143 | 43 | 15 | 5 | 10 | 1 | 2 | 2 |
| 65-69 | 23 | 2 | 2 | - | 1 | - | - | - |
| <i>Business sector</i> | 2 | 1 | - | - | 1 | - | - | - |
| 25-29 | - | - | - | - | - | - | - | - |
| 30-34 | - | - | - | - | - | - | - | - |
| 35-39 | - | - | - | - | - | - | - | - |
| 40-44 | 1 | 1 | - | - | - | - | - | - |
| 45-49 | 1 | - | - | - | - | - | - | - |
| 50-54 | - | - | - | - | - | - | - | - |
| 55-59 | - | - | - | - | - | - | - | - |
| 60-64 | - | - | - | - | 1 | - | - | - |
| <i>Government sector</i> | 48 | 25 | - | - | 70 | 32 | - | - |
| 25-29 | 1 | - | - | - | 3 | 2 | - | - |
| 30-34 | 9 | 5 | - | - | 4 | - | - | - |
| 35-39 | 6 | 6 | - | - | 8 | 4 | - | - |
| 40-44 | 14 | 8 | - | - | 14 | 7 | - | - |
| 45-49 | 4 | 1 | - | - | 10 | 7 | - | - |
| 50-54 | 4 | 2 | - | - | 11 | 4 | - | - |
| 55-59 | 4 | 2 | - | - | 13 | 7 | - | - |
| 60-64 | 6 | 1 | - | - | 7 | 1 | - | - |
| <i>Tertiary education</i> | 1198 | 557 | 78 | 31 | 57 | 26 | 18 | 14 |
| Under 25 | - | - | 3 | 1 | - | - | - | - |
| 25-29 | 121 | 63 | 4 | 3 | 7 | 1 | - | - |
| 30-34 | 124 | 70 | 5 | 2 | 12 | 7 | 4 | 3 |
| 35-39 | 153 | 82 | 10 | 4 | 9 | 5 | 3 | 2 |
| 40-44 | 166 | 81 | 10 | 3 | 7 | 4 | 2 | 1 |
| 45-49 | 192 | 92 | 8 | 4 | 10 | 6 | 3 | 3 |
| 50-54 | 132 | 63 | 10 | 7 | 7 | 3 | 2 | 2 |
| 55-59 | 150 | 62 | 11 | 2 | 2 | - | 2 | 1 |
| 60-64 | 137 | 42 | 15 | 5 | 2 | - | 2 | 2 |
| 65-69 | 23 | 2 | 2 | - | 1 | - | - | - |
| Region Kosovo i Metohija | ... | ... | ... | ... | ... | ... | ... | ... |

5-1. Full-time and part-time assistant researchers, by academic titles, sectors, scientific fields and sex, 2011 (physical persons)

| | Full-time and part-time assistant researchers | | | | | | | | | |
|--|---|------------|--------------------|-----------|--------------------|-----------|-------------|-----------|-------------------|------------|
| | Total | | Doctors of science | | Masters of science | | Specialists | | University degree | |
| | All | Women | All | Women | All | Women | All | Women | All | Women |
| REPUBLIC OF SERBIA | 1431 | 636 | 28 | 13 | 114 | 58 | 32 | 16 | 1257 | 549 |
| <i>Business sector</i> | 123 | 48 | 12 | 6 | 6 | - | 5 | 3 | 100 | 39 |
| Natural sciences, mathematics | 9 | 4 | 2 | - | 1 | - | 1 | - | 5 | 4 |
| Earth science (geology, geophysics, geography) | 5 | 3 | - | - | - | - | 1 | - | 4 | 3 |
| Chemistry | 4 | 1 | 2 | - | 1 | - | - | - | 1 | 1 |
| Engineering and technology | 80 | 27 | 3 | 2 | 5 | - | - | - | 72 | 25 |
| Architecture, town planning, spatial planning | 1 | - | - | - | - | - | - | - | 1 | - |
| Building and civil engineering, and water engineering/technology | 7 | - | - | - | - | - | - | - | 7 | - |
| Electrical engineering – energy science | 1 | - | - | - | - | - | - | - | 1 | - |
| Electrical engineering – electrical engineering | 11 | 11 | - | - | - | - | - | - | 11 | 11 |
| Mining and quarrying | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Food processing | 59 | 15 | 3 | 2 | 5 | - | - | - | 51 | 13 |
| Agricultural science | 23 | 16 | 7 | 4 | - | - | 3 | 3 | 13 | 9 |
| Plant protection | 1 | - | - | - | - | - | - | - | 1 | - |
| Fishery and game | 22 | 16 | 7 | 4 | - | - | 3 | 3 | 12 | 9 |
| Medical sciences | 1 | - | - | - | - | - | - | - | 1 | - |
| Pharmacy | 1 | - | - | - | - | - | - | - | 1 | - |
| Social sciences | 10 | 1 | - | - | - | - | 1 | - | 9 | 1 |
| Demography and social geography | 9 | 1 | - | - | - | - | - | - | 9 | 1 |
| Economics | 1 | - | - | - | - | - | 1 | - | - | - |
| <i>Government sector</i> | 601 | 226 | 7 | 3 | 40 | 20 | 20 | 9 | 534 | 194 |
| Natural sciences, mathematics | 119 | 52 | 2 | 1 | 17 | 11 | 4 | 2 | 96 | 38 |
| Mathematics and statistics | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Astronomy | 28 | 7 | 1 | - | 5 | 2 | - | - | 22 | 5 |
| Atmosphere and hydrologic sciences | 32 | 22 | 1 | 1 | 5 | 4 | 2 | 1 | 24 | 16 |
| Chemistry | 58 | 22 | - | - | 7 | 5 | 2 | 1 | 49 | 16 |
| Engineering and technology | 390 | 134 | - | - | 8 | 4 | 12 | 4 | 370 | 126 |
| Architecture, town planning, spatial planning | 7 | 3 | - | - | 2 | 1 | - | - | 5 | 2 |
| Building and civil engineering, and water engineering/technology | 223 | 68 | - | - | - | - | - | - | 223 | 68 |
| Electrical engineering – energy science | 9 | 1 | - | - | 2 | - | - | - | 7 | 1 |
| Mechanics | 29 | 8 | - | - | - | - | 3 | - | 26 | 8 |
| Wood processing | 7 | 3 | - | - | - | - | 3 | 3 | 4 | - |
| Food processing | 115 | 51 | - | - | 4 | 3 | 6 | 1 | 105 | 47 |
| Agricultural sciences | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Fishery and game | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Medical sciences | 81 | 35 | 3 | 1 | 11 | 5 | 4 | 3 | 63 | 26 |
| Pharmacy | 7 | 3 | - | - | - | - | - | - | 7 | 3 |
| Basic medical science, except pharmacy | 8 | 4 | - | - | - | - | - | - | 8 | 4 |
| Internal medicine | 5 | 2 | - | - | 1 | - | 2 | 1 | 2 | 1 |
| Surgery | 43 | 19 | 2 | 1 | 8 | 3 | 2 | 2 | 31 | 13 |
| Dentistry | 18 | 7 | 1 | - | 2 | 2 | - | - | 15 | 5 |
| Social sciences | 4 | 2 | - | - | 2 | - | - | - | 2 | 2 |
| Organizational sciences | 2 | 2 | - | - | - | - | - | - | 2 | 2 |
| Psychology | 2 | - | - | - | 2 | - | - | - | - | - |
| Humanities | 6 | 2 | 2 | 1 | 2 | - | - | - | 2 | 1 |
| History | 2 | 1 | - | - | - | - | - | - | 2 | 1 |
| Phytosophy and theology | 4 | 1 | 2 | 1 | 2 | - | - | - | - | - |
| <i>Tertiary education</i> | 695 | 353 | 9 | 4 | 66 | 37 | 7 | 4 | 613 | 308 |
| Natural sciences, mathematics | 102 | 57 | 3 | 2 | 11 | 7 | - | - | 88 | 48 |
| Mathematics and statistics | 48 | 22 | 1 | 1 | 2 | 2 | - | - | 45 | 19 |
| Physics and nuclear physics | 4 | 1 | - | - | 4 | 1 | - | - | - | - |
| Earth science (geology, geophysics, geography) | 32 | 18 | 1 | - | 3 | 3 | - | - | 28 | 15 |
| Atmospheric and hydrologic sciences | 18 | 16 | 1 | 1 | 2 | 1 | - | - | 15 | 14 |
| Engineering and technology | 179 | 43 | 2 | - | 27 | 9 | - | - | 150 | 34 |
| Architecture, town planning, spatial planning | 16 | 4 | - | - | 1 | - | - | - | 15 | 4 |
| Building and civil engineering, and water engineering/technology | 49 | 7 | - | - | 11 | 4 | - | - | 38 | 3 |
| Electrical engineering – energy science | 16 | 6 | - | - | 2 | - | - | - | 14 | 6 |
| Electrical engineering – electrical engineering | 12 | 8 | - | - | - | - | - | - | 12 | 8 |
| Mechanics | 10 | 5 | 2 | - | 8 | 5 | - | - | - | - |
| Food processing | 76 | 13 | - | - | 5 | - | - | - | 71 | 13 |
| Agricultural sciences | 39 | 29 | 1 | 1 | 5 | 2 | 6 | 4 | 27 | 22 |
| Land and water (fertilisation, melioration, etc.) | 29 | 23 | - | - | 2 | 1 | 3 | 2 | 24 | 20 |
| Fishery and game | 10 | 6 | 1 | 1 | 3 | 1 | 3 | 2 | 3 | 2 |
| Medical sciences | 104 | 58 | 2 | 1 | 6 | 5 | - | - | 96 | 52 |
| Pharmacy | 102 | 57 | 2 | 1 | 6 | 5 | - | - | 94 | 51 |
| Surgery | 2 | 1 | - | - | - | - | - | - | 2 | 1 |

5-1. Full-time and part-time assistant researchers, by academic titles, sectors, scientific fields and sex, 2011 (physical persons) (continued)

| | Full-time and part-time assistant researchers | | | | | | | | | |
|--|---|------------|--------------------|-----------|--------------------|-----------|-------------|-----------|-------------------|------------|
| | Total | | Doctors of science | | Masters of science | | Specialists | | University degree | |
| | All | Women | All | Women | All | Women | All | Women | All | Women |
| Social sciences | 141 | 83 | 1 | - | 12 | 10 | 1 | - | 127 | 73 |
| Demography and social geography | 24 | 14 | - | - | - | - | - | - | 24 | 14 |
| Economics | 24 | 15 | 1 | - | - | - | 1 | - | 22 | 15 |
| Political sciences | 31 | 17 | - | - | - | - | - | - | 31 | 17 |
| Sociology | 14 | 11 | - | - | - | - | - | - | 14 | 11 |
| Psychology | 48 | 26 | - | - | 12 | 10 | - | - | 36 | 16 |
| Humanities | 130 | 83 | - | - | 5 | 4 | - | - | 125 | 79 |
| Archeology | 14 | 10 | - | - | 5 | 4 | - | - | 9 | 6 |
| Philosophy and theology | 106 | 69 | - | - | - | - | - | - | 106 | 69 |
| Foreign languages and mother tongue | 10 | 4 | - | - | - | - | - | - | 10 | 4 |
| <i>Non-profit sector</i> | 12 | 9 | - | - | 2 | 1 | - | - | 10 | 8 |
| Social sciences | 2 | 1 | - | - | 1 | - | - | - | 1 | 1 |
| Demography and social geography | 2 | 1 | - | - | 1 | - | - | - | 1 | 1 |
| Humanities | 10 | 8 | - | - | 1 | 1 | - | - | 9 | 7 |
| Literature | 10 | 8 | - | - | 1 | 1 | - | - | 9 | 7 |
| SRBIJA – NORTH | 1211 | 518 | 24 | 10 | 92 | 43 | 30 | 15 | 1065 | 450 |
| <i>Business sector</i> | 119 | 46 | 10 | 4 | 6 | - | 5 | 3 | 98 | 39 |
| Natural sciences, mathematics | 9 | 4 | 2 | - | 1 | - | 1 | - | 5 | 4 |
| Earth science (geology, geophysics, geography) | 5 | 3 | - | - | - | - | 1 | - | 4 | 3 |
| Chemistry | 4 | 1 | 2 | - | 1 | - | - | - | 1 | 1 |
| Engineering and technology | 76 | 25 | 1 | - | 5 | - | - | - | 70 | 25 |
| Architecture, town planning, spatial planning | 1 | - | - | - | - | - | - | - | 1 | - |
| Building and civil engineering, and water engineering/technology | 6 | - | - | - | - | - | - | - | 6 | - |
| Electrical engineering – electrical engineering | 11 | 11 | - | - | - | - | - | - | 11 | 11 |
| Mining and quarrying | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Food processing | 57 | 13 | 1 | - | 5 | - | - | - | 51 | 13 |
| Agricultural sciences | 23 | 16 | 7 | 4 | - | - | 3 | 3 | 13 | 9 |
| Plant protection | 1 | - | - | - | - | - | - | - | 1 | - |
| Fishery and game | 22 | 16 | 7 | 4 | - | - | 3 | 3 | 12 | 9 |
| Medical sciences | 1 | - | - | - | - | - | - | - | 1 | - |
| Pharmacy | 1 | - | - | - | - | - | - | - | 1 | - |
| Social sciences | 10 | 1 | - | - | - | - | 1 | - | 9 | 1 |
| Demography and social geography | 9 | 1 | - | - | - | - | - | - | 9 | 1 |
| Economics | 1 | - | - | - | - | - | 1 | - | - | - |
| <i>Government sector</i> | 528 | 193 | 6 | 3 | 36 | 17 | 18 | 8 | 468 | 165 |
| Natural sciences, mathematics | 119 | 52 | 2 | 1 | 17 | 11 | 4 | 2 | 96 | 38 |
| Mathematics and statistics | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Astronomy | 28 | 7 | 1 | - | 5 | 2 | - | - | 22 | 5 |
| Atmosphere and hydrologic sciences | 32 | 22 | 1 | 1 | 5 | 4 | 2 | 1 | 24 | 16 |
| Chemistry | 58 | 22 | - | - | 7 | 5 | 2 | 1 | 49 | 16 |
| Engineering and technology | 330 | 106 | - | - | 6 | 3 | 10 | 3 | 314 | 100 |
| Architecture, town planning, spatial planning | 7 | 3 | - | - | 2 | 1 | - | - | 5 | 2 |
| Building and civil engineering, and water engineering/technology | 223 | 68 | - | - | - | - | - | - | 223 | 68 |
| Electrical engineering – energy science | 9 | 1 | - | - | 2 | - | - | - | 7 | 1 |
| Mechanics | 29 | 8 | - | - | - | - | 3 | - | 26 | 8 |
| Wood processing | 7 | 3 | - | - | - | - | 3 | 3 | 4 | - |
| Food processing | 55 | 23 | - | - | 2 | 2 | 4 | - | 49 | 21 |
| Agricultural science | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Fishery and game | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Medical sciences | 68 | 30 | 2 | 1 | 9 | 3 | 4 | 3 | 53 | 23 |
| Pharmacy | 7 | 3 | - | - | - | - | - | - | 7 | 3 |
| Basic medical sciences, except pharmacy | 8 | 4 | - | - | - | - | - | - | 8 | 4 |
| Internal medicine | 5 | 2 | - | - | 1 | - | 2 | 1 | 2 | 1 |
| Surgery | 43 | 19 | 2 | 1 | 8 | 3 | 2 | 2 | 31 | 13 |
| Dentistry | 5 | 2 | - | - | - | - | - | - | 5 | 2 |
| Social sciences | 4 | 2 | - | - | 2 | - | - | - | 2 | 2 |
| Organizational sciences | 2 | 2 | - | - | - | - | - | - | 2 | 2 |
| Psychology | 2 | - | - | - | 2 | - | - | - | - | - |
| Humanities | 6 | 2 | 2 | 1 | 2 | - | - | - | 2 | 1 |
| History | 2 | 1 | - | - | - | - | - | - | 2 | 1 |
| Philosophy and theology | 4 | 1 | 2 | 1 | 2 | - | - | - | - | - |
| <i>Tertiary education</i> | 553 | 271 | 8 | 3 | 48 | 25 | 7 | 4 | 490 | 239 |
| Natural sciences, mathematics | 84 | 48 | 2 | 1 | 11 | 7 | - | - | 71 | 40 |
| Mathematics and statistics | 30 | 13 | - | - | 2 | 2 | - | - | 28 | 11 |
| Physics and nuclear physics | 4 | 1 | - | - | 4 | 1 | - | - | - | - |
| Earth science (geology, geophysics, geography) | 32 | 18 | 1 | - | 3 | 3 | - | - | 28 | 15 |
| Atmospheric and hydrologic sciences | 18 | 16 | 1 | 1 | 2 | 1 | - | - | 15 | 14 |
| Engineering and technology | 123 | 22 | - | - | 22 | 8 | - | - | 99 | 14 |
| Architecture, town planning, spatial planning | 9 | 2 | - | - | - | - | - | - | 9 | 2 |
| Building and civil engineering, and water engineering/technology | 34 | 5 | - | - | 9 | 3 | - | - | 25 | 2 |
| Mechanics | 10 | 5 | 2 | - | 8 | 5 | - | - | - | - |
| Food processing | 70 | 10 | - | - | 5 | - | - | - | 65 | 10 |
| Agricultural sciences | 13 | 8 | 1 | 1 | 3 | 1 | 6 | 4 | 3 | 2 |
| Earth science (fertilisation, melioration, etc.) | 3 | 2 | - | - | - | - | 3 | 2 | - | - |
| Fishery and game | 10 | 6 | 1 | 1 | 3 | 1 | 3 | 2 | 3 | 2 |
| Medical sciences | 104 | 58 | 2 | 1 | 6 | 5 | - | - | 96 | 52 |
| Pharmacy | 102 | 57 | 2 | 1 | 6 | 5 | - | - | 94 | 51 |
| Surgery | 2 | 1 | - | - | - | - | - | - | 2 | 1 |

5-1. Full-time and part-time assistant researchers, by academic titles, sectors, scientific fields and sex, 2011 (physical persons) (continued)

| | Full-time and part-time assistant researchers | | | | | | | | | |
|--|---|------------|--------------------|----------|--------------------|-----------|-------------|-----------|-------------------|------------|
| | Total | | Doctors of science | | Masters of science | | Specialists | | University degree | |
| | All | Women | All | Women | All | Women | All | Women | All | Women |
| Social sciences | 113 | 62 | 1 | - | 6 | 4 | 1 | - | 105 | 58 |
| Demography and social geography | 19 | 11 | - | - | - | - | - | - | 19 | 11 |
| Economics | 18 | 10 | 1 | - | - | - | 1 | - | 16 | 10 |
| Political sciences | 31 | 17 | - | - | - | - | - | - | 31 | 17 |
| Sociology | 14 | 11 | - | - | - | - | - | - | 14 | 11 |
| Psychology | 31 | 13 | - | - | 6 | 4 | - | - | 25 | 9 |
| Humanities | 116 | 73 | - | - | - | - | - | - | 116 | 73 |
| Phylosophy and theology | 106 | 69 | - | - | - | - | - | - | 106 | 69 |
| Foreign languages and mother tongue | 10 | 4 | - | - | - | - | - | - | 10 | 4 |
| <i>Non-profit sector</i> | 11 | 8 | - | - | 2 | 1 | - | - | 9 | 7 |
| Social sciences | 1 | - | - | - | 1 | - | - | - | - | - |
| Demography and social geography | 1 | - | - | - | 1 | - | - | - | - | - |
| Humanities | 10 | 8 | - | - | 1 | 1 | - | - | 9 | 7 |
| Literature | 10 | 8 | - | - | 1 | 1 | - | - | 9 | 7 |
| Beogradski region | 892 | 364 | 21 | 9 | 84 | 39 | 26 | 13 | 761 | 303 |
| <i>Business sector</i> | 109 | 41 | 10 | 4 | 6 | - | 5 | 3 | 88 | 34 |
| Natural sciences, mathematics | 9 | 4 | 2 | - | 1 | - | 1 | - | 5 | 4 |
| Earth science (geology, geophysics, geography) | 5 | 3 | - | - | - | - | 1 | - | 4 | 3 |
| Chemistry | 4 | 1 | 2 | - | 1 | - | - | - | 1 | 1 |
| Engineering and technology | 67 | 20 | 1 | - | 5 | - | - | - | 61 | 20 |
| Architecture, town planning, spatial planning | 1 | - | - | - | - | - | - | - | 1 | - |
| Building and civil engineering, and water engineering/technology | 3 | - | - | - | - | - | - | - | 3 | - |
| Electrical engineering – electrical engineering | 11 | 11 | - | - | - | - | - | - | 11 | 11 |
| Mining and quarrying | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Food processing | 51 | 8 | 1 | - | 5 | - | - | - | 45 | 8 |
| Agricultural sciences | 23 | 16 | 7 | 4 | - | - | 3 | 3 | 13 | 9 |
| Plant protection | 1 | - | - | - | - | - | - | - | 1 | - |
| Fishery and game | 22 | 16 | 7 | 4 | - | - | 3 | 3 | 12 | 9 |
| Social sciences | 10 | 1 | - | - | - | - | 1 | - | 9 | 1 |
| Demography and social geography | 9 | 1 | - | - | - | - | - | - | 9 | 1 |
| Economics | 1 | - | - | - | - | - | 1 | - | - | - |
| <i>Government sector</i> | 494 | 178 | 4 | 2 | 30 | 15 | 18 | 8 | 442 | 153 |
| Natural sciences, mathematics | 119 | 52 | 2 | 1 | 17 | 11 | 4 | 2 | 96 | 38 |
| Mathematics and statistics | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Astronomy | 28 | 7 | 1 | - | 5 | 2 | - | - | 22 | 5 |
| Atmospheric and hydrologic sciences | 32 | 22 | 1 | 1 | 5 | 4 | 2 | 1 | 24 | 16 |
| Chemistry | 58 | 22 | - | - | 7 | 5 | 2 | 1 | 49 | 16 |
| Engineering and technology | 330 | 106 | - | - | 6 | 3 | 10 | 3 | 314 | 100 |
| Architecture, town planning, spatial planning | 7 | 3 | - | - | 2 | 1 | - | - | 5 | 2 |
| Building and civil engineering, and water engineering/technology | 223 | 68 | - | - | - | - | - | - | 223 | 68 |
| Electrical engineering – energy science | 9 | 1 | - | - | 2 | - | - | - | 7 | 1 |
| Mechanics | 29 | 8 | - | - | - | - | 3 | - | 26 | 8 |
| Wood processing | 7 | 3 | - | - | - | - | 3 | 3 | 4 | - |
| Food technology | 55 | 23 | - | - | 2 | 2 | 4 | - | 49 | 21 |
| Agricultural sciences | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Fishery and game | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Medical sciences | 34 | 15 | - | - | 3 | 1 | 4 | 3 | 27 | 11 |
| Pharmacy | 7 | 3 | - | - | - | - | - | - | 7 | 3 |
| Basic medical sciences, except pharmacy | 8 | 4 | - | - | - | - | - | - | 8 | 4 |
| Internal medicine | 5 | 2 | - | - | 1 | - | 2 | 1 | 2 | 1 |
| Surgery | 14 | 6 | - | - | 2 | 1 | 2 | 2 | 10 | 3 |
| Social sciences | 4 | 2 | - | - | 2 | - | - | - | 2 | 2 |
| Organizational sciences | 2 | 2 | - | - | - | - | - | - | 2 | 2 |
| Psychology | 2 | - | - | - | 2 | - | - | - | - | - |
| Humanities | 6 | 2 | 2 | 1 | 2 | - | - | - | 2 | 1 |
| History | 2 | 1 | - | - | - | - | - | - | 2 | 1 |
| Phylosophy | 4 | 1 | 2 | 1 | 2 | - | - | - | - | - |
| <i>Tertiary education</i> | 278 | 137 | 7 | 3 | 46 | 23 | 3 | 2 | 222 | 109 |
| Natural sciences, mathematics | 64 | 40 | 2 | 1 | 9 | 5 | - | - | 53 | 34 |
| Mathematics and statistics | 10 | 5 | - | - | - | - | - | - | 10 | 5 |
| Physics and nuclear physics | 4 | 1 | - | - | 4 | 1 | - | - | - | - |
| Earth science (geology, geophysics, geography) | 32 | 18 | 1 | - | 3 | 3 | - | - | 28 | 15 |
| Atmospheric and hydrologic sciences | 18 | 16 | 1 | 1 | 2 | 1 | - | - | 15 | 14 |
| Engineering and technology | 58 | 12 | 2 | - | 22 | 8 | - | - | 34 | 4 |
| Architecture, town planning, spatial planning | 9 | 2 | - | - | - | - | - | - | 9 | 2 |
| Building and civil engineering, and water engineering/technology | 34 | 5 | - | - | 9 | 3 | - | - | 25 | 2 |
| Mechanics | 10 | 5 | 2 | - | 8 | 5 | - | - | - | - |
| Food processing | 5 | - | - | - | 5 | - | - | - | - | - |
| Agricultural sciences | 10 | 6 | 1 | 1 | 3 | 1 | 3 | 2 | 3 | 2 |
| Fishery and game | 10 | 6 | 1 | 1 | 3 | 1 | 3 | 2 | 3 | 2 |
| Medical sciences | 93 | 53 | 2 | 1 | 6 | 5 | - | - | 85 | 47 |
| Pharmacy | 93 | 53 | 2 | 1 | 6 | 5 | - | - | 85 | 47 |
| Social sciences | 53 | 26 | - | - | 6 | 4 | - | - | 47 | 22 |
| Demographic and social geography | 7 | 2 | - | - | - | - | - | - | 7 | 2 |
| Political sciences | 1 | - | - | - | - | - | - | - | 1 | - |
| Sociology | 14 | 11 | - | - | - | - | - | - | 14 | 11 |
| Psychology | 31 | 13 | - | - | 6 | 4 | - | - | 25 | 9 |

5-1. Full-time and part-time assistant researchers, by academic titles, sectors, scientific fields and sex, 2011 (physical persons) (continued)

| | Full-time and part-time assistant researchers | | | | | | | | | |
|--|---|------------|--------------------|----------|--------------------|-----------|-------------|----------|-------------------|------------|
| | Total | | Doctors of science | | Masters of science | | Specialists | | University degree | |
| | All | Women | All | Women | All | Women | All | Women | All | Women |
| <i>Non-profit sector</i> | 11 | 8 | - | - | 2 | 1 | - | - | 9 | 7 |
| Social sciences | 1 | - | - | - | 1 | - | - | - | - | - |
| Demographic and social geography | 1 | - | - | - | 1 | - | - | - | - | - |
| Humanities | 10 | 8 | - | - | 1 | 1 | - | - | 9 | 7 |
| Literature | 10 | 8 | - | - | 1 | 1 | - | - | 9 | 7 |
| Region Vojvodine | 319 | 154 | 3 | 1 | 8 | 4 | 4 | 2 | 304 | 147 |
| <i>Business sector</i> | 10 | 5 | - | - | - | - | - | - | 10 | 5 |
| Engineering and technology | 9 | 5 | - | - | - | - | - | - | 9 | 5 |
| Building and civil engineering, and water engineering/technology | 3 | - | - | - | - | - | - | - | 3 | - |
| Food processing | 6 | 5 | - | - | - | - | - | - | 6 | 5 |
| Medical sciences | 1 | - | - | - | - | - | - | - | 1 | - |
| Pharmacy | 1 | - | - | - | - | - | - | - | 1 | - |
| <i>Government sector</i> | 34 | 15 | 2 | 1 | 6 | 2 | - | - | 26 | 12 |
| Medical sciences | 34 | 15 | 2 | 1 | 6 | 2 | - | - | 26 | 12 |
| Surgery | 29 | 13 | 2 | 1 | 6 | 2 | - | - | 21 | 10 |
| Dentistry | 5 | 2 | - | - | - | - | - | - | 5 | 2 |
| <i>Tertiary education</i> | 275 | 134 | 1 | - | 2 | 2 | 4 | 2 | 268 | 130 |
| Natural sciences, mathematics | 20 | 8 | - | - | 2 | 2 | - | - | 18 | 6 |
| Mathematics and statistics | 20 | 8 | - | - | 2 | 2 | - | - | 18 | 6 |
| Engineering and technology | 65 | 10 | - | - | - | - | - | - | 65 | 10 |
| Food processing | 65 | 10 | - | - | - | - | - | - | 65 | 10 |
| Agricultural sciences | 3 | 2 | - | - | - | - | 3 | 2 | - | - |
| Land and water (fertilisation, melioration, etc.) | 3 | 2 | - | - | - | - | 3 | 2 | - | - |
| Medical sciences | 11 | 5 | - | - | - | - | - | - | 11 | 5 |
| Pharmacy | 9 | 4 | - | - | - | - | - | - | 9 | 4 |
| Surgery | 2 | 1 | - | - | - | - | - | - | 2 | 1 |
| Social sciences | 60 | 36 | 1 | - | - | - | 1 | - | 58 | 36 |
| Demography and social geography | 12 | 9 | - | - | - | - | - | - | 12 | 9 |
| Economics | 18 | 10 | 1 | - | - | - | 1 | - | 16 | 10 |
| Political sciences | 30 | 17 | - | - | - | - | - | - | 30 | 17 |
| Humanities | 116 | 73 | - | - | - | - | - | - | 116 | 73 |
| Philosophy and theology | 106 | 69 | - | - | - | - | - | - | 106 | 69 |
| Foreign languages and mother tongue | 10 | 4 | - | - | - | - | - | - | 10 | 4 |
| SRBIJA – SOUTH | 220 | 118 | 4 | 3 | 22 | 15 | 2 | 1 | 192 | 99 |
| <i>Business sector</i> | 4 | 2 | 2 | 2 | - | - | - | - | 2 | - |
| Engineering and technology | 4 | 2 | 2 | 2 | - | - | - | - | 2 | - |
| Building and civil engineering, and water engineering/technology | 1 | - | - | - | - | - | - | - | 1 | - |
| Electrical engineering – energy science | 1 | - | - | - | - | - | - | - | 1 | - |
| Food processing | 2 | 2 | 2 | 2 | - | - | - | - | - | - |
| <i>Government sector</i> | 73 | 33 | 1 | - | 4 | 3 | 2 | 1 | 66 | 29 |
| Engineering and technology | 60 | 28 | - | - | 2 | 1 | 2 | 1 | 56 | 26 |
| Food processing | 60 | 28 | - | - | 2 | 1 | 2 | 1 | 56 | 26 |
| Medical sciences | 13 | 5 | 1 | - | 2 | 2 | - | - | 10 | 3 |
| Dentistry | 13 | 5 | 1 | - | 2 | 2 | - | - | 10 | 3 |
| <i>Tertiary education</i> | 142 | 82 | 1 | 1 | 18 | 12 | - | - | 123 | 69 |
| Natural sciences, mathematics | 18 | 9 | 1 | 1 | - | - | - | - | 17 | 8 |
| Mathematics and statistics | 18 | 9 | 1 | 1 | - | - | - | - | 17 | 8 |
| Engineering and technology | 56 | 21 | - | - | 5 | 1 | - | - | 51 | 20 |
| Architecture, town planning, spatial planning | 7 | 2 | - | - | 1 | - | - | - | 6 | 2 |
| Building and civil engineering, and water engineering/technology | 15 | 2 | - | - | 2 | 1 | - | - | 13 | 1 |
| Electrical engineering – energy science | 16 | 6 | - | - | 2 | - | - | - | 14 | 6 |
| Electrical engineering – electrical engineering | 12 | 8 | - | - | - | - | - | - | 12 | 8 |
| Food processing | 6 | 3 | - | - | - | - | - | - | 6 | 3 |
| Agricultural sciences | 26 | 21 | - | - | 2 | 1 | - | - | 24 | 20 |
| Earth science (fertilisation, melioration, etc.) | 26 | 21 | - | - | 2 | 1 | - | - | 24 | 20 |
| Social sciences | 28 | 21 | - | - | 6 | 6 | - | - | 22 | 15 |
| Demographic and social geography | 5 | 3 | - | - | - | - | - | - | 5 | 3 |
| Economics | 6 | 5 | - | - | - | - | - | - | 6 | 5 |
| Psychology | 17 | 13 | - | - | 6 | 6 | - | - | 11 | 7 |
| Humanities | 14 | 10 | - | - | 5 | 4 | - | - | 9 | 6 |
| Archeology | 14 | 10 | - | - | 5 | 4 | - | - | 9 | 6 |
| <i>Non-profit sector</i> | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Social sciences | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Demographic and social geography | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Region Sumadije i Zapadne Srbije | 74 | 46 | 3 | 3 | 7 | 5 | - | - | 64 | 38 |
| <i>Business sector</i> | 3 | 2 | 2 | 2 | - | - | - | - | 1 | - |
| Engineering and technology | 3 | 2 | 2 | 2 | - | - | - | - | 1 | - |
| Building and civil engineering, and water engineering/technology | 1 | - | - | - | - | - | - | - | 1 | - |
| Food processing | 2 | 2 | 2 | 2 | - | - | - | - | - | - |

