

## Quality declaration - Research and development

| 0 General information on statistical product |   |  |
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| 0.1  | Name  | Research and development   |
| 0.2  | Subject area                                | Education  |
| 0.3  | Responsible Authority, Office, Person, etc. | Ms. Alina Grigoryan<br>Head<br>Social Sphere Statistics Division<br>Armstat<br>3 Government House, Republic Avenue,<br>Yerevan 0010, the Republic of Armenia<br>Phone: +374 11 524 514<br>Email: <a href="mailto:alina_grigoryan@armstat.am">alina_grigoryan@armstat.am</a> , <a href="mailto:info@armstat.am">info@armstat.am</a>   |
| 0.4  | Purpose and History                         | To provide users with annual information on research and development activities (scientific-research work). The calculation of indicators has a long history and has been maintained since the 30-s of the 20th century.<br><br>It has been regularly improved throughout the years to ensure the comparability with international classifications, composition of indicators and other standards.                 |
| 0.5  | Users and Application                       | The main users of the statistical information are the state government and local self-government bodies, public, scientific-educational, financial organizations, business society, mass media, international organizations, etc.<br><br>Information on film production is applied for the purpose of strategy development in the mentioned field (science), solutions of the strategic tasks, and other purposes. |
| 0.6  | Information Sources                         | The main source of information compilation is data collected from the annual statistical reports from the scientific research institutions which are under subordination (are in the balance) of scientific technical, construction, drafting research, higher education institutions.   |
| 0.7  | Legal Authority to Collect Data             | The data are collected based on the Law on "Official Statistics" and "Five Year Statistical Program", as well as the Resolution No. 05-N of RA State Council on Statistics "On Approval of the Procedure for the collection of statistical data" dated 20 June 2016 and Resolution "On Approval of Annual Statistical  |

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|                  |   | Program”.  |
| 0.8              | Response Burden (Primary information providers) | Response burden not estimated.   |
| <b>1 Content</b> |   |  |
| 1.1              | Description of content                          | <p>Scientific research activity comprises:</p> <ul style="list-style-type: none"> <li>a) the number of scientific research organizations by ministries and agencies,</li> <li>b) the volume of scientific technical work by cost and net value, type of work and directions,</li> <li>c) gross cost (expenditure) of research and development work by branches of science</li> <li>d) internal cost (expenditure) of research and development work by financial sources</li> <li>e) the number of scientific research staff by sex, age groups, level of education and scientific degree</li> <li>f) the number of specialist researchers by branches of science.</li> </ul>   |
| 1.2              | Statistical concepts                            | <p>Basic Concepts</p> <p>Scientific or scientific technical organization: an organization which of it organizational or legal type is basically involved in scientific or scientific research work, and prepares scientific cadres (scientists, researchers. Scientific and scientific research activity (work). Mental work directed at gaining new experience and knowledge and application of the gained knowledge.</p> <p>Fundamental scientific research work: theoretical and practical activities aimed at broadening and gaining of new know ledge on nature, human activities, society structure and main regularities of human development.</p> <p>Applied scientific research work: research work mostly of practical nature.</p> <p>Experimental development: Activities that are based on the knowledge gained through scientific and research work aimed</p> |

