

## **Eurostat indicators on stocks of Human Resources in Science and Technology**

### **Indicators on stocks of HRST at national level**

- **HRST BY SUB-GROUPS, SEX AND AGE**

**Table code:** hrst\_st\_ncat

**Table dimensions:** TIME, GEO, CATEGORY, SEX, AGE, UNIT

**Data are available for the following categories:**

HRST	Persons with tertiary education (ISCED) and/or employed in science and technology
HRSTE	Persons with tertiary education (ISCED)
HRSTO	Persons employed in science and technology
HRSTC	Persons with tertiary education (ISCED) and employed in science and technology
SE	Scientists and engineers

**Data are available for the following gender breakdowns:**

T	Total
M	Males
F	Females

**Data are available for the following age breakdowns:**

y15-74	Total population (between 15 and 74 years)
y25-64	Between 25 and 64 years
y25-34	Between 25 and 34 years
y35-44	Between 35 and 44 years
y45-64	Between 45 and 64 years
y15-24_y65-74	Other (Between 15 and 24 years as well as between 65 and 74 years)

**Data are available for the following units:**

THS	Thousands (of people)
PC_POP	Percentage of HRST in respective total population
PC_ACT	Percentage of active HRST in respective active population

- **EMPLOYED HRST BY SUB-GROUPS, AGE AND OCCUPATION**

**Table code:** hrst\_st\_nocc

**Table Dimensions:** TIME, GEO, CATEGORY, AGE, ISCO, UNIT

**Data are available for the following categories:**

HRST	Persons with tertiary education (ISCED) and/or employed in science and technology
HRSTE	Persons with tertiary education (ISCED)
HRSTO	Persons employed in science and technology
HRSTC	Persons with tertiary education (ISCED) and employed in science and technology
SE	Scientists and engineers

**Data are available for the following occupation breakdowns:**

TOTAL	Total
OC2	Professionals
OC3	Technicians and associate professionals
OTH	Other (ISCO0, ISCO1 and ISCO4 to ISCO9)

**Data are available for the following age breakdowns:**

y15-74	Total population (between 15 and 74 years)
y25-64	Between 25 and 64 years

**Data are available for the following units:**

THS	Thousands (of employed people)
PC_EMP	Percentage of employed HRST in respective ISCO occupation

- **EMPLOYED HRST BY SUB-GROUPS, AGE AND NACE REV. 1.1 ACTIVITY (1994-2008)**

**Table code:** hrst\_st\_nsec

**Table Dimensions:** TIME, GEO, CATEGORY, AGE, NACE\_R1, UNIT

**Data are available for the following categories:**

HRST	Persons with tertiary education (ISCED) and/or employed in science and technology
HRSTE	Persons with tertiary education (ISCED)
HRSTO	Persons employed in science and technology
HRSTC	Persons with tertiary education (ISCED) and employed in science and technology
SE	Scientists and engineers

**Data are available for the following NACE Rev.1.1 sectors:**

Data are available for the sectors listed in Table 1. Data by sector are collected according to the *Statistical classification of economic activities in the European Community — NACE Rev. 1.1* and aggregated into the agreed Eurostat high technology sectors.