5-1. Full-time and part-time assistant researchers, by academic titles, sectors, scientific fields and sex, 2011 (physical persons) (continued)

| | Full-time and part-time assistant researchers | | | | | | | | | |
|--|---|-----------|--------------------|----------|--------------------|-----------|-------------|----------|-------------------|-----------|
| | Total | | Doctors of science | | Masters of science | | Specialists | | University degree | |
| | All | Women | All | Women | All | Women | All | Women | All | Women |
| <i>Government sector</i> | 3 | 1 | - | - | - | - | - | - | 3 | 1 |
| Medical sciences | 3 | 1 | - | - | - | - | - | - | 3 | 1 |
| Dentistry | 3 | 1 | - | - | - | - | - | - | 3 | 1 |
| <i>Tertiary education</i> | 67 | 42 | 1 | 1 | 7 | 5 | - | - | 59 | 36 |
| Natural sciences, mathematics | 18 | 9 | 1 | 1 | - | - | - | - | 17 | 8 |
| Mathematics and statistics | 18 | 9 | 1 | 1 | - | - | - | - | 17 | 8 |
| Engineering and technology | 8 | 3 | - | - | - | - | - | - | 8 | 3 |
| Building and civil engineering, and water engineering/technology | 2 | - | - | - | - | - | - | - | 2 | - |
| Food processing | 6 | 3 | - | - | - | - | - | - | 6 | 3 |
| Agricultural sciences | 22 | 17 | - | - | 2 | 1 | - | - | 20 | 16 |
| Land and water (fertilisation, melioration, etc.) | 22 | 17 | - | - | 2 | 1 | - | - | 20 | 16 |
| Social sciences | 5 | 3 | - | - | - | - | - | - | 5 | 3 |
| Demography and social geography | 5 | 3 | - | - | - | - | - | - | 5 | 3 |
| Humanities | 14 | 10 | - | - | 5 | 4 | - | - | 9 | 6 |
| Archeology | 14 | 10 | - | - | 5 | 4 | - | - | 9 | 6 |
| <i>Non-profit sector</i> | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Social sciences | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Demography and social geography | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Region Juzne i istocne Srbije | 146 | 72 | 1 | - | 15 | 10 | 2 | 1 | 128 | 61 |
| <i>Business sector</i> | 1 | - | - | - | - | - | - | - | 1 | - |
| Engineering and technology | 1 | - | - | - | - | - | - | - | 1 | - |
| Electrical engineering – energy science | 1 | - | - | - | - | - | - | - | 1 | - |
| <i>Government sector</i> | 70 | 32 | 1 | - | 4 | 3 | 2 | 1 | 63 | 28 |
| Engineering and technology | 60 | 28 | - | - | 2 | 1 | 2 | 1 | 56 | 26 |
| Food processing | 60 | 28 | - | - | 2 | 1 | 2 | 1 | 56 | 26 |
| Medical sciences | 10 | 4 | 1 | - | 2 | 2 | - | - | 7 | 2 |
| Dentistry | 10 | 4 | 1 | - | 2 | 2 | - | - | 7 | 2 |
| <i>Tertiary education</i> | 75 | 40 | - | - | 11 | 7 | - | - | 64 | 33 |
| Engineering and technology | 48 | 18 | - | - | 5 | 1 | - | - | 43 | 17 |
| Architecture, town planning, spatial planning | 7 | 2 | - | - | 1 | - | - | - | 6 | 2 |
| Building and civil engineering, and water engineering/technology | 13 | 2 | - | - | 2 | 1 | - | - | 11 | 1 |
| Electrical engineering – energy science | 16 | 6 | - | - | 2 | - | - | - | 14 | 6 |
| Electrical engineering – electrical engineering | 12 | 8 | - | - | - | - | - | - | 12 | 8 |
| Agricultural sciences | 4 | 4 | - | - | - | - | - | - | 4 | 4 |
| Land and water (fertilisation, melioration, etc.) | 4 | 4 | - | - | - | - | - | - | 4 | 4 |
| Social sciences | 23 | 18 | - | - | 6 | 6 | - | - | 17 | 12 |
| Economics | 6 | 5 | - | - | - | - | - | - | 6 | 5 |
| Psychology | 17 | 13 | - | - | 6 | 6 | - | - | 11 | 7 |
| Region Kosovo i Metohija | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

5-2. Full-time and part-time assistant researchers, by academic titles, sectors, scientific fields and age, expressed in full-time equivalent (FTE), 2011

| | Full-time and part-time assistant researchers | | | | | | | | | |
|--|---|------------|--------------------|-----------|--------------------|-----------|-------------|-----------|-------------------|------------|
| | Total | | Doctors of science | | Masters of science | | Specialists | | University degree | |
| | All | Women | All | Women | All | Women | All | Women | All | Women |
| REPUBLIC OF SERBIA | 1343 | 584 | 25 | 11 | 103 | 50 | 28 | 14 | 1187 | 510 |
| <i>Business sector</i> | 113 | 44 | 10 | 4 | 6 | - | 4 | 3 | 93 | 37 |
| Natural sciences, mathematics | 9 | 4 | 2 | - | 1 | - | 1 | - | 5 | 4 |
| Earth science (geology, geophysics, geography) | 5 | 3 | - | - | - | - | 1 | - | 4 | 3 |
| Chemistry | 4 | 1 | 2 | - | 1 | - | - | - | 1 | 1 |
| Engineering and technology | 72 | 23 | 1 | - | 5 | - | - | - | 66 | 23 |
| Architecture, town planning, spatial planning | 1 | - | - | - | - | - | - | - | 1 | - |
| Building and civil engineering, and water engineering/technology | 7 | - | - | - | - | - | - | - | 7 | - |
| Electrical engineering – energy science | 1 | - | - | - | - | - | - | - | 1 | - |
| Electrical engineering – electrical engineering | 11 | 11 | - | - | - | - | - | - | 11 | 11 |
| Mining and quarrying | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Food processing | 51 | 11 | 1 | - | 5 | - | - | - | 45 | 11 |
| Agricultural sciences | 22 | 16 | 7 | 4 | - | - | 3 | 3 | 12 | 9 |
| Plant protection | - | - | - | - | - | - | - | - | - | - |
| Fishery and game | 22 | 16 | 7 | 4 | - | - | 3 | 3 | 12 | 9 |
| Medical sciences | 1 | - | - | - | - | - | - | - | 1 | - |
| Pharmacy | 1 | - | - | - | - | - | - | - | 1 | - |
| Social sciences | 9 | 1 | - | - | - | - | - | - | 9 | 1 |
| Demography and social geography | 9 | 1 | - | - | - | - | - | - | 9 | 1 |
| Economics | - | - | - | - | - | - | - | - | - | - |
| <i>Government sector</i> | 589 | 219 | 7 | 3 | 40 | 20 | 18 | 7 | 524 | 189 |
| Natural sciences, mathematics | 118 | 52 | 2 | 1 | 17 | 11 | 4 | 2 | 95 | 38 |
| Mathematics and statistics | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Astronomy | 28 | 7 | 1 | - | 5 | 2 | - | - | 22 | 5 |
| Atmospheric and hydrologic sciences | 31 | 22 | 1 | 1 | 5 | 4 | 2 | 1 | 23 | 16 |
| Chemistry | 58 | 22 | - | - | 7 | 5 | 2 | 1 | 49 | 16 |
| Engineering and technology | 381 | 129 | - | - | 8 | 4 | 10 | 2 | 363 | 123 |
| Architecture, town planning, spatial planning | 7 | 3 | - | - | 2 | 1 | - | - | 5 | 2 |
| Building and civil engineering, and water engineering/technology | 220 | 68 | - | - | - | - | - | - | 220 | 68 |
| Electrical engineering – energy science | 9 | 1 | - | - | 2 | - | - | - | 7 | 1 |
| Mechanics | 29 | 8 | - | - | - | - | 3 | - | 26 | 8 |
| Wood processing | 7 | 3 | - | - | - | - | 1 | 1 | 6 | 2 |
| Food processing | 109 | 46 | - | - | 4 | 3 | 6 | 1 | 99 | 42 |
| Agricultural sciences | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Fishery and game | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Medical sciences | 81 | 35 | 3 | 1 | 11 | 5 | 4 | 3 | 63 | 26 |
| Pharmacy | 7 | 3 | - | - | - | - | - | - | 7 | 3 |
| Basic medical sciences, except pharmacy | 8 | 4 | - | - | - | - | - | - | 8 | 4 |
| Internal medicine | 5 | 2 | - | - | 1 | - | 2 | 1 | 2 | 1 |
| Surgery | 43 | 19 | 2 | 1 | 8 | 3 | 2 | 2 | 31 | 13 |
| Dentistry | 18 | 7 | 1 | - | 2 | 2 | - | - | 15 | 5 |
| Social sciences | 2 | - | - | - | 2 | - | - | - | - | - |
| Organizational sciences | - | - | - | - | - | - | - | - | - | - |
| Psychology | 2 | - | - | - | 2 | - | - | - | - | - |
| Humanities | 6 | 2 | 2 | 1 | 2 | - | - | - | 2 | 1 |
| History | 2 | 1 | - | - | - | - | - | - | 2 | 1 |
| Phylosophy and theology | 4 | 1 | 2 | 1 | 2 | - | - | - | - | - |
| <i>Tertiary education</i> | 633 | 315 | 8 | 4 | 56 | 30 | 6 | 4 | 563 | 278 |
| Natural sciences, mathematics | 100 | 56 | 3 | 2 | 11 | 7 | - | - | 86 | 47 |
| Mathematics and statistics | 48 | 22 | 1 | 1 | 2 | 2 | - | - | 45 | 19 |
| Physics and nuclear physics | 4 | 1 | - | - | 4 | 1 | - | - | - | - |
| Earth science (geology, geophysics, geography) | 30 | 17 | 1 | - | 3 | 3 | - | - | 26 | 14 |
| Atmospheric and hydrologic sciences | 18 | 16 | 1 | 1 | 2 | 1 | - | - | 15 | 14 |
| Engineering and technology | 167 | 37 | 1 | - | 22 | 6 | - | - | 144 | 31 |
| Architecture, town planning, spatial planning | 16 | 4 | - | - | 1 | - | - | - | 15 | 4 |
| Building and civil engineering, and water engineering/technology | 45 | 5 | - | - | 10 | 3 | - | - | 35 | 2 |
| Electrical engineering – energy science | 16 | 6 | - | - | 2 | - | - | - | 14 | 6 |
| Electrical engineering – electrical engineering | 12 | 8 | - | - | - | - | - | - | 12 | 8 |
| Mechanics | 5 | 3 | 1 | - | 4 | 3 | - | - | - | - |
| Food processing | 73 | 11 | - | - | 5 | - | - | - | 68 | 11 |
| Agricultural sciences | 27 | 21 | 1 | 1 | 4 | 2 | 5 | 4 | 17 | 15 |
| Land and water (fertilisation, melioration, etc.) | 18 | 15 | - | - | 1 | 1 | 3 | 2 | 14 | 13 |
| Fishery and game | 9 | 6 | 1 | 1 | 3 | 1 | 2 | 3 | 3 | 2 |
| Medical sciences | 104 | 58 | 2 | 1 | 6 | 5 | - | - | 96 | 52 |
| Pharmacy | 102 | 57 | 2 | 1 | 6 | 5 | - | - | 94 | 51 |
| Surgery | 2 | 1 | - | - | - | - | - | - | 2 | 1 |
| Social sciences | 106 | 61 | 1 | - | 9 | 7 | 1 | - | 95 | 54 |
| Demography and social geography | 18 | 12 | - | - | - | - | - | - | 18 | 12 |

5-2. Full-time and part-time assistant researchers, by academic titles, sectors, scientific fields and age, expressed in full-time equivalent (FTE), 2011 (continued)

| | Full-time and part-time assistant researchers | | | | | | | | | |
|--|---|------------|--------------------|-----------|--------------------|-----------|-------------|-----------|-------------------|------------|
| | Total | | Doctors of science | | Masters of science | | Specialists | | University degree | |
| | All | Women | All | Women | All | Women | All | Women | All | Women |
| Economics | 16 | 10 | 1 | - | - | - | 1 | - | 14 | 10 |
| Political sciences | 18 | 8 | - | - | - | - | - | - | 18 | 8 |
| Sociology | 14 | 11 | - | - | - | - | - | - | 14 | 11 |
| Psychology | 40 | 20 | - | - | 9 | 7 | - | - | 31 | 13 |
| Humanities | 129 | 82 | - | - | 4 | 3 | - | - | 125 | 79 |
| Archeology | 13 | 9 | - | - | 4 | 3 | - | - | 9 | 6 |
| Phylosophy and theology | 106 | 69 | - | - | - | - | - | - | 106 | 69 |
| Foreign languages and mother tongue | 10 | 4 | - | - | - | - | - | - | 10 | 4 |
| <i>Non-profit sector</i> | 8 | 6 | - | - | 1 | - | - | - | 7 | 6 |
| Social sciences | 2 | 1 | - | - | 1 | - | - | - | 1 | 1 |
| Demography and social geography | 2 | 1 | - | - | 1 | - | - | - | 1 | 1 |
| Humanities | 6 | 5 | - | - | - | - | - | - | 6 | 5 |
| Literature | 6 | 5 | - | - | - | - | - | - | 6 | 5 |
| SRBIJA – NORTH | 1149 | 486 | 23 | 10 | 86 | 39 | 26 | 13 | 1014 | 424 |
| <i>Business sector</i> | 111 | 44 | 10 | 4 | 6 | - | 4 | 3 | 91 | 37 |
| Natural sciences, mathematics | 9 | 4 | 2 | - | 1 | - | 1 | - | 5 | 4 |
| Earth science (geology, geophysics, geography) | 5 | 3 | - | - | - | - | 1 | - | 4 | 3 |
| Chemistry | 4 | 1 | 2 | - | 1 | - | - | - | 1 | 1 |
| Engineering and technology | 70 | 23 | 1 | - | 5 | - | - | - | 64 | 23 |
| Architecture, town planning, spatial planning | 1 | - | - | - | - | - | - | - | 1 | - |
| Building and civil engineering, and water engineering/technology | 6 | - | - | - | - | - | - | - | 6 | - |
| Electrical engineering – electrical engineering | 11 | 11 | - | - | - | - | - | - | 11 | 11 |
| Mining and quarrying | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Food processing | 51 | 11 | 1 | - | 5 | - | - | - | 45 | 11 |
| Agricultural sciences | 22 | 16 | 7 | 4 | - | - | 3 | 3 | 12 | 9 |
| Plant protection | - | - | - | - | - | - | - | - | - | - |
| Fishery and game | 22 | 16 | 7 | 4 | - | - | 3 | 3 | 12 | 9 |
| Medical sciences | 1 | - | - | - | - | - | - | - | 1 | - |
| Pharmacy | 1 | - | - | - | - | - | - | - | 1 | - |
| Social sciences | 9 | 1 | - | - | - | - | - | - | 9 | 1 |
| Demography and social geography | 9 | 1 | - | - | - | - | - | - | 9 | 1 |
| Economics | - | - | - | - | - | - | - | - | - | - |
| <i>Government sector</i> | 516 | 186 | 6 | 3 | 36 | 17 | 16 | 6 | 458 | 160 |
| Natural sciences, mathematics | 118 | 52 | 2 | 1 | 17 | 11 | 4 | 2 | 95 | 38 |
| Mathematics and statistics | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Astronomy | 28 | 7 | 1 | - | 5 | 2 | - | - | 22 | 5 |
| Atmospheric and hydrologic sciences | 31 | 22 | 1 | 1 | 5 | 4 | 2 | 1 | 23 | 16 |
| Chemistry | 58 | 22 | - | - | 7 | 5 | 2 | 1 | 49 | 16 |
| Engineering and technology | 321 | 101 | - | - | 6 | 3 | 8 | 1 | 307 | 97 |
| Architecture, town planning, spatial planning | 7 | 3 | - | - | 2 | 1 | - | - | 5 | 2 |
| Building and civil engineering, and water engineering/technology | 220 | 68 | - | - | - | - | - | - | 220 | 68 |
| Electrical engineering – energy science | 9 | 1 | - | - | 2 | - | - | - | 7 | 1 |
| Mechanics | 29 | 8 | - | - | - | - | 3 | - | 26 | 8 |
| Wood processing | 7 | 3 | - | - | - | - | 1 | 1 | 6 | 2 |
| Food processing | 49 | 18 | - | - | 2 | 2 | 4 | - | 43 | 16 |
| Agricultural sciences | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Fishery and game | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Medical sciences | 68 | 30 | 2 | 1 | 9 | 3 | 4 | 3 | 53 | 23 |
| Pharmacy | 7 | 3 | - | - | - | - | - | - | 7 | 3 |
| Basic medical sciences, except pharmacy | 8 | 4 | - | - | - | - | - | - | 8 | 4 |
| Internal medicine | 5 | 2 | - | - | 1 | - | 2 | 1 | 2 | 1 |
| Surgery | 43 | 19 | 2 | 1 | 8 | 3 | 2 | 2 | 31 | 13 |
| Dentistry | 5 | 2 | - | - | - | - | - | - | 5 | 2 |
| Social sciences | 2 | - | - | - | 2 | - | - | - | - | - |
| Organizational sciences | - | - | - | - | - | - | - | - | - | - |
| Psychology | 2 | - | - | - | 2 | - | - | - | - | - |
| Humanities | 6 | 2 | 2 | 1 | 2 | - | - | - | 2 | 1 |
| History | 2 | 1 | - | - | - | - | - | - | 2 | 1 |
| Phylosophy and theology | 4 | 1 | 2 | 1 | 2 | - | - | - | - | - |
| <i>Tertiary education</i> | 515 | 251 | 7 | 3 | 43 | 22 | 6 | 4 | 459 | 222 |
| Natural sciences, mathematics | 82 | 47 | 2 | 1 | 11 | 7 | - | - | 69 | 39 |
| Mathematics and statistics | 30 | 13 | - | - | 2 | 2 | - | - | 28 | 11 |
| Earth science (geology, geophysics, geography) | 4 | 1 | - | - | 4 | 1 | - | - | - | - |
| Chemistry | 30 | 17 | 1 | - | 3 | 3 | - | - | 26 | 14 |
| Atmospheric and hydrologic sciences | 18 | 16 | 1 | 1 | 2 | 1 | - | - | 15 | 14 |
| Engineering and technology | 115 | 19 | 1 | - | 17 | 5 | - | - | 97 | 14 |
| Architecture, town planning, spatial planning | 9 | 2 | - | - | - | - | - | - | 9 | 2 |
| Building and civil engineering, and water engineering/technology | 31 | 4 | - | - | 8 | 2 | - | - | 23 | 2 |
| Mechanics | 5 | 3 | 1 | - | 4 | 3 | - | - | - | - |
| Food processing | 70 | 10 | - | - | 5 | - | - | - | 65 | 10 |
| Agricultural sciences | 12 | 8 | 1 | 1 | 3 | 1 | 5 | 4 | 3 | 2 |
| Land and water (fertilisation, melioration, etc.) | 3 | 2 | - | - | - | - | 3 | 2 | - | - |
| Fishery and game | 9 | 6 | 1 | 1 | 3 | 1 | 2 | 2 | 3 | 2 |
| Medical sciences | 104 | 58 | 2 | 1 | 6 | 5 | - | - | 96 | 52 |
| Pharmacy | 102 | 57 | 2 | 1 | 6 | 5 | - | - | 94 | 51 |
| Surgery | 2 | 1 | - | - | - | - | - | - | 2 | 1 |

5-2. Full-time and part-time assistant researchers, by academic titles, sectors, scientific fields and age, expressed in full-time equivalent (FTE), 2011 (continued)

| | Full-time and part-time assistant researchers | | | | | | | | | |
|--|---|------------|--------------------|----------|--------------------|-----------|-------------|-----------|-------------------|------------|
| | Total | | Doctors of science | | Masters of science | | Specialists | | University degree | |
| | All | Women | All | Women | All | Women | All | Women | All | Women |
| Social sciences | 86 | 46 | 1 | - | 6 | 4 | 1 | - | 78 | 42 |
| Demography and social geography | 13 | 9 | - | - | - | - | - | - | 13 | 9 |
| Economics | 10 | 5 | 1 | - | - | - | 1 | - | 8 | 5 |
| Political sciences | 18 | 8 | - | - | - | - | - | - | 18 | 8 |
| Sociology | 14 | 11 | - | - | - | - | - | - | 14 | 11 |
| Psychology | 31 | 13 | - | - | 6 | 4 | - | - | 25 | 9 |
| Humanities | 116 | 73 | - | - | - | - | - | - | 116 | 73 |
| Philosophy and theology | 106 | 69 | - | - | - | - | - | - | 106 | 69 |
| Foreign languages and mother tongue | 10 | 4 | - | - | - | - | - | - | 10 | 4 |
| <i>Non-profit sector</i> | 7 | 5 | - | - | 1 | - | - | - | 6 | 5 |
| Social sciences | 1 | - | - | - | 1 | - | - | - | - | - |
| Demography and social geography | 1 | - | - | - | 1 | - | - | - | - | - |
| Humanities | 6 | 5 | - | - | - | - | - | - | 6 | 5 |
| Literature | 6 | 5 | - | - | - | - | - | - | 6 | 5 |
| Beogradski region | 851 | 346 | 20 | 9 | 78 | 35 | 22 | 11 | 731 | 291 |
| <i>Business sector</i> | 101 | 39 | 10 | 4 | 6 | - | 4 | 3 | 81 | 32 |
| Natural sciences, mathematics | 9 | 4 | 2 | - | 1 | - | 1 | - | 5 | 4 |
| Earth science (geology, geophysics, geography) | 5 | 3 | - | - | - | - | 1 | - | 4 | 3 |
| Chemistry | 4 | 1 | 2 | - | 1 | - | - | - | 1 | 1 |
| Engineering and technology | 61 | 18 | 1 | - | 5 | - | - | - | 55 | 18 |
| Architecture, town planning, spatial planning | 1 | - | - | - | - | - | - | - | 1 | - |
| Building and civil engineering, and water engineering/technology | 3 | - | - | - | - | - | - | - | 3 | - |
| Electrical engineering – electrical engineering | 11 | 11 | - | - | - | - | - | - | 11 | 11 |
| Mining and quarrying | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Food processing | 45 | 6 | 1 | - | 5 | - | - | - | 39 | 6 |
| Agricultural sciences | 22 | 16 | 7 | 4 | - | - | 3 | 3 | 12 | 9 |
| Plant protection | - | - | - | - | - | - | - | - | - | - |
| Fishery and game | 22 | 16 | 7 | 4 | - | - | 3 | 3 | 12 | 9 |
| Social sciences | 9 | 1 | - | - | - | - | - | - | 9 | 1 |
| Demography and social geography | 9 | 1 | - | - | - | - | - | - | 9 | 1 |
| Economics | - | - | - | - | - | - | - | - | - | - |
| <i>Government sector</i> | 482 | 171 | 4 | 2 | 30 | 15 | 16 | 6 | 432 | 148 |
| Natural sciences, mathematics | 118 | 52 | 2 | 1 | 17 | 11 | 4 | 2 | 95 | 38 |
| Mathematics and statistics | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Astronomy | 28 | 7 | 1 | - | 5 | 2 | - | - | 22 | 5 |
| Atmospheric and hydrologic sciences | 31 | 22 | 1 | 1 | 5 | 4 | 2 | 1 | 23 | 16 |
| Chemistry | 58 | 22 | - | - | 7 | 5 | 2 | 1 | 49 | 16 |
| Engineering and technology | 321 | 101 | - | - | 6 | 3 | 8 | 1 | 307 | 97 |
| Architecture, town planning, spatial planning | 7 | 3 | - | - | 2 | 1 | - | - | 5 | 2 |
| Building and civil engineering, and water engineering/technology | 220 | 68 | - | - | - | - | - | - | 220 | 68 |
| Electrical engineering – energy science | 9 | 1 | - | - | 2 | - | - | - | 7 | 1 |
| Mechanics | 29 | 8 | - | - | - | - | 3 | - | 26 | 8 |
| Wood processing | 7 | 3 | - | - | - | - | 1 | 1 | 6 | 2 |
| Food processing | 49 | 18 | - | - | 2 | 2 | 4 | - | 43 | 16 |
| Agricultural sciences | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Fishery and game | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Medical sciences | 34 | 15 | - | - | 3 | 1 | 4 | 3 | 27 | 11 |
| Pharmacy | 7 | 3 | - | - | - | - | - | - | 7 | 3 |
| Basic medical sciences, except pharmacy | 8 | 4 | - | - | - | - | - | - | 8 | 4 |
| Internal medicine | 5 | 2 | - | - | 1 | - | 2 | 1 | 2 | 1 |
| Surgery | 14 | 6 | - | - | 2 | 1 | 2 | 2 | 10 | 3 |
| Social sciences | 2 | - | - | - | 2 | - | - | - | - | - |
| Organizational sciences | - | - | - | - | - | - | - | - | - | - |
| Psychology | 2 | - | - | - | 2 | - | - | - | - | - |
| Humanities | 6 | 2 | 2 | 1 | 2 | - | - | - | 2 | 1 |
| History | 2 | 1 | - | - | - | - | - | - | 2 | 1 |
| Philosophy and theology | 4 | 1 | 2 | 1 | 2 | - | - | - | - | - |
| <i>Tertiary education</i> | 261 | 131 | 6 | 3 | 41 | 20 | 2 | 2 | 212 | 106 |
| Natural sciences, mathematics | 62 | 39 | 2 | 1 | 9 | 5 | - | - | 51 | 33 |
| Mathematics and statistics | 10 | 5 | - | - | - | - | - | - | 10 | 5 |
| Physics and nuclear physics | 4 | 1 | - | - | 4 | 1 | - | - | - | - |
| Earth science (geology, geophysics, geography) | 30 | 17 | 1 | - | 3 | 3 | - | - | 26 | 14 |
| Atmospheric and hydrologic sciences | 18 | 16 | 1 | 1 | 2 | 1 | - | - | 15 | 14 |
| Engineering and technology | 50 | 9 | 1 | - | 17 | 5 | - | - | 32 | 4 |
| Architecture, town planning, spatial planning | - | - | - | - | - | - | - | - | - | - |
| Building and civil engineering, and water engineering/technology | 9 | 2 | - | - | - | - | - | - | 9 | 2 |
| Engineering and technology | 31 | 4 | - | - | 8 | 2 | - | - | 23 | 2 |
| Mechanics | 5 | 3 | 1 | - | 4 | 3 | - | - | - | - |
| Food processing | 5 | - | - | - | 5 | - | - | - | - | - |
| Agricultural sciences | 9 | 6 | 1 | 1 | 3 | 1 | 2 | 2 | 3 | 2 |
| Fishery and game | 9 | 6 | 1 | 1 | 3 | 1 | 2 | 2 | 3 | 2 |
| Medical sciences | 93 | 53 | 2 | 1 | 6 | 5 | - | - | 85 | 47 |
| Pharmacy | 93 | 53 | 2 | 1 | 6 | 5 | - | - | 85 | 47 |
| Social sciences | 47 | 24 | - | - | 6 | 4 | - | - | 41 | 20 |
| Demographic and social geography | 1 | - | - | - | - | - | - | - | 1 | - |
| Political sciences | 1 | - | - | - | - | - | - | - | 1 | - |

5-2. Full-time and part-time assistant researchers, by academic titles, sectors, scientific fields and age, expressed in full-time equivalent (FTE), 2011 (continued)

| | Full-time and part-time assistant researchers | | | | | | | | | |
|--|---|------------|--------------------|----------|--------------------|-----------|-------------|----------|-------------------|------------|
| | Total | | Doctors of science | | Masters of science | | Specialists | | University degree | |
| | All | Women | All | Women | All | Women | All | Women | All | Women |
| Sociology | 14 | 11 | - | - | - | - | - | - | 14 | 11 |
| Psychology | 31 | 13 | - | - | 6 | 4 | - | - | 25 | 9 |
| <i>Non-profit sector</i> | 7 | 5 | - | - | 1 | - | - | - | 6 | 5 |
| Social sciences | 1 | - | - | - | 1 | - | - | - | - | - |
| Demography and social geography | 1 | - | - | - | 1 | - | - | - | - | - |
| Humanities | 6 | 5 | - | - | - | - | - | - | 6 | 5 |
| Literature | 6 | 5 | - | - | - | - | - | - | 6 | 5 |
| Region Vojvodina | 298 | 140 | 3 | 1 | 8 | 4 | 4 | 2 | 283 | 133 |
| <i>Business sector</i> | 10 | 5 | - | - | - | - | - | - | 10 | 5 |
| Engineering and technology | 9 | 5 | - | - | - | - | - | - | 9 | 5 |
| Building and civil engineering, and water engineering/technology | 3 | - | - | - | - | - | - | - | 3 | - |
| Food processing | 6 | 5 | - | - | - | - | - | - | 6 | 5 |
| Medical sciences | 1 | - | - | - | - | - | - | - | 1 | - |
| Pharmacy | 1 | - | - | - | - | - | - | - | 1 | - |
| <i>Government sector</i> | 34 | 15 | 2 | 1 | 6 | 2 | - | - | 26 | 12 |
| Medical sciences | 34 | 15 | 2 | 1 | 6 | 2 | - | - | 26 | 12 |
| Surgery | 29 | 13 | 2 | 1 | 6 | 2 | - | - | 21 | 10 |
| Dentistry | 5 | 2 | - | - | - | - | - | - | 5 | 2 |
| <i>Tertiary education</i> | 254 | 120 | 1 | - | 2 | 2 | 4 | 2 | 247 | 116 |
| Natural sciences, mathematics | 20 | 8 | - | - | 2 | 2 | - | - | 18 | 6 |
| Mathematics and statistics | 20 | 8 | - | - | 2 | 2 | - | - | 18 | 6 |
| Engineering and technology | 65 | 10 | - | - | - | - | - | - | 65 | 10 |
| Food processing | 65 | 10 | - | - | - | - | - | - | 65 | 10 |
| Agricultural sciences | 3 | 2 | - | - | - | - | 3 | 2 | - | - |
| Earth science (geology, geophysics, geography) | 3 | 2 | - | - | - | - | 3 | 2 | - | - |
| Medical sciences | 11 | 5 | - | - | - | - | - | - | 11 | 5 |
| Pharmacy | 9 | 4 | - | - | - | - | - | - | 9 | 4 |
| Surgery | 2 | 1 | - | - | - | - | - | - | 2 | 1 |
| Social sciences | 39 | 22 | 1 | - | - | - | 1 | - | 37 | 22 |
| Demography and social geography | 12 | 9 | - | - | - | - | - | - | 12 | 9 |
| Economics | 10 | 5 | 1 | - | - | - | 1 | - | 8 | 5 |
| Political sciences | 17 | 8 | - | - | - | - | - | - | 17 | 8 |
| Humanities | 116 | 73 | - | - | - | - | - | - | 116 | 73 |
| Philosophy and theology | 106 | 69 | - | - | - | - | - | - | 106 | 69 |
| Foreign languages and mother tongue | 10 | 4 | - | - | - | - | - | - | 10 | 4 |
| SRBIJA – SOUTH | 194 | 98 | 2 | 1 | 17 | 11 | 2 | 1 | 173 | 86 |
| <i>Business sector</i> | 2 | - | - | - | - | - | - | - | 2 | - |
| Engineering and technology | 2 | - | - | - | - | - | - | - | 2 | - |
| Building and civil engineering, and water engineering/technology | 1 | - | - | - | - | - | - | - | 1 | - |
| Electrical engineering – energy science | 1 | - | - | - | - | - | - | - | 1 | - |
| Food processing | - | - | - | - | - | - | - | - | - | - |
| <i>Government sector</i> | 73 | 33 | 1 | - | 4 | 3 | 2 | 1 | 66 | 29 |
| Engineering and technology | 60 | 28 | - | - | 2 | 1 | 2 | 1 | 56 | 26 |
| Food processing | 60 | 28 | - | - | 2 | 1 | 2 | 1 | 56 | 26 |
| Medical sciences | 13 | 5 | 1 | - | 2 | 2 | - | - | 10 | 3 |
| Dentistry | 13 | 5 | 1 | - | 2 | 2 | - | - | 10 | 3 |
| <i>Tertiary education</i> | 118 | 64 | 1 | 1 | 13 | 8 | - | - | 104 | 56 |
| Natural sciences, mathematics | 18 | 9 | 1 | 1 | - | - | - | - | 17 | 8 |
| Mathematics and statistics | 18 | 9 | 1 | 1 | - | - | - | - | 17 | 8 |
| Engineering and technology | 52 | 18 | - | - | 5 | 1 | - | - | 47 | 17 |
| Architecture, town planning, spatial planning | 7 | 2 | - | - | 1 | - | - | - | 6 | 2 |
| Building and civil engineering, and water engineering/technology | 14 | 1 | - | - | 2 | 1 | - | - | 12 | - |
| Electrical engineering – energy science | 16 | 6 | - | - | 2 | - | - | - | 14 | 6 |
| Electrical engineering – electrical engineering | 12 | 8 | - | - | - | - | - | - | 12 | 8 |
| Food processing | 3 | 1 | - | - | - | - | - | - | 3 | 1 |
| Agricultural sciences | 15 | 13 | - | - | 1 | 1 | - | - | 14 | 13 |
| Land and water (fertilisation, melioration, etc.) | 15 | 13 | - | - | 1 | 1 | - | - | 14 | 13 |
| Social sciences | 20 | 15 | - | - | 3 | 3 | - | - | 17 | 12 |
| Demography and social geography | 5 | 3 | - | - | - | - | - | - | 5 | 3 |
| Economics | 6 | 5 | - | - | - | - | - | - | 6 | 5 |
| Psychology | 9 | 7 | - | - | 3 | 3 | - | - | 6 | 4 |
| Humanities | 13 | 9 | - | - | 4 | 3 | - | - | 9 | 6 |
| Archeology | 13 | 9 | - | - | 4 | 3 | - | - | 9 | 6 |
| <i>Non-profit sector</i> | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Social sciences | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Demography and social geography | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Region Sumadije i Zapadne Srbije | 57 | 33 | 1 | 1 | 5 | 4 | - | - | 51 | 29 |
| <i>Business sector</i> | 1 | - | - | - | - | - | - | - | 1 | - |
| Engineering and technology | 1 | - | - | - | - | - | - | - | 1 | - |
| Building and civil engineering, and water engineering/technology | 1 | - | - | - | - | - | - | - | 1 | - |
| Food processing | - | - | - | - | - | - | - | - | - | - |

