

Water supply and recycling

This chapter covers water supply and recycling. Water supply (Subchapter 15.1) is classified as NACE Division 41: note that this does not cover the collection and treatment of sewage and other waste (NACE Classes 90.01 and 90.02). Recycling of waste and scrap (Subchapter 15.2) is classified as NACE Division 37.

Structural profile

There were 24.7 thousand enterprises with water supply or recycling (NACE Divisions 41 and 37) as their main activity within the EU-27 in 2006, which together employed 521.2 thousand persons. Paid employees represented a 97.3 % share of all persons employed in the EU-27's water supply and recycling sector in 2006, above the nonfinancial business economy average (NACE Sections C to I and K) of 86.5 %. This workforce was equivalent to 0.4 % of the non-financial business economy's total workforce in the EU-27, a share that was slightly less than the 0.6 % share of value added that this sector generated from a total value added of EUR 31.4 billion. In terms of value added and employment this was the smallest of all of the industrial sectors presented in Chapters 2 to 15 of this publication, and the second smallest among the non-financial business economy sectors, larger only than research and development activities. Recycling (NACE Division 37) accounted for around one quarter of the value added in this sector and a slightly larger share of employment, while water supply (NACE Division 41) accounted for the remainder.

The United Kingdom and Germany had the highest levels of output among the Member States in this sector, with 23.3 % and 20.0 % shares of EU-27 value added respectively, while France (14.0 %) was the only other Member State with a double-digit share. However, France had the largest workforce, 65.1 thousand persons employed, equivalent to 12.5 % of the EU-27 total, followed by Germany (11.7 %), Poland (10.9 %, 2005) and Romania (9.4 %), while the United Kingdom's 9.0 % share of the workforce was less than half its value added share. In both value added and employment terms this sector's contribution to the non-financial business economy was highest in Slovakia, Romania and Bulgaria (both 2005)⁽¹⁾.

Regional specialisation in the water supply and recycling sector in employment terms is shown in the map, although statistical confidentiality limits the exact data availability. Almost all of the regions most specialised in recycling and water supply were in Member States that joined the EU in 2004 or 2007, particularly in Hungary, Romania, Slovakia, the Czech Republic and Bulgaria, the latter treated as one region in the map, the only other region being in Germany.

The index of production for recycling for the EU-27 is available since 2000 and shows that output grew most years, contracting strongly in 2001 and more gently in 2005. Despite these two negative annual rates of change, over the period 2000 to 2007 the recycling activity saw its output expand at an average annual rate of 4.2 %, far ahead of the industrial (NACE Sections C to E) average over the same period (1.6 %). As such, based on the production index, this was the fastest growing industrial NACE division during this period. Growth was particularly strong in 2006 and 2007, reaching 11.1 % and 9.5 %. This performance was confirmed by the employment index which grew by 5.8 % per year on average over the same seven year period, and by 4.7 % per annum over the ten years to 2007: only six industrial NACE divisions recorded overall employment growth during this ten-year period and recycling had by far the fastest growth rate among them.

(1) Bulgaria, Poland and Romania, 2005; Ireland, Greece, Cyprus, Malta and the Netherlands, incomplete or not available.

Table 15.1: Recycling; collection, purification and distribution of water (NACE Divisions 37 and 41)Structural profile, EU-27, 2006 (1)

| | Enterpri | ises | Turnov | er | Value ad | ded | Persons employed | | |
|----------------------------|------------|--------------|----------|--------------|----------|--------|------------------|--------|--|
| | | (% of | (EUR | (% of | (EUR | (% of | | (% of | |
| | (thousand) | total) | million) | total) | million) | total) | (thousand) | total) | |
| Water supply and recycling | 24.7 | 100.0 | 90 876 | 100.0 | 31 371 | 100.0 | 521.2 | 100.0 | |
| Water supply | 9.0 | 36.4 | 47 219 | 52.0 | 23 264 | 74.2 | 370.7 | 71.1 | |
| Recycling | 15.7 | 63.6 | 43 658 | 48.0 | 8 107 | 25.8 | 150.5 | 28.9 | |

(1) Rounded estimates based on non-confidential data.

Map 15.1: Recycling; collection, purification and distribution of water (NACE Divisions 37 and 41) Persons employed in recycling and water supply (NACE Divisions 37 and 41) as a proportion of those employed in the non-financial business economy (NACE Sections C to I and K)







The employment index for water supply displayed a similar profile to that for industry as a whole, but with a slower rate of decline: for water supply the index fell by 0.2 % per annum on average between 1997 and 2007, compared with a fall of 1.2 % for industry as a whole.

A size class analysis of water supply and recycling in the EU-27 indicates very different structures in these subsectors. In recycling, small enterprises (with between 10 and 49 persons employed) and medium-sized enterprises (with between 50 and 249 persons employed) collectively employed 65.4 % of the workforce in the EU-27 in 2006, well above the non-financial business economy average of 37.7 %. In fact, the 35.0 % share of small enterprises was the second highest employment share recorded by small enterprises among any of the NACE divisions of the non-financial business economy⁽²⁾. In contrast, in water supply, large enterprises (with more than 250 persons employed) were responsible for more than three fifths of employment in the EU-27 and around two thirds of value added.

Figure 15.2: Recycling; collection, purification and distribution of water (NACE Divisions 37 and 41) Share of employment by enterprise size class, EU-27, 2006





(2) NACE Divisions 16, 32, 60 and 73, 2005; NACE Divisions 11 and 12, not available.



Figure 15.3: Recycling; collection, purification and distribution of water (NACE Divisions 37 and 41) Employment characteristics, 2007

Source: Eurostat (LFS)

Employment characteristics

The labour force of the EU-27's water supply and recycling sector was characterised by a high proportion of male employment, 78.4 % in 2007: this was 13.4 percentage points higher than the non-financial business economy average. The two subsectors recorded fairly similar proportions of the workforce that were male - however, in other respects the two workforces were quite different. The incidence of full-time employment in the water supply subsector was 95.3 %, whereas for recycling the full-time employment rate was 89.7 %, these two being either side of the industrial average of 92.7 % but both above the non-financial business economy average. In terms of the age profile of the workforce the differences were more substantial, with workers aged less than 30 accounting for 20.2 % of the recycling workforce, but just 14.7 % of the water supply workforce. In compensation the proportion of older workers (aged 50 or over) was 29.6 % for water supply compared with 22.2 % for recycling. As such, the water supply subsector had the fourth lowest proportion of younger workers of any non-financial business economy NACE division, and the second highest proportion of older workers.

Expenditure, productivity and profitability

Investment by the EU-27's water supply subsector was EUR 11.4 billion in 2006, dwarfing the EUR 2.1 billion of investment by the recycling subsector, the combined total equivalent to 1.3 % of non-financial business economy investment. Nevertheless, relative to their size (in value added terms), both subsectors had high levels of investment: the recycling subsector's investment rate was 25.9 %, above the non-financial business economy average of 18.4 %, while that for the water supply subsector was 49.2 %, the highest of any industrial NACE division and the fourth highest among all non-financial business economy NACE divisions. Nearly every Member State⁽³⁾ recorded a higher investment rate for the water supply and recycling sector than for the non-financial business economy as a whole, the exceptions being Bulgaria (2005) and Portugal.

An analysis of operating expenditure also shows diversity between the two subsectors: personnel costs accounted for 28.5 % of operating expenditure in the EU-27's water supply subsector in 2006, and 9.6 % in the recycling subsector, both far from the non-financial business economy average of 16.1 %. As a percentage of the total purchases of goods and services, purchases of energy were more than twice as important for the water supply subsector as for the recycling subsector.