Table 1: Breakdown of sectors of activity for data in hrst\_st\_nsec

<b>NACE_R1</b>	<b>DESCRIPTION NACE CODES</b>
<b>TOTAL</b>	All NACE branches – Total: NACE Rev. 1.1 codes 01 to 99
<b>D</b>	Manufacturing: NACE Rev. 1.1 section D
<b>D_HTC_MH</b>	High and medium high technology manufacturing: NACE Rev. 1.1 codes 24, 29 to 35
<b>D_HTC</b>	High technology manufacturing: NACE Rev. 1.1 codes 30, 32 and 33
<b>D_HTC_M</b>	Medium high technology manufacturing: NACE Rev. 1.1 codes 24, 29, 31, 34 and 35
<b>D_LTC_LM</b>	Low and medium low technology: NACE Rev. 1.1 codes 15 to 22, 23, 25 to 28 and 36 to 37
<b>D_LTC</b>	Low-technology: NACE Rev. 1.1 codes 15 to 22 and 36 to 37
<b>D_LTC_M</b>	Medium low technology: NACE Rev. 1.1 codes 23 and 25 to 28
<b>G-Q</b>	Services: NACE Rev. 1.1 sections G to Q = 50 to 99
<b>KIS</b>	Total knowledge-intensive services: NACE Rev. 1.1 codes 61, 62, 64 to 67, 70 to 74, 80, 85 and 92
<b>KIS_HTC</b>	Knowledge-intensive high-technology services: NACE Rev. 1.1 codes 64, 72, 73
<b>KIS_MKT_OTH</b>	Knowledge-intensive market services (excluding financial intermediation and high-tech services): NACE Rev. 1.1 codes 61, 62, 70, 71, 74
<b>J</b>	Knowledge-intensive financial services: NACE Rev. 1.1 codes 65, 66, 67
<b>KIS_OTH</b>	Other knowledge-intensive services: NACE Rev. 1.1 codes 80, 85, 92
<b>LKIS</b>	Total less-knowledge-intensive services: NACE Rev. 1.1 codes 50, 51, 52, 55, 60, 63, 75, 90, 91, 93, 95, 96, 97 and 99
<b>LKIS_MKT</b>	Less-knowledge-intensive market services: NACE Rev. 1.1 codes 50, 51, 52, 55, 60, 63
<b>LKIS_OTH</b>	Other less-knowledge-intensive services: NACE Rev. 1.1 codes 75, 90, 91, 93, 95, 96, 97 and 99
<b>HTC</b>	High-tech sectors (high-tech manufacturing and knowledge-intensive high-technology services)
<b>A-C</b>	Agriculture, hunting, forestry, fishing, mining and quarrying: NACE Rev. 1.1 codes 01 to 14
<b>E_F</b>	Utilities and construction: NACE Rev. 1.1 codes 40, 41 and 45
<b>G</b>	Wholesale and retail trade NACE Rev. 1.1 codes 50 to 52
<b>H</b>	Hotels and restaurants NACE Rev. 1.1 code 55
<b>I</b>	Transport, storage and communication: NACE Rev. 1.1 codes 60 to 64
<b>K</b>	Real estate and renting and business activities: NACE Rev. 1.1 codes 70, to 74
<b>L_Q</b>	Public administration, defence, extra-territorial organizations and bodies: NACE Rev. 1.1 code 75 and 99
<b>M</b>	Education: NACE Rev. 1.1 code 80
<b>N</b>	Health and social work: NACE Rev. 1.1 code 85
<b>O_P</b>	Other community, social and personal service activities and activities of households: NACE Rev. 1.1 codes 90 to 93 and 95 to 97

**Data are available for the following age breakdowns:**

y15-74 Total population (between 15 and 74 years)

y25-64 Between 25 and 64 years

**Data are available for the following units:**

THS Thousands (of employed people)

PC\_EMP Percentage of employed HRST in respective NACE sector

- **EMPLOYED HRST BY SUB-GROUPS, AGE AND NACE REV. 2 ACTIVITY (FROM 2008 ONWARDS)**

**Table code:** hrst\_st\_nsec2

**Table Dimensions:** TIME, GEO, CATEGORY, AGE, NACE\_R2, UNIT

**Data are available for the following categories:**

HRST	Persons with tertiary education (ISCED) and/or employed in science and technology
HRSTE	Persons with tertiary education (ISCED)
HRSTO	Persons employed in science and technology
HRSTC	Persons with tertiary education (ISCED) and employed in science and technology
SE	Scientists and engineers

**Data are available for the following NACE Rev.2 sectors:**

Data are available for the sectors listed in Table 2 below. Data by sector are collected according to the *Statistical classification of economic activities in the European Community — NACE Rev.2* and aggregated into the agreed Eurostat high technology sectors.