5-2. Full-time and part-time assistant researchers, by academic titles, sectors, scientific fields and age, expressed in full-time equivalent (FTE), 2011 (continued)

| | Full-time and part-time assistant researchers | | | | | | | | | |
|--|---|-----------|--------------------|----------|--------------------|----------|-------------|----------|-------------------|-----------|
| | Total | | Doctors of science | | Masters of science | | Specialists | | University degree | |
| | All | Women | All | Women | All | Women | All | Women | All | Women |
| <i>Government sector</i> | 3 | 1 | - | - | - | - | - | - | 3 | 1 |
| Medical sciences | 3 | 1 | - | - | - | - | - | - | 3 | 1 |
| Dentistry | 3 | 1 | - | - | - | - | - | - | 3 | 1 |
| <i>Tertiary education</i> | 52 | 31 | 1 | 1 | 5 | 4 | - | - | 46 | 27 |
| Natural sciences, mathematics | 18 | 9 | 1 | 1 | - | - | - | - | 17 | 8 |
| Mathematics and statistics | 18 | 9 | 1 | 1 | - | - | - | - | 17 | 8 |
| Engineering and technology | 5 | 1 | - | - | - | - | - | - | 5 | 1 |
| Building and civil engineering, and water engineering/technology | 2 | - | - | - | - | - | - | - | 2 | - |
| Food processing | 3 | 1 | - | - | - | - | - | - | 3 | 1 |
| Agricultural sciences | 11 | 9 | - | - | 1 | 1 | - | - | 10 | 9 |
| Land and water (fertilisation, melioration, etc.) | 11 | 9 | - | - | 1 | 1 | - | - | 10 | 9 |
| Social sciences | 5 | 3 | - | - | - | - | - | - | 5 | 3 |
| Demography and social geography | 5 | 3 | - | - | - | - | - | - | 5 | 3 |
| Humanities | 13 | 9 | - | - | 4 | 3 | - | - | 9 | 6 |
| Archeology | 13 | 9 | - | - | 4 | 3 | - | - | 9 | 6 |
| <i>Non-profit sector</i> | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Social sciences | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Demography and social geography | 1 | 1 | - | - | - | - | - | - | 1 | 1 |
| Region Juzne i Istocne Srbije | 137 | 65 | 1 | - | 12 | 7 | 2 | 1 | 122 | 57 |
| <i>Business sector</i> | 1 | - | - | - | - | - | - | - | 1 | - |
| Engineering and technology | 1 | - | - | - | - | - | - | - | 1 | - |
| Electrical engineering – energy science | 1 | - | - | - | - | - | - | - | 1 | - |
| <i>Government sector</i> | 70 | 32 | 1 | - | 4 | 3 | 2 | 1 | 63 | 28 |
| Engineering and technology | 60 | 28 | - | - | 2 | 1 | 2 | 1 | 56 | 26 |
| Food processing | 60 | 28 | - | - | 2 | 1 | 2 | 1 | 56 | 26 |
| Medical sciences | 10 | 4 | 1 | - | 2 | 2 | - | - | 7 | 2 |
| Dentistry | 10 | 4 | 1 | - | 2 | 2 | - | - | 7 | 2 |
| <i>Tertiary education</i> | 66 | 33 | - | - | 8 | 4 | - | - | 58 | 29 |
| Engineering and technology | 47 | 17 | - | - | 5 | 1 | - | - | 42 | 16 |
| Architecture, town planning, spatial planning | 7 | 2 | - | - | 1 | - | - | - | 6 | 2 |
| Building and civil engineering, and water engineering/technology | 12 | 1 | - | - | 2 | 1 | - | - | 10 | - |
| Electrical engineering – energy science | 16 | 6 | - | - | 2 | - | - | - | 14 | 6 |
| Electrical engineering – electrical engineering | 12 | 8 | - | - | - | - | - | - | 12 | 8 |
| Agricultural sciences | 4 | 4 | - | - | - | - | - | - | 4 | 4 |
| Land and water (fertilisation, melioration, etc.) | 4 | 4 | - | - | - | - | - | - | 4 | 4 |
| Social sciences | 15 | 12 | - | - | 3 | 3 | - | - | 12 | 9 |
| Economics | 6 | 5 | - | - | - | - | - | - | 6 | 5 |
| Psychology | 9 | 7 | - | - | 3 | 3 | - | - | 6 | 4 |
| Region Kosovo i Metohija | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

6-1. Engaged on the basis of work on contract and author contract (number of persons), 2011

| | Engaged on the basis of work on contract and author contract | | | | | | | |
|-------------------------------|--|-------------|-------------|------------|-----------------------|------------|------------|------------|
| | Total | | Researchers | | Assistant researchers | | Other | |
| | All | Women | All | Women | All | Women | All | Women |
| Republic of Serbia | 2770 | 1158 | 2331 | 919 | 231 | 112 | 208 | 127 |
| Natural sciences, mathematics | 482 | 213 | 360 | 163 | 76 | 28 | 46 | 22 |
| Engineering and technology | 1065 | 284 | 981 | 246 | 62 | 28 | 22 | 10 |
| Agricultural sciences | 209 | 165 | 175 | 144 | 2 | 1 | 32 | 20 |
| Medical sciences | 160 | 78 | 158 | 77 | 1 | - | 1 | 1 |
| Social sciences | 749 | 375 | 574 | 262 | 69 | 39 | 106 | 74 |
| Humanities | 105 | 43 | 83 | 27 | 21 | 16 | 1 | - |
| <i>Government sector</i> | 442 | 197 | 282 | 118 | 106 | 54 | 54 | 25 |
| Natural sciences, mathematics | 255 | 96 | 165 | 61 | 58 | 21 | 32 | 14 |
| Engineering and technology | 37 | 17 | 10 | 3 | 16 | 11 | 11 | 3 |
| Agricultural sciences | 11 | 8 | 11 | 8 | - | - | - | - |
| Medical sciences | 18 | 8 | 16 | 7 | 1 | - | 1 | 1 |
| Social sciences | 88 | 56 | 48 | 27 | 31 | 22 | 9 | 7 |
| Humanities | 33 | 12 | 32 | 12 | - | - | 1 | - |
| <i>Tertiary education</i> | 2328 | 961 | 2049 | 801 | 125 | 58 | 154 | 102 |
| Natural sciences, mathematics | 227 | 117 | 195 | 102 | 18 | 7 | 14 | 8 |
| Engineering and technology | 1028 | 267 | 971 | 243 | 46 | 17 | 11 | 7 |
| Agricultural sciences | 198 | 157 | 164 | 136 | 2 | 1 | 32 | 20 |
| Medical sciences | 142 | 70 | 142 | 70 | - | - | - | - |
| Social sciences | 661 | 319 | 526 | 235 | 38 | 17 | 97 | 67 |
| Humanities | 72 | 31 | 51 | 15 | 21 | 16 | - | - |
| SRBIJA – NORTH | 2187 | 884 | 1870 | 721 | 177 | 81 | 140 | 82 |
| Natural sciences, mathematics | 322 | 132 | 213 | 86 | 63 | 24 | 46 | 22 |
| Engineering and technology | 956 | 240 | 900 | 217 | 42 | 17 | 14 | 6 |
| Agricultural sciences | 209 | 165 | 175 | 144 | 2 | 1 | 32 | 20 |
| Medical sciences | 158 | 77 | 157 | 77 | 1 | - | - | - |
| Social sciences | 509 | 258 | 393 | 185 | 69 | 39 | 47 | 34 |
| Humanities | 33 | 12 | 32 | 12 | - | - | 1 | - |
| <i>Government sector</i> | 440 | 196 | 281 | 118 | 106 | 54 | 53 | 24 |
| Natural sciences, mathematics | 255 | 96 | 165 | 61 | 58 | 21 | 32 | 14 |
| Engineering and technology | 37 | 17 | 10 | 3 | 16 | 11 | 11 | 3 |
| Agricultural sciences | 11 | 8 | 11 | 8 | - | - | - | - |
| Medical sciences | 16 | 7 | 15 | 7 | 1 | - | - | - |
| Social sciences | 88 | 56 | 48 | 27 | 31 | 22 | 9 | 7 |
| Humanities | 33 | 12 | 32 | 12 | - | - | 1 | - |
| <i>Tertiary education</i> | 1747 | 688 | 1589 | 603 | 71 | 27 | 87 | 58 |
| Natural sciences, mathematics | 67 | 36 | 48 | 25 | 5 | 3 | 14 | 8 |
| Engineering and technology | 919 | 223 | 890 | 214 | 26 | 6 | 3 | 3 |
| Agricultural sciences | 198 | 157 | 164 | 136 | 2 | 1 | 32 | 20 |
| Medical sciences | 142 | 70 | 142 | 70 | - | - | - | - |
| Social sciences | 421 | 202 | 345 | 158 | 38 | 17 | 38 | 27 |
| Beogradski region | 1659 | 737 | 1349 | 581 | 177 | 81 | 133 | 75 |
| Natural sciences, mathematics | 322 | 132 | 213 | 86 | 63 | 24 | 46 | 22 |
| Engineering and technology | 534 | 147 | 481 | 127 | 42 | 17 | 11 | 3 |
| Agricultural sciences | 200 | 163 | 166 | 142 | 2 | 1 | 32 | 20 |
| Medical sciences | 124 | 66 | 123 | 66 | 1 | - | - | - |
| Social sciences | 446 | 217 | 334 | 148 | 69 | 39 | 43 | 30 |
| Humanities | 33 | 12 | 32 | 12 | - | - | 1 | - |
| <i>Government sector</i> | 440 | 196 | 281 | 118 | 106 | 54 | 53 | 24 |
| Natural sciences, mathematics | 255 | 96 | 165 | 61 | 58 | 21 | 32 | 14 |
| Engineering and technology | 37 | 17 | 10 | 3 | 16 | 11 | 11 | 3 |
| Agricultural sciences | 11 | 8 | 11 | 8 | - | - | - | - |
| Medical sciences | 16 | 7 | 15 | 7 | 1 | - | - | - |
| Social sciences | 88 | 56 | 48 | 27 | 31 | 22 | 9 | 7 |
| Humanities | 33 | 12 | 32 | 12 | - | - | 1 | - |
| <i>Tertiary education</i> | 1219 | 541 | 1068 | 463 | 71 | 27 | 80 | 51 |
| Natural sciences, mathematics | 67 | 36 | 48 | 25 | 5 | 3 | 14 | 8 |
| Engineering and technology | 497 | 130 | 471 | 124 | 26 | 6 | - | - |
| Agricultural sciences | 189 | 155 | 155 | 134 | 2 | 1 | 32 | 20 |
| Medical sciences | 108 | 59 | 108 | 59 | - | - | - | - |
| Social sciences | 358 | 161 | 286 | 121 | 38 | 17 | 34 | 23 |
| Region Vojvodine | 528 | 147 | 521 | 140 | - | - | 7 | 7 |
| Natural sciences, mathematics | 422 | 93 | 419 | 90 | - | - | 3 | 3 |
| Engineering and technology | 9 | 2 | 9 | 2 | - | - | - | - |
| Agricultural sciences | 34 | 11 | 34 | 11 | - | - | - | - |
| Medical sciences | 63 | 41 | 59 | 37 | - | - | 4 | 4 |
| <i>Tertiary education</i> | 528 | 147 | 521 | 140 | - | - | 7 | 7 |
| Engineering and technology | 422 | 93 | 419 | 90 | - | - | 3 | 3 |
| Agricultural sciences | 9 | 2 | 9 | 2 | - | - | - | - |
| Medical sciences | 34 | 11 | 34 | 11 | - | - | - | - |
| Social sciences | 63 | 41 | 59 | 37 | - | - | 4 | 4 |

6-1. Engaged on the basis of work on contract and author contract (number of persons), 2011
 (continued)

| | Engaged on the basis of work on contract and author contract | | | | | | | |
|---|--|------------|-------------|------------|-----------------------|-----------|-----------|-----------|
| | Total | | Researchers | | Assistant researchers | | Other | |
| | All | Women | All | Women | All | Women | All | Women |
| SRBIJA – SOUTH | 583 | 274 | 461 | 198 | 54 | 31 | 68 | 45 |
| Natural sciences, mathematics | 160 | 81 | 147 | 77 | 13 | 4 | - | - |
| Engineering and technology | 109 | 44 | 81 | 29 | 20 | 11 | 8 | 4 |
| Agricultural sciences | 2 | 1 | 1 | - | - | - | 1 | 1 |
| Medical sciences | 240 | 117 | 181 | 77 | - | - | 59 | 40 |
| Social sciences | 72 | 31 | 51 | 15 | 21 | 16 | - | - |
| <i>Government sector</i> | 2 | 1 | 1 | - | - | - | 1 | 1 |
| Medical sciences | 2 | 1 | 1 | - | - | - | 1 | 1 |
| <i>Tertiary education</i> | 581 | 273 | 460 | 198 | 54 | 31 | 67 | 44 |
| Natural sciences, mathematics | 160 | 81 | 147 | 77 | 13 | 4 | - | - |
| Engineering and technology | 109 | 44 | 81 | 29 | 20 | 11 | 8 | 4 |
| Social sciences | 240 | 117 | 181 | 77 | - | - | 59 | 40 |
| Humanities | 72 | 31 | 51 | 15 | 21 | 16 | - | - |
| Region Sumadije i Zapadne Srbije | 263 | 132 | 202 | 88 | 28 | 19 | 33 | 25 |
| Natural sciences, mathematics | 42 | 25 | 35 | 22 | 7 | 3 | - | - |
| Engineering and technology | - | - | - | - | - | - | - | - |
| Agricultural sciences | 2 | 1 | 1 | - | - | - | 1 | 1 |
| Medical sciences | 147 | 75 | 115 | 51 | - | - | 32 | 24 |
| Social sciences | 72 | 31 | 51 | 15 | 21 | 16 | - | - |
| <i>Government sector</i> | 2 | 1 | 1 | - | - | - | 1 | 1 |
| Medical sciences | 2 | 1 | 1 | - | - | - | 1 | 1 |
| <i>Tertiary education</i> | 261 | 131 | 201 | 88 | 28 | 19 | 32 | 24 |
| Natural sciences, mathematics | 42 | 25 | 35 | 22 | 7 | 3 | - | - |
| Engineering and technology | - | - | - | - | - | - | - | - |
| Social sciences | 147 | 75 | 115 | 51 | - | - | 32 | 24 |
| Humanities | 72 | 31 | 51 | 15 | 21 | 16 | - | - |
| Region Juzne i Zapadne Srbije | 320 | 142 | 259 | 110 | 26 | 12 | 35 | 20 |
| Natural sciences, mathematics | 118 | 56 | 112 | 55 | 6 | 1 | - | - |
| Engineering and technology | 109 | 44 | 81 | 29 | 20 | 11 | 8 | 4 |
| Social sciences | 93 | 42 | 66 | 26 | - | - | 27 | 16 |
| <i>Tertiary education</i> | 320 | 142 | 259 | 110 | 26 | 12 | 35 | 20 |
| Natural sciences, mathematics | 118 | 56 | 112 | 55 | 6 | 1 | - | - |
| Engineering and technology | 109 | 44 | 81 | 29 | 20 | 11 | 8 | 4 |
| Social sciences | 93 | 42 | 66 | 26 | - | - | 27 | 16 |
| Region Kosovo i Metohia | ... | ... | ... | ... | ... | ... | ... | ... |

6-2. Engaged on the basis of work on contract and author contract, expressed in full-time equivalent (FTE), 2011

| | Engaged on the basis of work on contract and author contract | | | | | | | |
|-------------------------------|--|------------|-------------|------------|-----------------------|-----------|------------|-----------|
| | Total | | Researchers | | Assistant researchers | | Other | |
| | All | Women | All | Women | All | Women | All | Women |
| REPUBLIC OF SERBIA | 1910 | 786 | 1621 | 644 | 140 | 54 | 153 | 91 |
| Natural sciences, mathematics | 413 | 179 | 305 | 140 | 69 | 22 | 40 | 18 |
| Engineering and technology | 680 | 191 | 632 | 168 | 34 | 16 | 16 | 8 |
| Agricultural sciences | 110 | 83 | 93 | 72 | 1 | 1 | 17 | 11 |
| Medical sciences | 117 | 57 | 115 | 56 | 1 | - | 1 | 1 |
| Social sciences | 555 | 264 | 445 | 199 | 32 | 13 | 78 | 53 |
| Humanities | 35 | 12 | 31 | 9 | 3 | 2 | 1 | - |
| <i>Government sector</i> | 339 | 137 | 225 | 92 | 69 | 23 | 47 | 23 |
| Natural sciences, mathematics | 224 | 83 | 138 | 53 | 54 | 16 | 32 | 14 |
| Engineering and technology | 20 | 7 | 6 | 2 | 10 | 4 | 5 | 1 |
| Agricultural sciences | 3 | 2 | 3 | 2 | - | - | - | - |
| Medical sciences | 13 | 6 | 11 | 5 | 1 | - | 1 | 1 |
| Social sciences | 55 | 32 | 44 | 23 | 4 | 3 | 8 | 7 |
| Humanities | 24 | 7 | 23 | 7 | - | - | 1 | - |
| <i>Tertiary education</i> | 1571 | 649 | 1396 | 552 | 71 | 31 | 106 | 68 |
| Natural sciences, mathematics | 189 | 96 | 167 | 87 | 15 | 6 | 8 | 4 |
| Engineering and technology | 660 | 184 | 626 | 166 | 24 | 12 | 11 | 7 |
| Agricultural sciences | 107 | 81 | 90 | 70 | 1 | 1 | 17 | 11 |
| Medical sciences | 104 | 51 | 104 | 51 | - | - | - | - |
| Social sciences | 500 | 232 | 401 | 176 | 28 | 10 | 70 | 46 |
| Humanities | 11 | 5 | 8 | 2 | 3 | 2 | - | - |
| SRBIJA – NORTH | 1440 | 559 | 1254 | 479 | 105 | 37 | 85 | 46 |
| Natural sciences, mathematics | 261 | 103 | 165 | 67 | 57 | 18 | 40 | 18 |
| Engineering and technology | 594 | 153 | 574 | 145 | 14 | 5 | 8 | 4 |
| Agricultural sciences | 110 | 83 | 93 | 72 | 1 | 1 | 17 | 11 |
| Medical sciences | 115 | 56 | 114 | 56 | 1 | - | - | - |
| Social sciences | 336 | 157 | 285 | 132 | 32 | 13 | 19 | 13 |
| Humanities | 24 | 7 | 23 | 7 | - | - | 1 | - |

6-2. Engaged on the basis of work on contract and author contract, expressed in full-time equivalent (FTE), 2011

| | Engaged on the basis of work on contract and author contract | | | | | | | |
|---|--|------------|-------------|------------|-----------------------|-----------|-----------|-----------|
| | Total | | Researchers | | Assistant researchers | | Other | |
| | All | Women | All | Women | All | Women | All | Women |
| <i>Government sector</i> | 337 | 136 | 224 | 92 | 69 | 23 | 46 | 22 |
| Natural sciences, mathematics | 224 | 83 | 138 | 53 | 54 | 16 | 32 | 14 |
| Engineering and technology | 20 | 7 | 6 | 2 | 10 | 4 | 5 | 1 |
| Agricultural sciences | 3 | 2 | 3 | 2 | - | - | - | - |
| Medical sciences | 11 | 5 | 10 | 5 | 1 | - | - | - |
| Social sciences | 55 | 32 | 44 | 23 | 4 | 3 | 8 | 7 |
| Humanities | 24 | 7 | 23 | 7 | - | - | 1 | - |
| <i>Tertiary education</i> | 1103 | 423 | 1030 | 387 | 36 | 14 | 39 | 24 |
| Natural sciences, mathematics | 37 | 20 | 27 | 14 | 3 | 2 | 8 | 4 |
| Engineering and technology | 574 | 146 | 568 | 143 | 4 | 1 | 3 | 3 |
| Agricultural sciences | 107 | 81 | 90 | 70 | 1 | 1 | 17 | 11 |
| Medical sciences | 104 | 51 | 104 | 51 | - | - | - | - |
| Social sciences | 281 | 125 | 241 | 109 | 28 | 10 | 11 | 6 |
| Beogradski region | 1153 | 483 | 973 | 407 | 105 | 37 | 81 | 42 |
| Natural sciences, mathematics | 261 | 103 | 165 | 67 | 57 | 18 | 40 | 18 |
| Engineering and technology | 368 | 101 | 351 | 96 | 14 | 5 | 5 | 1 |
| Agricultural sciences | 101 | 81 | 84 | 70 | 1 | 1 | 17 | 11 |
| Medical sciences | 81 | 45 | 80 | 45 | 1 | - | - | - |
| Social sciences | 318 | 146 | 270 | 122 | 32 | 13 | 18 | 12 |
| Humanities | 24 | 7 | 23 | 7 | - | - | 1 | - |
| <i>Government sector</i> | 337 | 136 | 224 | 92 | 69 | 23 | 46 | 22 |
| Natural sciences, mathematics | 224 | 83 | 138 | 53 | 54 | 16 | 32 | 14 |
| Engineering and technology | 20 | 7 | 6 | 2 | 10 | 4 | 5 | 1 |
| Agricultural sciences | 3 | 2 | 3 | 2 | - | - | - | - |
| Medical sciences | 11 | 5 | 10 | 5 | 1 | - | - | - |
| Social sciences | 55 | 32 | 44 | 23 | 4 | 3 | 8 | 7 |
| Humanities | 24 | 7 | 23 | 7 | - | - | 1 | - |
| <i>Tertiary education</i> | 816 | 347 | 749 | 315 | 36 | 14 | 35 | 20 |
| Natural sciences, mathematics | 37 | 20 | 27 | 14 | 3 | 2 | 8 | 4 |
| Engineering and technology | 348 | 94 | 345 | 94 | 4 | 1 | - | - |
| Agricultural sciences | 98 | 79 | 81 | 68 | 1 | 1 | 17 | 11 |
| Medical sciences | 70 | 40 | 70 | 40 | - | - | - | - |
| Social sciences | 263 | 114 | 226 | 99 | 28 | 10 | 10 | 5 |
| Region Vojvodine | 287 | 76 | 281 | 72 | - | - | 4 | 4 |
| Engineering and technology | 226 | 52 | 223 | 49 | - | - | 3 | 3 |
| Agricultural sciences | 9 | 2 | 9 | 2 | - | - | - | - |
| Medical sciences | 34 | 11 | 34 | 11 | - | - | - | - |
| Social sciences | 18 | 11 | 15 | 10 | - | - | 1 | 1 |
| <i>Tertiary education</i> | 287 | 76 | 281 | 72 | - | - | 4 | 4 |
| Engineering and technology | 226 | 52 | 223 | 49 | - | - | 3 | 3 |
| Agricultural sciences | 9 | 2 | 9 | 2 | - | - | - | - |
| Medical sciences | 34 | 11 | 34 | 11 | - | - | - | - |
| Social sciences | 18 | 11 | 15 | 10 | - | - | 1 | 1 |
| SRBIJA – SOUTH | 470 | 227 | 367 | 165 | 35 | 17 | 68 | 45 |
| Natural sciences, mathematics | 152 | 76 | 140 | 73 | 12 | 4 | - | - |
| Engineering and technology | 86 | 38 | 58 | 23 | 20 | 11 | 8 | 4 |
| Medical sciences | 2 | 1 | 1 | - | - | - | 1 | 1 |
| Social sciences | 219 | 107 | 160 | 67 | - | - | 59 | 40 |
| Humanities | 11 | 5 | 8 | 2 | 3 | 2 | - | - |
| <i>Government sector</i> | 2 | 1 | 1 | - | - | - | 1 | 1 |
| Medical sciences | 2 | 1 | 1 | - | - | - | 1 | 1 |
| <i>Tertiary education</i> | 468 | 226 | 366 | 165 | 35 | 17 | 67 | 44 |
| Natural sciences, mathematics | 152 | 76 | 140 | 73 | 12 | 4 | - | - |
| Engineering and technology | 86 | 38 | 58 | 23 | 20 | 11 | 8 | 4 |
| Social sciences | 219 | 107 | 160 | 67 | - | - | 59 | 40 |
| Humanities | 11 | 5 | 8 | 2 | 3 | 2 | - | - |
| Region Sumadije i Zapadne Srbije | 177 | 92 | 135 | 62 | 9 | 5 | 33 | 25 |
| Natural sciences, mathematics | 34 | 20 | 28 | 18 | 6 | 3 | - | - |
| Engineering and technology | - | - | - | - | - | - | - | - |
| Medical sciences | 2 | 1 | 1 | - | - | - | 1 | 1 |
| Social sciences | 130 | 66 | 98 | 42 | - | - | 32 | 24 |
| Humanities | 11 | 5 | 8 | 2 | 3 | 2 | - | - |
| <i>Government sector</i> | 2 | 1 | 1 | - | - | - | 1 | 1 |
| Medical sciences | 2 | 1 | 1 | - | - | - | 1 | 1 |
| <i>Tertiary education</i> | 175 | 91 | 134 | 62 | 9 | 5 | 32 | 24 |
| Natural sciences, mathematics | 34 | 20 | 28 | 18 | 6 | 3 | - | - |
| Engineering and technology | - | - | - | - | - | - | - | - |
| Social sciences | 130 | 66 | 98 | 42 | - | - | 32 | 24 |
| Humanities | 11 | 5 | 8 | 2 | 3 | 2 | - | - |
| Region Juzne i Istocne Srbije | 293 | 135 | 232 | 103 | 26 | 12 | 35 | 20 |
| Natural sciences, mathematics | 118 | 56 | 112 | 55 | 6 | 1 | - | - |
| Engineering and technology | 86 | 38 | 58 | 23 | 20 | 11 | 8 | 4 |
| Social sciences | 89 | 41 | 62 | 25 | - | - | 27 | 16 |
| <i>Tertiary education</i> | 293 | 135 | 232 | 103 | 26 | 12 | 35 | 20 |
| Natural sciences, mathematics | 118 | 56 | 112 | 55 | 6 | 1 | - | - |
| Engineering and technology | 86 | 38 | 58 | 23 | 20 | 11 | 8 | 4 |
| Social sciences | 89 | 41 | 62 | 25 | - | - | 27 | 16 |
| Region Kosovo i Metohija | ... | ... | ... | ... | ... | ... | ... | ... |

7-1. Research works (projects and studies), by sectors and territory, 2011

| | Value of scientific works, thous. RSD | | | | Number of works | | | |
|---|---------------------------------------|-----------------|----------------|----------------|-----------------|-------------|-------------|-------------|
| | Total | Basic | Applied | Development | Total | Basic | Applied | Development |
| REPUBLIC OF SERBIA | 24683992 | 10360031 | 8332825 | 5991136 | 10698 | 5661 | 2779 | 2258 |
| Business sector | 2316558 | 68284 | 1610874 | 637400 | 498 | 34 | 192 | 272 |
| Government sector | 8336924 | 3558575 | 2622467 | 2155882 | 3400 | 1804 | 1049 | 547 |
| Tertiary education | 13999017 | 6732260 | 4074497 | 3192260 | 6783 | 3822 | 1530 | 1431 |
| Non-profit sector | 31493 | 912 | 24987 | 5594 | 17 | 1 | 8 | 8 |
| SRBIJA – NORTH | 22574521 | 9479003 | 7459206 | 5636312 | 8603 | 4563 | 2390 | 1650 |
| Business sector | 2014581 | 61936 | 1391354 | 561291 | 423 | 32 | 155 | 236 |
| Government sector | 8066538 | 3555985 | 2354671 | 2155882 | 3273 | 1803 | 923 | 547 |
| Tertiary education | 12485081 | 5861082 | 3710454 | 2913545 | 4895 | 2728 | 1308 | 859 |
| Non-profit sector | 8321 | - | 2727 | 5594 | 12 | - | 4 | 8 |
| Beogradski region | 17850962 | 7384192 | 5502536 | 4964234 | 6782 | 3680 | 1658 | 1444 |
| Business sector | 1863233 | 61936 | 1374830 | 426467 | 402 | 32 | 139 | 231 |
| Government sector | 7602280 | 3478893 | 2036781 | 2086606 | 3070 | 1743 | 799 | 528 |
| Tertiary education | 8377128 | 3843363 | 2088198 | 2445567 | 3298 | 1905 | 716 | 677 |
| Non-profit sector | 8321 | - | 2727 | 5594 | 12 | - | 4 | 8 |
| Region Vojvodine | 4723559 | 2094811 | 1956670 | 672078 | 1821 | 883 | 732 | 206 |
| Business sector | 151348 | - | 16524 | 134824 | 21 | - | 16 | 5 |
| Government sector | 464258 | 77092 | 317890 | 69276 | 203 | 60 | 124 | 19 |
| Tertiary education | 4107953 | 2017719 | 1622256 | 467978 | 1597 | 823 | 592 | 182 |
| SRBIJA – SOUTH | 2109471 | 881028 | 873619 | 354824 | 2095 | 1098 | 389 | 608 |
| Business sector | 301977 | 6348 | 219520 | 76109 | 75 | 2 | 37 | 36 |
| Government sector | 270386 | 2590 | 267796 | - | 127 | 1 | 126 | - |
| Tertiary education | 1513936 | 871178 | 364043 | 278715 | 1888 | 1094 | 222 | 572 |
| Non-profit sector | 23172 | 912 | 22260 | - | 5 | 1 | 4 | - |
| Region Sumadije i Zapadne Srbije | 1134346 | 609692 | 434216 | 90438 | 671 | 378 | 236 | 57 |
| Business sector | 243828 | 6348 | 217328 | 20152 | 48 | 2 | 34 | 12 |
| Government sector | 35325 | - | 35325 | - | 97 | - | 97 | - |
| Tertiary education | 832021 | 602432 | 159303 | 70286 | 521 | 375 | 101 | 45 |
| Non-profit sector | 23172 | 912 | 22260 | - | 5 | 1 | 4 | - |
| Region Juzne i Istocne Srbije | 975125 | 271336 | 439403 | 264386 | 1424 | 720 | 153 | 551 |
| Business sector | 58149 | - | 2192 | 55957 | 27 | - | 3 | 24 |
| Government sector | 235061 | 2590 | 232471 | - | 30 | 1 | 29 | - |
| Tertiary education | 681915 | 268746 | 204740 | 208429 | 1367 | 719 | 121 | 527 |
| Region Kosovo i Metohija | ... | ... | ... | ... | ... | ... | ... | ... |

7-2. Research works (projects and studies), by sectors and scientific fields, 2011

| | Value of scientific works, thous. RSD | | | | Number of works | | | |
|-------------------------------|---------------------------------------|-----------------|----------------|----------------|-----------------|-------------|-------------|-------------|
| | Total | Basic | Applied | Development | Total | Basic | Applied | Development |
| REPUBLIC OF SERBIA | 24683992 | 10360031 | 8332825 | 5991136 | 10698 | 5661 | 2779 | 2258 |
| <i>Business sector</i> | 2316558 | 68284 | 1610874 | 637400 | 498 | 34 | 192 | 272 |
| Natural sciences, mathematics | 187220 | - | 30789 | 156431 | 46 | - | 17 | 29 |
| Engineering and technology | 1568074 | 6348 | 1260802 | 300924 | 218 | 2 | 115 | 101 |
| Agricultural sciences | 330055 | 61136 | 121367 | 147552 | 113 | 31 | 22 | 60 |
| Medical sciences | 189928 | - | 181200 | 8728 | 78 | - | 4 | 74 |
| Social sciences | 41281 | 800 | 16716 | 23765 | 43 | 1 | 34 | 8 |
| <i>Government sector</i> | 8336924 | 3558575 | 2622467 | 2155882 | 3400 | 1804 | 1049 | 547 |
| Natural sciences, mathematics | 3368455 | 2242315 | 291980 | 834160 | 1202 | 808 | 140 | 254 |
| Engineering and technology | 1963944 | 47639 | 1088360 | 827945 | 376 | 25 | 195 | 156 |
| Agricultural sciences | 217837 | 160125 | 57712 | - | 77 | 55 | 22 | - |
| Medical sciences | 1552713 | 195930 | 993143 | 363640 | 853 | 119 | 644 | 90 |
| Social sciences | 552465 | 288509 | 133819 | 130137 | 490 | 413 | 30 | 47 |
| Humanities | 681510 | 624057 | 57453 | - | 402 | 384 | 18 | - |
| <i>Tertiary education</i> | 13999017 | 6732260 | 4074497 | 3192260 | 6783 | 3822 | 1530 | 1431 |
| Natural sciences, mathematics | 3085312 | 1573563 | 1052972 | 458777 | 1017 | 517 | 336 | 164 |
| Engineering and technology | 3468199 | 754515 | 1404353 | 1309331 | 1010 | 246 | 409 | 355 |
| Agricultural sciences | 660206 | 584866 | 16266 | 59074 | 248 | 232 | 4 | 12 |
| Medical sciences | 1383130 | 272191 | 430140 | 680799 | 463 | 63 | 308 | 92 |
| Social sciences | 3987804 | 2264328 | 1053784 | 669692 | 2751 | 1609 | 346 | 796 |
| Humanities | 1414366 | 1282797 | 116982 | 14587 | 1294 | 1155 | 127 | 12 |
| <i>Non-profit sector</i> | 31493 | 912 | 24987 | 5594 | 17 | 1 | 8 | 8 |
| Medical sciences | 424 | - | - | 424 | 6 | - | - | 6 |
| Social sciences | 28342 | 912 | 22260 | 5170 | 7 | 1 | 4 | 2 |
| Humanities | 2727 | - | 2727 | - | 4 | - | 4 | - |
| SRBIJA – NORTH | 22574521 | 9479003 | 7459206 | 5636312 | 8603 | 4563 | 2390 | 1650 |
| <i>Business sector</i> | 2014581 | 61936 | 1391354 | 561291 | 423 | 32 | 155 | 236 |
| Natural sciences, mathematics | 175234 | - | 26149 | 149085 | 28 | - | 16 | 12 |
| Engineering and technology | 1460633 | - | 1228337 | 232296 | 179 | - | 95 | 84 |
| Agricultural sciences | 328944 | 61136 | 120256 | 147552 | 112 | 31 | 21 | 60 |
| Medical sciences | 9809 | - | 1200 | 8609 | 75 | - | 2 | 73 |
| Social sciences | 39961 | 800 | 15412 | 23749 | 29 | 1 | 21 | 7 |

7-2. Research works (projects and studies), by sectors and scientific fields, 2011