(3) Bulgaria, Poland and Romania, 2005; Ireland, Greece, Cyprus, Malta and the Netherlands, not available.

Table 15.2: Recycling; collection, purification and distribution of water (NACE Divisions 37 and 41)Expenditure, productivity and profitability, EU-27, 2006

| | | | | (EUR th | ousand | | | |
|----------------------------|-----------|---------------|----------|----------|-----------|----------|-----------|--|
| | | (EUR million) | 1 | per pe | erson) | (%) | | |
| | | | | | | Wage | | |
| | | | Invest- | Apparent | | adjusted | | |
| | | Purchases | ment in | labour | Average | labour | Gross | |
| | Personnel | of goods | tangible | produc- | personnel | produc- | operating | |
| | costs | & services | goods | tivity | costs | tivity | rate | |
| Water supply and recycling | 13 842 | 61 054 | 13 546 | 60.2 | 27.3 | 220.5 | 19.3 | |
| Water supply | 10 015 | 25 170 | 11 446 | 62.8 | 27.3 | 229.8 | 28.1 | |
| Recycling | 3 827 | 35 884 | 2 100 | 53.9 | 27.3 | 197.6 | 9.8 | |

Source: Eurostat (SBS)

Figure 15.4: Recycling; collection, purification and distribution of water (NACE Divisions 37 and 41) Investment rate, EU-27, 2006 (%)



Source: Eurostat (SBS)

Figure 15.5: Recycling; collection, purification and distribution of water (NACE Divisions 37 and 41) Analysis of operating expenditure, EU-27, 2006 (%)



Purchases of goods and services
 Personnel costs

Figure 15.6: Recycling; collection, purification and distribution of water (NACE Divisions 37 and 41) Share of expenditure on energy products in total purchases of goods and services, EU-27, 2006 (%)



Bulgaria, Germany, Malta, the Netherlands, Poland and Slovenia, not available; Latvia and Romania, 2005.
 Bulgaria, Germany, Greece, Cyprus, Malta, Poland and Slovenia, not available; Ireland, Latvia and the Netherlands, 2005.
 Bulgaria, Greece, Malta, Poland and Slovenia, not available; Ireland and the Netherlands, 2005.

Source: Eurostat (SBS)

In other respects the two subsectors were remarkably similar in the EU-27. They had identical average personnel costs in 2006, EUR 27.3 thousand per employee, slightly below the non-financial business economy average of EUR 28.8 thousand per employee. They also both had above average apparent labour productivity, particularly water supply where value added averaged EUR 62.8 thousand per person employed. As a consequence, both subsectors recorded high wage adjusted labour productivity ratios, as value added per person employed was equivalent to 197.6 % of average personnel costs in the recycling subsector and 229.8 % for water supply.

In terms of operating profitability, measured here by the gross operating rate, the EU-27's water supply subsector recorded a rate of 28.1 % in 2006, equivalent to 2.6 times as high as the non-financial business economy average rate of 10.8 %, and the third highest rate among the industrial NACE divisions. In contrast, the gross operating rate for the recycling subsector was 9.8 %, just below the non-financial business economy average.

15.1: Water supply

This subchapter describes the activities of (public) water supply. This concerns the collection, purification, desalinisation and distribution of water (NACE Division 41) and is treated in NACE separately from the collection and treatment of sewage (NACE Class 90.01). It should be noted that some water, particularly when used in production processes, does not come from the public water supply system, but rather is abstracted directly for own use.

The organisation of water supply within the EU varies between countries, with state-owned, private and mutual enterprises, as well as municipalities involved in terms of the ownership or operation of infrastructure.

Among the key issues that affect this sector are the quality of drinking water, and the efficient use of water resources, the latter concerning issues such as pricing, repair of leakages, metering of water use, and water efficient practices. Furthermore, the cost of related services (such as wastewater collection and treatment) is an important factor, as is the impact of changes in consumption patterns, for example, the increased use of water related to growth in tourism particularly in areas with scarce water resources.

The volume of public water supply (PWS) is shown, with information on the proportion supplied to households and the extent of their connection to the PWS network in 2006. Although the data set is incomplete, in all available Member States the proportion of households connected to the PWS was close to or in excess of three quarters and in many Member States the proportion exceeded 90 %. In most Member States in 2005 the majority of the population was connected to the urban wastewater collecting system and most wastewater was treated after collection.

Structural profile

In 2006, the EU-27's water supply sector (NACE Division 41) was made up of approximately 9.0 thousand enterprises which generated EUR 23.3 billion of value added and employed 370.7

Table 15.3: Collection, purification and distribution of water Public water supply (PWS), 2006 (m³ per capita per year) (1)

| | | | Proportion of |
|----|-------|-----------|----------------------|
| | | of which, | households |
| | Total | to house- | connected |
| | PWS | holds | to PWS (%) |
| BE | : | : | 97.6 |
| BG | 52 | 35 | 98.9 |
| CZ | 52 | 33 | 92.4 |
| DK | 69 | 45 | : |
| DE | : | : | : |
| EE | : | : | 74.0 |
| IE | : | : | 83.0 |
| EL | : | : | : |
| ES | 106 | 64 | : |
| FR | : | : | : |
| IT | : | : | : |
| СҮ | 163 | 96 | 100.0 |
| LV | 115 | : | : |
| LT | 29 | : | 76.0 |
| LU | : | : | : |
| HU | : | 37 | : |
| МТ | 77 | 28 | 100.0 |
| NL | 67 | 45 | 99.9 |
| AT | : | : | : |
| PL | 42 | 32 | 86.3 |
| PT | 52 | 45 | 91.5 |
| RO | 78 | 25 | : |
| SI | 60 | 43 | : |
| SK | 70 | : | 84.0 |
| FI | : | : | : |
| SE | 82 | 53 | 85.3 |
| UK | 104 | : | : |
| HR | 115 | 41 | : |
| TR | : | : | 78.5 |
| IS | 228 | 102 | 95.0 |
| NO | : | 66 | 89.0 |
| СН | 132 | 84 | |

Table 15.4: Collection, purification and distribution of water Proportion of the population connected to urban wastewater collecting systems, 2005 (%) (1)

| | | With | With tertiary |
|--------|-------|-----------|---------------|
| | Total | treatment | treatment |
| BE | 86 | 55 | : |
| BG | 69 | 41 | 0 |
| CZ | 79 | 75 | 56 |
| DK | : | : | : |
| DE | 96 | 94 | 90 |
| EE | 73 | 73 | 46 |
| IE | 95 | 84 | 12 |
| EL | : | : | : |
| ES | 100 | 92 | 27 |
| FR | : | : | : |
| IT | : | : | : |
| CY | 30 | 30 | 18 |
| LV | : | 67 | 38 |
| LT | 70 | 70 | 36 |
| LU | : | 95 | 22 |
| HU | : | 62 | 20 |
| MT | 100 | 13 | 13 |
| NL | 99 | 99 | 94 |
| AT | 89 | 89 | 83 |
| PL | : | 60 | 37 |
| PT | 74 | 65 | : |
| RO | 40 | 28 | 0 |
| SI | 63 | 45 | 11 |
| SK | 57 | 55 | : |
| FI | : | : | : |
| SE (2) | 86 | 86 | 81 |
| UK (3) | 98 | 97 | 43 |
| TR | 68 | 36 | 3 |
| IS | 90 | 57 | 0 |
| NO | 82 | 77 | 56 |
| СН | 97 | 97 | 77 |

(1) Germany, Estonia, Hungary, Austria and Turkey, 2004;

Luxembourg, 2003. (2) Tertiary treatment, 2004.