Table 2: Breakdown of sectors of activity for data in hrst\_st\_nsec2

<b>NACE_R2</b>	<b>DESCRIPTION NACE CODE</b>
<b>TOTAL</b>	Total - all NACE branches
<b>C</b>	Manufacturing
<b>C_HTC_MH</b>	High and medium high-technology manufacturing
<b>C_HTC</b>	High-technology manufacturing
<b>C_HTC_M</b>	Medium high-technology manufacturing
<b>C_LTC_LM</b>	Low and medium low-technology manufacturing
<b>C_LTC_M</b>	Medium low-technology manufacturing
<b>C_LTC</b>	Low-technology manufacturing
<b>G-U</b>	Services
<b>KIS</b>	Total knowledge-intensive services
<b>KIS_HTC</b>	Knowledge-intensive high-technology services
<b>KIS_MKT_OTH</b>	Knowledge-intensive market services (excluding financial intermediation and high-technology services)
<b>K</b>	Financial and insurance activities
<b>KIS_OTH</b>	Other knowledge-intensive services
<b>LKIS</b>	Total less-knowledge-intensive services
<b>LKIS_MKT</b>	Less knowledge-intensive market services
<b>LKIS_OTH</b>	Other less knowledge-intensive services
<b>HTC</b>	High-technology sectors (high-technology manufacturing and knowledge-intensive high-technology services)
<b>A_B</b>	Agriculture, forestry and fishing; mining and quarrying
<b>D-F</b>	Electricity, gaz, steam and air conditioning supply; water supply and construction
<b>K_L</b>	Financial and insurance activities; real estate activities
<b>G_I_T</b>	Wholesale and retail trade; accomodation and food service activities; activities of households as employers
<b>H49-H52_N79</b>	Land transport, transport via pipelines, water transport, air transport, warehousing and support activities for transportation; travel agency, tour operator reservation services and related activities
<b>O_U</b>	Public administration; activities of extraterritorial organisations and bodies
<b>S_T</b>	Other service activities, activities of households as employers
<b>C</b>	Manufacturing
<b>G</b>	Wholesale and retail trade; repair of motor vehicles and motorcycles
<b>H</b>	Transportation and storage
<b>I</b>	Accommodation and food service activities
<b>J</b>	Information and communication
<b>K</b>	Financial and insurance activities
<b>L</b>	Real estate activities
<b>M</b>	Professional, scientific and technical activities
<b>N</b>	Administrative and support service activities
<b>P</b>	Education
<b>Q</b>	Human health and social work activities
<b>S</b>	Other service activities
<b>R</b>	Arts, entertainment and recreation
<b>UNK</b>	Unknown NACE branch

**Data are available for the following age breakdowns:**

y15-74 Total population (between 15 and 74 years)

y25-64 Between 25 and 64 years

**Data are available for the following units:**

THS Thousands (of employed people)

PC\_EMP Percentage of employed HRST in respective NACE sector

- **EMPLOYED HRST BY SUB-GROUPS, SEX, AGE AND NACE REV. 1.1 ACTIVITY (1994-2008)**

**Table code:** hrst\_st\_nsecsex

**Table Dimensions:** TIME, GEO, CATEGORY, SEX, AGE, NACE\_R1, UNIT

**Data are available for the following categories:**

HRST	Persons with tertiary education (ISCED) and/or employed in science and technology
HRSTE	Persons with tertiary education (ISCED)
HRSTO	Persons employed in science and technology
HRSTC	Persons with tertiary education (ISCED) and employed in science and technology
SE	Scientists and engineers

**Data are available for the following sectors:**

Data are available for the sectors listed in Table 3. Data by sector are collected according to the *Statistical classification of economic activities in the European Community — NACE Rev. 1.1* and aggregated into the agreed Eurostat high technology sectors.

Table 3: Breakdown of selected sectors of activity for data in hrst\_st\_nsecsex

NACE	DESCRIPTION NACE CODES
<b>TOTAL</b>	All NACE branches – Total: NACE Rev. 1.1 codes 01 to 99
<b>D</b>	Manufacturing: NACE Rev. 1.1 section D
<b>D_HTC_MH</b>	High and medium high technology manufacturing: NACE Rev. 1.1 codes 24, 29 to 35
<b>G-Q</b>	Services: NACE Rev. 1.1 sections G to Q = 50 to 99
<b>KIS</b>	Total knowledge-intensive services: NACE Rev. 1.1 codes 61, 62, 64 to 67, 70 to 74, 80, 85 and 92
<b>HTC</b>	High-tech sectors (high-tech manufacturing and knowledge-intensive high-technology services)

**Data are available for the following gender breakdowns:**

T	Total
M	Males
F	Females

**Data are available for the following age breakdowns:**

y15-74	Total population (between 15 and 74 years)
y25-64	Between 25 and 64 years

**Data are available for the following units:**

THS	Thousands (of employed people)
PC_EMP	Percentage of employed HRST in respective NACE sector