(continued)

| | Value of scientific works, thous. RSD | | | | Number of works | | | |
|-------------------------------|---------------------------------------|----------------|----------------|----------------|-----------------|-------------|-------------|-------------|
| | Total | Basic | Applied | Development | Total | Basic | Applied | Development |
| <i>Government sector</i> | 8066538 | 3555985 | 2354671 | 2155882 | 3273 | 1803 | 923 | 547 |
| Natural sciences, mathematics | 3368455 | 2242315 | 291980 | 834160 | 1202 | 808 | 140 | 254 |
| Engineering and technology | 1893998 | 45049 | 1021004 | 827945 | 349 | 24 | 169 | 156 |
| Agricultural sciences | 217837 | 160125 | 57712 | - | 77 | 55 | 22 | - |
| Medical sciences | 1352273 | 195930 | 792703 | 363640 | 753 | 119 | 544 | 90 |
| Social sciences | 552465 | 288509 | 133819 | 130137 | 490 | 413 | 30 | 47 |
| Humanities | 681510 | 624057 | 57453 | - | 402 | 384 | 18 | - |
| <i>Tertiary education</i> | 12485081 | 5861082 | 3710454 | 2913545 | 4895 | 2728 | 1308 | 859 |
| Natural sciences, mathematics | 2571057 | 1130439 | 981841 | 458777 | 723 | 276 | 283 | 164 |
| Engineering and technology | 2922815 | 639916 | 1213036 | 1069863 | 725 | 174 | 328 | 223 |
| Agricultural sciences | 532598 | 458121 | 16266 | 58211 | 189 | 174 | 4 | 11 |
| Medical sciences | 1276901 | 254544 | 341558 | 680799 | 443 | 61 | 290 | 92 |
| Social sciences | 3810290 | 2138211 | 1040771 | 631308 | 1529 | 896 | 276 | 357 |
| Humanities | 1371420 | 1239851 | 116982 | 14587 | 1286 | 1147 | 127 | 12 |
| <i>Non-profit sector</i> | 8321 | - | 2727 | 5594 | 12 | - | 4 | 8 |
| Medical sciences | 424 | - | - | 424 | 6 | - | - | 6 |
| Social sciences | 5170 | - | - | 5170 | 2 | - | - | 2 |
| Humanities | 2727 | - | 2727 | - | 4 | - | 4 | - |
| Beogradski region | 17850962 | 7384192 | 5502536 | 4964234 | 6782 | 3680 | 1658 | 1444 |
| <i>Business sector</i> | 1863233 | 61936 | 1374830 | 426467 | 402 | 32 | 139 | 231 |
| Natural sciences, mathematics | 45521 | - | 26149 | 19372 | 24 | - | 16 | 8 |
| Engineering and technology | 1445031 | - | 1212735 | 232296 | 172 | - | 88 | 84 |
| Agricultural sciences | 328944 | 61136 | 120256 | 147552 | 112 | 31 | 21 | 60 |
| Medical sciences | 4698 | - | 1200 | 3498 | 74 | - | 2 | 72 |
| Social sciences | 39039 | 800 | 14490 | 23749 | 20 | 1 | 12 | 7 |
| <i>Government sector</i> | 7602280 | 3478893 | 2036781 | 2086606 | 3070 | 1743 | 799 | 528 |
| Natural sciences, mathematics | 3368455 | 2242315 | 291980 | 834160 | 1202 | 808 | 140 | 254 |
| Engineering and technology | 1794282 | 45049 | 921288 | 827945 | 325 | 24 | 145 | 156 |
| Agricultural sciences | 217837 | 160125 | 57712 | - | 77 | 55 | 22 | - |
| Medical sciences | 987731 | 118838 | 574529 | 294364 | 574 | 59 | 444 | 71 |
| Social sciences | 552465 | 288509 | 133819 | 130137 | 490 | 413 | 30 | 47 |
| Humanities | 681510 | 624057 | 57453 | - | 402 | 384 | 18 | - |
| <i>Tertiary education</i> | 8377128 | 3843363 | 2088198 | 2445567 | 3298 | 1905 | 716 | 677 |
| Natural sciences, mathematics | 1379451 | 723303 | 376111 | 280037 | 603 | 235 | 222 | 146 |
| Engineering and technology | 2023947 | 335111 | 717207 | 971629 | 436 | 95 | 173 | 168 |
| Agricultural sciences | 435268 | 371591 | 5466 | 58211 | 121 | 109 | 1 | 11 |
| Medical sciences | 1049718 | 232180 | 179153 | 638385 | 157 | 44 | 37 | 76 |
| Social sciences | 3053997 | 1770800 | 792104 | 491093 | 1181 | 697 | 215 | 269 |
| Humanities | 434747 | 410378 | 18157 | 6212 | 800 | 725 | 68 | 7 |
| <i>Non-profit sector</i> | 8321 | - | 2727 | 5594 | 12 | - | 4 | 8 |
| Medical sciences | 424 | - | - | 424 | 6 | - | - | 6 |
| Social sciences | 5170 | - | - | 5170 | 2 | - | - | 2 |
| Humanities | 2727 | - | 2727 | - | 4 | - | 4 | - |
| Region Vojvodine | 4723559 | 2094811 | 1956670 | 672078 | 1821 | 883 | 732 | 206 |
| <i>Business sector</i> | 151348 | - | 16524 | 134824 | 21 | - | 16 | 5 |
| Natural sciences, mathematics | 129713 | - | - | 129713 | 4 | - | - | 4 |
| Engineering and technology | 15602 | - | 15602 | - | 7 | - | 7 | - |
| Medical sciences | 5111 | - | - | 5111 | 1 | - | - | 1 |
| Social sciences | 922 | - | 922 | - | 9 | - | 9 | - |
| <i>Government sector</i> | 464258 | 77092 | 317890 | 69276 | 203 | 60 | 124 | 19 |
| Engineering and technology | 99716 | - | 99716 | - | 24 | - | 24 | - |
| Medical sciences | 364542 | 77092 | 218174 | 69276 | 179 | 60 | 100 | 19 |
| <i>Tertiary education</i> | 4107953 | 2017719 | 1622256 | 467978 | 1597 | 823 | 592 | 182 |
| Natural sciences, mathematics | 1191606 | 407136 | 605730 | 178740 | 120 | 41 | 61 | 18 |
| Engineering and technology | 898868 | 304805 | 495829 | 98234 | 289 | 79 | 155 | 55 |
| Agricultural sciences | 97330 | 86530 | 10800 | - | 68 | 65 | 3 | - |
| Medical sciences | 227183 | 22364 | 162405 | 42414 | 286 | 17 | 253 | 16 |
| Social sciences | 756293 | 367411 | 248667 | 140215 | 348 | 199 | 61 | 88 |
| Humanities | 936673 | 829473 | 98825 | 8375 | 486 | 422 | 59 | 5 |
| SRBIJA – SOUTH | 2109471 | 881028 | 873619 | 354824 | 2095 | 1098 | 389 | 608 |
| <i>Business sector</i> | 301977 | 6348 | 219520 | 76109 | 75 | 2 | 37 | 36 |
| Natural sciences, mathematics | 11986 | - | 4640 | 7346 | 18 | - | 1 | 17 |
| Engineering and technology | 107441 | 6348 | 32465 | 68628 | 39 | 2 | 20 | 17 |
| Agricultural sciences | 1111 | - | 1111 | - | 1 | - | 1 | - |
| Medical sciences | 180119 | - | 180000 | 119 | 3 | - | 2 | 1 |
| Social sciences | 1320 | - | 1304 | 16 | 14 | - | 13 | 1 |
| <i>Government sector</i> | 270386 | 2590 | 267796 | - | 127 | 1 | 126 | - |
| Engineering and technology | 69946 | 2590 | 67356 | - | 27 | 1 | 26 | - |
| Medical sciences | 200440 | - | 200440 | - | 100 | - | 100 | - |

7-2. Research works (projects and studies), by sectors and scientific fields, 2011

(continued)

| | Value of scientific works, thous. RSD | | | | Number of works | | | |
|---|---------------------------------------|---------------|---------------|---------------|-----------------|------------|------------|-------------|
| | Total | Basic | Applied | Development | Total | Basic | Applied | Development |
| <i>Tertiary education</i> | 1513936 | 871178 | 364043 | 278715 | 1888 | 1094 | 222 | 572 |
| Natural sciences, mathematics | 514255 | 443124 | 71131 | - | 294 | 241 | 53 | - |
| Engineering and technology | 545384 | 114599 | 191317 | 239468 | 285 | 72 | 81 | 132 |
| Agricultural sciences | 127608 | 126745 | - | 863 | 59 | 58 | - | 1 |
| Medical sciences | 106229 | 17647 | 88582 | - | 20 | 2 | 18 | - |
| Social sciences | 177514 | 126117 | 13013 | 38384 | 1222 | 713 | 70 | 439 |
| Humanities | 42946 | 42946 | - | - | 8 | 8 | - | - |
| <i>Non-profit sector</i> | 23172 | 912 | 22260 | - | 5 | 1 | 4 | - |
| Social sciences | 23172 | 912 | 22260 | - | 5 | 1 | 4 | - |
| Region Sumadije i Zapadne Srbije | 1134346 | 609692 | 434216 | 90438 | 671 | 378 | 236 | 57 |
| <i>Business sector</i> | 243828 | 6348 | 217328 | 20152 | 48 | 2 | 34 | 12 |
| Natural sciences, mathematics | 4640 | - | 4640 | - | 1 | - | 1 | - |
| Engineering and technology | 57765 | 6348 | 31384 | 20033 | 31 | 2 | 18 | 11 |
| Medical sciences | 180119 | - | 180000 | 119 | 3 | - | 2 | 1 |
| Social sciences | 1304 | - | 1304 | - | 13 | - | 13 | - |
| <i>Government sector</i> | 35325 | - | 35325 | - | 97 | - | 97 | - |
| Medical sciences | 35325 | - | 35325 | - | 97 | - | 97 | - |
| <i>Tertiary education</i> | 832021 | 602432 | 159303 | 70286 | 521 | 375 | 101 | 45 |
| Natural sciences, mathematics | 419216 | 375804 | 43412 | - | 174 | 156 | 18 | - |
| Engineering and technology | 128352 | 48638 | 17322 | 62392 | 112 | 35 | 40 | 37 |
| Agricultural sciences | 45723 | 44860 | - | 863 | 53 | 52 | - | 1 |
| Medical sciences | 106229 | 17647 | 88582 | - | 20 | 2 | 18 | - |
| Social sciences | 119041 | 102023 | 9987 | 7031 | 156 | 124 | 25 | 7 |
| Humanities | 13460 | 13460 | - | - | 6 | 6 | - | - |
| <i>Non-profit sector</i> | 23172 | 912 | 22260 | - | 5 | 1 | 4 | - |
| Social sciences | 23172 | 912 | 22260 | - | 5 | 1 | 4 | - |
| Region Juzne i Istocne Srbije | 975125 | 271336 | 439403 | 264386 | 1424 | 720 | 153 | 551 |
| <i>Business sector</i> | 58149 | - | 2192 | 55957 | 27 | - | 3 | 24 |
| Natural sciences, mathematics | 7346 | - | - | 7346 | 17 | - | - | 17 |
| Engineering and technology | 49676 | - | 1081 | 48595 | 8 | - | 2 | 6 |
| Agricultural sciences | 1111 | - | 1111 | - | 1 | - | 1 | - |
| Social sciences | 16 | - | - | 16 | 1 | - | - | 1 |
| <i>Government sector</i> | 235061 | 2590 | 232471 | - | 30 | 1 | 29 | - |
| Engineering and technology | 69946 | 2590 | 67356 | - | 27 | 1 | 26 | - |
| Medical sciences | 165115 | - | 165115 | - | 3 | - | 3 | - |
| <i>Tertiary education</i> | 681915 | 268746 | 204740 | 208429 | 1367 | 719 | 121 | 527 |
| Natural sciences, mathematics | 95039 | 67320 | 27719 | - | 120 | 85 | 35 | - |
| Engineering and technology | 417032 | 65961 | 173995 | 177076 | 173 | 37 | 41 | 95 |
| Agricultural sciences | 81885 | 81885 | - | - | 6 | 6 | - | - |
| Social sciences | 58473 | 24094 | 3026 | 31353 | 1066 | 589 | 45 | 432 |
| Humanities | 29486 | 29486 | - | - | 2 | 2 | - | - |
| Region Kosovo i Metohija | ... | ... | ... | ... | ... | ... | ... | ... |

8-1. R&D works, by ordering parties, scientific fields

| | Ordering parties | | | | | | | |
|-------------------------------|------------------|-----------|------------|-------------|-------------|-------------|-------------|-------------|
| | Enterprises | | | | Ministries | | | |
| | Total | Basic | Applied | Development | Total | Basic | Applied | Development |
| REPUBLIC OF SERBIA | 815 | 53 | 419 | 343 | 7642 | 4688 | 1613 | 1341 |
| <i>Business sector</i> | 55 | - | 18 | 37 | 9 | 1 | 5 | 3 |
| Natural sciences, mathematics | 28 | - | 8 | 20 | - | - | - | - |
| Engineering and technology | 23 | - | 10 | 13 | 9 | 1 | 5 | 3 |
| Agricultural sciences | 4 | - | - | 4 | - | - | - | - |
| Medical sciences | - | - | - | - | - | - | - | - |
| Social sciences | - | - | - | - | - | - | - | - |
| <i>Government sector</i> | 178 | 5 | 119 | 54 | 2756 | 1534 | 775 | 447 |
| Natural sciences, mathematics | 29 | - | 21 | 8 | 969 | 611 | 112 | 246 |
| Engineering and technology | 110 | - | 73 | 37 | 201 | 18 | 89 | 94 |
| Agricultural sciences | - | - | - | - | 67 | 45 | 22 | - |
| Medical sciences | 31 | - | 25 | 6 | 684 | 104 | 511 | 69 |
| Social sciences | 4 | 1 | - | 3 | 473 | 410 | 25 | 38 |
| Humanities | 4 | 4 | - | - | 362 | 346 | 16 | - |
| <i>Tertiary education</i> | 582 | 48 | 282 | 252 | 4874 | 3152 | 831 | 891 |
| Natural sciences, mathematics | 338 | 39 | 175 | 124 | 561 | 421 | 104 | 36 |
| Engineering and technology | 219 | 8 | 90 | 121 | 735 | 238 | 286 | 211 |
| Agricultural sciences | - | - | - | - | 188 | 176 | 1 | 11 |
| Medical sciences | 4 | 1 | - | 3 | 254 | 50 | 130 | 74 |
| Social sciences | 21 | - | 17 | 4 | 1930 | 1193 | 185 | 552 |
| Humanities | - | - | - | - | 1206 | 1074 | 125 | 7 |
| <i>Non-profit sector</i> | - | - | - | - | 3 | 1 | 2 | - |
| Medical sciences | - | - | - | - | - | - | - | - |
| Social sciences | - | - | - | - | 1 | 1 | - | - |
| Humanities | - | - | - | - | 2 | - | 2 | - |
| SRBIJA – NORTH | 770 | 53 | 408 | 309 | 5932 | 3759 | 1315 | 858 |
| <i>Business sector</i> | 34 | - | 15 | 19 | 4 | - | 2 | 2 |
| Natural sciences, mathematics | 11 | - | 8 | 3 | - | - | - | - |
| Engineering and technology | 19 | - | 7 | 12 | 4 | - | 2 | 2 |
| Agricultural sciences | 4 | - | - | 4 | - | - | - | - |
| Medical sciences | - | - | - | - | - | - | - | - |
| Social sciences | - | - | - | - | - | - | - | - |
| <i>Government sector</i> | 178 | 5 | 119 | 54 | 2633 | 1533 | 653 | 447 |
| Natural sciences, mathematics | 29 | - | 21 | 8 | 969 | 611 | 112 | 246 |
| Engineering and technology | 110 | - | 73 | 37 | 174 | 17 | 63 | 94 |
| Agricultural sciences | - | - | - | - | 67 | 45 | 22 | - |
| Medical sciences | 31 | - | 25 | 6 | 588 | 104 | 415 | 69 |
| Social sciences | 4 | 1 | - | 3 | 473 | 410 | 25 | 38 |
| Humanities | 4 | 4 | - | - | 362 | 346 | 16 | - |
| <i>Tertiary education</i> | 558 | 48 | 274 | 236 | 3293 | 2226 | 658 | 409 |
| Natural sciences, mathematics | 338 | 39 | 175 | 124 | 297 | 195 | 66 | 36 |
| Engineering and technology | 195 | 8 | 82 | 105 | 503 | 166 | 220 | 117 |
| Agricultural sciences | - | - | - | - | 177 | 165 | 1 | 11 |
| Medical sciences | 4 | 1 | - | 3 | 234 | 48 | 112 | 74 |
| Social sciences | 21 | - | 17 | 4 | 884 | 586 | 134 | 164 |
| Humanities | - | - | - | - | 1198 | 1066 | 125 | 7 |
| <i>Non-profit sector</i> | - | - | - | - | 2 | - | 2 | - |
| Medical sciences | - | - | - | - | - | - | - | - |
| Social sciences | - | - | - | - | - | - | - | - |
| Humanities | - | - | - | - | 2 | - | 2 | - |
| Beogradski region | 705 | 53 | 364 | 288 | 4709 | 3066 | 892 | 751 |
| <i>Business sector</i> | 33 | - | 14 | 19 | 4 | - | 2 | 2 |
| Natural sciences, mathematics | 11 | - | 8 | 3 | - | - | - | - |
| Engineering and technology | 18 | - | 6 | 12 | 4 | - | 2 | 2 |
| Agricultural sciences | 4 | - | - | 4 | - | - | - | - |
| Medical sciences | - | - | - | - | - | - | - | - |
| Social sciences | - | - | - | - | - | - | - | - |
| <i>Government sector</i> | 172 | 5 | 113 | 54 | 2466 | 1473 | 557 | 436 |
| Natural sciences, mathematics | 29 | - | 21 | 8 | 969 | 611 | 112 | 246 |
| Engineering and technology | 104 | - | 67 | 37 | 169 | 17 | 58 | 94 |
| Agricultural sciences | - | - | - | - | 67 | 45 | 22 | - |
| Medical sciences | 31 | - | 25 | 6 | 426 | 44 | 324 | 58 |
| Social sciences | 4 | 1 | - | 3 | 473 | 410 | 25 | 38 |
| Humanities | 4 | 4 | - | - | 362 | 346 | 16 | - |
| <i>Tertiary education</i> | 500 | 48 | 237 | 215 | 2237 | 1593 | 331 | 313 |
| Natural sciences, mathematics | 338 | 39 | 175 | 124 | 198 | 154 | 26 | 18 |
| Engineering and technology | 140 | 8 | 47 | 85 | 269 | 87 | 100 | 82 |
| Agricultural sciences | - | - | - | - | 121 | 109 | 1 | 11 |
| Medical sciences | 4 | 1 | - | 3 | 129 | 39 | 32 | 58 |
| Social sciences | 18 | - | 15 | 3 | 721 | 480 | 104 | 137 |
| Humanities | - | - | - | - | 799 | 724 | 68 | 7 |

and type of research, 2011

| Ordering parties | | | | | | | | |
|------------------|------------|------------|-------------|-------------|------------|------------|-------------|-------------------------------|
| Other | | | | From abroad | | | | |
| Total | Basic | Applied | Development | Total | Basic | Applied | Development | |
| 1487 | 547 | 494 | 446 | 752 | 373 | 253 | 126 | REPUBLIC OF SERBIA |
| 336 | 32 | 141 | 163 | 96 | 1 | 28 | 67 | <i>Business sector</i> |
| 13 | - | 7 | 6 | 5 | - | 2 | 3 | Natural sciences, mathematics |
| 171 | - | 96 | 75 | 15 | 1 | 4 | 10 | Engineering and technology |
| 33 | 31 | 2 | - | 74 | - | 20 | 54 | Agricultural sciences |
| 76 | - | 2 | 74 | 2 | - | 2 | - | Medical sciences |
| 43 | 1 | 34 | 8 | - | - | - | - | Social sciences |
| 155 | 20 | 99 | 36 | 311 | 245 | 56 | 10 | <i>Government sector</i> |
| 3 | 3 | - | - | 201 | 194 | 7 | - | Natural sciences, mathematics |
| 45 | 7 | 15 | 23 | 20 | - | 18 | 2 | Engineering and technology |
| - | - | - | - | 10 | 10 | - | - | Agricultural sciences |
| 95 | 3 | 79 | 13 | 43 | 12 | 29 | 2 | Medical sciences |
| 3 | - | 3 | - | 10 | 2 | 2 | 6 | Social sciences |
| 9 | 7 | 2 | - | 27 | 27 | - | - | Humanities |
| 988 | 495 | 254 | 239 | 339 | 127 | 163 | 49 | <i>Tertiary education</i> |
| 29 | 11 | 17 | 1 | 89 | 46 | 40 | 3 | Natural sciences, mathematics |
| 5 | - | - | 5 | 51 | - | 33 | 18 | Engineering and technology |
| 59 | 55 | 3 | 1 | 1 | 1 | - | - | Agricultural sciences |
| 119 | 9 | 108 | 2 | 86 | 3 | 70 | 13 | Medical sciences |
| 756 | 407 | 124 | 225 | 44 | 9 | 20 | 15 | Social sciences |
| 20 | 13 | 2 | 5 | 68 | 68 | - | - | Humanities |
| 8 | - | - | 8 | 6 | - | 6 | - | <i>Non-profit sector</i> |
| 6 | - | - | 6 | - | - | - | - | Medical sciences |
| 2 | - | - | 2 | 4 | - | 4 | - | Social sciences |
| - | - | - | - | 2 | - | 2 | - | Humanities |
| 1219 | 396 | 448 | 375 | 680 | 355 | 219 | 106 | SRBIJA – NORTH |
| 293 | 32 | 113 | 148 | 90 | - | 25 | 65 | <i>Business sector</i> |
| 12 | - | 6 | 6 | 5 | - | 2 | 3 | Natural sciences, mathematics |
| 145 | - | 83 | 62 | 11 | - | 3 | 8 | Engineering and technology |
| 32 | 31 | 1 | - | 74 | - | 20 | 54 | Agricultural sciences |
| 75 | - | 2 | 73 | - | - | - | - | Medical sciences |
| 29 | 1 | 21 | 7 | - | - | - | - | Social sciences |
| 155 | 20 | 99 | 36 | 307 | 245 | 52 | 10 | <i>Government sector</i> |
| 3 | 3 | - | - | 201 | 194 | 7 | - | Natural sciences, mathematics |
| 45 | 7 | 15 | 23 | 20 | - | 18 | 2 | Engineering and technology |
| - | - | - | - | 10 | 10 | - | - | Agricultural sciences |
| 95 | 3 | 79 | 13 | 39 | 12 | 25 | 2 | Medical sciences |
| 3 | - | 3 | - | 10 | 2 | 2 | 6 | Social sciences |
| 9 | 7 | 2 | - | 27 | 27 | - | - | Humanities |
| 763 | 344 | 236 | 183 | 281 | 110 | 140 | 31 | <i>Tertiary education</i> |
| 27 | 10 | 16 | 1 | 61 | 32 | 26 | 3 | Natural sciences, mathematics |
| - | - | - | - | 27 | - | 26 | 1 | Engineering and technology |
| 12 | 9 | 3 | - | - | - | - | - | Agricultural sciences |
| 119 | 9 | 108 | 2 | 86 | 3 | 70 | 13 | Medical sciences |
| 585 | 303 | 107 | 175 | 39 | 7 | 18 | 14 | Social sciences |
| 20 | 13 | 2 | 5 | 68 | 68 | - | - | Humanities |
| 8 | - | - | 8 | 2 | - | 2 | - | <i>Non-profit sector</i> |
| 6 | - | - | 6 | - | - | - | - | Medical sciences |
| 2 | - | - | 2 | - | - | - | - | Social sciences |
| - | - | - | - | 2 | - | 2 | - | Humanities |
| 864 | 282 | 283 | 299 | 502 | 279 | 119 | 104 | Beogradski region |
| 276 | 32 | 101 | 143 | 87 | - | 22 | 65 | <i>Business sector</i> |
| 8 | - | 6 | 2 | 5 | - | 2 | 3 | Natural sciences, mathematics |
| 142 | - | 80 | 62 | 8 | - | - | 8 | Engineering and technology |
| 32 | 31 | 1 | - | 74 | - | 20 | 54 | Agricultural sciences |
| 74 | - | 2 | 72 | - | - | - | - | Medical sciences |
| 20 | 1 | 12 | 7 | - | - | - | - | Social sciences |
| 137 | 20 | 89 | 28 | 295 | 245 | 40 | 10 | <i>Government sector</i> |
| 3 | 3 | - | - | 201 | 194 | 7 | - | Natural sciences, mathematics |
| 38 | 7 | 8 | 23 | 14 | - | 12 | 2 | Engineering and technology |
| - | - | - | - | 10 | 10 | - | - | Agricultural sciences |
| 84 | 3 | 76 | 5 | 33 | 12 | 19 | 2 | Medical sciences |
| 3 | - | 3 | - | 10 | 2 | 2 | 6 | Social sciences |
| 9 | 7 | 2 | - | 27 | 27 | - | - | Humanities |
| 443 | 230 | 93 | 120 | 118 | 34 | 55 | 29 | <i>Tertiary education</i> |
| 19 | 10 | 8 | 1 | 48 | 32 | 13 | 3 | Natural sciences, mathematics |
| - | - | - | - | 27 | - | 26 | 1 | Engineering and technology |
| - | - | - | - | - | - | - | - | Agricultural sciences |
| 5 | 3 | - | 2 | 19 | 1 | 5 | 13 | Medical sciences |
| 418 | 216 | 85 | 117 | 24 | 1 | 11 | 12 | Social sciences |
| 1 | 1 | - | - | - | - | - | - | Humanities |

8-1. R&D works, by ordering parties, scientific fields

| | Ordering parties | | | | | | | |
|---|------------------|-------|-----------|-------------|-------------|------------|------------|-------------|
| | Enterprises | | | | Ministries | | | |
| | Total | Basis | Applied | Development | Total | Basis | Applied | Development |
| <i>Non-profit sector</i> | - | - | - | - | 2 | - | 2 | - |
| Medical sciences | - | - | - | - | - | - | - | - |
| Social sciences | - | - | - | - | - | - | - | - |
| Humanities | - | - | - | - | 2 | - | 2 | - |
| Region Vojvodine | 65 | - | 44 | 21 | 1223 | 693 | 423 | 107 |
| <i>Business sector</i> | 1 | - | 1 | - | - | - | - | - |
| Natural sciences, mathematics | - | - | - | - | - | - | - | - |
| Engineering and technology | 1 | - | 1 | - | - | - | - | - |
| Medical sciences | - | - | - | - | - | - | - | - |
| Social sciences | - | - | - | - | - | - | - | - |
| <i>Government sector</i> | 6 | - | 6 | - | 167 | 60 | 96 | 11 |
| Engineering and technology | 6 | - | 6 | - | 5 | - | 5 | - |
| Medical sciences | - | - | - | - | 162 | 60 | 91 | 11 |
| <i>Tertiary education</i> | 58 | - | 37 | 21 | 1056 | 633 | 327 | 96 |
| Natural sciences, mathematics | - | - | - | - | 99 | 41 | 40 | 18 |
| Engineering and technology | 55 | - | 35 | 20 | 234 | 79 | 120 | 35 |
| Agricultural sciences | - | - | - | - | 56 | 56 | - | - |
| Medical sciences | - | - | - | - | 105 | 9 | 80 | 16 |
| Social sciences | 3 | - | 2 | 1 | 163 | 106 | 30 | 27 |
| Humanities | - | - | - | - | 399 | 342 | 57 | - |
| SRBIJA – SOUTH | 45 | - | 11 | 34 | 1710 | 929 | 298 | 483 |
| <i>Business sector</i> | 21 | - | 3 | 18 | 5 | 1 | 3 | 1 |
| Natural sciences, mathematics | 17 | - | - | 17 | - | - | - | - |
| Engineering and technology | 4 | - | 3 | 1 | 5 | 1 | 3 | 1 |
| Agricultural sciences | - | - | - | - | - | - | - | - |
| Medical sciences | - | - | - | - | - | - | - | - |
| Social sciences | - | - | - | - | - | - | - | - |
| <i>Government sector</i> | - | - | - | - | 123 | 1 | 122 | - |
| Engineering and technology | - | - | - | - | 27 | 1 | 26 | - |
| Medical sciences | - | - | - | - | 96 | - | 96 | - |
| <i>Tertiary education</i> | 24 | - | 8 | 16 | 1581 | 926 | 173 | 482 |
| Natural sciences, mathematics | - | - | - | - | 264 | 226 | 38 | - |
| Engineering and technology | 24 | - | 8 | 16 | 232 | 72 | 66 | 94 |
| Agricultural sciences | - | - | - | - | 11 | 11 | - | - |
| Medical sciences | - | - | - | - | 20 | 2 | 18 | - |
| Social sciences | - | - | - | - | 1046 | 607 | 51 | 388 |
| Humanities | - | - | - | - | 8 | 8 | - | - |
| <i>Non-profit sector</i> | - | - | - | - | 1 | 1 | - | - |
| Social sciences | - | - | - | - | 1 | 1 | - | - |
| Region Sumadije i Zapadne Srbije | 3 | - | 2 | 1 | 530 | 314 | 190 | 26 |
| <i>Non-financial</i> | 3 | - | 2 | 1 | 5 | 1 | 3 | 1 |
| Natural sciences, mathematics | - | - | - | - | - | - | - | - |
| Engineering and technology | 3 | - | 2 | 1 | 5 | 1 | 3 | 1 |
| Medical sciences | - | - | - | - | - | - | - | - |
| Social sciences | - | - | - | - | - | - | - | - |
| <i>Government sector</i> | - | - | - | - | 94 | - | 94 | - |
| Medical sciences | - | - | - | - | 94 | - | 94 | - |
| <i>Tertiary education</i> | - | - | - | - | 430 | 312 | 93 | 25 |
| Natural sciences, mathematics | - | - | - | - | 174 | 156 | 18 | - |
| Engineering and technology | - | - | - | - | 99 | 35 | 40 | 24 |
| Agricultural sciences | - | - | - | - | 5 | 5 | - | - |
| Medical sciences | - | - | - | - | 20 | 2 | 18 | - |
| Social sciences | - | - | - | - | 126 | 108 | 17 | 1 |
| Humanities | - | - | - | - | 6 | 6 | - | - |
| <i>Non-profit sector</i> | - | - | - | - | 1 | 1 | - | - |
| Social sciences | - | - | - | - | 1 | 1 | - | - |
| Region Juzne i Istocne Srbije | 42 | - | 9 | 33 | 1180 | 615 | 108 | 457 |
| <i>Business sector</i> | 18 | - | 1 | 17 | - | - | - | - |
| Natural sciences, mathematics | 17 | - | - | 17 | - | - | - | - |
| Engineering and technology | 1 | - | 1 | - | - | - | - | - |
| Agricultural sciences | - | - | - | - | - | - | - | - |
| Social sciences | - | - | - | - | - | - | - | - |
| <i>Government sector</i> | - | - | - | - | 29 | 1 | 28 | - |
| Engineering and technology | - | - | - | - | 27 | 1 | 26 | - |
| Medical sciences | - | - | - | - | 2 | - | 2 | - |
| <i>Tertiary education</i> | 24 | - | 8 | 16 | 1151 | 614 | 80 | 457 |
| Natural sciences, mathematics | - | - | - | - | 90 | 70 | 20 | - |
| Engineering and technology | 24 | - | 8 | 16 | 133 | 37 | 26 | 70 |
| Agricultural sciences | - | - | - | - | 6 | 6 | - | - |
| Social sciences | - | - | - | - | 920 | 499 | 34 | 387 |
| Humanities | - | - | - | - | 2 | 2 | - | - |
| Region Kosovo i Metohija | ... | ... | ... | ... | ... | ... | ... | ... |

and type of research, 2011. (continued)

| Ordering parties | | | | | | | | |
|--------------------|-------|---------|--------------------|-------------|---------------|---------|-------------|---|
| Other | | | | From abroad | | | | |
| Total | Basis | Applied | Development | Total | Basis | Applied | Development | |
| 8 | - | - | 8 | 2 | - | - | 2 | - Non-profit sector |
| 6 | - | - | 6 | - | - | - | - | - Medical sciences |
| 2 | - | - | 2 | - | - | - | - | - Social sciences |
| - | - | - | - | 2 | - | - | 2 | - Humanities |
| 355 114 165 | | | 76 178 | | 76 100 | | | 2 Region Vojvodine |
| 17 | - | 12 | 5 | 3 | - | - | 3 | - Business sector |
| 4 | - | - | 4 | - | - | - | - | - Natural sciences, mathematics |
| 3 | - | 3 | - | 3 | - | - | 3 | - Engineering and technology |
| 1 | - | - | 1 | - | - | - | - | - Medical sciences |
| 9 | - | 9 | - | - | - | - | - | - Social sciences |
| 18 | - | 10 | 8 | 12 | - | - | 12 | - Government sector |
| 7 | - | 7 | - | 6 | - | - | 6 | - Engineering and technology |
| 11 | - | 3 | 8 | 6 | - | - | 6 | - Medical sciences |
| 320 | 114 | 143 | 63 | 163 | 76 | 85 | | 2 Tertiary education |
| 8 | - | 8 | - | 13 | - | - | 13 | - Natural sciences, mathematics |
| - | - | - | - | - | - | - | - | - Engineering and technology |
| 12 | 9 | 3 | - | - | - | - | - | - Agricultural sciences |
| 114 | 6 | 108 | - | 67 | 2 | 65 | | - Medical sciences |
| 167 | 87 | 22 | 58 | 15 | 6 | 7 | | 2 Social sciences |
| 19 | 12 | 2 | 5 | 68 | 68 | - | | - Humanities |
| 268 | 151 | 46 | 71 | 72 | 18 | 34 | | 20 SRBIJA – SOUTH |
| 43 | - | 28 | 15 | 6 | 1 | 3 | | 2 Business sector |
| 1 | - | 1 | - | - | - | - | - | - Natural sciences, mathematics |
| 26 | - | 13 | 13 | 4 | 1 | 1 | | 2 Engineering and technology |
| 1 | - | 1 | - | - | - | - | - | - Agricultural sciences |
| 1 | - | - | 1 | 2 | - | - | 2 | - Medical sciences |
| 14 | - | 13 | 1 | - | - | - | - | - Social sciences |
| - | - | - | - | 4 | - | - | 4 | - Government sector |
| - | - | - | - | - | - | - | - | - Engineering and technology |
| - | - | - | - | 4 | - | - | 4 | - Medical sciences |
| 225 | 151 | 18 | 56 | 58 | 17 | 23 | | 18 Tertiary education |
| 2 | 1 | 1 | - | 28 | 14 | 14 | | - Natural sciences, mathematics |
| 5 | - | - | 5 | 24 | - | 7 | | 17 Engineering and technology |
| 47 | 46 | - | 1 | 1 | 1 | - | | - Agricultural sciences |
| - | - | - | - | - | - | - | - | - Medical sciences |
| 171 | 104 | 17 | 50 | 5 | 2 | 2 | | 1 Social sciences |
| - | - | - | - | - | - | - | - | - Humanities |
| - | - | - | - | 4 | - | - | 4 | - Non-profit sector |
| - | - | - | - | 4 | - | - | 4 | - Social sciences |
| 113 60 32 | | | 21 25 | | 4 12 | | | 9 Region Sumadije i Zapadne Srbije |
| 36 | - | 26 | 10 | 4 | 1 | 3 | | - Business sector |
| 1 | - | 1 | - | - | - | - | - | - Natural sciences, mathematics |
| 21 | - | 12 | 9 | 2 | 1 | 1 | | - Engineering and technology |
| 1 | - | - | 1 | 2 | - | 2 | | - Medical sciences |
| 13 | - | 13 | - | - | - | - | - | - Social sciences |
| - | - | - | - | 3 | - | 3 | | - Government sector |
| - | - | - | - | 3 | - | 3 | | - Medical sciences |
| 77 | 60 | 6 | 11 | 14 | 3 | 2 | | 9 Tertiary education |
| - | - | - | - | - | - | - | - | - Natural sciences, mathematics |
| 5 | - | - | 5 | 8 | - | - | | 8 Engineering and technology |
| 47 | 46 | - | 1 | 1 | 1 | - | | - Agricultural sciences |
| - | - | - | - | - | - | - | - | - Medical sciences |
| 25 | 14 | 6 | 5 | 5 | 2 | 2 | | 1 Social sciences |
| - | - | - | - | - | - | - | - | - Humanities |
| - | - | - | - | 4 | - | - | 4 | - Non-profit sector |
| - | - | - | - | 4 | - | - | 4 | - Social sciences |
| 155 91 14 | | | 50 47 14 22 | | | | | 11 Region Juzne i Istocne Srbije |
| 7 | - | 2 | 5 | 2 | - | - | | 2 Business sector |
| - | - | - | - | - | - | - | - | - Natural sciences, mathematics |
| 5 | - | 1 | 4 | 2 | - | - | | 2 Engineering and technology |
| 1 | - | 1 | - | - | - | - | - | - Agricultural sciences |
| 1 | - | - | 1 | - | - | - | - | - Social sciences |
| - | - | - | - | 1 | - | - | 1 | - Government sector |
| - | - | - | - | - | - | - | - | - Engineering and technology |
| - | - | - | - | 1 | - | - | 1 | - Medical sciences |
| 148 | 91 | 12 | 45 | 44 | 14 | 21 | | 9 Tertiary education |
| 2 | 1 | 1 | - | 28 | 14 | 14 | | - Natural sciences, mathematics |
| - | - | - | - | 16 | - | 7 | | 9 Engineering and technology |
| - | - | - | - | - | - | - | - | - Agricultural sciences |
| 146 | 90 | 11 | 45 | - | - | - | | - Social sciences |
| - | - | - | - | - | - | - | - | - Humanities |
| | | | | | | | | ... Region Kosovo i Metohija |