(3) England and Wales only.

Source: Eurostat (Water)

however, this sector was largest in Poland and Germany, both with workforces in excess of 40.0 thousand persons, followed by Romania and France. In value added terms, the water supply sector was relatively most important in Slovakia and Bulgaria (2005)⁽⁴⁾, where it contributed more than 1 % to non-financial business economy (NACE Sections C to I and K) value added; Sweden was by far the least specialised in this sector in that its contribution to Swedish non-financial business economy value added was just 0.04 % in 2006.

(1) Belgium, Ireland,Latvia, Malta, Portugal, Romania, the United Kingdom, Croatia, Iceland and Norway, 2005; Denmark, Spain, Hungary and Turkey, 2004; Slovakia, 2003.

Source: Eurostat (Water)

thousand persons. As such, this activity accounted for around three quarters of water supply and recycling (NACE Divisions 41 and 37) value added and a slightly smaller share of employment in the EU-27.

The United Kingdom and Germany had the largest water supply sectors in value added terms, both generating over EUR 5 billion of value added in this sector in 2006, twice as much as the next largest Member State, France. In terms of employment,

(*) Bulgaria, Poland and Romania, 2005; Ireland, Greece, Cyprus, Malta and the Netherlands, not available.



| Struct | arai prometrama | ing of top | inve men | iber states in tern | is of vale | ic udded | and persons employe | .0,2000 | | |
|--------|-----------------|------------|--------------|---------------------|------------|--------------|---------------------------------|--------------|--|--|
| | Hig | jhest | | Largest n | umber of | | Most specialised: share in non- | | | |
| | value a | dded (1) | | persons em | nployed (1 | I) | financial business ecor | 10my (%) (2) | | |
| | | (EUR | (% of | | (thou- | (% of | | Value | | |
| | Country | million) | EU-27) | Country | sand) | EU-27) | Country | added | | |
| 1 | United Kingdom | 5 476 | 23.5 | Poland | 46.3 | 12.2 | Slovakia | 1.1 | | |
| 2 | Germany | 5 034 | 21.6 | Germany | 41.5 | 11.2 | Bulgaria | 1.1 | | |
| 3 | France | 2 517 | 10.8 | Romania | 35.4 | 9.5 | Romania | 0.9 | | |
| 4 | Spain | 2 101 | 9.0 | France | 35.2 | 9.5 | Poland | 0.9 | | |
| 5 | Italy | 1 696 | 7.3 | Spain | 30.4 | 8.2 | Hungary | 0.8 | | |

Table 15.5: Collection, purification and distribution of water (NACE Division 41)

 Structural profile: ranking of top five Member States in terms of value added and persons employed, 2006

(1) Greece, Cyprus and Malta, not available; Ireland, the Netherlands and Poland, 2005.

(2) Ireland, Greece, Cyprus, Malta and the Netherlands, not available; Bulgaria, Poland and Romania, 2005.

Source: Eurostat (SBS)

Expenditure and productivity

Investment by the EU-27's water supply sector was valued at EUR 11.4 billion in 2006, equivalent to 49.2 % of the sector's value added, making this the highest investment rate of any industrial NACE division and the fourth highest among all non-financial business economy NACE divisions. Exceptionally high investment rates were recorded in Sweden, Lithuania and Belgium, all in excess of 100 %.

Personnel costs accounted for 28.5 % of operating expenditure in the EU-27's water supply sector in 2006, a share that was well above the nonfinancial business economy average, and the third highest among the industrial NACE divisions. Despite this high share, average personnel costs in this sector in 2006 were EUR 27.3 thousand per employee, slightly below the non-financial business economy average. In contrast, apparent labour productivity was particularly high, at EUR 62.8 thousand per person employed, resulting in a wage adjusted labour productivity ratio of 229.8 %. Exceptionally high wage adjusted labour productivity ratios were recorded in the United Kingdom (537.4 %) and Finland (373.5 %) where this indicator for the water supply sector was at least twice as high as national non-financial business economy averages.

15.2: Recycling

NACE characterises recycling as the processing of used or unused, sorted or unsorted, waste and scrap into secondary raw materials which can then be used by other sectors as an intermediate good - note that it does not extend to the production of new final products, nor does it include the re-use of products (when no real transformation process is required). Recycling, under this definition, therefore involves a number of treatment stages, such as sorting, crushing, mechanical reduction, stripping, separation and cleaning which may be followed by further treatments to prepare raw materials for use by other sectors. These activities are classified as the recycling of waste and scrap (NACE Division 37). This subchapter does not cover waste management which NACE classifies separately, although it and recycling are closely related activities. Note that substantial

recycling may be carried out also by enterprises as ancillary activities, without the involvement of enterprises in the recycling sector.

In November 2008 a new Directive of the European Parliament and the Council on waste⁽⁵⁾ was adopted, replacing the 30 year old existing waste Directive as well as Directives on hazardous waste and waste oils. The new Directive sets recycling targets to be achieved by 2020, establishes a clear hierarchy of waste management options, and clarifies a number of important definitions, such as recycling, recovery and waste itself.

An analysis of the volume of the recovery (reclamation, regeneration, recycling, re-refining) of waste shows that in excess of 1 088 billion tonnes of waste were recovered in the EU in 2006, with metallic waste, which is an important source of materials for metal processing activities, accounting for around 6.3 % of this total.

(⁵) Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste.

Table 15.6: Recovery of selected wastestreams, 2006 (thousand tonnes) (1)

| | | Metallic | Glass |
|----|---------|----------|--------|
| | Total | wastes | wastes |
| BE | 23 141 | 2 715 | 282 |
| BG | 1 987 | 1 148 | 47 |
| CZ | 11 354 | 1 307 | : |
| DK | 17 513 | 942 | : |
| DE | 251 113 | 7 652 | 2 029 |
| EE | 6 208 | 4 | 7 |
| IE | 15 462 | 31 | 14 |
| EL | 10 527 | 2 599 | 54 |
| ES | 42 289 | 5 292 | 1 436 |
| FR | 264 778 | 10 136 | 2 174 |
| IT | 75 633 | 8 229 | 2 083 |
| CY | 605 | 46 | 4 |
| LV | 456 | 9 | 1 |
| LT | 2 119 | 15 | 29 |
| LU | 6 429 | : | : |
| HU | 3 217 | 760 | 21 |
| MT | 152 | 0 | 1 |
| NL | 69 240 | 1 941 | 495 |
| AT | 36 390 | 1 615 | 252 |
| PL | 136 879 | 8 005 | 668 |
| PT | 9 940 | 2 842 | 405 |
| RO | 4 281 | 2 319 | 80 |
| SI | 2 014 | 750 | : |
| SK | 5 075 | 511 | 11 |
| FI | 18 590 | 1 266 | 149 |
| SE | 17 836 | 1 590 | 93 |
| UK | 108 937 | 10 541 | 1 198 |
| HR | 422 | 16 | 13 |
| TR | 1 464 | 9 | 7 |
| IS | 83 | 0 | 6 |
| NO | 3 233 | 880 | 91 |

(1) For example, reclamation, regeneration, recycling, re-refining; excludes internal recycling (recovery from own waste); Austria, Sweden, Croatia and Iceland, 2004; Belgium, the United Kingdom and Iceland, including estimates.