- **EMPLOYED HRST BY SUB-GROUPS, SEX, AGE AND NACE REV. 2 ACTIVITY (FROM 2008 ONWARDS)**

**Table code:** hrst\_st\_nsecsex2

**Table Dimensions:** TIME, GEO, CATEGORY, SEX, AGE, NACE\_R2, UNIT

**Data are available for the following categories:**

HRST	Persons with tertiary education (ISCED) and/or employed in science and technology
HRSTE	Persons with tertiary education (ISCED)
HRSTO	Persons employed in science and technology
HRSTC	Persons with tertiary education (ISCED) and employed in science and technology
SE	Scientists and engineers

**Data are available for the following NACE Rev.2 sectors:**

Data are available for the sectors listed in Table 4. Data by sector are collected according to the *Statistical classification of economic activities in the European Community — NACE Rev. 2* and aggregated into the agreed Eurostat high technology sectors.

Table 4: Breakdown of selected sectors of activity for data in hrst\_st\_nsecsex2

NACE	DESCRIPTION NACE CODES
TOTAL	All NACE branches
C	Manufacturing
C_HTC_MH	High and medium high technology manufacturing
G-U	Services
KIS	Total knowledge-intensive services
HTC	High-tech sectors (high-tech manufacturing and knowledge-intensive high-technology services)
UNK	Unknown NACE activity

**Data are available for the following gender breakdowns:**

T	Total
M	Males
F	Females

**Data are available for the following age breakdowns:**

y15-74	Total population (between 15 and 74 years)
y25-64	Between 25 and 64 years

**Data are available for the following units:**

THS	Thousands (of employed people)
PC_EMP	Percentage of employed HRST in respective NACE sector

- **HRST WITH TERTIARY EDUCATION (ISCED) BY SEX, AGE AND FIELD OF EDUCATION**

**Table code:** hrst\_st\_nfieisex

**Table Dimensions:** TIME, GEO, CATEGORY, SEX, AGE, FIELD, UNIT

**Data are available only for the following fixed category:**

HRSTE Persons with tertiary education (ISCED)

**Data are available for the following fields of education (based on ISCED1997):**

TOTAL	Total
EF4	Science, mathematics and computing
EF5	Engineering, manufacturing and construction
EF4_5	Science, mathematics, computing, engineering, manufacturing and construction
OTH	Other (EF0 to EF3 and EF 6 to EF 9)
UNK	Unknown field of study

**Data are available for the following gender breakdowns:**

T	Total
M	Males
F	Females

**Data are available for the following age breakdowns:**

y15-74	Total population (between 15 and 74 years)
y25-64	Between 25 and 64 years

**Data are available for the following units:**

THS	Thousands (of people)
PC_POP	Percentage of HRSTE in respective total population
PC_ACT	Percentage of active HRSTE in respective active population

- **HRST WITH TERTIARY EDUCATION (ISCED) BY AGE AND FIELD OF EDUCATION**

**Table code:** hrst\_st\_nfieage

**Table Dimensions:** TIME, GEO, CATEGORY, AGE, FIELD, UNIT

**Data are available for the following fixed category:**

HRSTE Persons with tertiary education (ISCED)

**Data are available for the following fields of education (based on ISCED1997):**

TOTAL Total

EF4 Science, mathematics and computing

EF5 Engineering, manufacturing and construction

EF4\_5 Science, mathematics, computing, engineering, manufacturing and construction

OTH Other (EF0 to EF3 and EF 6 to EF 9)

UNK Unknown field of study

**Data are available for the following age breakdowns:**

y15-74 Total population (between 15 and 74 years)

y25-64 Between 25 and 64 years

y25-34 Between 25 and 34 years

y35-44 Between 35 and 44 years

y45-64 Between 45 and 64 years

y15-24\_y65-74 Other (Between 15 and 24 years as well as between 65 and 74 years)

**Data are available for the following units:**

THS Thousands (of people)

PC\_POP Percentage of HRSTE in respective total population

PC\_ACT Percentage of active HRSTE in respective active population

- **EMPLOYED HRST WITH TERTIARY EDUCATION (ISCED) BY AGE, FIELD OF EDUCATION AND OCCUPATION**

**Table code:** hrst\_st\_nfieocc

**Table Dimensions:** TIME, GEO, AGE, FIELD, ISCO, UNIT

**Data are available for the following fixed category:**

HRSTE Persons with tertiary education (ISCED)

