

Code of the survey: 021010

**ANNUAL REPORT ON RESEARCH AND DEVELOPMENT FOR NON-PROFIT ORGANISATIONS – ASSOCIATIONS
 IN 2012**

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The data will be used exclusively for statistical purposes and will not be published as personal data.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 non-profit organizations - associations 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 и 18/2010.
 The report is to be filled in and transmitted to the competent statistical office **not later than 20 May 2012**. 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 non-profit organizations/associations.
 The research unit should enter the full name of the non-profit organization it is incorporated in, as well as its own name; in tables are to be shown data **referring only to the unit**, but not to the whole non-profit organization.

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

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 to 06) | | | | | | | | | | |
| 02 | Researchers | | | | | | | | | | |
| 03 | Assistant researchers | | | | | | | | | | |
| 04 | Technicians | | | | | | | | | | |
| 05 | Managers | | | | | | | | | | |
| 06 | 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.).

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**.

Example: 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 EQUIVALEM, 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 | | | | | | | | | | | | | |
| 03 | Assistant researchers | | | | | | | | | | | | | |
| 04 | Technicians | | | | | | | | | | | | | |
| 05 | Managers | | | | | | | | | | | | | |
| 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 31/12/2012 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/ 2012and 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 2011

| 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 dedicated R&D | |
| 03 | | From the Ministry of Science | |
| 04 | | From the Ministry of Education | |
| 05 | | From other ministries | |
| 06 | | Funds for R&D from other government funds, agencies and foundations | |
| 07 | | Funds for R&D from local authorities' bodies | |
| 08 | | Funds for R&D from enterprises | |
| 09 | | from "small" (0 - 49 employees) | |
| 10 | | from "medium" (50 - 249 employees) | |
| 11 | | from "large" (250 and more employees) | |
| 12 | | Funds for R&D from non-profit organizations | |
| 13 | Funds from patents, licenses, etc. (from inward sale) | | |
| 14 | Other funds for R&D from own sources | | |
| 15 | Funds from abroad | Funds from agreements on technological licenses | |
| 16 | | Funds from services for foreign ordering parties | |
| 17 | | Funds from joint investment in R&D | |
| 18 | | Funds for R&D from other countries' governments | |
| 19 | | Funds for R&D from the university and other tertiary education institutions | |
| 20 | | Funds for R&D from non-profit organizations | |
| 21 | | Funds for R&D from the European Commission | |
| 22 | | Funds for R&D from international organizations | |
| 23 | 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 - 3

COVERAGE

This form serves to collect data on R&D activities which have been carried out in non-profit organizations / associations in Serbia in 2012.

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.

- **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.

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.