

## Education

HRST data use the International Standard Classification of Education (ISCED) developed by UNESCO. Due to an increasing demand for internationally comparable indicators on education and a mounting complexity in the educational programmes on offer in different countries, the original standard, developed in 1976, was revised and updated in 1997. In 2011 a new revision of ISCED classification took place but the transition was not yet achieved in the Education section of Eurostat. Consequently, in the tables presenting the inflows from education the ISCED1997 is still employed since 1997 onwards.

HRST domain focuses on tertiary level of education, which in the ISCED1997 classification corresponds to levels 5A, 5B and 6. The description of the content of the levels forming tertiary education is given below:

### ***The International Standard Classification of Education (ISCED1997)***

ISCED level 5A: programmes that are largely theoretically based and are intended to provide sufficient qualifications for gaining entry into advanced research programmes and professions with high skill requirements;

ISCED level 5B: programmes that are generally more practical/technical/occupationally specific than ISCED 5A programmes;

ISCED level 6: this level is reserved for tertiary programmes that lead to the award of an advanced research qualification. The programmes are devoted to advanced study and original research.

### **Fields of education**

Canberra Manual describes the HRST as persons who have completed tertiary education in S&T fields of study. The operational definition of HRST doesn't restrict the population to those who graduated in S&T field. All persons who achieved the tertiary level of education are considered HRST. However, some statistics on participation and graduation from tertiary education are available according to field of study. A selection of tables present either HRST stocks or flows by focusing on fields with scientific and engineering programmes.

In order to make data as comparable as possible, the standard list of field of studies according to ISCED1997 is employed and used for compilation of indicators.

The table below present the fields of study on ISCED1997 list selected for HRST domain data on stocks and flows from education:

Table 1: Classification of fields of study by ISCED1997

<b>Title</b>	<b>Description</b>	<b>ISCED-97 subject codes</b>
Total	Sum of fields of study	
Science	Science, Mathematics and Computing	EF4
Engineering	Engineering, Manufacturing and Construction	EF5
Science and Engineering	Science, Mathematics and Computing, Engineering, Manufacturing and Construction	EF4_5