**Data are available for the following fields of education (based on ISCED1997):**

TOTAL Total

EF4 Science, mathematics and computing

EF5 Engineering, manufacturing and construction

EF4\_5 Science, mathematics, computing, engineering, manufacturing and construction

OTH Other (EF0 to EF3 and EF 6 to EF 9)

**Data are available for the following occupation breakdowns:**

TOTAL Total

OC2 Professionals

OC3 Technicians and associate professionals

OTH Other (ISCO0, ISCO1 and ISCO4 to ISCO9)

**Data are available for the following age breakdowns:**

y15-74 Total population (between 15 and 74 years)

y25-64 Between 25 and 64 years

**Data are available for the following units:**

THS Thousands (of people)

PC\_ACT Percentage of employed HRSTE in respective active population

- **UNEMPLOYED PERSONS BY HRST SUB-GROUPS AND SEX**

**Table code:** hrst\_st\_nunesex

**Table Dimensions:** TIME, GEO, CATEGORY, SEX, UNIT

**Data are available for the following age group (fixed dimension):**

y15-74 Total population (between 15 and 74 years)

**Data are available for the following categories:**

HRSTU Unemployed persons with tertiary education (ISCED)

NON\_HRSTU Unemployed persons with non-tertiary education (ISCED)

**Data are available for the following gender breakdowns:**

T Total

M Males

F Females

**Data are available for the following units:**

THS	Thousands (of unemployed people)
RT_UNE	Rate of unemployment

- **UNEMPLOYED PERSONS BY HRST SUB-GROUPS AND AGE**

**Table code:** hrst\_st\_nuneage

**Table Dimensions:** TIME, GEO, CATEGORY, AGE, UNIT

**Data are available for the following categories:**

HRSTU	Unemployed persons with tertiary education (ISCED)
NON_HRSTU	Unemployed persons with non-tertiary education (ISCED)

**Data are available for the following age breakdowns:**

y15-74	Total population (between 15 and 74 years)
y25-64	Between 25 and 64 years
y25-34	Between 25 and 34 years
y35-44	Between 35 and 44 years
y45-64	Between 45 and 64 years
y15-24_y65-74	Other (Between 15 and 24 years as well as between 65 and 74 years)

**Data are available for the following units:**

THS	Thousands (of unemployed people)
RT_UNE	Rate of unemployment

**Indicators on stocks of HRST at regional level**

- **HRST BY SUB-GROUPS AND NUTS 2 REGIONS**

**Table code:** hrst\_st\_rcat

**Table Dimensions:** TIME, GEO, CATEGORY, UNIT

**Data are available for the following age group (fixed dimension)**

Y15_74	Total population (between 15 and 74 years)
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**Data are available for the following categories:**

HRST	Persons with tertiary education (ISCED) and/or employed in science and technology
HRSTE	Persons with tertiary education (ISCED)
HRSTO	Persons employed in science and technology
HRSTC	Persons with tertiary education (ISCED) and employed in science and technology

**Data are available for the following units:**

THS	Thousands (of people)
PC_POP	Percentage of HRST in respective total population
PC_ACT	Percentage of active HRST in respective active population

- **HRST BY SUB-GROUPS, SEX AND NUTS 1 REGIONS**

**Table code:** hrst\_st\_rsex

**Table Dimensions:** TIME, GEO, SEX, CATEGORY, UNIT

**Data are available for the following age group (fixed dimension)**

Y15\_74 Total population (between 15 and 74 years)

**Data are available for the following categories:**

HRST Persons with tertiary education (ISCED) and/or employed in science and technology

HRSTE Persons with tertiary education (ISCED)

HRSTO Persons employed in science and technology

HRSTC Persons with tertiary education (ISCED) and employed in science and technology

**Data are available for the following gender breakdowns:**

T Total

M Males

F Females

**Data are available for the following units:**

THS Thousands (of people)

PC\_POP Percentage of HRST in respective total population

PC\_ACT Percentage of active HRST in respective active population

- **HRST BY SUB-GROUPS, AGE AND NUTS 1 REGIONS**

**Table code:** hrst\_st\_rage

**Table Dimensions:** TIME, GEO, CATEGORY, AGE, UNIT

**Data are available for the following categories:**

HRST Persons with tertiary education (ISCED) and/or employed in science and technology