Source: Eurostat (Waste)

Structural profile

In 2006, the EU-27's recycling sector (NACE Division 37) had around 15.7 thousand enterprises which generated a value added of EUR 8.1 billion and employed 150.5 thousand persons. The recycling sector therefore contributed around one quarter of the total value added (25.8 %) for water supply and recycling (NACE Divisions 41 and 37) and closer to three tenths (28.9 %) of its workforce. In 2006 recycling was the smallest manufacturing (NACE Section D) NACE division in

the EU-27 in employment and value added terms. In 2005 the EU-27's recycling sector was fairly equally split between the metal recycling subsector (NACE Group 37.1) and non-metal recycling (NACE Group 37.2). The non-metal recycling subsector was comparable in employment terms with the metal recycling subsector, both with a workforce of about 71.0 thousand persons. In value added terms, metal recycling was slightly larger than non-metal recycling in 2005, but incomplete data already available for 2006 shows that value added in both of these subsectors increased significantly in 2006.

France and the United Kingdom had the largest recycling sectors in the EU-27 in 2006, both in terms of value added and employment. Romania (2005) and Slovenia had the highest value added specialisation among the Member States⁽⁶⁾ in recycling, as this sector contributed 0.3 % or more of their non-financial business economy (NACE Sections C to I and K) value added. In most of the Member States the metal recycling subsector generated higher value added than the non-metal recycling subsector, with the reverse situation only in two of the larger Member States, Germany and Italy, as well as in Belgium and the Netherlands (2005).

Expenditure and productivity

The EU-27's recycling sector recorded tangible investment valued at EUR 2.1 billion in 2006, leading to an investment rate of 25.9 %, well above the non-financial business economy average of 18.4 %. Denmark, Italy and the Czech Republic all recorded investment rates in this sector that were at least twice as high as the average for their national non-financial business economies.

Personnel costs accounted for a relatively low proportion of operating expenditure in the EU-27's recycling sector, just 9.6 %, which was well below the non-financial business economy average of 16.1 %. This share was particularly low for the metal recycling subsector (6.7 %), perhaps reflecting the relatively high expenditure on the purchase of metal waste and scrap for processing, whereas for non-metal recycling the share of personnel costs (16.7 %) was just above the nonfinancial business economy average. Average personnel costs in 2006 were EUR 27.3 thousand per employee in the EU-27's recycling sector, while apparent labour productivity was EUR 53.9 thousand per person employed. This resulted in a wage

(*) Bulgaria, Cyprus, Poland and Romania, 2005; Ireland, Greece, Malta and the Netherlands, not available.

adjusted labour productivity ratio of 197.6 % in 2006, well above the non-financial business economy average (151.1 %). In 2006, the vast majority of Member States recorded a higher wage adjusted labour productivity ratio in the recycling sector than in the non-financial business economy as a whole, the exceptions being Denmark, Estonia, Lithuania and Poland (2005). The highest ⁽⁷⁾ wage adjusted labour productivity ratio in the recycling sector was recorded in Bulgaria where it reached an exceptional 1 180.7 %, whereas Denmark was the only Member State to record a wage adjusted labour productivity ratio in the recycling sector that was below 100 %.

(?) Ireland, the Netherlands and Poland, 2005; Greece and Malta, not available.

Table 15.7: Recycling (NACE Division 37) Structural profile, EU-27, 2006 (1)

| | | | | Persons |
|--|-------------|---------------|---------------|------------|
| | Enterprises | Turnover | Value added | employed |
| | (thousand) | (EUR million) | (EUR million) | (thousand) |
| Recycling | 15.7 | 43 658 | 8 107 | 150.5 |
| Recycling of metal waste and scrap (2) | 8.4 | 30 000 | 3 438 | 70.4 |
| Recycling of non-metal waste and scrap (3) | 7.4 | 14 000 | 3 640 | 71.0 |

(1) Rounded estimates based on non-confidential data.

(2) Value added and number of persons employed, 2005.

(3) Number of persons employed, 2005.

Source: Eurostat (SBS)

Table 15.8: Recycling (NACE Division 37)

Structural profile: ranking of top five Member States in terms of value added and persons employed, 2006

| | Hig | ghest | | Largest n | umber of | | Most specialised: share in non- | | | |
|---|----------------|----------|--------|----------------|--------------------------|--------|-----------------------------------|-------|--|--|
| | value a | dded (1) | | persons en | n <mark>ployed</mark> (1 | I) | financial business economy (%) (2 | | | |
| | | (EUR | (% of | | (thou- | (% of | | Value | | |
| | Country | million) | EU-27) | Country | sand) | EU-27) | Country | added | | |
| 1 | France | 1 882 | 23.2 | France | 29.9 | 19.9 | Romania | 0.3 | | |
| 2 | United Kingdom | 1 821 | 22.5 | United Kingdom | 21.1 | 14.0 | Slovenia | 0.3 | | |
| 3 | Germany | 1 231 | 15.2 | Germany | 19.4 | 12.9 | France | 0.2 | | |
| 4 | Italy | 892 | 11.0 | Italy | 16.7 | 11.1 | Belgium | 0.2 | | |
| 5 | Spain | 378 | 4.7 | Romania | 13.5 | 9.0 | Slovakia | 0.2 | | |

(1) Greece and Malta, not available; Ireland, the Netherlands and Poland, 2005.

(2) Ireland, Greece, Malta and the Netherlands, not available; Bulgaria, Cyprus, Poland and Romania, 2005.

Source: Eurostat (SBS)

Table 15.9: Recycling (NACE Division 37)

Expenditure, productivity and profitability, EU-27, 2006 (1)

| | (| EUR million) | | (EUR thousand per person) | | | |
|--|-----------|--------------|-------------|---------------------------|-----------|--|--|
| | | Purchases | Investment | Apparent | Average | | |
| | Personnel | of goods | in tangible | labour | personnel | | |
| | costs | & services | goods | productivity | costs | | |
| Recycling | 3 827 | 35 884 | 2 100 | 53.9 | 27.3 | | |
| Recycling of metal waste and scrap (2) | 1 800 | 25 000 | 1 207 | 48.9 | 25.7 | | |
| Recycling of non-metal waste and scrap (2) | 2 000 | 10 000 | 900 | 44.0 | 28.2 | | |

(1) Rounded estimates based on non-confidential data.

(2) Apparent labour productivity, 2005.

| Table 15.10: Collection, purification and distribution of water (NACE Division 41) |
|--|
| Main indicators, 2006 (1) |