9-1. Published R&D works, inventions and patents, by scientific fields, 2011

| | Published R&D works | | | | Inventions and patents | | | | | |
|-------------------------------|---------------------|------------------|--|----------------------|------------------------|------------------------------|---------------------------------|-----------------------------|----------|--|
| | Total | Published in | | | Tested inventions | Patents | | Inventions and patents sold | | Inventions and patents used for the first time in practice |
| | | Own publications | Other publications of the Republic of Serbia | Foreign publications | | Pending in the Patent Office | Registered in the Patent Office | In the Republic of Serbia | Abroad | |
| REPUBLIC OF SERBIA | 23198 | 5248 | 9815 | 8373 | 49 | 52 | 12 | 27 | 3 | 29 |
| <i>Business sector</i> | 141 | 29 | 40 | 72 | - | - | - | - | - | - |
| Natural sciences, mathematics | 15 | 6 | 9 | - | - | - | - | - | - | - |
| Engineering and technology | 121 | 23 | 26 | 72 | - | - | - | - | - | - |
| Social sciences | 5 | - | 5 | - | - | - | - | - | - | - |
| <i>Government sector</i> | 5837 | 1290 | 2449 | 2213 | 10 | 16 | 4 | 2 | - | 4 |
| Natural sciences, mathematics | 1585 | 238 | 260 | 1087 | - | 2 | - | 2 | - | - |
| Engineering and technology | 686 | 179 | 303 | 204 | - | - | - | - | - | - |
| Agricultural sciences | 90 | 14 | 12 | 64 | - | - | - | - | - | - |
| Medical sciences | 1357 | 176 | 753 | 428 | 10 | 14 | 4 | - | - | 4 |
| Social sciences | 988 | 308 | 570 | 235 | - | - | - | - | - | - |
| Humanities | 1131 | 375 | 551 | 195 | - | - | - | - | - | - |
| <i>Tertiary education</i> | 17207 | 3922 | 7322 | 6086 | 39 | 36 | 8 | 25 | 3 | 25 |
| Natural sciences, mathematics | 1649 | 226 | 785 | 638 | 1 | 1 | 4 | 3 | - | 3 |
| Engineering and technology | 3996 | 557 | 1362 | 2095 | 15 | 12 | 3 | 22 | 3 | 21 |
| Agricultural sciences | 1539 | 28 | 468 | 1043 | - | - | - | - | - | - |
| Medical sciences | 784 | 225 | 342 | 217 | 22 | 22 | - | - | - | - |
| Social sciences | 6584 | 2186 | 2932 | 1571 | 1 | 1 | 1 | - | - | 1 |
| Humanities | 2655 | 700 | 1433 | 522 | - | - | - | - | - | - |
| <i>Non-profit sector</i> | 13 | 7 | 4 | 2 | - | - | - | - | - | - |
| Medical sciences | 6 | 6 | - | - | - | - | - | - | - | - |
| Social sciences | 2 | - | 2 | - | - | - | - | - | - | - |
| Humanities | 5 | 1 | 2 | 2 | - | - | - | - | - | - |
| SRBIJA – NORTH | 17972 | 4070 | 7701 | 6422 | 36 | 46 | 6 | 27 | 3 | 20 |
| <i>Business sector</i> | 54 | 29 | 21 | 4 | - | - | - | - | - | - |
| Natural sciences, mathematics | 15 | 6 | 9 | - | - | - | - | - | - | - |
| Engineering and technology | 39 | 23 | 12 | 4 | - | - | - | - | - | - |
| <i>Government sector</i> | 5681 | 1237 | 2398 | 2161 | 6 | 16 | - | 2 | - | - |
| Natural sciences, mathematics | 1585 | 238 | 260 | 1087 | - | 2 | - | 2 | - | - |
| Engineering and technology | 620 | 133 | 293 | 194 | - | - | - | - | - | - |
| Agricultural sciences | 90 | 14 | 12 | 64 | - | - | - | - | - | - |
| Medical sciences | 1267 | 169 | 712 | 386 | 6 | 14 | - | - | - | - |
| Social sciences | 988 | 308 | 570 | 235 | - | - | - | - | - | - |
| Humanities | 1131 | 375 | 551 | 195 | - | - | - | - | - | - |
| <i>Tertiary education</i> | 12224 | 2797 | 5278 | 4255 | 30 | 30 | 6 | 25 | 3 | 20 |
| Natural sciences, mathematics | 1527 | 175 | 743 | 609 | 1 | 1 | 4 | 3 | - | 3 |
| Engineering and technology | 1871 | 243 | 632 | 996 | 7 | 7 | 2 | 22 | 3 | 17 |
| Agricultural sciences | 1326 | 14 | 441 | 871 | - | - | - | - | - | - |
| Medical sciences | 638 | 178 | 283 | 177 | 22 | 22 | - | - | - | - |
| Social sciences | 4723 | 1497 | 2113 | 1219 | - | - | - | - | - | - |
| Humanities | 2139 | 690 | 1066 | 383 | - | - | - | - | - | - |
| <i>Non-profit sector</i> | 13 | 7 | 4 | 2 | - | - | - | - | - | - |
| Medical sciences | 6 | 6 | - | - | - | - | - | - | - | - |
| Social sciences | 2 | - | 2 | - | - | - | - | - | - | - |
| Humanities | 5 | 1 | 2 | 2 | - | - | - | - | - | - |
| Beogradski region | 12459 | 3016 | 5335 | 4329 | 4 | 5 | 5 | 5 | - | 3 |
| <i>Business sector</i> | 45 | 29 | 15 | 1 | - | - | - | - | - | - |
| Natural sciences, mathematics | 10 | 6 | 4 | - | - | - | - | - | - | - |
| Engineering and technology | 35 | 23 | 11 | 1 | - | - | - | - | - | - |
| <i>Government sector</i> | 5009 | 1193 | 1957 | 1974 | - | 2 | - | 2 | - | - |
| Natural sciences, mathematics | 1585 | 238 | 260 | 1087 | - | 2 | - | 2 | - | - |
| Engineering and technology | 574 | 119 | 288 | 167 | - | - | - | - | - | - |
| Agricultural sciences | 90 | 14 | 12 | 64 | - | - | - | - | - | - |
| Medical sciences | 641 | 139 | 276 | 226 | - | - | - | - | - | - |
| Social sciences | 988 | 308 | 570 | 235 | - | - | - | - | - | - |
| Humanities | 1131 | 375 | 551 | 195 | - | - | - | - | - | - |
| <i>Tertiary education</i> | 7392 | 1787 | 3359 | 2352 | 4 | 3 | 5 | 3 | - | 3 |
| Natural sciences, mathematics | 1050 | 152 | 585 | 313 | 1 | 1 | 4 | 3 | - | 3 |
| Engineering and technology | 764 | 100 | 409 | 255 | 3 | 2 | 1 | - | - | - |
| Agricultural sciences | 983 | 2 | 300 | 681 | - | - | - | - | - | - |
| Medical sciences | 274 | 70 | 159 | 45 | - | - | - | - | - | - |
| Social sciences | 3238 | 1062 | 1432 | 850 | - | - | - | - | - | - |
| Humanities | 1083 | 401 | 474 | 208 | - | - | - | - | - | - |
| <i>Non-profit sector</i> | 13 | 7 | 4 | 2 | - | - | - | - | - | - |
| Medical sciences | 6 | 6 | - | - | - | - | - | - | - | - |
| Social sciences | 2 | - | 2 | - | - | - | - | - | - | - |
| Humanities | 5 | 1 | 2 | 2 | - | - | - | - | - | - |

9-1. Published R&D works, inventions and patents, by scientific fields, 2011

(continued)

| | Published R&D works | | | | Inventions and patents | | | | | |
|---|---------------------|------------------|--|----------------------|------------------------|------------------------------|---------------------------------|-----------------------------|------------|--|
| | Total | Published in | | | Tested inventions | Patents | | Inventions and patents sold | | Inventions and patents used for the first time in practice |
| | | Own publications | Other publications of the Republic of Serbia | Foreign publications | | Pending in the Patent Office | Registered in the Patent Office | In the Republic of Serbia | Abroad | |
| Region Vojvodine | 5513 | 1054 | 2366 | 2093 | 32 | 41 | 1 | 22 | 3 | 17 |
| <i>Business sector</i> | 9 | - | 6 | 3 | - | - | - | - | - | - |
| Natural sciences, mathematics | 5 | - | 5 | - | - | - | - | - | - | - |
| Engineering and technology | 4 | - | 1 | 3 | - | - | - | - | - | - |
| <i>Government sector</i> | 672 | 44 | 441 | 187 | 6 | 14 | - | - | - | - |
| Engineering and technology | 46 | 14 | 5 | 27 | - | - | - | - | - | - |
| Medical sciences | 626 | 30 | 436 | 160 | 6 | 14 | - | - | - | - |
| <i>Tertiary education</i> | 4832 | 1010 | 1919 | 1903 | 26 | 27 | 1 | 22 | 3 | 17 |
| Natural sciences, mathematics | 477 | 23 | 158 | 296 | - | - | - | - | - | - |
| Engineering and technology | 1107 | 143 | 223 | 741 | 4 | 5 | 1 | 22 | 3 | 17 |
| Agricultural sciences | 343 | 12 | 141 | 190 | - | - | - | - | - | - |
| Medical sciences | 364 | 108 | 124 | 132 | 22 | 22 | - | - | - | - |
| Social sciences | 1485 | 435 | 681 | 369 | - | - | - | - | - | - |
| Humanities | 1056 | 289 | 592 | 175 | - | - | - | - | - | - |
| SRBIJA – SOUTH | 5226 | 1178 | 2114 | 1951 | 13 | 6 | 6 | - | - | 9 |
| <i>Business sector</i> | 87 | - | 19 | 68 | - | - | - | - | - | - |
| Engineering and technology | 82 | - | 14 | 68 | - | - | - | - | - | - |
| Social sciences | 5 | - | 5 | - | - | - | - | - | - | - |
| <i>Government sector</i> | 156 | 53 | 51 | 52 | 4 | - | 4 | - | - | 4 |
| Engineering and technology | 66 | 46 | 10 | 10 | - | - | - | - | - | - |
| Medical sciences | 90 | 7 | 41 | 42 | 4 | - | 4 | - | - | 4 |
| <i>Tertiary education</i> | 4983 | 1125 | 2044 | 1831 | 9 | 6 | 2 | - | - | 5 |
| Natural sciences, mathematics | 122 | 51 | 42 | 29 | - | - | - | - | - | - |
| Engineering and technology | 2125 | 314 | 730 | 1099 | 8 | 5 | 1 | - | - | 4 |
| Agricultural sciences | 213 | 14 | 27 | 172 | - | - | - | - | - | - |
| Medical sciences | 146 | 47 | 59 | 40 | - | - | - | - | - | - |
| Social sciences | 1861 | 689 | 819 | 352 | 1 | 1 | 1 | - | - | 1 |
| Humanities | 516 | 10 | 367 | 139 | - | - | - | - | - | - |
| Region Sumadije i Zapadne Srbije 167 | 8 | 336 | 673 | 669 | - | - | - | - | - | - |
| <i>Business sector</i> | 87 | - | 19 | 68 | - | - | - | - | - | - |
| Engineering and technology | 82 | - | 14 | 68 | - | - | - | - | - | - |
| Social sciences | 5 | - | 5 | - | - | - | - | - | - | - |
| <i>Government sector</i> | 42 | 7 | 15 | 20 | - | - | - | - | - | - |
| Medical sciences | 42 | 7 | 15 | 20 | - | - | - | - | - | - |
| <i>Tertiary education</i> | 1549 | 329 | 639 | 581 | - | - | - | - | - | - |
| Natural sciences, mathematics | 2 | 1 | - | 1 | - | - | - | - | - | - |
| Engineering and technology | 461 | 54 | 279 | 128 | - | - | - | - | - | - |
| Agricultural sciences | 207 | 10 | 25 | 172 | - | - | - | - | - | - |
| Medical sciences | 146 | 47 | 59 | 40 | - | - | - | - | - | - |
| Social sciences | 723 | 207 | 276 | 240 | - | - | - | - | - | - |
| Humanities | 10 | 10 | - | - | - | - | - | - | - | - |
| Region Juzne i Istocne Srbije | 3548 | 842 | 1441 | 1282 | 13 | 6 | 6 | - | - | 9 |
| <i>Government sector</i> | 114 | 46 | 36 | 32 | 4 | - | 4 | - | - | 4 |
| Engineering and technology | 66 | 46 | 10 | 10 | - | - | - | - | - | - |
| Medical sciences | 48 | - | 26 | 22 | 4 | - | 4 | - | - | 4 |
| <i>Tertiary education</i> | 3434 | 796 | 1405 | 1250 | 9 | 6 | 2 | - | - | 5 |
| Natural sciences, mathematics | 120 | 50 | 42 | 28 | - | - | - | - | - | - |
| Engineering and technology | 1664 | 260 | 451 | 971 | 8 | 5 | 1 | - | - | 4 |
| Agricultural sciences | 6 | 4 | 2 | - | - | - | - | - | - | - |
| Social sciences | 1138 | 482 | 543 | 112 | 1 | 1 | 1 | - | - | 1 |
| Humanities | 506 | - | 367 | 139 | - | - | - | - | - | - |
| Region Kosovo i Metohija | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

10-1. Inventions and patent by R&D intensity, 2011

| R&D intensity | Inventions and patents | | | | | |
|---------------------------|------------------------|------------------------------|---------------------------------|-----------------------------|----------|--|
| | Tested inventions | Patents | | Inventions and patents sold | | Inventions and patents used for the first time in practice |
| | | Pending in the Patent Office | Registered in the Patent Office | In the Republic of Serbia | Abroad | |
| REPUBLIC OF SERBIA | 48 | 49 | 12 | 29 | 3 | 29 |
| High technology | 5 | 3 | 6 | 6 | 3 | 3 |
| Medium high technology | 25 | 18 | 4 | 18 | - | 25 |
| Medium low technology | 15 | 16 | 1 | - | - | 1 |
| Low technology | - | 8 | - | 5 | - | - |
| <i>Business sector</i> | - | - | - | - | - | - |
| High technology | - | - | - | - | - | - |
| Medium high technology | - | - | - | - | - | - |
| Medium low technology | - | - | - | - | - | - |
| Low technology | - | - | - | - | - | - |
| <i>Government sector</i> | 7 | 13 | 4 | 2 | - | 4 |
| High technology | - | - | - | - | - | - |
| Medium high technology | 4 | 2 | 4 | 2 | - | 4 |
| Medium low technology | - | - | - | - | - | - |
| Low technology | - | 8 | - | - | - | - |
| <i>Tertiary education</i> | 41 | 36 | 8 | 27 | 3 | 25 |
| High technology | 5 | 3 | 6 | 6 | 3 | 3 |
| Medium high technology | 21 | 16 | - | 16 | - | 21 |
| Medium low technology | 15 | 16 | 1 | - | - | 1 |
| Low technology | - | - | - | 5 | - | - |
| <i>Non-profit sector</i> | - | - | - | - | - | - |
| High technology | - | - | - | - | - | - |
| Medium high technology | - | - | - | - | - | - |
| Medium low technology | - | - | - | - | - | - |
| Low technology | - | - | - | - | - | - |

11-1. Gross domestic expenditure for R&D, by sectors and scientific fields, 2011

Thous. RSD

| | Gross domestic expenditure | Gross investments | Current costs | | |
|-------------------------------|----------------------------|-------------------|-----------------|--------------------------|----------------|
| | | | Total | Gross salaries and wages | Material costs |
| REPUBLIC OF SERBIA | 24683992 | 2119086 | 22532897 | 14630512 | 7902385 |
| <i>Business sector</i> | 2316558 | 1424527 | 860022 | 466363 | 393659 |
| Natural sciences, mathematics | 187220 | 55453 | 131767 | 36381 | 95386 |
| Engineering and technology | 1568074 | 1136338 | 431736 | 242865 | 188871 |
| Agricultural sciences | 330055 | 25462 | 272703 | 170596 | 102107 |
| Medical sciences | 189928 | 184050 | 5759 | 3807 | 1952 |
| Social sciences | 41281 | 23224 | 18057 | 12714 | 5343 |
| <i>Government sector</i> | 8336924 | 204956 | 8131968 | 5444648 | 2687320 |
| Natural sciences, mathematics | 3368455 | 51868 | 3316587 | 2361992 | 954595 |
| Engineering and technology | 1963944 | 69406 | 1894538 | 1047461 | 847077 |
| Agricultural sciences | 217837 | 12961 | 204876 | 153024 | 51852 |
| Medical sciences | 1552713 | 38339 | 1514374 | 978787 | 535587 |
| Social sciences | 552465 | 5238 | 547227 | 442606 | 104621 |
| Humanities | 681510 | 27144 | 654366 | 460778 | 193588 |
| <i>Tertiary education</i> | 13999017 | 489309 | 13509708 | 8712101 | 4797607 |
| Natural sciences, mathematics | 3085312 | 149370 | 2935942 | 1565596 | 1370346 |
| Engineering and technology | 3468199 | 76996 | 3391203 | 1896499 | 1494704 |
| Agricultural sciences | 660206 | 8704 | 651502 | 531780 | 119722 |
| Medical sciences | 1383130 | 54346 | 1328784 | 1003211 | 325573 |
| Social sciences | 3987804 | 159497 | 3828307 | 2637125 | 1191182 |
| Humanities | 1414366 | 40396 | 1373970 | 1077890 | 296080 |
| <i>Non-profit sector</i> | 31493 | 294 | 31199 | 7400 | 23799 |
| Medical sciences | 424 | 150 | 274 | - | 274 |
| Social sciences | 28342 | 144 | 28198 | 5726 | 22472 |
| Humanities | 2727 | - | 2727 | 1674 | 1053 |
| SRBIJA – NORTH | 22574521 | 1883768 | 20658863 | 13432568 | 7226295 |
| <i>Business sector</i> | 2014581 | 1227842 | 754849 | 419364 | 335485 |
| Natural sciences, mathematics | 175234 | 50813 | 124421 | 29067 | 95354 |
| Engineering and technology | 1460633 | 1124293 | 336340 | 205091 | 131249 |
| Agricultural sciences | 328944 | 25462 | 271592 | 169485 | 102107 |
| Medical sciences | 9809 | 4050 | 5759 | 3807 | 1952 |
| Social sciences | 39961 | 23224 | 16737 | 11914 | 4823 |
| <i>Government sector</i> | 8066538 | 200722 | 7865816 | 5276389 | 2589427 |
| Natural sciences, mathematics | 3368455 | 51868 | 3316587 | 2361992 | 954595 |
| Engineering and technology | 1893998 | 69406 | 1824592 | 986942 | 837650 |
| Agricultural sciences | 217837 | 12961 | 204876 | 153024 | 51852 |
| Medical sciences | 1352273 | 34105 | 1318168 | 871047 | 447121 |
| Social sciences | 552465 | 5238 | 547227 | 442606 | 104621 |
| Humanities | 681510 | 27144 | 654366 | 460778 | 193588 |

11-1. Gross domestic expenditure for R&D, by sectors and scientific fields, 2011 (continued)

Thous. RSD

| | Gross domestic expenditure | Gross investments | Current costs | | |
|-------------------------------|----------------------------|-------------------|-----------------|--------------------------|----------------|
| | | | Total | Gross salaries and wages | Material costs |
| <i>Tertiary education</i> | 12485081 | 455054 | 12030027 | 7729971 | 4300056 |
| Natural sciences, mathematics | 2571057 | 137927 | 2433130 | 1252441 | 1180689 |
| Engineering and technology | 2922815 | 61480 | 2861335 | 1552121 | 1309214 |
| Agricultural sciences | 532598 | 5986 | 526612 | 427848 | 98764 |
| Medical sciences | 1276901 | 51055 | 1225846 | 933097 | 292749 |
| Social sciences | 3810290 | 158210 | 3652080 | 2527217 | 1124863 |
| Humanities | 1371420 | 40396 | 1331024 | 1037247 | 293777 |
| <i>Non-profit sector</i> | 8321 | 150 | 8171 | 6844 | 1327 |
| Medical sciences | 424 | 150 | 274 | - | 274 |
| Social sciences | 5170 | - | 5170 | 5170 | - |
| Humanities | 2727 | - | 2727 | 1674 | 1053 |
| Beogradski region | 17850962 | 1655595 | 16163477 | 10583616 | 5579861 |
| <i>Business sector</i> | 1863233 | 1181433 | 649910 | 404532 | 245378 |
| Natural sciences, mathematics | 45521 | 7686 | 37835 | 26981 | 10854 |
| Engineering and technology | 1445031 | 1122356 | 322675 | 195388 | 127287 |
| Agricultural sciences | 328944 | 25462 | 271592 | 169485 | 102107 |
| Medical sciences | 4698 | 2760 | 1938 | 1046 | 892 |
| Social sciences | 39039 | 23169 | 15870 | 11632 | 4238 |
| <i>Government sector</i> | 7602280 | 185071 | 7417209 | 4979711 | 2437498 |
| Natural sciences, mathematics | 3368455 | 51868 | 3316587 | 2361992 | 954595 |
| Engineering and technology | 1794282 | 64118 | 1730164 | 939347 | 790817 |
| Agricultural sciences | 217837 | 12961 | 204876 | 153024 | 51852 |
| Medical sciences | 987731 | 23742 | 963989 | 621964 | 342025 |
| Social sciences | 552465 | 5238 | 547227 | 442606 | 104621 |
| Humanities | 681510 | 27144 | 654366 | 460778 | 193588 |
| <i>Tertiary education</i> | 8377128 | 288941 | 8088187 | 5192529 | 2895658 |
| Natural sciences, mathematics | 1379451 | 91226 | 1288225 | 549490 | 738735 |
| Engineering and technology | 2023947 | 34254 | 1989693 | 1202165 | 787528 |
| Agricultural sciences | 435268 | 5616 | 429652 | 343158 | 86494 |
| Medical sciences | 1049718 | 26675 | 1023043 | 790488 | 232555 |
| Social sciences | 3053997 | 112369 | 2941628 | 2091236 | 850392 |
| Humanities | 434747 | 18801 | 415946 | 215992 | 199954 |
| <i>Non-profit sector</i> | 8321 | 150 | 8171 | 6844 | 1327 |
| Medical sciences | 424 | 150 | 274 | - | 274 |
| Social sciences | 5170 | - | 5170 | 5170 | - |
| Humanities | 2727 | - | 2727 | 1674 | 1053 |
| Region Vojvodine | 4723559 | 228173 | 4495386 | 2848952 | 1646434 |
| <i>Business sector</i> | 151348 | 46409 | 104939 | 14832 | 90107 |
| Natural sciences, mathematics | 129713 | 43127 | 86586 | 2086 | 84500 |
| Engineering and technology | 15602 | 1937 | 13665 | 9703 | 3962 |
| Medical sciences | 5111 | 1290 | 3821 | 2761 | 1060 |
| Social sciences | 922 | 55 | 867 | 282 | 585 |
| <i>Government sector</i> | 464258 | 15651 | 448607 | 296678 | 151929 |
| Engineering and technology | 99716 | 5288 | 94428 | 47595 | 46833 |
| Medical sciences | 364542 | 10363 | 354179 | 249083 | 105096 |
| <i>Tertiary education</i> | 4107953 | 166113 | 3941840 | 2537442 | 1404398 |
| Natural sciences, mathematics | 1191606 | 46701 | 1144905 | 702951 | 441954 |
| Engineering and technology | 898868 | 27226 | 871642 | 349956 | 521686 |
| Agricultural sciences | 97330 | 370 | 96960 | 84690 | 12270 |
| Medical sciences | 227183 | 24380 | 202803 | 142609 | 60194 |
| Social sciences | 756293 | 45841 | 710452 | 435981 | 274471 |
| Humanities | 936673 | 21595 | 915078 | 821255 | 93823 |
| SRBJA – SOUTH | 2109471 | 235318 | 1874034 | 1197944 | 676090 |
| <i>Business sector</i> | 301977 | 196685 | 105173 | 46999 | 58174 |
| Natural sciences, mathematics | 11986 | 4640 | 7346 | 7314 | 32 |
| Engineering and technology | 107441 | 12045 | 95396 | 37774 | 57622 |
| Agricultural sciences | 1111 | - | 1111 | 1111 | - |
| Medical sciences | 180119 | 180000 | - | - | - |
| Social sciences | 1320 | - | 1320 | 800 | 520 |
| <i>Government sector</i> | 270386 | 4234 | 266152 | 168259 | 97893 |
| Engineering and technology | 69946 | - | 69946 | 69519 | 9427 |
| Medical sciences | 200440 | 4234 | 196206 | 107740 | 88466 |
| <i>Tertiary education</i> | 1513936 | 34255 | 1479681 | 982130 | 497551 |
| Natural sciences, mathematics | 514255 | 11443 | 502812 | 313155 | 189657 |
| Engineering and technology | 545384 | 15516 | 529868 | 344378 | 185490 |
| Agricultural sciences | 127608 | 2718 | 124890 | 103932 | 20958 |
| Medical sciences | 106229 | 3291 | 102938 | 70114 | 32824 |
| Social sciences | 177514 | 1287 | 176227 | 109908 | 66319 |
| Humanities | 42946 | - | 42946 | 40643 | 2303 |

11-1. Gross domestic expenditure for R&D, by sectors and scientific fields, 2011 (continued)

Thous. RSD

| | Gross domestic expenditure | Gross investments | Current costs | | |
|---|----------------------------|-------------------|---------------|-------------------|----------------|
| | | | Total | Gross investments | Material costs |
| <i>Non-profit sector</i> | 23172 | 144 | 23028 | 556 | 22472 |
| Social sciences | 23172 | 144 | 23028 | 556 | 22472 |
| Region Sumadije i Zapadne Srbije | 1134346 | 215437 | 918790 | 656549 | 262241 |
| <i>Business sector</i> | 243828 | 195443 | 48266 | 24018 | 24248 |
| Natural sciences, mathematics | 4640 | 4640 | - | - | - |
| Engineering and technology | 57765 | 10803 | 46962 | 23218 | 23744 |
| Medical sciences | 180119 | 180000 | - | - | - |
| Social sciences | 1304 | - | 1304 | 800 | 504 |
| <i>Government sector</i> | 35325 | - | 35325 | 28623 | 6702 |
| Medical sciences | 35325 | - | 35325 | 28623 | 6702 |
| <i>Tertiary education</i> | 832021 | 19850 | 812171 | 603352 | 208819 |
| Natural sciences, mathematics | 419216 | 10382 | 408834 | 281378 | 127456 |
| Engineering and technology | 128352 | 2872 | 125480 | 110375 | 15105 |
| Agricultural sciences | 45723 | 2718 | 43005 | 33207 | 9798 |
| Medical sciences | 106229 | 3291 | 102938 | 70114 | 32824 |
| Social sciences | 119041 | 587 | 118454 | 96008 | 22446 |
| Humanities | 13460 | - | 13460 | 12270 | 1190 |
| <i>Non-profit sector</i> | 23172 | 144 | 23028 | 556 | 22472 |
| Social sciences | 23172 | 144 | 23028 | 556 | 22472 |
| Region Juzne i Istocne Srbije | 975125 | 19881 | 955244 | 541395 | 413849 |
| <i>Business sector</i> | 58149 | 1242 | 56907 | 22981 | 33926 |
| Natural sciences, mathematics | 7346 | - | 7346 | 7314 | 32 |
| Engineering and technology | 49676 | 1242 | 48434 | 14556 | 33878 |
| Agricultural sciences | 1111 | - | 1111 | 1111 | - |
| Social sciences | 16 | - | 16 | - | 16 |
| <i>Government sector</i> | 235061 | 4234 | 230827 | 139636 | 91191 |
| Engineering and technology | 69946 | - | 69946 | 60519 | 9427 |
| Medical sciences | 165115 | 4234 | 160881 | 79117 | 81764 |
| <i>Tertiary education</i> | 681915 | 14405 | 667510 | 378778 | 288732 |
| Natural sciences, mathematics | 95039 | 1061 | 93978 | 31777 | 62201 |
| Engineering and technology | 417032 | 12644 | 404388 | 234003 | 170385 |
| Agricultural sciences | 81885 | - | 81885 | 70725 | 11160 |
| Social sciences | 58473 | 700 | 57773 | 13900 | 43873 |
| Humanities | 29486 | - | 29486 | 28373 | 1113 |
| Region Kosovo i Metohija | ... | ... | ... | ... | ... |

11-2. Gross domestic expenditure for R&D, by sectors and activities, 2011

Thous. RSD

| | Gross domestic investments | Gross investments | Current costs | | |
|---|----------------------------|-------------------|-----------------|--------------------------|----------------|
| | | | Total | Gross salaries and wages | Material costs |
| REPUBLIC OF SERBIA | 24683992 | 2119086 | 22564906 | 14630512 | 7934394 |
| <i>Business sector</i> | 2316558 | 1424527 | 892031 | 466363 | 425668 |
| Agriculture | 2419 | 1560 | 859 | 611 | 248 |
| Fishery | 51261 | - | 51261 | 51261 | - |
| Mining and quarrying | 24688 | 1200 | 23488 | 22286 | 1202 |
| Extraction of crude petroleum and natural gas | 129713 | 43127 | 86586 | 2086 | 84500 |
| Mining of metal ores | 8165 | 819 | 7346 | 7314 | 32 |
| Other mining and quarrying | 2993 | 2993 | - | - | - |
| Manufacture of tobacco products | 3471 | 3471 | - | - | - |
| Manufacture of wood and of products of wood | 62049 | 3507 | 26652 | 22130 | 4522 |
| Manufacture of pulp, paper and of articles of paper | 4453 | - | 4453 | 2443 | 2010 |
| Publishing activities | 9324 | 5341 | 3983 | 2607 | 1376 |
| Manufacture of coke, refined petroleum products and nuclear fuels | 12922 | 997 | 11925 | 8647 | 3278 |
| Manufacture of chemicals and chemical products | 1111 | - | 1111 | 1111 | - |
| Manufacture of rubber and plastic products | 87663 | 24388 | 63275 | 31582 | 31693 |
| Manufacture of other non-metallic mineral products | 13247 | 2387 | 10860 | 6366 | 4494 |
| Manufacture of basic metals | 6783 | 5125 | 1658 | 1151 | 507 |
| Manufacture of fabricated metal products | 7448 | 1290 | 6158 | 5098 | 1060 |
| Manufacture of electrical equipment | 5240 | - | 5240 | 3924 | 1316 |
| Manufacture of other transport equipment | 1081277 | 1036144 | 45133 | 10975 | 34158 |
| Manufacture of furniture | 12011 | - | 12011 | - | 12011 |
| Construction | 55680 | 38607 | 17073 | 8060 | 9013 |
| Wholesale trade and intermediation | 69870 | 1026 | 68725 | 20223 | 48502 |
| Retail trade | 32306 | - | 32306 | - | 32306 |
| Air transport | 13376 | 5067 | 8309 | 5918 | 2391 |
| Postal activities and telecommunications | 72 | - | 72 | - | 72 |
| Real estate activities | 105875 | 45398 | 60477 | 54389 | 6088 |
| Rental of machinery and equipment without operator | 17653 | 672 | 16981 | 3949 | 13032 |
| Computer programming, consultancy and related activities | 293128 | 16068 | 277060 | 185254 | 91806 |
| Scientific research and development | 3662 | 1120 | 2542 | 2327 | 215 |
| Other professional, scientific and technical activities | 14303 | 4220 | 10083 | 4851 | 5232 |
| Human health and social work activities | 2900 | - | 2900 | 1800 | 1100 |
| Activities of membership organizations | 181495 | 180000 | 1495 | - | 1495 |

