



## METHODOLOGICAL EXPLANATION

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# PERSONS EMPLOYED IN FORMAL EDUCATION

This methodological explanation relates to the data releases:

- Persons employed in formal education, Slovenia, annually (First release)
- Occasional employees at higher education institutions and vocational colleges, Slovenia, annually (Electronic Release)



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|         |   |
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| Content |   |
| 1       | PURPOSE..... 3                                |
| 2       | LEGAL FRAMEWORK..... 3                        |
| 3       | UNIT DESCRIBED BY THE PUBLISHED DATA..... 3   |
| 4       | SELECTION OF OBSERVATION UNIT..... 3          |
| 5       | SOURCES AND METHODS OF DATA COLLECTION..... 4 |
| 6       | DEFINITIONS..... 4                            |
| 7       | EXPLANATIONS..... 5                           |
| 8       | PUBLISHING..... 7                             |
| 9       | REVISION OF THE DATA..... 7                   |
| 10      | OTHER METHODOLOGICAL MATERIALS..... 8         |

## 1 PURPOSE

The purpose of publishing data on the persons (pedagogical staff) employed in formal education is to present the state of professional staff in formal education. Examples of key statistics: number of educators in kindergartens by sex, number of teachers in primary and secondary schools by sex, number of instructional staff at tertiary institutions.

## 2 LEGAL FRAMEWORK

- [Annual Programme of Statistical Surveys \(LPSR\) \(only in Slovene\)](#)
- [National Statistics Act \(OJ RS, No. 45/95 and 9/01\)](#)
- Regulation (EC) No 452/2008 of the European Parliament and of the Council of 23 April 2008 concerning the production and development of statistics on education and lifelong learning (CELEX: 32008R0452)
- Commission Regulation (EU) No 912/2013 of 23 September 2013 implementing Regulation (EC) No 452/2008 of the European Parliament and of the Council concerning the production and development of statistics on education and lifelong learning, as regards statistics on education and training systems (CELEX: 32013R0912) The data are internationally comparable and contribute to European statistics.

## 3 UNIT DESCRIBED BY THE PUBLISHED DATA

Unit described (in the research Persons employed in formal education) by the published data is a professional employed in preschool, primary upper secondary or tertiary institution. The unit is described by personal data (sex, age, education), by type of employment, teaching load etc.

## 4 SELECTION OF OBSERVATION UNIT

Unit described by the published data is a professional employed in preschool, primary, upper secondary or tertiary institution.

The coverage is full. Covered is all teaching staff in formal education with full- or part-time contract employment and occasional employees at higher education institutions and vocational colleges. We cover data on around 47,000 employees in formal education on 31 January for the current or academic year and around 3,000 occasional employees without full- or part-time contract at higher education institutions and vocational colleges in the current academic year.

## 5 SOURCES AND METHODS OF DATA COLLECTION

We collect the data annually.

We receive the data from administrative data sources annually, electronically, via the applications and the data from the Ministry of Finance via the trusted repository of large files in public administration.

The following administrative sources are used:

- Central Record of Participants in Education and Training (CEUVIZ), managed by the Ministry of Education.
- Record of Higher Education Institutions and Study Programs (eVŠ), managed by the Ministry of Education.
- Statistical Register of Employment (SRDAP) – data on registration, changes and deregistration for compulsory insurance. The data are collected by the Health Insurance Institute of Slovenia and they are monthly reported to the Statistical Office of the Republic of Slovenia. The sources for SRDAP are also the Slovenian Business Register, the Register of Spatial Units and some other sources of the Statistical Office. SRDAP is managed by SURS.
- ISPAP - Information System for the Transmission and Analysis of Data on Earnings, Other Payments and the Number of Employees in the Public Sector. This administrative data source is managed by the Ministry of Public Administration, while data collection is organized by the Agency of the Republic of Slovenia for Public Legal Records and Related Services (AJPES). AJPES sends the data monthly to SURS.

We receive the data on occasional employees at higher education institutions and vocational colleges from the Ministry of Finance via the trusted repository of large files in public administration.

## 6 DEFINITIONS

**Type of education** is as a rule determined indirectly through educational or study programme which the person was attending or finished. Field of education is as a rule determined indirectly through educational or study programme which the person was attending or finished. "Field of education" is a subject specific characteristic (content) of the program, for example, engineering, manufacturing and construction, health and welfare, etc.

**Educational attainment** is the highest publicly verified education that a person achieves by successfully finishing a verified educational or study programme. A publicly verified education can also be obtained in other ways, e.g. by

successfully passing a master craftsman, foreman or head clerk exams. Educational attainment is demonstrated by an official document (certificate, diploma, etc.). Educational attainment is classified by the new Classification System of Education and Training KLASIUS-P-16. Information about KLASIUS is available on the following site: <http://www.stat.si/Klasius>.

**Teaching staff at higher education institutions** are: full professor, associate professor, assistant professor and lector and on higher vocational level also senior lecturer and lecturer. They implement educational, artistic or research program, try to achieve the progress of science, art or specific discipline and transfer the knowledge forward.

**Faculty assistants** are: assistant, specialist advisor, higher instructor, instructor, laboratory assistant and librarian,

They coordinate educational, scientific research and art programs.

Research faculty staff are: research advisor, senior researcher and researcher. They implement scientific research programs.

**Short-cycle vocational colleges** are: instructor, laboratory assistant, laborant, sport teacher and librarian. Laborants may be also professional coworkers.