| | BE | BG | CZ | DK | DE | EE | IE | EL | ES | FR | IT | СҮ | LV | LT |
|---|--|---|--|--|--|--|--|--|--|--|--|--|--|--|
| Enterprises | 0.1 | 0.1 | 0.2 | 1.8 | 1.8 | 0.1 | 0.0 | : | 1.3 | 0.3 | 0.9 | : | 0.0 | 0.1 |
| Persons employed | 6.2 | 18.3 | 19.9 | 3.3 | 41.5 | 1.6 | 0.0 | : | 30.4 | 35.2 | 25.9 | : | 2.0 | 6.0 |
| Turnover | 1 818 | 206 | 1 013 | 646 | 9 009 | 84 | 0 | : | 4 5 1 9 | 10 491 | 4 378 | : | 43 | 106 |
| Production | 1 919 | 211 | 1 019 | 658 | 9 155 | 88 | 0 | : | 4 692 | 10 899 | 4 766 | : | 47 | 114 |
| Purch. of goods & serv. | 1 271 | 108 | 577 | 313 | 3 745 | 31 | 0 | : | 2 785 | 8 197 | 2 846 | : | 15 | 43 |
| Value added | 754 | 107 | 445 | 155 | 5 034 | 52 | 0 | : | 2 101 | 2 517 | 1 696 | : | 29 | 67 |
| Personnel costs | 446 | 69 | 240 | 68 | 1 820 | 16 | 0 | : | 1 1 4 6 | 1 794 | 1 073 | : | 12 | 41 |
| Average personnel costs | 72.6 | 3.8 | 12.3 | 22.5 | 43.8 | 10.0 | : | : | 38.5 | 51.0 | 43.3 | : | 6.0 | 6.7 |
| Gross operating surplus | 309 | 38 | 205 | 87 | 3 214 | 36 | 0 | : | 955 | 723 | 623 | : | 17 | 27 |
| Gross investment | 812 | 21 | 160 | 88 | 2 486 | 46 | 0 | : | 838 | 548 | 674 | : | 27 | 99 |
| Apparent labour prod. | 122.3 | 5.9 | 22.3 | 47.2 | 121.2 | 32.4 | : | : | 69.0 | 71.6 | 65.4 | : | 14.6 | 11.2 |
| Wage adj. labour prod. | 168.6 | 155.4 | 181.8 | 209.6 | 276.5 | 324.6 | : | : | 179.1 | 140.2 | 151.0 | : | 242.6 | 165.4 |
| Gross operating rate | 17.0 | 18.6 | 20.2 | 13.4 | 35.7 | 42.6 | : | : | 21.1 | 6.9 | 14.2 | : | 40.6 | 25.2 |
| Investment rate | 107.7 | 19.9 | 36.0 | 57.0 | 49.4 | 89.3 | : | : | 39.9 | 21.8 | 39.7 | : | 90.0 | 146.5 |
| | | | | | | | | | | | | | | |
| | LU | HU | МТ | NL | AT | PL | РТ | RO | SI | SK | FI | SE | UK | NO |
| Enterprises | LU 0.0 | HU 0.3 | MT : | NL 0.0 | AT 0.2 | PL 0.6 | PT 0.2 | RO 0.2 | SI 0.1 | SK 0.0 | FI 0.6 | SE 0.1 | UK 0.1 | NO 0.2 |
| Enterprises Persons employed | LU 0.0 0.1 | HU 0.3 21.2 | MT : | NL 0.0 5.3 | AT 0.2 2.7 | PL 0.6 46.3 | PT 0.2 13.3 | RO 0.2 35.4 | SI 0.1 4.0 | SK 0.0 12.9 | FI 0.6 2.3 | SE 0.1 1.1 | UK 0.1 26.1 | NO 0.2 0.8 |
| Enterprises Persons employed Turnover | LU 0.0 0.1 29 | HU 0.3 21.2 662 | MT : : | NL 0.0 5.3 1654 | AT 0.2 2.7 457 | PL 0.6 46.3 1555 | PT 0.2 13.3 911 | RO 0.2 35.4 494 | SI 0.1 4.0 244 | SK 0.0 12.9 347 | FI 0.6 2.3 511 | SE 0.1 1.1 204 | UK 0.1 26.1 7 097 | NO 0.2 0.8 104 |
| Enterprises Persons employed Turnover Production | LU 0.0 0.1 29 22 | HU 0.3 21.2 662 653 | MT : : | NL 0.0 5.3 1654 1693 | AT 0.2 2.7 457 474 | PL 0.6 46.3 1555 1619 | PT 0.2 13.3 911 871 | RO 0.2 35.4 494 527 | SI 0.1 4.0 244 259 | SK 0.0 12.9 347 358 | FI 0.6 2.3 511 534 | SE 0.1 1.1 204 213 | UK 0.1 26.1 7 097 7 912 | NO 0.2 0.8 104 116 |
| Enterprises Persons employed Turnover Production Purch. of goods & serv. | LU 0.0 0.1 29 22 13 | HU 0.3 21.2 662 653 353 | MT : : : | NL 0.0 5.3 1654 1693 611 | AT 0.2 2.7 457 474 164 | PL 0.6 46.3 1555 1619 521 | PT 0.2 13.3 911 871 463 | RO 0.2 35.4 494 527 215 | SI 0.1 4.0 244 259 137 | SK 0.0 12.9 347 358 151 | FI 0.6 2.3 511 534 193 | SE 0.1 1.1 204 213 142 | UK 0.1 26.1 7 097 7 912 2 069 | NO 0.2 0.8 104 116 15 |
| Enterprises Persons employed Turnover Production Purch. of goods & serv. Value added | LU 0.0 0.1 29 22 13 16 | HU 0.3 21.2 662 653 353 326 | MT : : : : | NL 0.0 5.3 1654 1693 611 925 | AT 0.2 2.7 457 474 164 312 | PL 0.6 46.3 1555 1619 521 1078 | PT 0.2 13.3 911 871 463 534 | RO 0.2 35.4 494 527 215 289 | SI 0.1 4.0 244 259 137 122 | SK 0.0 12.9 347 358 151 202 | FI 0.6 2.3 511 534 193 358 | SE 0.1 1.1 204 213 142 71 | 0.1 26.1 7 097 7 912 2 069 5 476 | NO 0.2 0.8 104 116 15 49 |
| Enterprises Persons employed Turnover Production Purch. of goods & serv. Value added Personnel costs | LU 0.0 0.1 29 22 13 16 9 | HU 0.3 21.2 662 653 353 326 242 | MT | NL 0.0 5.3 1654 1693 611 925 321 | AT 0.2 2.7 457 474 164 312 118 | PL 0.6 46.3 1555 1619 521 1078 455 | PT 0.2 13.3 911 871 463 534 262 | RO 0.2 35.4 494 527 215 289 185 | SI 0.1 4.0 244 259 137 122 79 | SK 0.0 12.9 347 358 151 202 113 | FI 0.6 2.3 511 534 193 358 96 | SE 0.1 1.1 204 213 142 71 55 | UK 0.1 26.1 7 097 2 912 2 069 5 476 1 017 | NO 0.2 0.8 104 116 15 49 19 |
| Enterprises Persons employed Turnover Production Purch. of goods & serv. Value added Personnel costs Average personnel costs | LU 0.0 0.1 29 22 13 16 9 78.3 | HU 0.3 21.2 662 653 353 326 242 11.4 | MT : : : : : : : : : : : : : : : : : : : | NL 0.0 5.3 1654 1693 611 925 321 59.9 | AT 0.2 2.7 457 474 164 312 118 44.5 | PL 0.6 46.3 1555 1619 521 1078 455 9.9 | PT 0.2 13.3 911 871 463 534 262 19.7 | RO 0.2 35.4 494 527 215 289 185 5.2 | SI 0.1 4.0 244 259 137 122 79 19.8 | SK 0.0 12.9 347 358 151 202 113 8.8 | FI 0.6 2.3 511 534 193 358 96 42.5 | SE 0.1 1.1 204 213 142 71 55 55.0 | UK 0.1 26.1 7 097 7 912 2 069 5 476 1 017 39.1 | NO 0.2 0.8 104 116 15 49 19 23.4 |