11-2. Gross domestic expenditure for R&D, by sectors and activities, 2011
 (continued)

Thous. RSD

| | Gross domestic investments | Gross investments | Current costs | | |
|---|----------------------------|-------------------|-----------------|--------------------------|----------------|
| | | | Total | Gross salaries and wages | Material costs |
| <i>Government sector</i> | 8336924 | 204956 | 8131968 | 5444648 | 2687320 |
| Computer programming, consultancy and related activities | 7938587 | 200217 | 7738370 | 5164724 | 2573646 |
| Scientific research and development | 387147 | 4529 | 382618 | 269525 | 113093 |
| Human health and social work activities | 11190 | 210 | 10980 | 10399 | 581 |
| <i>Tertiary education</i> | 13999017 | 489309 | 13509708 | 8712101 | 4797607 |
| Sale, maintenance and repair of motor vehicles | 33852 | - | 33852 | 28416 | 5436 |
| Computer programming, consultancy and related activities | 29486 | - | 29486 | 28373 | 1113 |
| Human health and social work activities | 13935679 | 489309 | 13446370 | 8655312 | 4791058 |
| <i>Non-profit sector</i> | 31493 | 294 | 31199 | 7400 | 23799 |
| Activities of membership organizations | 31493 | 294 | 31199 | 7400 | 23799 |
| SRBIJA – NORTH | 22574521 | 1883768 | 20658863 | 13432568 | 7226295 |
| <i>Business sector</i> | 2014581 | 1227842 | 754849 | 419364 | 335485 |
| Agriculture | 2419 | 1560 | 859 | 611 | 248 |
| Fishery | 51261 | - | 51261 | 51261 | - |
| Mining and quarrying | 24130 | 1200 | 22930 | 22286 | 644 |
| Extraction of crude petroleum and natural gas | 129713 | 43127 | 86586 | 2086 | 84500 |
| Other mining and quarrying | 2993 | 2993 | - | - | - |
| Manufacture of wood and of products of wood | 62049 | 3507 | 26652 | 22130 | 4522 |
| Manufacture of pulp, paper and of articles of paper | 4453 | - | 4453 | 2443 | 2010 |
| Manufacture of coke, refined petroleum products and nuclear fuels | 11652 | 997 | 10655 | 8066 | 2589 |
| Manufacture of rubber and plastic products | 87650 | 24388 | 63262 | 31582 | 31680 |
| Manufacture of other non-metallic mineral products | 11226 | 2337 | 8889 | 5916 | 2973 |
| Manufacture of basic metals | 6515 | 5125 | 1390 | 1151 | 239 |
| Manufacture of fabricated metal products | 5111 | 1290 | 3821 | 2761 | 1060 |
| Manufacture of other transport equipment | 1036982 | 1035882 | 1100 | - | 1100 |
| Construction | 55674 | 38601 | 17073 | 8060 | 9013 |
| Wholesale trade and intermediation | 69526 | 871 | 68655 | 20223 | 48432 |
| Retail trade | 32044 | - | 32044 | - | 32044 |
| Air transport | 8736 | 427 | 8309 | 5918 | 2391 |
| Postal activities and telecommunications | 72 | - | 72 | - | 72 |
| Real estate activities | 104625 | 45398 | 59227 | 53589 | 5638 |
| Rental of machinery and equipment without operator | 17653 | 672 | 16981 | 3949 | 13032 |
| Computer programming, consultancy and related activities | 267737 | 14127 | 253610 | 168354 | 85256 |
| Scientific research and development | 3662 | 1120 | 2542 | 2327 | 215 |
| Other professional, scientific and technical activities | 14303 | 4220 | 10083 | 4851 | 5232 |
| Human health and social work activities | 2900 | - | 2900 | 1800 | 1100 |
| Activities of membership organizations | 1495 | - | 1495 | - | 1495 |
| <i>Government sector</i> | 8066538 | 200722 | 7865816 | 5276389 | 2589427 |
| Computer programming, consultancy and related activities | 7668201 | 195983 | 7472218 | 4996465 | 2475753 |
| Scientific research and development | 387147 | 4529 | 382618 | 269525 | 113093 |
| Human health and social work activities | 11190 | 210 | 10980 | 10399 | 581 |
| <i>Tertiary education</i> | 12485081 | 455054 | 12030027 | 7729971 | 4300056 |
| Sale, maintenance and repair of motor vehicles | 33852 | - | 33852 | 28416 | 5436 |
| Human health and social work activities | 12451229 | 455054 | 11996175 | 7701555 | 4294620 |
| <i>Non-profit sector</i> | 8321 | 150 | 8171 | 6844 | 1327 |
| Activities of membership organizations | 8321 | 150 | 8171 | 6844 | 1327 |
| Beogradski region | 17850962 | 1655595 | 16163477 | 10583616 | 5579861 |
| <i>Business sector</i> | 1863233 | 1181433 | 649910 | 404532 | 245378 |
| Agriculture | 2419 | 1560 | 859 | 611 | 248 |
| Fishing | 51261 | - | 51261 | 51261 | - |
| Mining and quarrying | 24130 | 1200 | 22930 | 22286 | 644 |
| Other mining and quarrying | 2993 | 2993 | - | - | - |
| Manufacture of wood and of products of wood | 62049 | 3507 | 26652 | 22130 | 4522 |
| Manufacture of pulp, paper and of articles of paper | 4453 | - | 4453 | 2443 | 2010 |
| Manufacture of rubber and plastic products | 87650 | 24388 | 63262 | 31582 | 31680 |
| Manufacture of other non-metallic mineral products | 7276 | 1397 | 5879 | 4279 | 1600 |
| Manufacture of basic metals | 6515 | 5125 | 1390 | 1151 | 239 |
| Manufacture of other transport equipment | 1036982 | 1035882 | 1100 | - | 1100 |
| Construction | 55674 | 38601 | 17073 | 8060 | 9013 |
| Wholesale trade and intermediation | 68604 | 816 | 67788 | 19941 | 47847 |
| Retail trade | 32044 | - | 32044 | - | 32044 |
| Air transport | 8736 | 427 | 8309 | 5918 | 2391 |
| Postal activities and telecommunications | 72 | - | 72 | - | 72 |
| Real estate activities | 104625 | 45398 | 59227 | 53589 | 5638 |
| Rental of machinery and equipment without operator | 17653 | 672 | 16981 | 3949 | 13032 |
| Computer programming, consultancy and related activities | 267737 | 14127 | 253610 | 168354 | 85256 |
| Scientific research and development | 3662 | 1120 | 2542 | 2327 | 215 |
| Other professional, scientific and technical activities | 14303 | 4220 | 10083 | 4851 | 5232 |
| Human health and social work activities | 2900 | - | 2900 | 1800 | 1100 |
| Activities of membership organizations | 1495 | - | 1495 | - | 1495 |
| <i>Government sector</i> | 7602280 | 185071 | 7417209 | 4979711 | 2437498 |
| Computer programming, consultancy and related activities | 7203943 | 180332 | 7023611 | 4699787 | 2323824 |
| Scientific research and development | 387147 | 4529 | 382618 | 269525 | 113093 |
| Human health and social work activities | 11190 | 210 | 10980 | 10399 | 581 |
| <i>Tertiary education</i> | 8377128 | 288941 | 8088187 | 5192529 | 2895658 |
| Human health and social work activities | 8377128 | 288941 | 8088187 | 5192529 | 2895658 |
| <i>Non-profit sector</i> | 8321 | 150 | 8171 | 6844 | 1327 |
| Activities of membership organisations | 8321 | 150 | 8171 | 6844 | 1327 |

11-2. Gross domestic expenditure for R&D, by sectors and activities, 2011
 (continued)

Thous. RSD

| | Gross domestic expenditure | Gross investments | Current costs | | |
|---|----------------------------|-------------------|----------------|--------------------------|----------------|
| | | | Total | Gross salaries and wages | Material costs |
| Region Vojvodine | 4723559 | 228173 | 4495386 | 2848952 | 1646434 |
| <i>Business sector</i> | 151348 | 46409 | 104939 | 14832 | 90107 |
| Extraction of crude petroleum and natural gas | 129713 | 43127 | 86586 | 2086 | 84500 |
| Manufacture of coke, refined petroleum products and nuclear fuels | 11652 | 997 | 10655 | 8066 | 2589 |
| Manufacture of other non-metallic mineral products | 3950 | 940 | 3010 | 1637 | 1373 |
| Manufacture of fabricated metal products | 5111 | 1290 | 3821 | 2761 | 1060 |
| Wholesale trade and intermediation | 922 | 55 | 867 | 282 | 585 |
| <i>Government sector</i> | 464258 | 15651 | 448607 | 296678 | 151929 |
| Computer programming, consultancy and related activities | 464258 | 15651 | 448607 | 296678 | 151929 |
| <i>Tertiary education</i> | 4107953 | 166113 | 3941840 | 2537442 | 1404398 |
| Sale, maintenance and repair of motor vehicles | 33852 | - | 33852 | 28416 | 5436 |
| Human health and social work activities | 4074101 | 166113 | 3907988 | 2509026 | 1398962 |
| SRBIJA – SOUTH | 2109471 | 235318 | 1874034 | 1197944 | 676090 |
| <i>Business sector</i> | 301977 | 196685 | 105173 | 46999 | 58174 |
| Extraction of crude petroleum and natural gas | 558 | - | 558 | - | 558 |
| Mining of metal ores | 8165 | 819 | 7346 | 7314 | 32 |
| Manufacture of tobacco products | 3471 | 3471 | - | - | - |
| Publishing activities | 9324 | 5341 | 3983 | 2607 | 1376 |
| Manufacture of coke, refined petroleum products and nuclear fuels | 1270 | - | 1270 | 581 | 689 |
| Manufacture of chemicals and chemical products | 1111 | - | 1111 | 1111 | - |
| Manufacture of rubber and plastic products | 13 | - | 13 | - | 13 |
| Manufacture of other non-metallic mineral products | 2021 | 50 | 1971 | 450 | 1521 |
| Manufacture of basic metals | 268 | - | 268 | - | 268 |
| Manufacture of fabricated metal products | 2337 | - | 2337 | 2337 | - |
| Manufacture of electrical equipment | 5240 | - | 5240 | 3924 | 1316 |
| Manufacture of other transport equipment | 44295 | 262 | 44033 | 10975 | 33058 |
| Manufacture of furniture | 12011 | - | 12011 | - | 12011 |
| Construction | 6 | 6 | - | - | - |
| Wholesale trade and intermediation | 344 | 155 | 70 | - | 70 |
| Retail trade | 262 | - | 262 | - | 262 |
| Air transport | 4640 | 4640 | - | - | - |
| Real estate | 1250 | - | 1250 | 800 | 450 |
| Computer programming, consultancy and related activities | 25391 | 1941 | 23450 | 16900 | 6550 |
| Activities of membership organizations | 180000 | 180000 | - | - | - |
| <i>Government sector</i> | 270386 | 4234 | 266152 | 168259 | 97893 |
| Computer programming, consultancy and related activities | 270386 | 4234 | 266152 | 168259 | 97893 |
| <i>Tertiary education</i> | 1513936 | 34255 | 1479681 | 982130 | 497551 |
| Computer programming, consultancy and related activities | 29486 | - | 29486 | 28373 | 1113 |
| Human health and social work activities | 1484450 | 34255 | 1450195 | 953757 | 496438 |
| <i>Non-profit organisations</i> | 23172 | 144 | 23028 | 556 | 22472 |
| Activities of membership organisations | 23172 | 144 | 23028 | 556 | 22472 |
| Region Sumadije i Zapadne Srbije | 1134346 | 215437 | 918790 | 656549 | 262241 |
| <i>Business sector</i> | 243828 | 195443 | 48266 | 24018 | 24248 |
| Manufacture of tobacco products | 3471 | 3471 | - | - | - |
| Publishing activities | 9324 | 5341 | 3983 | 2607 | 1376 |
| Manufacture of coke, refined petroleum products and nuclear fuels | 1270 | - | 1270 | 581 | 689 |
| Manufacture of rubber and plastic products | 13 | - | 13 | - | 13 |
| Manufacture of other non-metallic mineral products | 2021 | 50 | 1971 | 450 | 1521 |
| Manufacture of basic metals | 268 | - | 268 | - | 268 |
| Manufacture of fabricated metal products | 2337 | - | 2337 | 2337 | - |
| Manufacture of electrical equipment | 1659 | - | 1659 | 343 | 1316 |
| Manufacture of furniture | 12011 | - | 12011 | - | 12011 |
| Wholesale trade and intermediation | 173 | - | 54 | - | 54 |
| Air transport | 4640 | 4640 | - | - | - |
| Real estate activities | 1250 | - | 1250 | 800 | 450 |
| Computer programming, consultancy and related activities | 25391 | 1941 | 23450 | 16900 | 6550 |
| Activities of membership organizations | 180000 | 180000 | - | - | - |
| <i>Government sector</i> | 35325 | - | 35325 | 28623 | 6702 |
| Computer programming, consultancy and related activities | 35325 | - | 35325 | 28623 | 6702 |
| <i>Tertiary education</i> | 832021 | 19850 | 812171 | 603352 | 208819 |
| Human health and social work activities | 832021 | 19850 | 812171 | 603352 | 208819 |
| <i>Non-profit sector</i> | 23172 | 144 | 23028 | 556 | 22472 |
| Activities of membership organizations | 23172 | 144 | 23028 | 556 | 22472 |
| Region Juzne i Istocne Srbije | 975125 | 19881 | 955244 | 541395 | 413849 |
| <i>Business sector</i> | 58149 | 1242 | 56907 | 22981 | 33926 |
| Mining and quarrying | 558 | - | 558 | - | 558 |
| Mining of metal ores | 8165 | 819 | 7346 | 7314 | 32 |
| Manufacture of chemicals and chemical products | 1111 | - | 1111 | 1111 | - |
| Manufacture of electrical equipment | 3581 | - | 3581 | 3581 | - |
| Manufacture of other transport equipment | 44295 | 262 | 44033 | 10975 | 33058 |
| Construction | 6 | 6 | - | - | - |
| Wholesale trade and intermediation | 171 | 155 | 16 | - | 16 |
| Retail trade | 262 | - | 262 | - | 262 |
| <i>Government sector</i> | 235061 | 4234 | 230827 | 139636 | 91191 |
| Computer programming, consultancy and related activities | 235061 | 4234 | 230827 | 139636 | 91191 |
| <i>Tertiary education</i> | 681915 | 14405 | 667510 | 378778 | 288732 |
| Computer programming, consultancy and related activities | 29486 | - | 29486 | 28373 | 1113 |
| Human health and social work activities | 652429 | 14405 | 638024 | 350405 | 287619 |
| Region Kosovo i Metohija | ... | ... | ... | ... | ... |

12-1. Sources of funds spent on R&D activities, 2011

| | Thous. RSD | | | | | |
|-------------------------------|---------------------|----------------|----------------------------------|--------------------------------|-------------------------|--------------------------|
| | Total | Own | Government and local authorities | Private and public enterprises | Non-profit institutions | Foreign ordering parties |
| REPUBLIC OF SERBIA | 24683992 539 | 1167 | 15661230 | 2258087 | 20674 135 | 2834 |
| <i>Business sector</i> | 2316558 | 1563860 | 61102 | 245948 | 2744 | 442904 |
| Natural sciences, mathematics | 187220 | 14942 | - | 156839 | - | 15439 |
| Engineering and technology | 1568074 | 1430642 | 61102 | 57219 | 2744 | 16367 |
| Agricultural sciences | 330055 | 67067 | - | 31890 | - | 231098 |
| Medical sciences | 189928 | 9928 | - | - | - | 180000 |
| Social sciences | 41281 | 41281 | - | - | - | - |
| <i>Government sector</i> | 8336924 | 667924 | 5854045 | 1414743 | 15746 | 384466 |
| Natural sciences, mathematics | 3368455 | 67498 | 3079886 | 85940 | 749 | 134382 |
| Engineering and technology | 1963944 | 84231 | 678421 | 1037349 | 12824 | 151119 |
| Agricultural sciences | 217837 | 2620 | 196718 | - | - | 18499 |
| Medical sciences | 1552713 | 489508 | 849622 | 164233 | - | 49350 |
| Social sciences | 552465 | 22727 | 490773 | 8300 | 2173 | 28492 |
| Humanities | 681510 | 1340 | 558625 | 118921 | - | 2624 |
| <i>Tertiary education</i> | 13999017 | 3159383 | 9738061 | 597396 | 2184 | 501993 |
| Natural sciences, mathematics | 3085312 | 286670 | 2467173 | 110679 | - | 220790 |
| Engineering and technology | 3468199 | 14835 | 2838756 | 449663 | - | 164945 |
| Agricultural sciences | 660206 | 44408 | 615798 | - | - | - |
| Medical sciences | 1383130 | 104827 | 1207703 | 28500 | - | 42100 |
| Social sciences | 3987804 | 2536819 | 1397524 | 8383 | 2184 | 42894 |
| Humanities | 1414366 | 171824 | 1211107 | 171 | - | 31264 |
| <i>Non-profit sector</i> | 31493 | - | 8022 | - | - | 23471 |
| Medical sciences | 424 | - | 424 | - | - | - |
| Social sciences | 28342 | - | 6238 | - | - | 22104 |
| Humanities | 2727 | - | 1360 | - | - | 1367 |
| SRBIJA - NORTH | 22574521 | 5203539 | 14220545 | 2070319 | 19705 | 1060413 |
| <i>Business sector</i> | 2014581 | 1484200 | 31093 | 236902 | 2744 | 259642 |
| Natural sciences, mathematics | 175234 | 10302 | - | 149493 | - | 15439 |
| Engineering and technology | 1460633 | 1358172 | 31093 | 55519 | 2744 | 13105 |
| Agricultural sciences | 328944 | 65956 | - | 31890 | - | 231098 |
| Medical sciences | 9809 | 9809 | - | - | - | - |
| Social sciences | 39961 | 39961 | - | - | - | - |
| <i>Government sector</i> | 8066538 | 665177 | 5728998 | 1272945 | 15746 | 383672 |
| Natural sciences, mathematics | 3368455 | 67498 | 3079886 | 85940 | 749 | 134382 |
| Engineering and technology | 1893998 | 84231 | 608475 | 1037349 | 12824 | 151119 |
| Agricultural sciences | 217837 | 2620 | 196718 | - | - | 18499 |
| Medical sciences | 1352273 | 486761 | 794521 | 22435 | - | 48556 |
| Social sciences | 552465 | 22727 | 490773 | 8300 | 2173 | 28492 |
| Humanities | 681510 | 1340 | 558625 | 118921 | - | 2624 |
| <i>Tertiary education</i> | 12485081 | 3054162 | 8453500 | 560472 | 1215 | 415732 |
| Natural sciences, mathematics | 2571057 | 221741 | 2026757 | 110679 | - | 211880 |
| Engineering and technology | 2922815 | 355 | 2421950 | 412739 | - | 87771 |
| Agricultural sciences | 532598 | 35889 | 496709 | - | - | - |
| Medical sciences | 1276901 | 97654 | 1108647 | 28500 | - | 42100 |
| Social sciences | 3810290 | 2526699 | 1231276 | 8383 | 1215 | 42717 |
| Humanities | 1371420 | 171824 | 1168161 | 171 | - | 31264 |
| <i>Non-profit sector</i> | 8321 | - | 6954 | - | - | 1367 |
| Medical sciences | 424 | - | 424 | - | - | - |
| Social sciences | 5170 | - | 5170 | - | - | - |
| Humanities | 2727 | - | 1360 | - | - | 1367 |
| Beogradski region | 17850962 | 4283103 | 10837780 | 1790690 | 18490 | 920899 |
| <i>Business sector</i> | 1863233 | 1466515 | 31093 | 106994 | 2744 | 255887 |
| Natural sciences, mathematics | 45521 | 10302 | - | 19780 | - | 15439 |
| Engineering and technology | 1445031 | 1346520 | 31093 | 55324 | 2744 | 9350 |
| Agricultural sciences | 328944 | 65956 | - | 31890 | - | 231098 |
| Medical sciences | 4698 | 4698 | - | - | - | - |
| Social sciences | 39039 | 39039 | - | - | - | - |
| <i>Government sector</i> | 7602280 | 619546 | 5374837 | 1245642 | 15746 | 346509 |
| Natural sciences, mathematics | 3368455 | 67498 | 3079886 | 85940 | 749 | 134382 |
| Engineering and technology | 1794282 | 84231 | 548875 | 1010046 | 12824 | 138306 |
| Agricultural sciences | 217837 | 2620 | 196718 | - | - | 18499 |
| Medical sciences | 987731 | 441130 | 499960 | 22435 | - | 24206 |
| Social sciences | 552465 | 22727 | 490773 | 8300 | 2173 | 28492 |
| Humanities | 681510 | 1340 | 558625 | 118921 | - | 2624 |
| <i>Tertiary education</i> | 8377128 | 2197042 | 5424896 | 438054 | - | 317136 |
| Natural sciences, mathematics | 1379451 | 61138 | 1149902 | 219 | - | 168192 |
| Engineering and technology | 2023947 | 355 | 1534440 | 401381 | - | 87771 |
| Agricultural sciences | 435268 | - | 435268 | - | - | - |
| Medical sciences | 1049718 | 79176 | 915316 | 28500 | - | 26726 |
| Social sciences | 3053997 | 2010152 | 1006960 | 7783 | - | 29102 |
| Humanities | 434747 | 46221 | 383010 | 171 | - | 5345 |
| <i>Non-profit sector</i> | 8321 | - | 6954 | - | - | 1367 |
| Medical sciences | 424 | - | 424 | - | - | - |
| Social sciences | 5170 | - | 5170 | - | - | - |
| Humanities | 2727 | - | 1360 | - | - | 1367 |

12-1. Sources of funds spent on R&D activities, 2011 (continued)

Thous. RSD

| | Total | Own | Government and local authorities | Private and public enterprises | Non-profit institutions | Foreing ordering parties |
|---|----------------|---------------|----------------------------------|--------------------------------|-------------------------|--------------------------|
| Region Vojvodine | 4723559 | 920436 | 3382765 | 279629 | 1215 | 139514 |
| <i>Business sector</i> | 151348 | 17685 | - | 129908 | - | 3755 |
| Natural sciences, mathematics | 129713 | - | - | 129713 | - | - |
| Engineering and technology | 15602 | 11652 | - | 195 | - | 3755 |
| Medical sciences | 5111 | 5111 | - | - | - | - |
| Social sciences | 922 | 922 | - | - | - | - |
| <i>Government sector</i> | 464258 | 45631 | 354161 | 27303 | - | 37163 |
| Engineering and technology | 99716 | - | 59600 | 27303 | - | 12813 |
| Medical sciences | 364542 | 45631 | 294561 | - | - | 24350 |
| <i>Tertiary education</i> | 4107953 | 857120 | 3028604 | 122418 | 1215 | 98596 |
| Natural sciences, mathematics | 1191606 | 160603 | 876855 | 110460 | - | 43688 |
| Engineering and technology | 898868 | - | 887510 | 11358 | - | - |
| Agricultural sciences | 97330 | 35889 | 61441 | - | - | - |
| Medical sciences | 227183 | 18478 | 193331 | - | - | 15374 |
| Social sciences | 756293 | 516547 | 224316 | 600 | 1215 | 13615 |
| Humanities | 936673 | 125603 | 785151 | - | - | 25919 |
| SRBIJA – SOUTH | 2109471 | 187628 | 1440685 | 187768 | 969 | 292421 |
| <i>Business sector</i> | 301977 | 79660 | 30009 | 9046 | - | 183262 |
| Natural sciences, mathematics | 11986 | 4640 | - | 7346 | - | - |
| Engineering and technology | 107441 | 72470 | 30009 | 1700 | - | 3262 |
| Agricultural sciences | 1111 | 1111 | - | - | - | - |
| Medical sciences | 180119 | 119 | - | - | - | 180000 |
| Social sciences | 1320 | 1320 | - | - | - | - |
| <i>Government sector</i> | 270386 | 2747 | 125047 | 141798 | - | 794 |
| Engineering and technology | 69946 | - | 69946 | - | - | - |
| Medical sciences | 200440 | 2747 | 55101 | 141798 | - | 794 |
| <i>Tertiary education</i> | 1513936 | 105221 | 1284561 | 36924 | 969 | 86261 |
| Natural sciences, mathematics | 514255 | 64929 | 440416 | - | - | 8910 |
| Engineering and technology | 545384 | 14480 | 416806 | 36924 | - | 77174 |
| Agricultural sciences | 127608 | 8519 | 119089 | - | - | - |
| Medical sciences | 106229 | 7173 | 99056 | - | - | - |
| Social sciences | 177514 | 10120 | 166248 | - | 969 | 177 |
| Humanities | 42946 | - | 42946 | - | - | - |
| <i>Non-profit sector</i> | 23172 | - | 1068 | - | - | 22104 |
| Social sciences | 23172 | - | 1068 | - | - | 22104 |
| Region Sumadije i Zapadne Srbije | 1134346 | 127467 | 786133 | 881 | - | 219865 |
| <i>Business sector</i> | 243828 | 29837 | 30009 | 881 | - | 183101 |
| Natural sciences, mathematics | 4640 | 4640 | - | - | - | - |
| Engineering and technology | 57765 | 23774 | 30009 | 881 | - | 3101 |
| Medical sciences | 180119 | 119 | - | - | - | 180000 |
| Social sciences | 1304 | 1304 | - | - | - | - |
| <i>Government sector</i> | 35325 | 2747 | 32578 | - | - | - |
| Medical sciences | 35325 | 2747 | 32578 | - | - | - |
| <i>Tertiary education</i> | 832021 | 94883 | 722478 | - | - | 14660 |
| Natural sciences, mathematics | 419216 | 64929 | 351582 | - | - | 2705 |
| Engineering and technology | 128352 | 5996 | 110578 | - | - | 11778 |
| Agricultural sciences | 45723 | 8519 | 37204 | - | - | - |
| Medical sciences | 106229 | 7173 | 99056 | - | - | - |
| Social sciences | 119041 | 8266 | 110598 | - | - | 177 |
| Humanities | 13460 | - | 13460 | - | - | - |
| <i>Non-profit sector</i> | 23172 | - | 1068 | - | - | 22104 |
| Social sciences | 23172 | - | 1068 | - | - | 22104 |
| Region Juzne i Istocne Srbije | 975125 | 60161 | 654552 | 186887 | 969 | 72556 |
| <i>Business sector</i> | 58149 | 49823 | - | 8165 | - | 161 |
| Natural sciences, mathematics | 7346 | - | - | 7346 | - | - |
| Engineering and technology | 49676 | 48696 | - | 819 | - | 161 |
| Agricultural sciences | 1111 | 1111 | - | - | - | - |
| Social sciences | 16 | 16 | - | - | - | - |
| <i>Government sector</i> | 235061 | - | 92469 | 141798 | - | 794 |
| Engineering and technology | 69946 | - | 69946 | - | - | - |
| Medical sciences | 165115 | - | 22523 | 141798 | - | 794 |
| <i>Tertiary education</i> | 681915 | 10338 | 562083 | 36924 | 969 | 71601 |
| Natural sciences, mathematics | 95039 | - | 88834 | - | - | 6205 |
| Engineering and technology | 417032 | 8484 | 306228 | 36924 | - | 65396 |
| Agricultural sciences | 81885 | - | 81885 | - | - | - |
| Social sciences | 58473 | 1854 | 55650 | - | 969 | - |
| Humanities | 29486 | - | 29486 | - | - | - |
| Region Kosovo i Metohija | ... | ... | ... | ... | ... | ... |

12-2. Sources of funds for R&D, 2011

| | Total | Own | Government and local authorities | Private and public enterprises | Non-profit institutions | Foreign ordering parties |
|---|--------------|-------------|----------------------------------|--------------------------------|-------------------------|--------------------------|
| REPUBLIC OF SERBIA | 100,0 | 21,8 | 63,4 | 9,1 | 0,1 | 5,5 |
| <i>Business sector</i> | 100,0 | 67,5 | 2,6 | 10,6 | 0,1 | 19,1 |
| <i>Government sector</i> | 100,0 | 8,0 | 70,2 | 17,0 | 0,2 | 4,6 |
| <i>Tertiary education</i> | 100,0 | 22,6 | 69,6 | 4,3 | 0,0 | 3,6 |
| <i>Non-profit sector</i> | 100,0 | 0,0 | 25,5 | 0,0 | 0,0 | 74,5 |
| SRBIJA – NORTH | 100,0 | 23,1 | 63,0 | 9,2 | 0,1 | 4,7 |
| <i>Business sector</i> | 100,0 | 73,7 | 1,5 | 11,8 | 0,1 | 12,9 |
| <i>Government sector</i> | 100,0 | 8,2 | 71,0 | 15,8 | 0,2 | 4,8 |
| <i>Tertiary education</i> | 100,0 | 24,5 | 67,7 | 4,5 | 0,0 | 3,3 |
| <i>Non-profit sector</i> | 100,0 | 0,0 | 83,6 | 0,0 | 0,0 | 16,4 |
| Beogradski region | 100,0 | 24,0 | 60,7 | 10,0 | 0,1 | 5,2 |
| <i>Business sector</i> | 100,0 | 78,7 | 1,7 | 5,7 | 0,1 | 13,7 |
| <i>Government sector</i> | 100,0 | 8,1 | 70,7 | 16,4 | 0,2 | 4,6 |
| <i>Tertiary education</i> | 100,0 | 26,2 | 64,8 | 5,2 | 0,0 | 3,8 |
| <i>Non-profit sector</i> | 100,0 | 0,0 | 83,6 | 0,0 | 0,0 | 16,4 |
| Region Vojvodine | 100,0 | 19,5 | 71,6 | 5,9 | 0,0 | 3,0 |
| <i>Business sector</i> | 100,0 | 11,7 | 0,0 | 85,8 | 0,0 | 2,5 |
| <i>Government sector</i> | 100,0 | 9,8 | 76,3 | 5,9 | 0,0 | 8,0 |
| <i>Tertiary education</i> | 100,0 | 20,9 | 73,7 | 3,0 | 0,0 | 2,4 |
| SRBIJA – SOUTH | 100,0 | 8,9 | 68,3 | 8,9 | 0,0 | 13,9 |
| <i>Business sector</i> | 100,0 | 26,4 | 9,9 | 3,0 | 0,0 | 60,7 |
| <i>Government sector</i> | 100,0 | 1,0 | 46,2 | 52,4 | 0,0 | 0,3 |
| <i>Tertiary education</i> | 100,0 | 7,0 | 84,8 | 2,4 | 0,1 | 5,7 |
| <i>Non-profit sector</i> | 100,0 | 0,0 | 4,6 | 0,0 | 0,0 | 95,4 |
| Region Sumadije i Zapadne Srbije | 100,0 | 11,2 | 69,3 | 0,1 | 0,0 | 19,4 |
| <i>Business sector</i> | 100,0 | 12,2 | 12,3 | 0,4 | 0,0 | 75,1 |
| <i>Government sector</i> | 100,0 | 7,8 | 92,2 | 0,0 | 0,0 | 0,0 |
| <i>Tertiary education</i> | 100,0 | 11,4 | 86,8 | 0,0 | 0,0 | 1,8 |
| <i>Non-profit sector</i> | 100,0 | 0,0 | 4,6 | 0,0 | 0,0 | 95,4 |
| Region Juzne i Istocne Srbije | 100,0 | 6,2 | 67,1 | 19,2 | 0,1 | 7,4 |
| <i>Business sector</i> | 100,0 | 85,7 | 0,0 | 14,0 | 0,0 | 0,3 |
| <i>Government sector</i> | 100,0 | 0,0 | 39,3 | 60,3 | 0,0 | 0,3 |
| <i>Tertiary education</i> | 100,0 | 1,5 | 82,4 | 5,4 | 0,1 | 10,5 |
| Region Kosovo i Metohija | ... | ... | ... | ... | ... | ... |