HRSTE Persons with tertiary education (ISCED)

HRSTO Persons employed in science and technology

HRSTC Persons with tertiary education (ISCED) and employed in science and technology

**Data are available for the following age breakdowns:**

y15-74 Total population (between 15 and 74 years)

y25-64 Between 25 and 64 years

y25-34 Between 25 and 34 years

y35-44 Between 35 and 44 years

y45-64 Between 45 and 64 years

y15-24\_y65-74 Other (Between 15 and 24 years as well as between 65 and 74 years)

**Data are available for the following units:**

THS Thousands (of people)

PC\_POP Percentage of HRST in respective total population

PC\_ACT Percentage of active HRST in respective active

- **EMPLOYED HRST BY SUB-GROUPS, NACE REV. 1.1 ACTIVITY AND NUTS 1 REGIONS (1994 - 2008)**

**Table code:** hrst\_st\_rsec

**Table Dimensions:** TIME, GEO, CATEGORY, NACE\_R1, UNIT

**Data are available for the following age group (fixed dimension)**

Y15\_74      Total population (between 15 and 74 years)

**Data are available for the following categories:**

HRST      Persons with tertiary education (ISCED) and/or employed in science and technology

HRSTE      Persons with tertiary education (ISCED)

HRSTO      Persons employed in science and technology

HRSTC      Persons with tertiary education (ISCED) and employed in science and technology

**Data are available for the following sectors:**

Data are available for the sectors listed in Table 5. Data by sector are collected according to the *Statistical classification of economic activities in the European Community — NACE Rev. 1.1* and aggregated into the agreed Eurostat high technology sectors.

Table 5: Breakdown of sectors of activity for data in hrst\_st\_rsec

<b>NACE</b>	<b>DESCRIPTION NACE CODES</b>
<b>TOTAL</b>	All NACE branches – Total: NACE Rev. 1.1 codes 01 to 99
<b>D</b>	Manufacturing: NACE Rev. 1.1 section D
<b>D_HTC_MH</b>	High and medium high technology manufacturing: NACE Rev. 1.1 codes 24, 29 to 35
<b>D_HTC</b>	High technology manufacturing: NACE Rev. 1.1 codes 30, 32 and 33
<b>D_HTC_M</b>	Medium high technology manufacturing: NACE Rev. 1.1 codes 24, 29, 31, 34 and 35
<b>D_LTC_LM</b>	Low and medium low technology: NACE Rev. 1.1 codes 15 to 22, 23, 25 to 28 and 36 to 37
<b>D_LTC</b>	Low-technology: NACE Rev. 1.1 codes 15 to 22 and 36 to 37
<b>D_LTC_M</b>	Medium low technology: NACE Rev. 1.1 codes 23 and 25 to 28
<b>G-Q</b>	Services: NACE Rev. 1.1 sections G to Q = 50 to 99
<b>KIS</b>	Total knowledge-intensive services: NACE Rev. 1.1 codes 61, 62, 64 to 67, 70 to 74, 80, 85 and 92
<b>KIS_HTC</b>	Knowledge-intensive high-technology services: NACE Rev. 1.1 codes 64, 72, 73
<b>KIS_MKT_OTH</b>	Knowledge-intensive market services (excluding financial intermediation and high-tech services): NACE Rev. 1.1 codes 61, 62, 70, 71, 74
<b>J</b>	Knowledge-intensive financial services: NACE Rev. 1.1 codes 65, 66, 67
<b>KIS_OTH</b>	Other knowledge-intensive services: NACE Rev. 1.1 codes 80, 85, 92
<b>LKIS</b>	Total less-knowledge-intensive services: NACE Rev. 1.1 codes 50, 51, 52, 55, 60, 63, 75, 90, 91, 93, 95, 96, 97 and 99
<b>LKIS_MKT</b>	Less-knowledge-intensive market services: NACE Rev. 1.1 codes 50, 51, 52, 55, 60, 63
<b>LKIS_OTH</b>	Other less-knowledge-intensive services: NACE Rev. 1.1 codes 75, 90, 91, 93, 95, 96, 97, 99
<b>HTC</b>	High-tech sectors (high-tech manufacturing and knowledge-intensive high-technology services)
<b>A-C</b>	Agriculture, hunting, forestry, fishing, mining and quarrying: NACE Rev. 1.1 codes 01 to 14
<b>E_F</b>	Utilities and construction: NACE Rev. 1.1 codes 40, 41 and 45
<b>G</b>	Wholesale and retail trade NACE Rev. 1.1 codes 50 to 52
<b>H</b>	Hotels and restaurants NACE Rev. 1.1 code 55
<b>I</b>	Transport, storage and communication: NACE Rev. 1.1 codes 60 to 64
<b>K</b>	Real estate and renting and business activities: NACE Rev. 1.1 codes 70, to 74
<b>L_Q</b>	Public administration, defence, extra-territorial organizations and bodies: NACE Rev. 1.1 code 75 and 99
<b>M</b>	Education: NACE Rev. 1.1 code 80
<b>N</b>	Health and social work: NACE Rev. 1.1 code 85
<b>O_P</b>	Other community, social and personal service activities and activities of households: NACE Rev. 1.1 codes 90 to 93 and 95 to 97