| Enterprises Persons employed Turnover Production Purch. of goods & serv. Value added Personnel costs Average personnel costs Gross operating surplus | LU 0.0 0.1 29 22 13 16 9 78.3 7 | HU 0.3 21.2 662 653 353 326 242 11.4 84 | MT : : : : : : : : : : : : : : : : : : : | NL 0.0 5.3 1654 1693 611 925 321 59.9 604 | AT 0.2 2.7 457 474 164 312 118 44.5 194 | PL 0.6 46.3 1555 1619 521 1078 455 9.9 623 | PT 0.2 13.3 911 871 463 534 262 19.7 273 | RO 0.2 35.4 494 527 215 289 185 5.2 105 | SI 0.1 4.0 244 259 137 122 79 19.8 43 | SK 0.0 12.9 347 358 151 202 113 8.8 89 | FI 0.6 2.3 511 534 193 358 96 42.5 262 | SE 0.1 1.1 204 213 142 71 55 55.0 7 | UK 0.1 26.1 7 097 7 912 2 069 5 476 1 017 39.1 4 460 | NO 0.2 0.8 104 116 15 49 19 23.4 31 |
| Enterprises Persons employed Turnover Production Purch. of goods & serv. Value added Personnel costs Average personnel costs Gross operating surplus Gross investment | LU 0.0 0.1 29 22 13 16 9 78.3 7 3 | HU 0.3 21.2 662 653 353 326 242 11.4 84 109 | MT : : : : : : : : : : : : : : : : : : : | NL 0.0 5.3 1654 1693 611 925 321 59.9 604 417 | AT 0.2 2.7 457 474 164 312 118 44.5 194 99 | PL 0.6 46.3 1555 1619 521 1078 455 9.9 623 409 | PT 0.2 13.3 911 871 463 534 262 19.7 273 94 | RO 0.2 35.4 494 527 215 289 185 5.2 105 160 | SI 0.1 4.0 244 259 137 122 79 19.8 43 91 | SK 0.0 12.9 347 358 151 202 113 8.8 89 192 | FI 0.6 2.3 511 534 193 358 96 42.5 262 188 | SE 0.1 1.1 204 213 142 71 55 55.0 7 106 | UK 0.1 26.1 7 097 2 069 5 476 1 017 39.1 4 460 3 700 | NO 0.2 0.8 104 116 15 49 19 23.4 31 41 |
| Enterprises Persons employed Turnover Production Purch. of goods & serv. Value added Personnel costs Average personnel costs Gross operating surplus Gross investment Apparent labour prod. | LU 0.0 0.1 29 22 13 16 9 78.3 7 7 3 136.0 | HU 0.3 21.2 662 653 353 326 242 11.4 84 109 15.3 | MT : : : : : : : : : : : : : : : : : : : | NL 0.0 5.3 1654 1693 611 925 321 59.9 604 417 173.2 | AT 0.2 2.7 457 474 164 312 118 44.5 194 99 116.9 | PL 0.6 46.3 1555 1619 521 1078 455 9.9 623 409 23.3 | PT 0.2 13.3 911 871 463 534 262 19.7 273 94 40.1 | RO 0.2 35.4 494 527 215 289 185 5.2 105 160 8.2 | SI 0.1 4.0 244 259 137 122 79 19.8 43 91 30.4 | SK 0.0 12.9 347 358 151 202 113 8.8 89 192 15.7 | FI 0.6 2.3 511 534 193 358 96 42.5 262 188 158.6 | SE 0.1 1.1 204 213 142 71 55 55.0 7 106 65.6 | UK 0.1 26.1 7 097 2 069 5 476 1 017 39.1 4 460 3 700 210.2 | NO 0.2 0.8 104 116 15 49 19 23.4 31 41 61.5 |
| Enterprises Persons employed Turnover Production Purch. of goods & serv. Value added Personnel costs Average personnel costs Gross operating surplus Gross investment Apparent labour prod. Wage adj. labour prod. | LU 0.0 0.1 29 22 13 16 9 78.3 7 3 136.0 173.6 | HU 0.3 21.2 662 653 353 326 242 11.4 84 109 15.3 134.3 | MT : : : : : : : : : : : : : : : : : : : | NL 0.0 5.3 1654 1693 611 925 321 59.9 604 417 173.2 289.0 | AT 0.2 2.7 457 474 164 312 118 44.5 194 99 116.9 262.6 | PL 0.6 46.3 1555 1619 521 1078 455 9.9 623 409 23.3 235.3 | PT 0.2 13.3 911 871 463 534 262 19.7 273 94 40.1 203.8 | RO 0.2 35.4 494 527 215 289 185 5.2 105 160 8.2 156.5 | SI 0.1 4.0 244 259 137 122 79 19.8 43 91 30.4 153.8 | SK 0.0 12.9 347 358 151 202 113 8.8 89 192 15.7 178.6 | FI 0.6 2.3 511 534 193 358 96 42.5 262 188 158.6 373.5 | SE 0.1 1.1 204 213 142 71 55 55.0 7 106 65.6 119.3 | UK 0.1 26.1 7 097 7 912 2 069 5 476 1 017 39.1 4 460 3 700 210.2 537.4 | NO 0.2 0.8 104 116 15 49 19 23.4 31 41 61.5 263.4 |
| Enterprises Persons employed Turnover Production Purch. of goods & serv. Value added Personnel costs Average personnel costs Gross operating surplus Gross investment Apparent labour prod. Wage adj. labour prod. Gross operating rate | LU 0.0 0.1 29 22 13 16 9 78.3 7 7 3 136.0 173.6 22.7 | HU 0.3 21.2 662 653 353 326 242 11.4 84 109 15.3 134.3 12.7 | MT : : : : : : : : : : : : : : : : : : : | NL 0.0 5.3 1654 1693 611 925 321 59.9 604 417 173.2 289.0 36.5 | AT 0.2 2.7 457 474 164 312 118 44.5 194 99 116.9 262.6 42.5 | PL 0.6 46.3 1555 1619 521 1078 455 9.9 623 409 23.3 235.3 40.0 | PT 0.2 13.3 911 871 463 534 262 19.7 273 94 40.1 203.8 29.9 | RO 0.2 35.4 494 527 215 289 185 5.2 105 160 8.2 156.5 21.2 | SI 0.1 4.0 244 259 137 122 79 19.8 43 91 30.4 153.8 17.5 | SK 0.0 12.9 347 358 151 202 113 8.8 89 192 15.7 178.6 25.7 | FI 0.6 2.3 511 534 193 358 96 42.5 262 188 158.6 373.5 51.3 | SE 0.1 1.1 204 213 142 71 55 55.0 7 106 65.6 119.3 3.6 | UK 0.1 26.1 7 097 7 912 2 069 5 476 1 017 39.1 4 460 3 700 210.2 537.4 62.8 | NO 0.2 0.8 104 116 15 49 19 23.4 31 41 61.5 263.4 29.5 |