13-1. Value of R&D works by primary socio-economic objectives, 2011

| Primary socio-economic objectives | Total | Of which budgetary funds |
|--|---------------------|--------------------------|
| REPUBLIC OF SERBIA | 24683992 151 | 85376 |
| <i>Business sector</i> | 2316558 | 59993 |
| Development of agriculture, forestry and fishing | 90026 | - |
| Promotion of industrial development technology | 299866 | 30000 |
| Production and rational use of energy | 1173430 | 12041 |
| Transport and communications | 38057 | 40 |
| Urban and rural planning | 100 | 30 |
| Combatting pollution | 54947 | 40 |
| Health | 328085 | 14243 |
| Social development and services | 224866 | - |
| Exploration and exploitation of Earth and atmosphere | 8214 | - |
| General advancement of knowledge | 11598 | 3599 |
| Defense | 87369 | - |
| <i>Government sector</i> | 8336924 | 5740211 |
| Development of agriculture, forestry and fishing | 1648282 | 866692 |
| Promotion of industrial development technology | 1659170 | 737784 |
| Production and rational use of energy | 268577 | 87798 |
| Transport and communications | 137530 | 55879 |
| Urban and rural planning | 95665 | 52691 |
| Combatting pollution | 54070 | 46786 |
| Identification and treatment of pollution | 14098 | 14098 |
| Health | 88581 | 88581 |
| Social development and services | 1070070 | 842089 |
| Exploration and exploitation of Earth and atmosphere | 139228 | 136335 |
| General advancement of knowledge | 3161653 | 2811478 |
| <i>Tertiary education</i> | 13999017 | 9382900 |
| Development of agriculture, forestry and fishing | 1036599 | 968909 |
| Promotion of industrial development technology | 1274047 | 1117042 |
| Production and rational use of energy | 617473 | 411539 |
| Transport and communications | 381671 | 247507 |

13-1. Value of R&D works by primary socio-economic objectives, 2011 (continued)

Thous. RSD

| Primary socio-economic objectives | Total | Of which budgetary funds |
|--|---------------------|--------------------------|
| Urban and rural planning | 57921 | 42031 |
| Combatting pollution | 235274 | 215210 |
| Identification and treatment of pollution | 307264 | 177263 |
| Health | 1312772 | 1019352 |
| Social development and services | 3648537 | 1744989 |
| Exploration and exploitation of Earth and atmosphere | 819334 | 471885 |
| General advancement of knowledge | 4266546 | 2936461 |
| Defense | 41579 | 30712 |
| <i>Non-profit sector</i> | 31493 | 2272 |
| Development of agriculture, forestry and fishing | 1336 | 912 |
| Social development and services | 30157 | 1360 |
| SRBIJA – NORTH | 22574521 | 13750187 |
| <i>Business sector</i> | 2014581 | 33739 |
| Development of agriculture, forestry and fishing | 89507 | - |
| Promotion of industrial development technology | 274989 | 30000 |
| Production and rational use of energy | 1112749 | 30 |
| Transport and telecommunications | 33417 | 40 |
| Urban and rural planning | 100 | 30 |
| Combatting pollution | 54766 | 40 |
| Health | 301583 | - |
| Social development and services | 41970 | - |
| Exploration and exploitation of Earth and atmosphere | 8214 | - |
| General advancement of knowledge | 9917 | 3599 |
| Defense | 87369 | - |
| <i>Government sector</i> | 8066538 | 5615164 |
| Development of agriculture, forestry and fishing | 1445068 | 808817 |
| Promotion of industrial development technology | 1615664 | 694278 |
| Production and rational use of energy | 263040 | 82261 |
| Transport and telecommunications | 137530 | 55879 |
| Urban and rural planning | 93792 | 50818 |
| Combatting pollution | 54070 | 46786 |
| Health | 86423 | 86423 |
| Social development and services | 1070070 | 842089 |
| Exploration and exploitation of Earth and atmosphere | 139228 | 136335 |
| General advancement of knowledge | 3161653 | 2811478 |
| <i>Tertiary education</i> | 12485081 | 8099924 |
| Development of agriculture, forestry and fishing | 930211 | 870544 |
| Promotion of industrial development technology | 881651 | 781968 |
| Production and rational use of energy | 555136 | 355531 |
| Transport and telecommunications | 327935 | 208234 |
| Urban and rural planning | 42675 | 26785 |
| Combatting pollution | 227636 | 208491 |
| Identification and treatment of pollution | 307264 | 177263 |
| Health | 1172413 | 887512 |
| Social development and services | 3572143 | 1670940 |
| Exploration and exploitation of Earth and atmosphere | 817563 | 470114 |
| General advancement of knowledge | 3640492 | 2435580 |
| Defense | 9962 | 6962 |
| <i>Non-profit sector</i> | 8321 | 1360 |
| Development of agriculture, forestry and fishing | 424 | - |
| Social development and services | 7897 | 1360 |
| Beogradski region | 17850962 104 | 45261 |
| <i>Business sector</i> | 1863233 | 33739 |
| Development of agriculture, forestry and fishing | 84396 | - |
| Promotion of industrial development technology | 263337 | 30000 |
| Production and rational use of energy | 983036 | 30 |
| Transport and telecommunications | 33417 | 40 |
| Urban and rural planning | 100 | 30 |
| Combatting pollution | 54766 | 40 |
| Health | 300716 | - |
| Social development and services | 41970 | - |
| Exploration and exploitation of Earth and atmosphere | 4264 | - |
| General advancement of knowledge | 9862 | 3599 |
| Defense | 87369 | - |
| <i>Government sector</i> | 7602280 | 5270393 |
| Development of agriculture, forestry and fishing | 993120 | 475496 |
| Promotion of industrial development technology | 1603354 | 682828 |
| Production and rational use of energy | 263040 | 82261 |
| Transport and telecommunications | 137530 | 55879 |
| Urban and rural planning | 93792 | 50818 |
| Combatting pollution | 54070 | 46786 |
| Health | 86423 | 86423 |
| Social development and services | 1070070 | 842089 |
| Exploration and exploitation of Earth and atmosphere | 139228 | 136335 |
| General advancement of knowledge | 3161653 | 2811478 |

13-1. Value of R&D works by primary socio-economic objectives, 2011 (continued)

Thous. RSD

| Primary socio-economic objectives | Total | Of which budgetary funds |
|--|--------------------|--------------------------|
| <i>Tertiary education</i> | 8377128 | 5139769 |
| Development of agriculture, forestry and fishing | 615915 | 590100 |
| Promotion of industrial development technology | 440214 | 371985 |
| Production and rational use of energy | 432900 | 233295 |
| Transport and communications | 266954 | 157253 |
| Urban and rural planning | 42675 | 26785 |
| Combatting pollution | 2898 | 2898 |
| Identification and treatment of pollution | 830 | 830 |
| Health | 1018461 | 834490 |
| Social development and services | 3075885 | 1516145 |
| Exploration and exploitation of Earth and atmosphere | 699616 | 394538 |
| General advancement of knowledge | 1770818 | 1004488 |
| Defense | 9962 | 6962 |
| <i>Non-profit</i> | 8321 | 1360 |
| Development of agriculture, forestry and fishing | 424 | - |
| Social development and services | 7897 | 1360 |
| Region Vojvodine | 4723559 330 | 4926 |
| <i>Business sector</i> | 151348 | - |
| Development of agriculture, forestry and fishing | 5111 | - |
| Promotion of industrial development technology | 11652 | - |
| Production and rational use of energy | 129713 | - |
| Health | 867 | - |
| Exploration and exploitation of Earth and atmosphere | 3950 | - |
| General advancement of knowledge | 55 | - |
| <i>Government sector</i> | 464258 | 344771 |
| Development of agriculture, forestry and fishing | 451948 | 333321 |
| Promotion of industrial development technology | 12310 | 11450 |
| <i>Tertiary education</i> | 4107953 | 2960155 |
| Development of agriculture, forestry and fishing | 314296 | 280444 |
| Promotion of industrial development technology | 441437 | 409983 |
| Production and rational use of energy | 122236 | 122236 |
| Transport and telecommunications | 60981 | 50981 |
| Combatting pollution | 224738 | 205593 |
| Identification and treatment of pollution | 306434 | 176433 |
| Health | 153952 | 53022 |
| Social development and services | 496258 | 154795 |
| Exploration and exploitation of Earth and atmosphere | 117947 | 75576 |
| General advancement of knowledge | 1869674 | 1431092 |
| SRBIJA – SOUTH | 1134346 | 781317 |
| <i>Business sector</i> | 243828 | 26254 |
| Development of agriculture, forestry and fishing | 519 | - |
| Promotion of industrial development technology | 12311 | - |
| Production and rational use of energy | 16386 | 12011 |
| Transport and telecommunications | 4640 | - |
| Combatting pollution | 181 | - |
| Health | 25391 | 14243 |
| Social development and services | 182741 | - |
| General advancement of knowledge | 1659 | - |
| <i>Government sector</i> | 35325 | 32578 |
| Development of agriculture, forestry and fishing | 35325 | 32578 |
| Promotion of industrial development technology | 832021 | 721573 |
| Production and rational use of energy | 106229 | 98206 |
| Urban and rural planning | 170163 | 135440 |
| Identification and treatment of pollution | 20072 | 17336 |
| Health | 34273 | 29273 |
| <i>Tertiary education</i> | 6168 | 6168 |
| Development of agriculture, forestry and fishing | 3861 | 2942 |
| Promotion of industrial development technology | 45723 | 37204 |
| Production and rational use of energy | 25871 | 25821 |
| Transport and telecommunications | 419661 | 369183 |
| Urban and rural planning | 23172 | 912 |
| Combatting pollution | 912 | 912 |
| Health | 22260 | - |
| Social development and services | 975125 | 653872 |
| Exploration and exploitation of Earth and atmosphere | 58149 | - |
| General advancement of knowledge | 12566 | - |
| Defense | 44295 | - |
| <i>Non-profit sector</i> | 1111 | - |
| Development of agriculture, forestry and fishing | 155 | - |
| Social development and services | 22 | - |

13-1. Value of R&D works by primary socio-economic objectives, 2011 (continued)

Thous. RSD

| Primary socio-economic objectives | Total | Of which budgetary funds |
|--|---------------|--------------------------|
| Region of Sumadije i Zapadne Srbije | 235061 | 92469 |
| <i>Business sector</i> | 167889 | 25297 |
| Development of agriculture, forestry and fishing | 43506 | 43506 |
| Promotion of industrial development technology | 5537 | 5537 |
| Production and rational use of energy | 1873 | 1873 |
| Transport and telecommunications | 14098 | 14098 |
| Combatting pollution | 2158 | 2158 |
| Health | 681915 | 561403 |
| Social development and services | 159 | 159 |
| General advancement of knowledge | 222233 | 199634 |
| <i>Government sector</i> | 42265 | 38672 |
| Development of agriculture, forestry and fishing | 19463 | 10000 |
| <i>Tertiary education</i> | 9078 | 9078 |
| Development of agriculture, forestry and fishing | 3777 | 3777 |
| Promotion of industrial development technology | 94636 | 94636 |
| Production and rational use of energy | 50523 | 48228 |
| Transport and telecommunications | 1771 | 1771 |
| Urban and rural planning | 206393 | 131698 |
| Combatting pollution | 31617 | 23750 |
| Health | 45723 | 37204 |
| Social development and services | 25871 | 25821 |
| General advancement of knowledge | 419661 | 369183 |
| <i>Non-profit sector</i> | 23172 | 912 |
| Development of agriculture, forestry and fishing | 912 | 912 |
| Social development and services | 22260 | - |
| Region Juzne i Istocne Srbije | 975125 | 653872 |
| <i>Business sector</i> | 58149 | - |
| Development of agriculture, forestry and fishing | 12566 | - |
| Production and rational use of energy | 44295 | - |
| Health | 1111 | - |
| Social development and services | 155 | - |
| General advancement of knowledge | 22 | - |
| <i>Government sector</i> | 235061 | 92469 |
| Development of agriculture, forestry and fishing | 167889 | 25297 |
| Promotion of industrial development technology | 43506 | 43506 |
| Production and rational use of energy | 5537 | 5537 |
| Urban and rural planning | 1873 | 1873 |
| Identification and treatment of pollution | 14098 | 14098 |
| Health | 2158 | 2158 |
| <i>Tertiary education</i> | 681915 | 561403 |
| Development of agriculture, forestry and fishing | 159 | 159 |
| Promotion of industrial development technology | 222233 | 199634 |
| Production and rational use of energy | 42265 | 38672 |
| Transport and telecommunications | 19463 | 10000 |
| Urban and rural planning | 9078 | 9078 |
| Combatting pollution | 3777 | 3777 |
| Health | 94636 | 94636 |
| Social development and services | 50523 | 48228 |
| Exploration and exploitation of Earth and atmosphere | 1771 | 1771 |
| General advancement of knowledge | 206393 | 131698 |
| Defense | 31617 | 23750 |
| Region Kosovo i Metohija | ... | ... |

14-1. Investments in R&D, by activities, 2011

Thous. RSD

| | Total | Of which budgetary funds |
|---|-----------------|--------------------------|
| REPUBLIC OF SERBIA | 24683992 | 15185376 |
| <i>Business sector</i> | 2316558 | 59993 |
| Agriculture | 2419 | - |
| Fishing | 51261 | - |
| Mining and quarrying | 24688 | - |
| Extraction of crude petroleum and natural gas | 129713 | - |
| Mining of metal ores | 8165 | - |
| Other mining and quarrying | 2993 | - |
| Manufacture of tobacco products | 3471 | - |
| Manufacture of woods and of products of wood | 62049 | - |
| Production of pulp, paper and of articles of paper | 4453 | - |
| Publishing activities | 9324 | - |
| Manufacture of coke, refined petroleum products and nuclear fuels | 12922 | - |
| Manufacture of chemicals and chemical products | 1111 | - |
| Manufacture of rubber and plastic products | 87663 | - |
| Manufacture of other non-metallic mineral products | 13247 | 2646 |
| Manufacture of basic metals | 6783 | - |
| Manufacture of fabricated metal products | 7448 | - |
| Manufacture of electrical equipment | 5240 | - |
| Manufacture of other transport equipment | 1081277 | - |
| Manufacture of furniture | 12011 | 12011 |
| Construction | 55680 | - |
| Wholesale trade and intermediation | 69870 | - |
| Retail trade | 32306 | - |
| Air transport | 13376 | 913 |
| Postal activities and telecommunications | 72 | - |
| Real estate activities | 105875 | - |
| Rental of machinery and equipment without operator | 17653 | - |
| Computer programming, consultancy and related activities | 293128 | 44243 |
| Scientific development and research | 3662 | - |
| Other professional, scientific and technical activities | 14303 | - |
| Health and social work activities | 2900 | - |
| Activities of membership organizations | 181495 | 180 |
| <i>Government sector</i> | 8336924 | 5740211 |
| Computer programming, consultancy and related activities | 7938587 | 5436288 |
| Scientific development and research | 387147 | 294714 |
| Health and social work activities | 11190 | 9209 |
| <i>Tertiary education</i> | 13999017 | 9382900 |
| Sale, maintenance and repair of motor vehicles | 33852 | - |
| Computer programming, consultancy and related activities | 29486 | 29486 |
| Health and social work activities | 13935679 | 9353414 |
| <i>Non-profit sector</i> | 31493 | 2272 |
| Activities of membership organizations | 31493 | 2272 |
| SRBIJA – NORTH | 22574521 | 13750187 |
| <i>Business sector</i> | 2014581 | 33739 |
| Agriculture | 2419 | - |
| Fishing | 51261 | - |
| Mining and quarrying | 24130 | - |
| Extraction of crude petroleum and natural gas | 129713 | - |
| Mining of metal ores | 2993 | - |
| Manufacture of woods and of products of wood | 62049 | - |
| Production of pulp, paper and of articles of paper | 4453 | - |
| Manufacture of coke, refined petroleum products and nuclear fuels | 11652 | - |
| Manufacture of rubber and plastic products | 87650 | - |
| Manufacture of other non-metallic mineral products | 11226 | 2646 |
| Manufacture of basic metals | 6515 | - |
| Manufacture of fabricated metal products | 5111 | - |
| Manufacture of other transport equipment | 1036982 | - |
| Construction | 55674 | - |
| Wholesale trade and intermediation | 69526 | - |
| Retail trade | 32044 | - |
| Air transport | 8736 | 913 |
| Postal activities and telecommunications | 72 | - |
| Real estate activities | 104625 | - |
| Rental of machinery and equipment without operator | 17653 | - |
| Computer programming, consultancy and related activities | 267737 | 30000 |
| Scientific research and development | 3662 | - |
| Other professional, scientific and technical activities | 14303 | - |
| Health and social work activities | 2900 | - |
| Activities of membership organizations | 1495 | 180 |
| <i>Government sector</i> | 8066538 | 5615164 |
| Computer programming, consultancy and related activities | 7668201 | 5311241 |
| Scientific research and development | 387147 | 294714 |
| Health and social work activities | 11190 | 9209 |

14-1. Investments in R&D, by activities, 2011 (continued)

Thous. RSD

| | Total | Of which budgetary funds |
|---|---------------------|--------------------------|
| <i>Tertiary education</i> | 12485081 | 8099924 |
| Sale, maintenance and repair of motor vehicles | 33852 | - |
| Human health and social work activities | 12451229 | 8099924 |
| <i>Non-profit sector</i> | 8321 | 1360 |
| Activities of membership organizations | 8321 | 1360 |
| Beogradski region | 17850962 104 | 45261 |
| <i>Business sector</i> | 1863233 | 33739 |
| Agriculture | 2419 | - |
| Fishing | 51261 | - |
| Mining | 24130 | - |
| Mining and quarrying | 2993 | - |
| Manufacture of wood and of products of wood | 62049 | - |
| Manufacture of pulp, paper and of articles of paper | 4453 | - |
| Manufacture of rubber and plastic products | 87650 | - |
| Manufacture of other non-metallic mineral products | 7276 | 2646 |
| Manufacture of basic metals | 6515 | - |
| Manufacture of other transport equipment | 1036982 | - |
| Construction | 55674 | - |
| Wholesale trade and intermediation | 68604 | - |
| Retail trade | 32044 | - |
| Air transport | 8736 | 913 |
| Postal activities and telecommunications | 72 | - |
| Real estate activities | 104625 | - |
| Rental of machinery and equipment without operator | 17653 | - |
| Computer programming, consultancy and related activities | 267737 | 30000 |
| Scientific research and development | 3662 | - |
| Other professional, scientific and technical activities | 14303 | - |
| Human health and social work activities | 2900 | - |
| Activities of membership organizations | 1495 | 180 |
| <i>Government sector</i> | 7602280 | 5270393 |
| Computer programming, consultancy and related activities | 7203943 | 4966470 |
| Scientific research and development | 387147 | 294714 |
| Human health and social work activities | 11190 | 9209 |
| <i>Tertiary education</i> | 8377128 | 5139769 |
| Health and social work activities | 8377128 | 5139769 |
| <i>Non-profit sector</i> | 8321 | 1360 |
| Activities of membership organizations | 8321 | 1360 |
| Region Vojvodine | 4723559 330 | 4926 |
| <i>Business sector</i> | 151348 | - |
| Extraction of crude petroleum and natural gas | 129713 | - |
| Manufacture of coke, refined petroleum products and nuclear fuels | 11652 | - |
| Manufacture of other non-metallic mineral products | 3950 | - |
| Manufacture of fabricated metal products | 5111 | - |
| Wholesale trade and intermediation | 922 | - |
| <i>Government sector</i> | 464258 | 344771 |
| Computer programming, consultancy and related activities | 464258 | 344771 |
| <i>Tertiary education</i> | 4107953 | 2960155 |
| Sale, maintenance and repair of motor vehicles | 33852 | - |
| Human health and social work activities | 4074101 | 2960155 |
| SRBIJA – SOUTH | 2109471 | 1435189 |
| <i>Business sector</i> | 301977 | 26254 |
| Mining and quarrying | 558 | - |
| Mining of metal ores | 8165 | - |
| Manufacture of tobacco products | 3471 | - |
| Publishing activities | 9324 | - |
| Manufacture of coke, refined petroleum products and nuclear fuels | 1270 | - |
| Manufacture of chemicals and chemical products | 1111 | - |
| Manufacture of rubber and plastic products | 13 | - |
| Manufacture of other non-metallic mineral products | 2021 | - |
| Manufacture of basic products | 268 | - |
| Manufacture of fabricated metal products | 2337 | - |
| Manufacture of electrical equipment | 5240 | - |
| Manufacture of other transport equipment | 44295 | - |
| Manufacture of furniture | 12011 | 12011 |
| Construction | 6 | - |
| Wholesale trade and intermediation | 344 | - |
| Retail trade | 262 | - |
| Air transport | 4640 | - |
| Real estate activities | 1250 | - |
| Computer programming, consultancy and related activities | 25391 | 14243 |
| Activities of membership organizations | 180000 | - |

14-1. Investments in R&D, by activities, 2011 (continued)

Thous. RSD

| | Total | Of which budgetary funds |
|---|----------------|--------------------------|
| <i>Government sector</i> | 270386 | 125047 |
| Computer programming, consultancy and related activities | 270386 | 125047 |
| <i>Tertiary education</i> | 1513936 | 1282976 |
| Computer programming, consultancy and related activities | 29486 | 29486 |
| Human health and social work activities | 1484450 | 1253490 |
| <i>Non-profit sector</i> | 23172 | 912 |
| Activities of membership organisations | 23172 | 912 |
| Region Sumadije i Zapadne Srbije | 1134346 | 781317 |
| <i>Business sector</i> | 243828 | 26254 |
| Manufacture of tobacco products | 3471 | - |
| Publishing activities | 9324 | - |
| Manufacture of coke, refined petroleum products and nuclear fuels | 1270 | - |
| Manufacture of rubber and plastic products | 13 | - |
| Manufacture of other non-metallic mineral products | 2021 | - |
| Manufacture of basic metals | 268 | - |
| Manufacture of fabricated metal products | 2337 | - |
| Manufacture of electrical equipment | 1659 | - |
| Manufacture of furniture | 12011 | 12011 |
| Wholesale trade and intermediation | 173 | - |
| Air transport | 4640 | - |
| Real estate activities | 1250 | - |
| Computer programming, consultancy and related activities | 25391 | 14243 |
| Activities of membership organizations | 180000 | - |
| <i>Government sector</i> | 35325 | 32578 |
| Computer programming, consultancy and related activities | 35325 | 32578 |
| <i>Tertiary education</i> | 832021 | 721573 |
| Human health and social work activities | 832021 | 721573 |
| <i>Non-profit activities</i> | 23172 | 912 |
| Activities of membership organizations | 23172 | 912 |
| Region Juzne Srbije i Istocne Srbije | 975125 | 653872 |
| <i>Business sector</i> | 58149 | - |
| Mining and quarrying | 558 | - |
| Mining of metal ores | 8165 | - |
| Manufacture of chemicals and chemical products | 1111 | - |
| Manufacture of electrical equipment | 3581 | - |
| Manufacture of other transport equipment | 44295 | - |
| Wholesale trade and intermediation | 6 | - |
| Wholesale trade and intermediation | 171 | - |
| Retail trade | 262 | - |
| <i>Government sector</i> | 235061 | 92469 |
| Computer programming, consultancy and related activities | 235061 | 92469 |
| <i>Tertiary education</i> | 681915 | 561403 |
| Computer programming, consultancy and related activities | 29486 | 29486 |
| Human health and social work activities | 652429 | 531917 |
| Region Kosovo i Metohija | ... | ... |

Code of the survey: 021010

ANNUAL REPORT ON RESEARCH AND DEVELOPMENT FOR FACULTIES, R&D INSTITUTES IN 2011

Response obligation is based on Article 26, and punitive provisions for response refusal or provision of incomplete or incorrect data on Article 52 of the Law on Official Statistics („Сл. гласник РС“, бр. 104/2009).

The data will be used exclusively for statistical purposes and will not be published as personal data.
All the data are confidential.

This report is to be filled in by faculties, scientific institutes and R&D institutes that carried out in 2012 R&D activities according to the law on Research and Development Activity, "Official Journal of the RS", numbers 110/05 and 18/2010.
The report is to be filled in and transmitted to the competent statistical office **not later than 20 May 2013**. Before completing the report, read carefully the general instructions on the last page of the questionnaire as well as the explanations with every table. **All financial indicators are to be expressed in thousands dinars.**

I FULL NAME OF THE REPORTING UNIT

Enter the name of the organization as indicated in the Court Register, i.e. application for the registration of scientific organizations and institutions. The research unit should enter the full name of the scientific organization and institution it is incorporated in, as well as its own name; in tables are to be shown data **referring on ly to the unit**, but not to the whole scientific organization/institution.

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|

Registration number

II ADDRESS – MUNICIPALITY _____

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| | | | | | | | |
|--|--|--|--|--|--|--|--|

Street and number _____ Telephone _____

R&D units should enter **their address**, but not the address of the institution they are incorporated in.

III ACTIVITY _____

Enter the name and code according to the Classification of Activities, 2010

| | | | | |
|--|--|--|--|--|
| | | | | |
|--|--|--|--|--|

IV OWNERSHIP (circle the corresponding number)

| | |
|-------------------|---|
| state-owned | 1 |
| private | 2 |
| mixed | 3 |

V SCIENTIFIC FIELD _____

Enter the name and code according to the Classification of Scientific Fields (annexed)

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|

1. FULL-TIME AND PART-TIME EMPLOYEES ENGAGED ON R&D ACTIVITIES, EXPRESSED IN NUMBER OF PHYSICAL PERSONS AND FULL-TIME EQUIVALENT (as of 31/12/ 2012)

| | Total employees engaged on R&D activities | | | | Number of full-time employees engaged on R&D activities | | Part-time employees engaged on R&D activities | | | |
|----|---|-------------|----------------------|--------------|---|-------|---|-------|----------------------|-------|
| | Number of employees | | Full-time equivalent | | Total | Women | Number of employees | | Full-time equivalent | |
| | Total (5+7) | Women (6+8) | Total (5+9) | Women (6+10) | | | Total | Women | Total | Women |
| a | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 01 | Total (02+14+18+19+20) | | | | | | | | | |
| 02 | Researchers - total (03 до 13) | | | | | | | | | |
| 03 | Researcher - apprentice | | | | | | | | | |
| 04 | Assistant researcher | | | | | | | | | |
| 05 | Scientific assistant | | | | | | | | | |
| 06 | Senior scientific assistant | | | | | | | | | |
| 07 | Scientific adviser | | | | | | | | | |
| 08 | Senior lecturer | | | | | | | | | |
| 09 | Associate professor | | | | | | | | | |
| 10 | Full professor | | | | | | | | | |
| 11 | Professor of vocational studies | | | | | | | | | |
| 12 | Lecturer | | | | | | | | | |
| 13 | Assistant lecturer | | | | | | | | | |
| 14 | Assistant researcher - total (15 to17) | | | | | | | | | |
| 15 | Assistant researcher | | | | | | | | | |
| 16 | Senior assistant researcher | | | | | | | | | |
| 17 | Assistant adviser | | | | | | | | | |
| 18 | Technicians | | | | | | | | | |
| 19 | Managers | | | | | | | | | |
| 20 | Other personnel (auxiliary) | | | | | | | | | |

Do not enter in the table employees engaged on protection and safety, in restaurants, cleaning personnel and related personnel (concierges, porter, cleaning ladies, cooks, etc.). If an extramural assistant sign with a R&D organization during the year two or more service contracts, i.e. author contracts, this should be counted only once.

In columns 7, 8, 9 and 10 (Part-time employees engaged on R&D activities), are to be shown employees who work only part-time (less than 90%, and more than 10%).

Data in columns 3, 4, 9 and 10 are to be shown **in decimal numbers with one decimal place**.

Instructions for entering the data in columns 3, 4, 9 and 10 **on full-time equivalent**.

Equivalent: FTE

| Employees in R&D, part-time (less than 90%, and more than 10%) | Number of employees | Full-time equivalent (FTE) |
|--|---------------------|----------------------------|
|--|---------------------|----------------------------|

| | | |
|---|-------------------|--------------|
| Total number of employees | 8 | = 2,7 |
| 3 persons work all the year round only half-time | (3 x 0,5) | 3 |
| 2 persons work all the year round only 20% of work time | (2 x 0,2) | 2 |
| 1 person works full-time | (1 x 0,5) | 1 |
| 2 persons employed 8 months with 25% work time | (2 x 0,67 x 0,25) | 2 |
| | | = 1,5 |
| | | = 0,4 |
| | | = 0,5 |
| | | = 0,3 |

Remark: Full-time employee engaged on R&D activities corresponds to the unit of full-time equivalent (= 1 FTE).

2. EMPLOYEES ENGAGED ON R&D ACTIVITIES ON SERVICE CONTRACT (SC) OR AUTHOR CONTRACT (AC), EXPRESSED IN NUMBER OF PHYSICAL PERSONS AND FULL-TIME EQUIVALENT, in 2012

| | | Employees engaged on AC or AU in R&D field | | | | Full-time employees engaged on AC or AU, in R&D field | | Part-time employees engaged on AC or AU, in R&D field | | | |
|----|-----------------------------|--|-------------|----------------------|--------------|---|-------|---|-------|----------------------|-------|
| | | Number of employees | | Full-time equivalent | | Total | Women | Number of employees | | Full-time equivalent | |
| | | Total (5+7) | Women (6+8) | Total (5+9) | Women (6+10) | | | Total | Women | Total | Women |
| a | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 01 | Total (02 to 06) | | | | | | | | | | |
| 02 | Researchers | | | | | | | | | | |
| 03 | Assistant researchers | | | | | | | | | | |
| 04 | Technicians | | | | | | | | | | |
| 05 | Managers | | | | | | | | | | |
| 06 | Other employees (auxiliary) | | | | | | | | | | |

Remarks relative to Table 1 refer also to this table.

3. FULL-TIME AND PART-TIME EMPLOYEES ENGAGED ON R&D, ACCORDING TO EDUCATIONAL ATTAINMENT, EXPRESSED IN PHYSICAL NUMBER OF PERSONS (as of 31/12/ 2012)

| | | Total | | Educational attainment | | | | | | | | | | | |
|----|-----------------------------|-------|-------|------------------------|-------|-----------------|-------|----------------|-------|----------------------|-------|----------------------|-------|-------------------------------|-------|
| | | | | Doctor's degree | | Master's degree | | Specialization | | University education | | Vocational education | | Secondary and other education | |
| | | All | Women | All | Women | All | Women | All | Women | All | Women | All | Women | All | Women |
| a | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 01 | Total (02 to 06) | | | | | | | | | | | | | | |
| 02 | Researchers | | | | | | | | | | | X | X | X | X |
| 03 | Assistant researchers | | | | | | | | | | | | | X | X |
| 04 | Technicians | | | | | | | | | | | | | | |
| 05 | Managers | | | | | | | | | | | | | X | X |
| 06 | Other employees (auxiliary) | | | | | | | | | | | | | | |

Remark: The table is to be filled in as follows: in columns 1 and 2, copy the values from **columns 1 and 2 of table 1**, then proceed with entering the data. Also, the sum of odd columns should equal the data from column 1, and the sum of even column should equal the data from column 2.

**4. EMPLOYEES ENGAGED ON R&D ACTIVITIES, BASED ON SERVICE CONTRACT (SC) AND AUTHOR CONTRACT (AC), BY EDUCATIONAL ATTAINMENT
EXPRESSED IN NUMBER OF PHYSICAL PERSONS, in 2012**

| | | Total | | Educational attainment | | | | | | | | | | | |
|----|-----------------------------|-------|-------|------------------------|-------|-----------------|-------|----------------|-------|----------------------|-------|----------------------|-------|-------------------------------|-------|
| | | | | Doctor's degree | | Master's degree | | Specialization | | University education | | Vocational education | | Secondary and other education | |
| | | All | Women | All | Women | All | Women | All | Women | All | Women | All | Women | All | Women |
| a | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 01 | Total (02 to 06) | | | | | | | | | | | | | | |
| 02 | Researchers | | | | | | | | | | | X | X | X | X |
| 03 | Assistant researchers | | | | | | | | | | | | | X | X |
| 04 | Technicians | | | | | | | | | | | | | | |
| 05 | Managers | | | | | | | | | | | | | X | X |
| 06 | Other employees (auxiliary) | | | | | | | | | | | | | | |

Remark: The table is to be filled in as follows: in columns 1 and 2, copy the values from **columns 1 and 2 of table 2**, then proceed with entering the data. Also, the sum of odd columns should equal the data from column 1, and the sum of even column should equal the data from column 2.

**5. FULL-TIME AND PART-TIME EMPLOYEES ENGAGED ON R&D, BY EDUCATIONAL ATTAINMENT,
EXPRESSED IN FULL-TIME EQUIVALENT (as of 31/12/ 2012)**

| | | Total | | Educational attainment | | | | | | | | | | | |
|----|-----------------------------|-------|-------|------------------------|-------|-----------------|-------|----------------|-------|----------------------|-------|----------------------|-------|-------------------------------|-------|
| | | | | Doctor's degree | | Master's degree | | Specialization | | University education | | Vocational education | | Secondary and other education | |
| | | All | Women | All | Women | All | Women | All | Women | All | Women | All | Women | All | Women |
| a | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 01 | Total (02 to 06) | | | | | | | | | | | | | | |
| 02 | Researchers | | | | | | | | | | | X | X | X | X |
| 03 | Assistant researchers | | | | | | | | | | | | | X | X |
| 04 | Technicians | | | | | | | | | | | | | | |
| 05 | Managers | | | | | | | | | | | | | X | X |
| 06 | Other employees (auxiliary) | | | | | | | | | | | | | | |

Remark: The table is to be filled in as follows: in columns 1 and 2, copy the values from **columns 3 and 4 of table 1**, then proceed with entering the data. Also, the sum of odd columns should equal the data from column 1, and the sum of even column should equal the data from column 2.

**6. EMPLOYEES ENGAGED ON R&D ACTIVITIES, BASED ON SERVICE CONTRACT (SC) AND AUTHOR CONTRACT (AC), BY EDUCATIONAL ATTAINMENT
EXPRESSED IN FULL-TIME EQUIVALENT, (as of 31/ 12/ 2012)**

| | | Total | | Educational attainment | | | | | | | | | | | |
|----|-----------------------------|-------|-------|------------------------|-------|-----------------|-------|----------------|-------|----------------------|-------|----------------------|-------|-------------------------------|-------|
| | | | | Doctor's degree | | Master's degree | | Specialization | | University education | | Vocational education | | Secondary and other education | |
| | | All | Women | All | Women | All | Women | All | Women | All | Women | All | Women | All | Women |
| a | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 01 | Total (02 to 06) | | | | | | | | | | | | | | |
| 02 | Researchers | | | | | | | | | | | X | X | X | X |
| 03 | Assistant researchers | | | | | | | | | | | | | X | X |
| 04 | Technicians | | | | | | | | | | | | | | |
| 05 | Managers | | | | | | | | | | | | | X | X |
| 06 | Other personnel (auxiliary) | | | | | | | | | | | | | | |

Remark: The table is to be filled in as follows: in columns 1 and 2 copy the values from **columns 3 and 4 of table 2**, then proceed with entering the data. Also, the sum of odd columns should equal the data from column 1, and the sum of even columns should equal the data from column 2.