**Occasional employees at higher education institutions** are teaching staff with at least 2nd cycle of higher education degree (code 17 by the Classification System of Education and Training (KLASIUS), namely KLASIUS-SRV).

**Occasional employee at vocational colleges** are teaching staff with at least 1st cycle of higher education degree (code 16 by the Classification System of Education and Training (KLASIUS), namely KLASIUS-SRV).

## 7 EXPLANATIONS

### 7.1 CLASSIFICATIONS

Standard Classification of Activities (NACE)

Link to the interpretation of the classification (Slovene only): <https://www.stat.si/SKD>

Standard Classification of Occupations (SKP).

Link to the interpretation of the classification (Slovene only): <https://www.stat.si/skp>

Classification System of Education and Training (KLASIUS).

Link to the interpretation of the classification (Slovene only): <https://www.stat.si/klasius/>

International Standard Classification of Education (ISCED).

Link to the interpretation the classification:

[https://ec.europa.eu/eurostat/ramon/other\\_documents/isced\\_2011/index.cfm?TargetUrl=DSP\\_ISCED\\_2011](https://ec.europa.eu/eurostat/ramon/other_documents/isced_2011/index.cfm?TargetUrl=DSP_ISCED_2011)

Degree study programs by previous legislation which are still being carried out are:

a) undergraduate:

- leading to professional higher education (former)
- leading to academic higher education (former)

b) graduate:

- leading to a Specialization
- leading to a "Magisterij" of science
- leading to a Doctorate of science (former)

Degree study programs by legislation in force (OJ RS, No.100/04) which are established under Bologna Declaration are:

a) 1st Bologna cycle

- leading to professional higher education
- leading to academic higher education

b) 2nd Bologna cycle

- leading to master education
- leading to an uniform master education

c) 3rd Bologna cycle

- leading to Doctorate of science

## **7.2 DATA PROCESSING**

### **DATA EDITING**

Data were edited by using appropriate individual corrections.

For more, see the general methodological explanations [Statistical data editing](#).

### **WEIGHTING**

Methodological explanation

Weighting was not performed.

## **SEASONAL ADJUSTMENT**

Seasonal adjustment is not applicable.

## **7.3 INDICES**

Indices are not published.

## **7.4 PRECISION**

The precision is not calculated.

## **7.5 OTHER EXPLANATIONS**

# **8 PUBLISHING**

- Si-Stat Database: theme: [Education](#) - Pre-school education, Basic education, Upper secondary education, Tertiary education; the absolute data; SKD (Slovene only)/NACE, SKP (Slovene only), KLASIUS (Slovene only)/ISCED; the highest level;
- First release (Education, Pre-school education, Basic education, Upper secondary education, Tertiary education): »Persons employed in formal education, Slovenia, annually«
- Electronic release (Education, Tertiary education): "Occasional employees at higher education institutions and vocational colleges, Slovenia, annually"
- EUROSTAT (Statistical Office of the European Union)
- United Nations (UN)
- The Organisation for Economic Co-operation and Development (OECD)

# **9 REVISION OF THE DATA**

## **9.1 PUBLISHING OF PRELIMINARY AND FINAL DATA**

Provisional data are not disseminated. Only final data are published.

## 9.2 FACTORS INFLUENCING COMPARABILITY OVER TIME

In 2016 (school year 2015/16), we began to gather data on employees in formal education in basic and upper secondary education institutions from the administrative records SRDAP and ISPAP (before we collected the data with paper questionnaires). In 2017, we began to gather data on employees in the entire formal education from the administrative records SRDAP and ISPAP.

Methodological changes are:

- As regards kindergartens, counselling and other professionals are shown in total,
- As regards basic and upper secondary schools, the number of professionals in youth and adult schools is shown in the total number,
- As regards higher education institutions and vocational colleges, until the academic year 2018/19 only professionals employed with a full-time or part-time employment contract were shown, while external collaborators were not included.
- From the academic year 2019/20 on, the data on occasional employees are added to the data on professionals with a full-time or part-time employment contract. After the calculation of tax deductions for income under ZDoh-2, which is not income from employment (REK-2 form), and accompanying calculations of tax deductions, which are disclosed by individual taxpayer (iREK form), data for the following types of incomes are provided by the Ministry of Finance:

| Code | Type of income  |
|------|---|
| 1501 | Income from contractual relationship, including individual business   |
| 1502 | Income based on a contractual relationship (exemption from special tax on income in accordance with Article 4 of the ZPDDP) |
| 1504 | Income for work performed by the author   |
| 1516 | Income from occasional work of retired persons  |
| 2501 | Income based on a contractual relationship - insurance under Article 18 of ZPIZ-2 (not insured elsewhere)                   |
| 2502 | Income based on a contractual relationship without PDDP - insurance under Article 18 of ZPIZ-2                              |
| 2504 | Income for performed copyright work - insured under Article 18 of ZPIZ-2  |

## 10 OTHER METHODOLOGICAL MATERIALS

Methodological materials on SURSs website are available at <https://www.stat.si/statweb/en/Methods/QuestionnairesMethodologicalExplanationsQualityReports>.

- Questionnaire:



- SURS does not collect data for this survey by using a questionnaire.
- Quality report: :
  - Persons employed in formal education (ŠOL-KADRI)

theme: Education; subthemes: Pre-school education, Basic education, Upper secondary education, Tertiary education;