(1) Ireland, Netherlands and Poland, 2005; unless otherwise stated, values refer to EUR million; number of enterprises and number of persons employed are given in thousands; average personnel costs and apparent labour productivity are given in EUR thousand per person; wage adjusted labour productivity, gross operating rate and investment are ratios expressed as percentages.

Table 15.11: Recycling (NACE Division 37)Main indicators, 2006 (1)

| | BE | BG | CZ | DK | DE | EE | IE | EL | ES | FR | IT | СҮ | LV | LT |
|---|--|---|--|--|--|---|--|--|---|---|--|--|---|---|
| Enterprises | 0.4 | 0.1 | 0.7 | 0.1 | 1.1 | 0.0 | 0.0 | : | 0.3 | 4.4 | 2.5 | 0.0 | 0.1 | 0.1 |
| Persons employed | 4.1 | 1.3 | 5.8 | 1.0 | 19.4 | 0.6 | 0.5 | : | 6.8 | 29.9 | 16.7 | 0.2 | 0.7 | 1.7 |
| Turnover | 2 650 | 222 | 919 | 451 | 6 655 | 94 | 106 | : | 1757 | 9 353 | 5 452 | 34 | 93 | 138 |
| Production | 2 532 | 202 | 862 | 453 | 5 069 | 84 | 105 | : | 1 600 | 5 461 | 4 572 | 35 | 94 | 133 |
| Purch. of goods & serv. | 2 312 | 204 | 824 | 430 | 5 443 | 88 | 72 | : | 1 413 | 7 456 | 4 694 | 26 | 86 | 128 |
| Value added | 335 | 27 | 117 | 37 | 1 231 | 8 | 32 | : | 378 | 1 882 | 892 | 10 | 11 | 18 |
| Personnel costs | 139 | 2 | 53 | 40 | 641 | 6 | 12 | : | 189 | 1 0 4 4 | 417 | 3 | 3 | 11 |
| Average personnel costs | 37.4 | 1.8 | 10.6 | 41.6 | 33.6 | 10.9 | 27.8 | : | 28.1 | 35.9 | 30.9 | 15.9 | 4.6 | 6.8 |
| Gross operating surplus | 196 | 25 | 64 | -3 | 590 | 2 | 20 | : | 189 | 838 | 475 | 7 | 8 | 7 |
| Gross investment | 90 | 10 | 51 | 28 | 167 | 3 | 5 | : | 144 | 423 | 375 | 3 | 9 | 6 |
| Apparent labour prod. | 81.5 | 21.1 | 20.1 | 37.7 | 63.6 | 14.2 | 69.3 | : | 55.9 | 63.0 | 53.4 | 56.5 | 15.4 | 10.6 |
| Wage adj. labour prod. | 217.9 | 1 180.7 | 190.4 | 90.5 | 189.1 | 130.1 | 249.7 | : | 198.6 | 175.5 | 172.8 | 355.9 | 337.7 | 156.5 |
| Gross operating rate | 7.4 | 11.1 | 6.9 | -0.6 | 8.9 | 2.0 | 19.0 | : | 10.8 | 9.0 | 8.7 | 21.7 | 8.3 | 4.7 |
| Investment rate | 26.9 | 37.3 | 43.6 | 75.6 | 13.6 | 39.6 | 16.1 | : | 38.1 | 22.5 | 42.1 | 26.6 | 84.7 | 36.1 |
| | | | | | | | | | | | | | • | |
| | LU | HU | MT | NL | AT | PL | PT | RO | SI | SK | FI | SE | UK | NO |
| Enterprises | LU 0.0 | HU 0.3 | MT : | NL 0.2 | AT 0.2 | PL 1.2 | PT 0.4 | RO 1.3 | SI 0.1 | SK 0.1 | FI 0.1 | SE 0.3 | UK 1.8 | NO 0.1 |
| Enterprises Persons employed | LU 0.0 0.3 | HU 0.3 2.1 | MT : | NL 0.2 2.8 | AT 0.2 1.2 | PL 1.2 10.5 | PT 0.4 2.4 | RO 1.3 13.5 | SI 0.1 1.3 | SK 0.1 1.5 | FI 0.1 0.9 | SE 0.3 2.2 | UK 1.8 21.1 | NO 0.1 1.1 |
| Enterprises Persons employed Turnover | LU 0.0 0.3 62 | HU 0.3 2.1 254 | MT : | NL 0.2 2.8 1 375 | AT 0.2 1.2 453 | PL 1.2 10.5 922 | PT 0.4 2.4 519 | RO 1.3 13.5 1511 | SI 0.1 1.3 233 | SK 0.1 1.5 133 | FI 0.1 0.9 1157 | SE 0.3 2.2 732 | UK 1.8 21.1 7 786 | NO 0.1 1.1 483 |
| Enterprises Persons employed Turnover Production | LU 0.0 0.3 62 62 | HU 0.3 2.1 254 125 | MT : : | NL 0.2 2.8 1375 1115 | AT 0.2 1.2 453 428 | PL 1.2 10.5 922 682 | PT 0.4 2.4 519 304 | RO 1.3 13.5 1511 687 | SI 0.1 1.3 233 196 | SK 0.1 1.5 133 98 | FI 0.1 0.9 1157 626 | SE 0.3 2.2 732 681 | UK 1.8 21.1 7 786 7 453 | NO 0.1 1.1 483 440 |
| Enterprises Persons employed Turnover Production Purch. of goods & serv. | LU 0.0 0.3 62 62 38 | HU 0.3 2.1 254 125 208 | MT : : : | NL 0.2 2.8 1375 1115 1130 | AT 0.2 1.2 453 428 338 | PL 1.2 10.5 922 682 776 | PT 0.4 2.4 519 304 427 | RO 1.3 13.5 1511 687 1422 | SI 0.1 1.3 233 196 187 | SK 0.1 1.5 133 98 97 | FI 0.1 0.9 1157 626 1052 | SE 0.3 2.2 732 681 580 | UK 1.8 21.1 7 786 7 453 5 950 | NO 0.1 1.1 483 440 361 |
| Enterprises Persons employed Turnover Production Purch. of goods & serv. Value added | LU 0.0 0.3 62 62 38 24 | HU 0.3 2.1 254 125 208 50 | MT : : : : : | NL 0.2 2.8 1375 1115 1130 251 | AT 0.2 1.2 453 428 338 124 | PL 1.2 10.5 922 682 776 157 | PT 0.4 2.4 519 304 427 98 | RO 1.3 13.5 1511 687 1422 130 | SI 0.1 1.3 233 196 187 50 | SK 0.1 1.5 133 98 97 39 | FI 0.1 0.9 1157 626 1052 122 | SE 0.3 2.2 732 681 580 158 | UK 1.8 21.1 7 786 7 453 5 950 1 821 | NO 0.1 1.1 483 440 361 135 |
| Enterprises Persons employed Turnover Production Purch. of goods & serv. Value added Personnel costs | LU 0.0 0.3 62 62 38 24 12 | HU 0.3 2.1 254 125 208 50 15 | MT : : : : : : : : : : : : : : : : : : : | NL 0.2 2.8 1375 1115 1130 251 121 | AT 0.2 1.2 453 428 338 124 42 | PL 1.2 10.5 922 682 776 157 66 | PT 0.4 2.4 519 304 427 98 35 | RO 1.3 13.5 1511 687 1422 130 47 | SI 0.1 1.3 233 196 187 50 25 | SK 0.1 1.5 133 98 97 39 14 | FI 0.1 0.9 1157 626 1052 122 40 | SE 0.3 2.2 732 681 580 158 78 | UK 1.8 21.1 7786 7453 5950 1821 735 | NO 0.1 1.1 483 440 361 135 63 |
| Enterprises Persons employed Turnover Production Purch. of goods & serv. Value added Personnel costs Average personnel costs | LU 0.0 0.3 62 62 62 38 24 12 41.8 | HU 0.3 2.1 254 125 208 50 15 7.4 | MT : : : : : : : : : : : : : : : : : : : | NL 0.2 2.8 1375 1115 1130 251 121 42.4 | AT 0.2 1.2 453 428 338 124 42 37.0 | PL 1.2 10.5 922 682 776 157 66 7.4 | PT 0.4 2.4 519 304 427 98 35 35 15.6 | RO 1.3 13.5 1511 687 1422 130 47 3.6 | SI 0.1 1.3 233 196 187 50 25 20.5 | SK 0.1 1.5 133 98 97 39 14 9.6 | FI 0.1 0.9 1157 626 1052 122 40 42.8 | SE 0.3 2.2 732 681 580 158 78 39.6 | UK 1.8 21.1 7786 7453 5950 1821 735 37.8 | NO 0.1 1.1 483 440 361 135 63 56.8 |