**7. FULL-TIME AND PART-TIME EMPLOYEES ENGAGED ON R&D, BY AGE AND SEX,
EXPRESSED IN NUMBER OF PHYSICAL PERSONS, (as of 31/ 12/ 2012)**

| | | Researchers | | | | Assistant researchers | | | | Technicians | | | | Managers | | | |
|----|-------------------------|-------------|-------|-----------|-------|-----------------------|-------|-----------|-------|-------------|-------|-----------|-------|-----------|-------|-----------|-------|
| | | Full-time | | Part-time | | Full-time | | Part-time | | Full-time | | Part-time | | Full-time | | Part-time | |
| | | All | Women | All | Women | All | Women | All | Women | All | Women | All | Women | All | Women | All | Women |
| a | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 01 | Total (02 to 12) | | | | | | | | | | | | | | | | |
| 02 | Under 25 years | | | | | | | | | | | | | | | | |
| 03 | 25 – 29 | | | | | | | | | | | | | | | | |
| 04 | 30 – 34 | | | | | | | | | | | | | | | | |
| 05 | 35 – 39 | | | | | | | | | | | | | | | | |
| 06 | 40 – 44 | | | | | | | | | | | | | | | | |
| 07 | 45 – 49 | | | | | | | | | | | | | | | | |
| 08 | 50 – 54 | | | | | | | | | | | | | | | | |
| 09 | 55 – 59 | | | | | | | | | | | | | | | | |
| 10 | 60 – 64 | | | | | | | | | | | | | | | | |
| 11 | 65 – 69 | | | | | | | | | | | | | | | | |
| 12 | 70 and over | | | | | | | | | | | | | | | | |

In the table, full-time and part-time R&D employees are to be broken down by age groups. It should be noted that **other personnel should not be broken down by age**. Shown are all those who are shown in column 1 from table 1, for "total number of employees" and in column 2 for "women". The data by categories in row 01 of this table should match **with data from table 1** (full-time and part-time employees), as follows:

Full-time employees

Researchers row 02, columns: 05, 06
 Assistant researchers row 14, columns: 05, 06
 Technicians row 18, columns: 05, 06
 Managers row 19, columns: 05, 06

Part-time employees

Researchers row 02, columns: 07, 08
 Assistant researchers row 14, columns: 07, 08
 Technicians row 18, columns: 07, 08
 Managers row 19, columns: 07, 08

**8. FULL-TIME AND PART-TIME RESEARCHERS, BY CITIZENSHIP AND SEX,
EXPRESSED IN NUMBER OF PHYSICAL PERSONS**

| Citizenship (by geographical position of the country) | | Total number of researchers in 2012 (as of 31/12/ 2012) | | Researchers who came in Serbia in 2012 | | Researchers who went abroad in 2012 | | Planned number of researchers for 2013 |
|---|--------------------------|--|-------|---|-------|--|-------|---|
| | | Total | Women | Total | Women | Total | Women | |
| a | | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 01 | Total (02 to 05) | | | | | | | |
| 02 | Serbia | | | | | | | |
| 03 | EU member countries | | | | | | | |
| 04 | Other European countries | | | | | | | |
| 05 | Other | | | | | | | |

In table 8 full-time and part-time **researchers** are to be broken down by citizenship (geographical position of the country).

In columns 3 and 4, are to be shown all the researchers who came from abroad between 01/01/2012 and 21/12/2012 and worked in R&D activities more than 3 months.

In columns 5 and 6 are to be shown all the researchers who left Serbia between 01/01/ 2012 and 31/12/ 2012.

The data in row 01 in columns 1 and 2 of this table should **match the data in table 1 in columns 1 and 2**, i.e.:

Researchers – total

Women - total

9. EXPENDITURES FOR R&D ACTIVITIES IN 2012 (in thousands RSD)

| Expenditures for R&D | | | Spent in 2012 | Planned for 2013 |
|----------------------|---|---|-------------------------------|------------------|
| a | | | 1 | 2 |
| 01 | Total expenditure for R&D (02+07+12) | | | |
| 02 | Current costs | Total (03+05+06) | | |
| 03 | | Gross salaries and wages for all R&D employees | | |
| 04 | | Of which gross salaries and wages of researchers | | |
| 05 | | Other personal income of R&D employees (scholarships, prizes, etc.) | | |
| 06 | | Other | | |
| 07 | | Total (08 to 11) | | |
| 08 | | For material costs for R&D work (raw materials, equipment, energy) | | |
| 09 | | For payments based on service contracts and author contracts | | |
| 10 | | For daily allowances, travel costs, etc. | | |
| 11 | | Other operating costs and expenses (without depreciation) | | |
| 12 | | Investment costs | Total (13+14+16+17+18) | |
| 13 | For land and buildings | | | |
| 14 | For machinery and equipment | | | |
| 15 | Of which for imported machinery and equipment | | | |
| 16 | For patent, licenses, studies and projects | | | |
| 17 | For software and hardware ¹⁾ | | | |
| 18 | Other | | | |

1) Are to be shown total costs for the acquisition of computers, components and equipment, as well as costs for the acquisition and development of software for own account.

In table 9 are to be shown all funds **spent** in 2012 for R&D activities, as well as planned funds for 2013.

Remark: The data in row 01, column 1 (total expenditures for R&D) should equal the data in **table 10, in row 01** (sources of funds spent for R&D activities - total).

10. SOURCES OF FUNDS SPENT FOR R&D ACTIVITIES IN 2012

| Sources of funds | | | Amount in thousands RSD |
|------------------|---|---|---|
| a | | | 1 |
| 01 | Funds spent for R&D by sources - total (02 to 21) | | |
| 02 | Domestic funding (from Serbia) | Planned budgetary funds | From the Ministry of Science |
| 03 | | dedicated R&D | From the Ministry of Education |
| 04 | | | From other ministries |
| 05 | | | Funds for R&D from other government funds, agencies and foundations |
| 06 | | Funds for R&D from local authorities' bodies | |
| 07 | | Funds for R&D from enterprises | from "small" (0 - 49 employees) |
| 08 | | | from "medium" (50 - 249 employees) |
| 09 | | | from "large" (250 and more employees) |
| 10 | | Funds for R&D from non-profit organizations | |
| 11 | | Funds from patents, licenses, etc. (from inward sale) | |
| 12 | | Other funds for R&D from own sources | |
| 13 | | Funds from abroad | Funds from agreements on technological licenses |
| 14 | Funds from services for foreign ordering parties | | |
| 15 | Funds from joint investment in R&D | | |
| 16 | Funds for R&D from other countries' governments | | |
| 17 | Funds for R&D from the university and other tertiary education institutions | | |
| 18 | Funds for R&D from non-profit organizations | | |
| 19 | Funds for R&D from the European Commission | | |
| 20 | Funds for R&D from international organizations | | |
| 21 | Other | | |

In table 10 are to be shown funds **obtained** for R&D activities by sources.

Remark: The data in row 01 should equal the data in **table 9, row 01, column 1** (total expenditures for R&D).

11. VALUE OF R&D WORKS (PROJECTS AND STUDIES), BY SCIENTIFIC FIELDS AND TYPE OF RESEARCH (include also funded from own resources – in thousands RSD), 2012

| Scientific field | | Total | Type of research | | |
|------------------|-------------------------------|-------|------------------|---------|----------------------------|
| | | | Basic | Applied | Experimental (development) |
| a | | 1 | 2 | 3 | 4 |
| 01 | Total | | | | |
| 02 | Natural sciences, mathematics | | | | |
| 03 | Engineering and technology | | | | |
| 04 | Social sciences | | | | |
| 05 | Humanities | | | | |
| 06 | Medical sciences | | | | |
| 07 | Agricultural sciences | | | | |
| 08 | Multidisciplinary sciences | | | | |

The data in column TOTAL should match the data in column total in table 12.

For on-going projects (non-completed) is to be shown the value of completed phases of work up to the end of 2012.

Use the annexed classification to determine the scientific field of R&D works.

12. FUNDS FOR R&D BY PRIMARY SOCIO-ECONOMIC OBJECTIVES, 2012 (in thousands RSD)

| Primary socio-economic objectives | | Total | Of which budgetary funds |
|-----------------------------------|---|-------|--------------------------|
| a | | 1 | 2 |
| 01 | Total (02+03+04+05+06+07+08+09+10+11+12+13+20+27) | | |
| 02 | Exploration and exploitation of the earth exploitation | | |
| 03 | Environment | | |
| 04 | Exploration and exploitation of space | | |
| 05 | Transport, Telecommunication and other infrastructures | | |
| 06 | Energy | | |
| 07 | Industrial production and technology | | |
| 08 | Health | | |
| 09 | Agriculture | | |
| 10 | Education | | |
| 11 | Culture, recreation, religion and mass media | | |
| 12 | Political and social systems, structures and processes | | |
| 13 | General advancement of knowledge: R&D financed from GUF | | |
| 14 | R&D related to Natural Sciences - financed from GUF | | |
| 15 | R&D related to Engineering Sciences - financed from GUF | | |
| 16 | R&D related to Medical Sciences - financed from GUF | | |
| 17 | R&D related to Agricultural Sciences - financed from GUF | | |
| 18 | R&D related to Social Sciences - financed from GUF | | |
| 19 | R&D related to Humanities - financed from GUF | | |
| 20 | General advancement of knowledge: R&D financed other sources than GUF | | |
| 21 | R&D related to Natural Sciences - financed from other sources than GUF | | |
| 22 | R&D related to Engineering Sciences - financed from other sources than GUF | | |
| 23 | R&D related to Medical Sciences - financed from other sources than GUF | | |
| 24 | R&D related to Agricultural Sciences - financed from other sources than GUF | | |
| 25 | R&D related to Social Sciences - financed from other sources than GUF | | |
| 26 | R&D related to Humanities Sciences - financed from other sources | | |
| 27 | Defense | | |

13. NUMBER OF R&D WORKS (PROJECTS AND STUDIES, BY SCIENTIFIC FIELDS AND TYPES OF RESEARCH (include also projects funded from own resources), 2012

| Scientific field | | Total | Type of research | | |
|------------------|-------------------------------|-------|------------------|---------|----------------------------|
| | | | Basic | Applied | Experimental (development) |
| a | | 1 | 2 | 3 | 4 |
| 01 | Total | | | | |
| 02 | Natural sciences, mathematics | | | | |
| 03 | Engineering and technology | | | | |
| 04 | Social sciences | | | | |
| 05 | Humanities | | | | |
| 06 | Medical sciences | | | | |
| 07 | Agricultural sciences | | | | |
| 08 | Multidisciplinary sciences | | | | |

Remark: The row "Total" in this table should match the row "Total" in table 14.

14. NUMBER OF R&D WORKS BY ORDERING PARTIES AND TYPES OF RESEARCH, 2012

| Ordering party | | R&D works | | | |
|----------------|---------------------------------|----------------------------------|-----------------------------------|---------|----------------------------|
| | | Total (2 to 4) | Basic | Applied | Experimental (development) |
| a | | 1 | 2 | 3 | 4 |
| 01 | Total (02+09) | | | | |
| 02 | Ordering parties from Serbia | Inward – total (03 to 08) | | | |
| 03 | | For own account | | | |
| 04 | | Enterprises in Serbia | | | |
| 05 | | Ministry of Science | | | |
| 06 | | Ministry of Education | | | |
| 07 | | Other ministries | | | |
| 08 | | Other | | | |
| 09 | | Ordering parties from abroad | Outward – total (10 to 16) | | |
| 10 | enterprises | | | | |
| 11 | Other countries' governments | | | | |
| 12 | Non-profit organizations | | | | |
| 13 | Tertiary education institutions | | | | |
| 14 | European Commission | | | | |
| 15 | International organizations | | | | |
| 16 | Other | | | | |

15. PUBLISHED R&D ARTICLES AND MONOGRAPHS, 2012

| Total (actual number of projects) | | Published in publications | | |
|--------------------------------------|--|---------------------------|------------------|--------|
| | | Own | Others in Serbia | Abroad |
| 1 | | 2 | 3 | 4 |
| 01 | | | | |

In column every published paper should be counted only once regardless of the type of publications and the number of times it has been published.

16. INVENTIONS AND PATENTS, 2012

| R&D intensity | | Tested inventions | Patents | | Patents – inventions sold | | First-time practical use of patents and inventions |
|---------------|------------------------|-------------------|--------------------------------------|---|---------------------------|--------|--|
| | | | Pending patents in the Patent Office | Patents registered in the Patent Office | In Serbia | Abroad | |
| a | | 1 | 2 | 3 | 4 | 5 | 6 |
| 01 | Total | | | | | | |
| 02 | High technology | | | | | | |
| 03 | Medium high technology | | | | | | |
| 04 | Medium low technology | | | | | | |
| 05 | Low technology | | | | | | |

16a. SMALL INVENTIONS AND PATENTS, 2012

| R&D intensity | | Small tested inventions | Small patents | | Small patents – inventions sold | | First-time practical use of small patents and inventions |
|---------------|------------------------|-------------------------|--------------------------------------|---|---------------------------------|--------|--|
| | | | Pending patents in the Patent Office | Patents registered in the Patent Office | In Serbia | abroad | |
| a | | 1 | 2 | 3 | 4 | 5 | 6 |
| 01 | Total | | | | | | |
| 02 | High technology | | | | | | |
| 03 | Medium high technology | | | | | | |
| 04 | Medium low technology | | | | | | |
| 05 | Low technology | | | | | | |

on _____ 2013

Filled in by:

Manager:

(first name and surname)

(Seal)

(first name and surname)

Contact telephone: [] [] [] [] [] / [] [] [] [] [] [] [] [] [] []
(area prefix compulsory)

GENERAL DEFINITIONS AND EXPLANATIONS FOR FILLING IN THE FORM IR – 2

COVERAGE

This form serves to collect data on R&D activities which have been carried out in enterprises, as well as in: centers for technology transfer, innovation centers, business and technological incubators, and scientific and technological parks in Serbia in 2012.

An institute is a R&D organization that is engaged in R&D activity of general interest as laid down in the Law. An institute can be founded as an institution or enterprise.

Depending on the type of research and activity, organizational form and funding of own activity; an institute can carry out R&D activity as: scientific institute and R&D institute. As to ownership, an institute can be state-owned, private or in mixed ownership. A scientific institute is an institution which prevailing activity is relative to basic and applied researches, the latter serving to valorize the results of basic researches.

A research and development institute is an organization which primary activity is relative to applied and experimental (development) researches focused on satisfying the needs of direct users of research results.

Covered are all tertiary education institutions (faculties of science, arts academies, universities) whatever the ownership (state-owned, private or mixed).

The status of centers of excellence may be granted to an institute, i.e. tertiary education institution or their organizational part/s if they have achieved in a five-year period ultimate and internationally recognised scientific and professional results in a selected scientific discipline, having consequently developed international, technical and technological co-operation.

If the status of the centre of excellence acquires part/s of an institute, i.e. tertiary education institution, the centre does not have the capacity of a legal person.

Research and development organizations that can get accreditation for these activities are: institutes, faculties, integrated universities, centers of excellence and R&D organizations from the domain of defense and Serbian Armed Forces.

DEFINITION OF RESEARCH AND DEVELOPMENT ACTIVITY (R&D)

Research and development is a systematic creative work undertaken in view of discovering new stock of knowledge in order to raise the general civilization level of the society and use the knowledge in all social fields.

The scientific activity is realized through basic, applied and experimental (development) researches as well as through training personnel for R&D work.

- **BASIC** research is a creative, systematic activity focused on acquiring new knowledge on the origin and causes of phenomena and facts, without any particular application or use in view. The results of a basic research are often formulated a general principles, theories or rules.

- **APPLIED** research is undertaken whether to establish a possibility to use the results of a research, having in mind its practical application, or to find new methods or ways that facilitate the achievement of a particular objective set in advance. This survey starts from existing knowledge and examines it thoroughly in view of solving specific issues.

- **EX PERIMENTAL (DEVELOPMENT)** research is a creative systematic activity based on the results of the basic and applied research, and practical knowledge directed towards introducing new materials, products, devices, processes and methods.

The main difference between R&D activity and activities other than R&D is in the presence or absence of elements of novelty or innovation **to a greater extent**. If an activity introduces considerable improvements to technological characteristics, components, hardware and software, i.e. applies a new or significantly improved product, process or service, as well as new organizational methods, it is to be obligatorily **included** in this survey.

The coverage **excludes** activities that do not fall into R&D survey:

- routine tests and analyses of all forms, whether serving for the control of hardware, components or products or being focused on their quality and quantity (tests and analysis that are part of a R&D process should be however included);

- market research, operating research, work studies, costs analysis, management activities, etc;

- experimental production where product improvement is not the primary goal;

- design costs aiming at monitoring fashion trends and activities of art modeling;

- legal and administrative operations relative to the application and registration of patents, operations relative to the sale of patents and licenses, experimental activities carried out only for the purpose of patent registration.

OBJECTIVES OF R&D ACTIVITY:

- 1) development of science, technology and education in order to boost economic growth, increase the social product and raise citizens' living conditions;
- 2) preservation and development of general stock of knowledge, as a condition to inclusion to world integration processes;
- 3) preservation and development of total R&D potentials (R&D and educational institutions, scientific personnel and R&D infrastructure);
- 4) raising of the general level of technology in the economy and securing the competitiveness of goods and services on national and international markets;
- 5) establishing international scientific co-operation in view of faster integration into world scientific, economic, social and cultural trends, as well as inclusion in European research area;
- 6) orienting the society towards innovations, creation of cultural ambiance and creative education in order to preserve civilization patrimony and national identity.

FUNDING OF R&D ACTIVITY

Funds for R&D activity are secured from:

- 1) Founder's resources;
- 2) Budget of the Republic;
- 3) Budget of the autonomous province and units of local authorities;
- 4) Resources of enterprises, associations and other organizations;
- 5) Own income of R&D organizations;
- 6) Resources of domestic funds and foundations, gifts of legal and physical persons;
- 7) Resources of foreign foundations, legal and physical persons, donations;
- 8) Other sources provided that the autonomy and dignity of R&D activity is not exposed.

Sub-funding of programs and projects of regional significance for the development of R&D activity

Budgetary funds of the Republic of Serbia can be used to sub-finance programs and projects of regional significance for R&D activity, being:

1. projects of building R&D infrastructure;
2. R&D projects of regional significance (projects on international co-operation, projects on eco-systems and innovation projects carried out by small and medium enterprises);
3. program of development of R&D personnel.

METHODOLOGICAL BASIS

Methodological basis for this survey are the international standards set up by OECD and published in the FRASCATI Manual 2002. All international classifications are used and are annexed to the instructions for filling in the Annual Report on Research and Development Activity.

More explanations and instructions are available at the Statistical Office of the Republic of Serbia, Milana Rakica 5, Belgrade, Section of Science, Culture and Other Social Activities Statistics, telephone number: 011 2412922, extension 357.

ANNEXE

For filling in the Annual Report on Research and Development – IR in 2011

| CLASSIFICATION OF SCIENTIFIC FIELDS | |
|--|---|
| <p>1. <i>Natural sciences</i> 101 Mathematics 102 Computer and information sciences 103 Physical sciences 104 Chemical sciences 105 Earth and related environmental sciences 106 Biological sciences 107 Other natural sciences</p> <p>2. <i>Engineering and technology</i> 201 Civil engineering 202 Electrical engineering, electronic engineering and information engineering 203 Mechanical engineering 204 Chemical engineering 205 Materials engineering 206 Medical engineering 207 Environmental engineering 208 Environmental biotechnology 209 Industrial biotechnology 210 Nano-technology 211 Other engineering and technology</p> <p>3. <i>Medical and health sciences</i> 301 Basic medicine 302 Clinical medicine 303 Health science 304 Medical biotechnology 305 Other medical sciences</p> | <p>4. <i>Agricultural sciences</i> 401 Agriculture, forestry and fisheries 402 Animal and dairy science 403 Veterinary science 404 Agricultural biotechnology 405 Other agricultural sciences</p> <p>5. <i>Social sciences</i> 501 Psychology 502 Economics and business 503 Educational sciences 504 Sociology 505 Law 506 Political science 507 Social and economic geography 508 Media and communications 509 Other social sciences</p> <p>6. <i>Humanities</i> 601 History and archeology 602 Language and literature 603 Philosophy, ethics and religion 604 Arts (history of arts, performing arts, music) 605 Other humanities</p> |
| <p>Source: FOS - Fields of Science and Technology, OECD – 2006.</p> | |

CLASSIFICATION OF ACTIVITIES – 2010.
REVIEW OF THE SECTIONS AND DIVISIONS OF THE CLASSIFICATION OF ACTIVITIES

| CODE | DESCRIPTION OF SECTIONS/DIVISIONS |
|----------|--|
| A | AGRICULTURE, FORESTRY AND FISHING |
| 01 | Crop and animal production, hunting and related service activities |
| 03 | Fishing and aquaculture |
| B | MINING AND QUARRYING |
| 05 | Mining of coal and lignite |
| 06 | Extraction of crude petroleum and natural gas |
| 07 | Mining of metal ores |
| 08 | Other mining and quarrying |
| 09 | Mining support service activities |
| C | MANUFACTURING |
| 10 | Manufacture of food products |
| 11 | Manufacture of beverages |
| 12 | Manufacture of tobacco products |
| 13 | Manufacture of textiles |
| 14 | Manufacture of wearing apparel |
| 15 | Manufacture of leather and related products |
| 16 | Manufacture of wood and of products of wood, except furniture; manufacture of articles of straw and plaiting materials |
| 17 | Manufacture of paper and paper products |
| 18 | Printing and reproduction of recorded media |
| 19 | Manufacture of coke and refined petroleum products |
| 20 | Manufacture of chemicals and chemical products |
| 21 | Manufacture of basic pharmaceutical products and pharmaceutical preparations |
| 22 | Manufacture of rubber and plastic products |
| 23 | Manufacture of other non-metallic mineral products |
| 24 | Basic of basic metals |
| 25 | Manufacture of fabricated metal products, except machinery and equipment |
| 26 | Manufacture of computer, electronic and optical products |
| 27 | Manufacture of electrical equipment |
| 28 | Manufacture of machinery and equipment, n.e.c. |
| 29 | Manufacture of motor vehicles, trailers and semi-trailers |
| 30 | Manufacture of other transport equipment |
| 31 | Manufacture of furniture |
| 32 | Other manufacturing |
| 33 | Repair and installation of machinery and equipment |
| D | ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY |
| 35 | Electricity, gas, steam and air conditioning supply |
| E | WATER SUPPLY; SEWERAGE, WASTE MANAGEMENT AND REMEDIATION ACTIVITIES |
| 36 | Water collection, treatment and supply |
| 37 | Sewerage |
| 38 | Water collection, treatment and disposal activities; material recovery |
| 39 | Remediation activities and other waste management services |
| F | CONSTRUCTION |
| 41 | Construction of buildings |
| 42 | Civil engineering |
| 43 | Specialized construction activities |
| G | WHOLESALE AND RETAIL TRADE; REPAIR OF MOTOR VEHICLES AND MOTORCYCLES |
| 5 | Wholesale and retail trade and repair of motor vehicles and motorcycles |
| 46 | Wholesale trade, except of motor vehicles and motorcycles |
| 47 | Retail trade, except of motor vehicles and motorcycles |
| H | TRANSPORTATION AND STORAGE |
| 49 | Land transport and transport via pipelines |

| CODE | DESCRIPTION OF SECTIONS/DIVISIONS |
|----------|---|
| 50 | Water transport |
| 51 | Air transport |
| 52 | Warehousing and support activities for transportation |
| 53 | Postal and courier services |
| I | ACCOMMODATION AND FOOD SERVICE ACTIVITIES |
| 55 | Accommodation |
| 56 | Food and beverage service activities |
| J | INFORMATION AND COMMUNICATION |
| 58 | Publishing activities |
| 59 | Motion picture, video and television program, production, sound recording and music publishing activities |
| 60 | Programming and broadcasting |
| 61 | Telecommunications |
| 62 | Computer programming, consultancy and related activities |
| 63 | Information service activities |
| K | FINANCIAL AND INSURANCE ACTIVITIES |
| 64 | Financial service activities, except insurance and pension funding |
| 65 | Insurance, reinsurance and pension funding, except compulsory social insurance |
| 66 | Activities auxiliary to financial services and insurance activities |
| L | REAL ESTATE ACTIVITIES |
| 68 | Real estate activities |
| M | PROFESSIONAL, SCIENTIFIC, INNOVATION AND TECHNICAL ACTIVITIES |
| 69 | Legal and accounting activities |
| 70 | Activities of head offices; management consultancy activities |
| 71 | Architectural and engineering activities; technical testing and analysis |
| 72 | Scientific research and development |
| 73 | Advertising and market research |
| 74 | Other professional, scientific and technical activities |
| 75 | Veterinary activities |
| N | ADMINISTRATIVE AND SUPPORT SERVICE ACTIVITIES |
| 77 | Rental and leasing activities |
| 78 | Employment activities |
| 79 | Travel agency, tour operator and other reservation service and related activities |
| 80 | Security and investigation activities |
| 81 | Services to buildings and landscape activities |
| 82 | Office administrative, office support and other business support activities |
| P | EDUCATION |
| 85 | Education |
| Q | HUMAN HEALTH AND SOCIAL WORK ACTIVITIES |
| 86 | Human health activities |
| 87 | Residential care activities |
| 88 | Social work activities without accommodation |
| 90 | Creative, arts and entertainment activities |
| 91 | Libraries, archives, museums and other cultural activities |
| 92 | Gambling and betting activities |
| 93 | Sports activities, amusement and recreation activities |
| S | OTHER SERVICE ACTIVITIES |
| 94 | Activities of membership organizations |
| 95 | Repair of computers and personal and household goods |
| 96 | Other personal service activities |
| T | ACTIVITIES OF HOUSEHOLDS AS EMPLOYERS; UNDIFFERENTIATED GOODS AND-SERVICE - PRODUCING ACTIVITIES OF HOUSEHOLDS FOR OWN USE |
| 97 | Activities of households as employers of personnel |
| 98 | Undifferentiated goods – and services – producing activities of households for own use |
| U | ACTIVITIES OF EXTRATERRITORIAL ORGANISATIONS AND BODIES |
| 99 | Activities of extraterritorial organizations and activities |

Classification of manufacturing industry according to research and development intensity
According to OECD methodology

High technology

Aircrafts and spacecrafts
Office accounting and computing machinery
Radio, TV and telecommunication equipment
Pharmaceuticals

Medium low technology

Shipbuilding
Rubber and plastics
Other transport equipment
Stone, clay and glass
Non-ferrous metals
Manufacture of fabricated metal products
Other manufacturing

Medium high technology

Scientific instruments
Electrical machinery and apparatus
Motor vehicles
Chemical products
Machinery and apparatus other than electrical

Low technology

Petrochemical industry
Iron and steel industry
Paper, printing industry
Textile industry
Wood processing industry
Food processing industry

CLASSIFICATION OF SOCIO-ECONOMIC OBJECTIVES

According to OECD methodology – NABS 2007

Code of objectives

01 Exploration and exploitation of the Earth

- The exploration of the earth's crust and mantle, seas, oceans and atmosphere, and their exploitation;
- Climatic and meteorological research, polar exploration (under various headings, as appropriate) and hydrology,
- Mineral, oil and natural gas prospecting;
- Exploration and exploitation of sea-bed;
- Earth's crust and mantle excluding seabed;
- Hydrology;
- Sea and oceans;
- Atmosphere.

02 Environment

- The control of pollution, aimed at the identification and analysis of the sources of pollution and their causes, and all pollutants, including their dispersal in the environment and the effects on man, species (fauna, flora, microorganisms) and biosphere;
- Development of monitoring facilities for the measurement of all kinds of pollution;
- The elimination and prevention of all forms of pollution in all types of environment;
- Protection of atmosphere and climate;
- Protection of ambient air;
- Solid waste;
- Protection of ambient water;
- Protection of soil and groundwater;
- Noise and vibration;
- Protection of species and habitats;
- Protection against natural hazards;
- Radioactive pollution.

03 Exploration and exploitation of space

- All R&D related to civil space;
- Scientific exploration of space;
- Applied research programs;
- Launch systems;
- Space Laboratories and space travel.

04 Transport, telecommunication and other infrastructures

- Infrastructure and land development, including the construction of buildings;
- The general planning of land-use;
- Protection against harmful effects in town and country planning;
- Transport systems;
- Telecommunication systems;
- General planning of land-use;
- Construction and planning of building;
- Civil engineering;
- Water supply.

- 05 Energy**
- The production, storage, transportation, distribution and rational use of all forms of energy;
 - Processes designed to increase the efficiency of energy production and distribution;
 - The study of energy conservation;
 - Energy efficiency;
 - CO2 capture and storage;
 - Renewable energy sources;
 - Nuclear fission and fusion;
 - Hydrogen and fuel gas;
 - Other power and storage technologies.
- 06 Industrial production and technology**
- The improvement of industrial production and technology;
 - Industrial products and their manufacturing processes;
 - Increasing economic efficiency and competitiveness;
 - Manufacturing;
 - Recycling waste (metal and non metal).
- 07 Health**
- Prevention, surveillance and control of communicable and non-communicable diseases;
 - Monitoring the health situation;
 - Health promotion;
 - Occupational health;
 - Public health legislation and regulations;
 - Public health management;
 - Specific public health services;
 - Personal health care for vulnerable and high risk population.
- 08 Agriculture**
- The promotion of agriculture, forestry, fisheries and foodstuff production;
 - Chemical fertilizers, biocides, biological pest control and the mechanization of agriculture;
 - The impact of agricultural forestry activities on the environment;
 - The field of developing food productivity and technology;
 - Agriculture, forestry and fishery;
 - Animal and dairy science;
 - Veterinary science and other agricultural science.
- 09 Education**
- Education general including training, pedagogy, didactics;
 - Education, special (to gifted persons, those with learning disabilities);
 - Pre- and primary school;
 - Secondary school;
 - Post secondary non tertiary education;
 - Tertiary education;
 - Subsidiary services to education.
- 10 Culture, recreation religion and mass media**
- The social phenomena of cultural activities, religion and leisure activities so as to define their impact on life in society;
 - Racial and cultural integration and on socio-cultural changes in these areas;
 - The concept of "culture" covers the sociology of science, religion, art, sport and leisure and also comprises inter alia R&D on the media, the mastery of language and social integration, libraries, archives and external cultural policy;
 - Recreational and sporting services;
 - Cultural services;
 - Broadcasting and publishing services;
 - Religious and other community services;
- 11 Political and social systems, structures and processes**
- The political structure of society;
 - Public administration issues and economic policy;
 - Regional studies and multi-level governance;
 - Social change, social processes and social conflicts;
 - The development of social security and social assistance systems;
 - The social aspects of the organization of work;
 - Gender-related social studies including discrimination and familiar problems;
 - The development of methods of combating poverty at local, national and international level;

- The protection of specific population categories on the social level (immigrants, delinquents, "drop outs" etc.), on the sociological level, i.e. with regard to their way of life (young people, adults, retired people, the handicapped etc.) and on the economic level (consumers, farmers, fishermen, miners, the unemployed etc.
- Methods of providing social assistance when sudden changes (natural, technological or social) occur in society.

12 General advancement of knowledge: R&D financed from General University Funds (GUF)

- **R&D related to Natural Sciences - financed from GUF:** Mathematics, computer and information sciences; Physical sciences; Chemical sciences; Earth and related environmental sciences; Biological sciences; Other natural sciences;
- **R&D related to Engineering Sciences - financed from GUF:** R&D financed from GUF on civil engineering, electrical engineering, electronic engineering, information engineering, mechanical engineering, chemical engineering, materials engineering, medical engineering, environmental engineering, environmental biotechnology, industrial biotechnology, nano-technology, other engineering and technologies;
- **R&D related to Medical Sciences - financed from GUF:** R&D financed from GUF on basic medicine, clinical medicine, health sciences, medical biotechnology, other medical sciences;
- **R&D related to Agricultural Sciences - financed from GUF:** R&D financed from GUF on agriculture, forestry, and fishery, animal and dairy science, veterinary science, agricultural biotechnology, other agricultural sciences;
- **R&D related to Social Sciences - financed from GUF:** R&D financed from GUF on psychology, economics and business, educational sciences, sociology, law, political science, social and economic geography, media and communications, other social sciences;
- **R&D related to Humanities – financed from GUF:** R&D financed from GUF on history and archeology, languages and literature, philosophy, ethics and religion, art, other humanities.

13 General advancement of knowledge: R&D financed from other sources than GUF:

- **R&D related to Natural Sciences - financed from GUF:** Mathematics, computer and information sciences; Physical sciences; Chemical sciences; Earth and related environmental sciences; Biological sciences; Other natural sciences;
- **R&D related to Engineering Sciences - financed from GUF:** R&D financed from GUF on civil engineering, electrical engineering, electronic engineering, information engineering, mechanical engineering, chemical engineering, materials engineering, medical engineering, environmental engineering, environmental biotechnology, industrial biotechnology, nano-technology, other engineering and technologies;
- **R&D related to Medical Sciences - financed from GUF:** R&D financed from GUF on basic medicine, clinical medicine, health sciences, medical biotechnology, other medical sciences;
- **R&D related to Agricultural Sciences - financed from GUF:** R&D financed from GUF on agriculture, forestry, and fishery, animal and dairy science, veterinary science, agricultural biotechnology, other agricultural sciences;
- **R&D related to Social Sciences - financed from GUF:** R&D financed from GUF on psychology, economics and business, educational sciences, sociology, law, political science, social and economic geography, media and communications, other social sciences;
- **R&D related to Humanities – financed from GUF:** R&D financed from GUF on history and archeology, languages and literature, philosophy, ethics and religion, art, other humanities.

14 Defense

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