**Data are available for the following units:**

THS Thousands (of employed people)

PC\_EMP Percentage of employed HRST in respective NACE sector

- **EMPLOYED HRST BY SUB-GROUPS, NACE REV. 2 ACTIVITY AND NUTS 1 REGIONS (FROM 2008 ONWARDS)**

**Table code:** hrst\_st\_rsec2

**Table Dimensions:** TIME, GEO, CATEGORY, NACE\_R2, UNIT

**Data are available for the following age group (fixed dimension)**

Y15-74          Total population (between 15 and 74 years)

**Data are available for the following categories:**

HRST          Persons with tertiary education (ISCED) and/or employed in science and technology

HRSTE         Persons with tertiary education (ISCED)

HRSTO         Persons employed in science and technology

HRSTC         Persons with tertiary education (ISCED) and employed in science and technology

**Data are available for the following units:**

THS            Thousands (of employed people)

PC\_EMP        Percentage of employed HRST in respective NACE sector

**Data are available for the following sectors:**

Data are available for the sectors listed in Table 6. Data by sector are collected according to the *Statistical classification of economic activities in the European Community — NACE Rev. 2* and aggregated into the agreed Eurostat high technology sectors.

Table 6: Breakdown of sectors of activity for data in hrst\_st\_rsec2

<b>NACE_R2</b>	<b>DESCRIPTION NACE CODE</b>
<b>TOTAL</b>	Total - all NACE branches
<b>C</b>	Manufacturing
<b>C_HTC_MH</b>	High and medium high-technology manufacturing
<b>C_HTC</b>	High-technology manufacturing
<b>C_HTC_M</b>	Medium high-technology manufacturing
<b>C_LTC_LM</b>	Low and medium low-technology manufacturing
<b>C_LTC_M</b>	Medium low-technology manufacturing
<b>C_LTC</b>	Low-technology manufacturing
<b>G-U</b>	Services
<b>KIS</b>	Total knowledge-intensive services
<b>KIS_HTC</b>	Knowledge-intensive high-technology services
<b>KIS_MKT_OTH</b>	Knowledge-intensive market services (excluding financial intermediation and high-technology services)
<b>K</b>	Financial and insurance activities
<b>KIS_OTH</b>	Other knowledge-intensive services
<b>LKIS</b>	Total less-knowledge-intensive services
<b>LKIS_MKT</b>	Less knowledge-intensive market services
<b>LKIS_OTH</b>	Other less knowledge-intensive services
<b>HTC</b>	High-technology sectors (high-technology manufacturing and knowledge-intensive high-technology services)
<b>A_B</b>	Agriculture, forestry and fishing; mining and quarrying
<b>D-F</b>	Electricity, gaz, steam and air conditioning supply; water supply and construction
<b>K_L</b>	Financial and insurance activities; real estate activities
<b>G_I_T</b>	Wholesale and retail trade; accomodation and food service activities; activities of households as employers
<b>H49-H52_N79</b>	Land transport, transport via pipelines, water transport, air transport, warehousing and support activities for transportation; travel agency, tour operator reservation services and related activities
<b>O_U</b>	Public administration; activities of extraterritorial organisations and bodies
<b>S_T</b>	Other service activities, activities of households as employers
<b>C</b>	Manufacturing
<b>G</b>	Wholesale and retail trade; repair of motor vehicles and motorcycles
<b>H</b>	Transportation and storage
<b>I</b>	Accommodation and food service activities
<b>J</b>	Information and communication
<b>K</b>	Financial and insurance activities
<b>L</b>	Real estate activities
<b>M</b>	Professional, scientific and technical activities
<b>N</b>	Administrative and support service activities
<b>P</b>	Education
<b>Q</b>	Human health and social work activities
<b>S</b>	Other service activities
<b>R</b>	Arts, entertainment and recreation
<b>UNK</b>	Unknown NACE branch