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|  | <p>at improving the life and health conditions of people and creation of new materials, products and services as well as their further improvement.</p> <p>Scientific technical services: Activities directed at license provision, provision of scientific technical information, standardization, quality control and investments as well as dissemination and application of new achievements in science.</p> <p>Scientific or Scientific technical output: Any carrier containing new knowledge or any information on new solutions (know-how) to different problems which are achieves as a result of scientific or scientific technical activity and can be implemented in various spheres.</p> <p>Scientist: A person who is involved in scientific or scientific technical work and has an essential contribution in science.</p> <p>Scientific worker: A person w h o works in a scientific organization, higher educational institution, experimental bureau, scientific pedagogical, experimental technological institution, development organization and is involved in research activities.</p> <p>Specialist researcher: A person who is directly involved in research and development activities, and who creates and develops new knowledge, products, procedures, methods, as well as manages the whole procedure.</p> <p>Technician: A person who participates in the scientific research activities and is responsible for the maintenance of the scientific equipment, computers, provides services and materials, prepares drafts, carries experimental and analytical work, etc.</p> <p>Auxiliary staff: The ones who work in economic and financial subdivisions, or are responsible for information provision and the library, or work in licensing department, as well as those who are responsible for the laboratory work, equipment mounting, experimental production, etc.</p> <p>Geographical Coverage</p> |
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|                        |  | Covers all marzes of Republic of Armenia and the city of Yerevan.  |
| <b>2 Time</b>          |  |  |
| 2.1                    | Reference period                       | Annual   |
| 2.2                    | Date of publication                    | Annual indicators are published in the 3 <sup>rd</sup> quarter of the year following the reference period.   |
| 2.3                    | Punctuality                            | Data are published according to schedule of annual programs publication and no delays from defined deadlines have been recorded.   |
| 2.4                    | Frequency                              | Annual   |
| <b>3 Accuracy</b>      |  |  |
| 3.1                    | Overall Accuracy                       | There are no specific quantitative evaluations related to the overall accuracy. The forms are submitted by all institutions providing post graduate education.<br><br>The obligatory provision of statistical reports by them is fixed in the legal acts regulating the statistics sector.   |
| 3.2                    | Sources of Inaccuracy                  | There is no source of inaccuracy.  |
| 3.3                    | Measures on accuracy/<br>Measurability | The data of measures on accuracy submitted by organizations within the reference period of the current year is carried out by comparing them with the relevant data for the same period of the previous year.  |
| <b>4 Comparability</b> |  |  |
| 4.1                    | Comparability over Time                | Before 1998 the data (indicators) were provided in accordance with the All Union Classification of Branches of Economy (AUCOBANE). During the years 1998-2001 REV 3 of the International Classifications of Branches of Economy (ISIC) was in use (UN). Since 2002, the indicator has been submitted in accordance with Armenian Classification of Types of Economic Activity (developed on the basis of Eurostat Classification of Economic Activities (NACE). Since 2010 REV 2 is in action. |

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| 4.2                    | Comparability with Other Statistics                | Comparability with other statistics is not available.   |
| 4.3                    | Coherence between Provisional and Final Statistics | The final data are introduced in annual publications.   |
| <b>5 Accessibility</b> |  |   |
| 5.1                    | Forms of Dissemination                             | <p><b>Publications</b></p> <p><b>Monthly publications</b></p> <p>“Social-Economic situation of the Republic of Armenia” (Armenian and Russian) any of the first quarterly publications (first quarter).</p> <p><b>Annual publications</b></p> <p>Annual Statistical Yearbook (Armenian, Russian, English)</p> <p>Armenia in Figures (Armenian and English)</p> <p>The Marzes of the Republic of Armenia in Figures (Armenian and English)</p> <p>Women and Men in Armenia (Armenian and English)</p> <p>Social Situation of the Republic of Armenia in Figures (Armenian)</p> <p><b>Databases</b></p> <p><a href="http://armstatbank.am/pxweb/hy/ArmStatBank/?rxid=602c2fcf-531f-4ed9-b9ad-42a1c546a1b6">http://armstatbank.am/pxweb/hy/ArmStatBank/?rxid=602c2fcf-531f-4ed9-b9ad-42a1c546a1b6</a></p> <p><b>Website</b></p> <p>Electronic versions of publications are available in Armenian (full), Russian, English at the following address:</p> <p><a href="http://www.armstat.am/am/?nid=82">http://www.armstat.am/am/?nid=82</a></p> |
| 5.2                    | Basic material: Storage and Usability              | The statistical data collected are kept (preserved) in electronic form.   |
| 5.3                    | Documentation                                      | Information is available under the General Statistical Business-  |

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|                                      |                   | Process Model at <a href="https://www.armstat.am/en/?nid=672">https://www.armstat.am/en/?nid=672</a> .   |
| 5.4                                  | Other information | Additional and detailed information on research and development is included Annex 1 and 2 approved by the Resolution No 35-N of RA State Council on Statistics, dated October 19, 2018 statistical reporting form N1-science (annual) “On Scientific-Technical Activities” and methodological instruction for filling it in. |
| <b>6 Supplementary documentation</b> |                   |  |
|                                      |                   | No supplementary documentation is available.   |