| Enterprises Persons employed Turnover Production Purch. of goods & serv. Value added Personnel costs Average personnel costs Gross operating surplus | LU 0.0 0.3 62 62 38 24 12 41.8 12 | HU 0.3 2.1 254 125 208 50 15 7.4 35 | MT : : : : : : : : : : : : : : : : : : : | NL 0.2 2.8 1375 1115 1130 251 121 42.4 130 | AT 0.2 1.2 453 428 338 124 42 37.0 82 | PL 1.2 10.5 922 682 776 157 66 7.4 91 | PT 0.4 2.4 519 304 427 98 35 15.6 62 | RO 1.3 13.5 1511 687 1422 130 47 3.6 83 | SI 0.1 1.3 233 196 187 50 25 20.5 24 | SK 0.1 1.5 133 98 97 39 14 9.6 24 | FI 0.1 0.9 1157 626 1052 122 40 42.8 82 | SE 0.3 2.2 732 681 580 158 78 39.6 77 | UK 1.8 21.1 7786 7453 5950 1821 735 37.8 1086 | NO 0.1 1.1 483 440 361 135 63 56.8 73 |
| Enterprises Persons employed Turnover Production Purch. of goods & serv. Value added Personnel costs Average personnel costs Gross operating surplus Gross investment | LU 0.0 0.3 62 62 62 38 24 12 41.8 12 2 | HU 0.3 2.1 254 125 208 50 15 7.4 35 12 | MT : : : : : : : : : : : : : : : : : : : | NL 0.2 2.8 1375 1115 1130 251 121 42.4 130 103 | AT 0.2 1.2 453 428 338 124 42 37.0 82 33 | PL 1.2 10.5 922 682 776 157 66 7.4 91 58 | PT 0.4 2.4 519 304 427 98 35 15.6 62 33 | RO 1.3 13.5 1511 687 1422 130 47 3.6 83 98 | SI 0.1 1.3 233 196 187 50 25 20.5 20.5 24 16 | SK 0.1 1.5 133 98 97 39 14 9.6 24 5 | FI 0.1 0.9 1157 626 1052 122 40 42.8 82 25 | SE 0.3 2.2 732 681 580 158 78 39.6 77 32 | UK 1.8 21.1 7 786 7 453 5 950 1 821 735 37.8 1 086 422 | NO 0.1 1.1 483 440 361 135 63 56.8 73 50 |
| Enterprises Persons employed Turnover Production Purch. of goods & serv. Value added Personnel costs Average personnel costs Gross operating surplus Gross investment Apparent labour prod. | LU 0.0 0.3 62 62 62 38 24 12 41.8 12 2 2 79.7 | HU 0.3 2.1 254 125 208 50 15 7.4 35 12 23.2 | MT : : : : : : : : : : : : : : : : : : : | NL 0.2 2.8 1375 1115 1130 251 121 42.4 130 103 88.2 | AT 0.2 1.2 453 428 338 124 42 37.0 82 33 100.5 | PL 1.2 10.5 922 682 776 157 66 7.4 91 58 15.0 | PT 0.4 2.4 519 304 427 98 35 15.6 62 33 41.0 | RO 1.3 13.5 1511 687 1422 130 47 3.6 83 98 9.6 | SI 0.1 1.3 233 196 187 50 25 20.5 24 16 39.4 | SK 0.1 1.5 133 98 97 39 14 9.6 24 5 25.5 | FI 0.1 0.9 1157 626 1052 122 40 42.8 82 25 130.0 | SE 0.3 2.2 732 681 580 158 78 39.6 77 32 71.6 | UK 1.8 21.1 7786 7453 5950 1821 735 37.8 1086 422 86.4 | NO 0.1 1.1 483 440 361 135 63 56.8 73 50 120.6 |
| Enterprises Persons employed Turnover Production Purch. of goods & serv. Value added Personnel costs Average personnel costs Gross operating surplus Gross investment Apparent labour prod. Wage adj. labour prod. | LU 0.0 0.3 62 62 62 38 24 12 41.8 12 2 79.7 190.8 | HU 0.3 2.1 254 125 208 50 15 7.4 35 12 23.2 314.5 | MT : : : : : : : : : : : : : : : : : : : | NL 0.2 2.8 1375 1115 130 251 121 42.4 130 103 88.2 207.8 | AT 0.2 1.2 453 428 338 124 42 37.0 82 33 100.5 271.7 | PL 1.2 10.5 922 682 776 157 66 7.4 91 58 15.0 204.1 | PT 0.4 2.4 519 304 427 98 35 15.6 62 33 41.0 262.4 | RO 1.3 13.5 1511 687 1422 130 47 3.6 83 98 9.6 267.5 | SI 0.1 1.3 233 196 187 50 25 20.5 20.5 24 16 39.4 192.3 | SK 0.1 1.5 133 98 97 39 7 39 14 9.6 24 5 25.5 25.5 264.9 | FI 0.1 0.9 1157 626 1052 122 40 42.8 82 25 130.0 303.8 | SE 0.3 2.2 732 681 580 158 78 39.6 77 32 71.6 180.8 | UK 1.8 21.1 7 786 7 453 5 950 1 821 735 37.8 1 086 422 86.4 228.4 | NO 0.1 1.1 483 440 361 135 63 56.8 73 50 120.6 212.5 |
| Enterprises Persons employed Turnover Production Purch. of goods & serv. Value added Personnel costs Average personnel costs Gross operating surplus Gross investment Apparent labour prod. Wage adj. labour prod. Gross operating rate | LU 0.0 0.3 62 62 38 24 12 41.8 12 2 79.7 190.8 18.9 | HU 0.3 2.1 254 125 208 50 15 7.4 35 12 23.2 314.5 13.7 | MT : : : : : : : : : : : : : : : : : : : | NL 0.2 2.8 1375 1115 130 251 121 42.4 130 103 88.2 207.8 9.4 | AT 0.2 1.2 453 428 338 124 42 37.0 82 33 100.5 271.7 18.0 | PL 1.2 10.5 922 682 776 157 66 7.4 91 58 15.0 204.1 9.8 | PT 0.4 2.4 519 304 427 98 35 15.6 62 33 41.0 262.4 12.0 | RO 1.3 13.5 1511 687 1422 130 47 3.6 83 98 9.6 267.5 5.5 | SI 0.1 1.3 233 196 187 50 25 20.5 20.5 20.5 20.5 24 16 39.4 192.3 10.4 | SK 0.1 1.5 133 98 97 39 14 9.6 24 5 25.5 264.9 18.3 | FI 0.1 0.9 1157 626 1052 122 40 42.8 82 25 130.0 303.8 7.1 | SE 0.3 2.2 732 681 580 158 78 39.6 77 32 71.6 180.8 10.6 | UK 1.8 21.1 7 786 7 453 5 950 1 821 735 37.8 1 086 422 86.4 228.4 14.0 | NO 0.1 1.1 483 440 361 135 63 56.8 73 50 120.6 212.5 15.1 |

(1) Ireland, Netherlands and Poland, 2005; unless otherwise stated, values refer to EUR million; number of enterprises and number of persons employed are given in thousands; average personnel costs and apparent labour productivity are given in EUR thousand per person; wage adjusted labour productivity, gross operating rate and investment are ratios expressed as percentages.