**Data are available for the following units:**

THS            Thousands (of employed people)

PC\_EMP        Percentage of employed HRST in respective NACE sector

**Definitions of HRST, sub-groups of HRST and calculation of ratios****DEFINITIONS OF HRST AND SUB-GROUPS AND NON-HRST**

HRST and their sub-groups are measured using characteristics of educational attainment and occupation, mainly following the guidelines of the *Canberra Manual, OECD, Paris, 1994*.

Note that the population used excludes anyone below the age of 15 or over the age of 74 from the figures. This is because no one below the age of 15 can fulfil either of the requirements for being classified as HRST and also for data quality reasons.

**HRST – Persons with tertiary education (ISCED) and/or employed in science and technology**

Individuals who fulfil at least one of the following conditions:

- having successfully completed education at the third level (ISCED1997 version levels 5a, 5b or 6)
- working in a S&T occupation where the above formal qualification is normally required (ISCO-88 COM codes 2 or 3 until 2010. From 2011, ISCO-08 COM codes 2 or 3)

**HRSTE – Persons with tertiary education (ISCED)**

Individuals who have successfully completed education at the third level study (ISCED-97 version levels 5a, 5b or 6).

**HRSTO – Persons employed in science and technology**

Individuals who are employed in an S&T occupation: professionals (ISCO-88 COM code 2 until 2010. From 2011, ISCO-08 COM code 2) or technicians and associate professionals (ISCO-88 COM code 3 until 2010. From 2011, ISCO-08 COM code 3).

**HRSTC – Persons with tertiary education (ISCED) and employed in science and technology**

Individuals who have successfully completed education at the third level (ISCED1997 version levels 5a, 5b or 6) and are employed in a S&T occupation (ISCO-88 codes 2 or 3 until 2010. From 2011, ISCO-08 COM codes 2 or 3).

**SE – Scientists and Engineers**

Sub-group of HRSTO: until 2010, individuals employed as physical, mathematical and engineering professionals (ISCO-88 COM code 21); or life sciences and health professionals (ISCO-88 COM code 22). From 2011, individuals employed as Science and engineering professionals (ISCO-08 COM code 21); Health professionals (ISCO-08 COM code 22); or Information and communications technology professionals (ISCO-08 COM code 25).

**HRSTU – Human Resources in Science and Technology Unemployed**

Individuals who have successfully completed education at the third level (ISCED1997 version levels 5a, 5b or 6) and are unemployed.

**NON-HRST: Human Resources not in Science and Technology**

Those people who have not fulfilled the HRST requirements.

**NON-HRSTU: Unemployed non-HRST**

Those people who have not fulfilled the HRST requirements and are unemployed (unemployed non-tertiary educated persons)

## **Calculations of ratios**

Besides disseminating total numbers in thousands of people, the following ratios are available:

### **PC\_POP – HRST categories as a percentage of total population**

The number of people in HRST and HRST sub-groups in relation to the number of people of the total population in the same specified groups.

### **PC\_ACT – Active HRST categories as a percentage of labour force (active population)**

The number of people in the labour force, in HRST and HRST sub-groups, in relation to the number of people in the labour force, in the same specified groups. The labour force comprises all people that are either employed or unemployed, but not inactive.

### **PC\_EMP – Employed HRST categories as a percentage of employment**

The number of employed people in HRST and HRST sub-groups, in relation to the number of employed people in the same sector of economic activity or occupation, and in the same gender and age group.

### **RT\_UNE – rate of unemployment**

The number of unemployed HRST and non-HRST persons, in relation to the number of people in their respective labour force, in the same gender and age group. The *HRST labour force* comprises all persons who fulfil the requirements of being HRST and are either employed or unemployed, but not inactive. The *non-HRST labour force* comprises all persons who do not fulfil the requirements of being HRST and are either employed or unemployed, but not inactive.