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**Material flow indicators, 2017**

Material flows include material flows between a national economy and the natural environment, and these consist of the extraction of raw materials and other primary materials from and the discharge into the natural environment, as well as material flows between a national economy and the rest of the world (imports and exports).

In 2017, domestic extraction amounted to 107 949 thousand tonnes; compared to the previous year it decreased by 7.2%. Observed by categories, the largest share in domestic extraction was noted for the categories of fossil energy materials (40 730 thousand tons) and biomass (29 245 thousand tons).

In 2017, the total imports amounted to 18 083 thousand tonnes, which is by 10% higher when related to 2016. Categories with the largest share in imports were fossil energy materials (39.4%) and metal ores (23.6%).

In 2017, the total exports noted the value of 13 477 thousand tonnes, which is by 1.8% more than in 2016. Biomass had the largest share in the total exports (47.4%), followed by metal ores (18.3%).

In 2017, domestic material consumption amounted to 112 555 thousand tons, which is by 5.8% less if compared to 2016. The greatest consumption related to the category of fossil energy materials (46 272 thousand tons) and biomass (25 741 thousand tons). In 2017, domestic material consumption per capita amounted to 16 ton, i.e. it decreased by 0.9 ton when compared to the previous year.

Resource productivity is the ratio between Gross domestic product (GDP) and domestic material consumption and in 2017, it amounted to 41 RSD per kilogram, which is by 10% more than in 2016, meaning that decrease of material consumption was lower than GDP increase, when related to the previous year.

**Graph 1. Domestic material consumption, by categories**



**1. Material flow indicators**

Republic of Serbia thous. tonnes

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Domestic extraction  | Imports | Exports | Domestic material consumption | Physical trade balance |
| 1 | 2 | 3 | 4=1+2-3 | 5=2-3 |
|  |  |  |  |  |  |  |
| **Total** | **2016** | **116339** | **16442** | **13241** | **119540** | **3201** |
| **2017** | **107949** | **18083** | **13477** | **112555** | **4606** |
|  |  |  |  |  |  |  |
| Biomass | 2016 | 39839 | 2609 | 7165 | 35283 | -4556 |
| 2017 | 29245 | 2880 | 6384 | 25741 | -3504 |
|  |  |  |  |  |  |  |
| Metal ores | 20162017 | 18179 | 3821 | 2002 | 19997 | 1818 |
| 18316 | 4273 | 2467 | 20122 | 1806 |
|  |  |  |  |  |  |  |
| Non-metallic minerals | 2016 | 18498 | 2571 | 1774 | 19295 | 796 |
| 2017 | 19658 | 2784 | 1968 | 20474 | 816 |
|  |  |  |  |  |  |  |
| Fossil energy materials | 2016 | 39823 | 6489 | 1398 | 44913 | 5090 |
| 2017 | 40730 | 7130 | 1589 | 46272 | 5542 |
|  |  |  |  |  |  |  |
| Other | 2016 | - | 953 | 901 | 52 | 52 |
| 2017 | - | 1,015 | 1,069 | -54 | -54 |

**2. Resource efficiency indicators**

Republic of Serbia

|  |  |  |
| --- | --- | --- |
|  | 2016 | 2017 |
|  |  |  |
| Domestic material consumption per capita (tonnes) |  |  |
|  | 16.9 | 16.0 |
| Resource productivity (RSD per kg) |  |  |
|  | 37.3 | 41.0 |

The basic principles and methods for creating accounts of material flows for the level of total economy, as well as the results for the Republic of Serbia were presented in the publication [“Material flow indicators of the Republic of Serbia, 2001–2011“](http://publikacije.stat.gov.rs/G2013/Pdf/G20136004.pdf) and can be found at SORS website.

Time series of material flow indicators are available at SORS website, in the database via [link](http://data.stat.gov.rs/Home/Result/09020302?languageCode=en-US).

Starting from 1999 the Statistical Office of the Republic of Serbia has not at disposal and may not provide available data relative to AP Kosovo and Metohija and therefore these data are not included in the coverage for the Republic of Serbia (total).

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