

# COMMUNICATION

Number 131 • Year LX, 14/05/2010

## ZS30

**Environmental statistics**

SERB 131 ZS30 140510

### Drinking water supply

The Communication contains selected statistical data on drinking water supply from public water supply system. The tables present data on abstracted and distributed water, number of households connected to public water supply system and water losses percentages.

In 2009, quantity of abstracted water decreased by 1% relative to 2008 and quantity of distributed water by 2.4% compared to 2008. Compared to 2008, water distributed to households decreased by 2.6%, water distributed to industrial sector decreased by 7.6% and to other users increased by 6.5%.

Number of households to which water was distributed increased in 2009 by 1.8% relative to 2008.

Percentage share of water losses in distribution of total water abstraction increased by 1.4% in 2009 compared to 2008.

The data refer to the Republic of Serbia and its subteritories. Starting from 1999, the Statistical Office of the Republic of Serbia does not have available certain data for AP Kosovo and Metohia, which are therefore not included in the data for the Republic of Serbia (total).

#### Abstracted and distributed water quantities and water losses from public water supply system, 2009<sup>1)</sup>

	Total abstracted water, thous. m <sup>3</sup>	Distributed water quantities, thous.m <sup>3</sup>				Number of households to which water was distributed	Percentage share of water losses in total water abstraction
		Total	To households	To industrial sector	To other users <sup>3)</sup>		
<b>Republic of Serbia</b>	<b>667 552</b>	<b>464 660</b>	<b>339 005</b>	<b>68 593</b>	<b>57 062</b>	<b>2 033 045</b>	<b>33,03</b>
Central Serbia	516 760	349 219	253 468	57 480	38 271	1 389 528	35,82
AP Vojvodina	150 792	115 441	85 537	11 113	18 791	643 517	23,44
AP Kosovo and Metohia	...	...	...	...	...	...	...

<sup>1)</sup> Preliminary data

<sup>2)</sup> Distributed water quantities include water for own consumption.

<sup>3)</sup> Other users include water from enterprises from the following divisions: agriculture, forestry, fishing, hospitals, schools, hotels, restaurants and other public utilities, other public water supply systems, as well as water for own consumption.

## Drinking water supply, 2007-2009

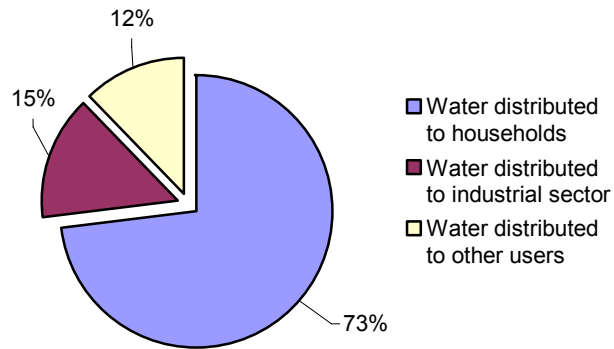
	2007	2008	2009
	<b>REPUBLIC OF SERBIA</b>		
<b>Water abstracted, thous. m<sup>3</sup>:</b>	<b>691 839</b>	<b>674 301</b>	<b>667 552</b>
Underground and spring waters	499 848	485 612	484 390
Surface waters	191 991	188 689	183 162
<b>Distributed water <sup>1)</sup>, thous. m<sup>3</sup></b>	<b>507 103</b>	<b>475 874</b>	<b>464 660</b>
Households	355 113	348 051	339 005
Other users <sup>2)</sup>	...	74 229	68 593
Other public water supply	151 990 <sup>3)</sup>	53 594	57 062
<b>Water taken from other system</b>	<b>16 657</b>	<b>18 957</b>	<b>17 586</b>
<b>Water losses</b>	<b>201 393</b>	<b>217 384</b>	<b>220 478</b>
<b>Water supply network</b>			
Length of public water supply network, km	32 609	33 282	33 228
Water mains	4 391	3 834	4 735
Distribution network	28 218	29 448	28 493
Number of connecting pipes	1 820 334	1 996 350	2 033 045
	<b>Central Serbia</b>		
<b>Water abstracted, (thous. m<sup>3</sup>) from:</b>	<b>533 258</b>	<b>517 185</b>	<b>516 760</b>
Underground and spring waters	341 352	334 243	333 993
Surface waters	191 906	182 942	182 767
<b>Distributed water <sup>1)</sup>, thous. m<sup>3</sup></b>	<b>384 625</b>	<b>356 732</b>	<b>349 219</b>
Households	268 986	255 666	253 468
Other users <sup>2)</sup>	...	62 945	57 480
Other public water supply	115 639 <sup>3)</sup>	38 121	38 271
<b>Water taken from other system</b>	<b>16 657</b>	<b>18 957</b>	<b>17 586</b>
<b>Water losses</b>	<b>165 290</b>	<b>179 410</b>	<b>185 127</b>
<b>Water supply network</b>			
Length of public water supply network, km	21 706	21 460	21 418
Water mains	2 619	2 581	2 573
Distribution network	19 087	18 879	18 845
Number of connecting pipes	1 241 376	1 341 187	1 389 528
	<b>AP Vojvodina</b>		
<b>Water abstracted, (thous. m<sup>3</sup>) from:</b>	<b>158 581</b>	<b>157 116</b>	<b>150 792</b>
Underground and spring waters	158 496	151 369	150 397
Surface waters	85	5 747	395
<b>Distributed water <sup>1)</sup>, thous. m<sup>3</sup></b>	<b>122 478</b>	<b>119 142</b>	<b>115 441</b>
Households	86 127	92 385	85 537
Other users <sup>2)</sup>	...	11 284	11 113
Other public water supply	36 351 <sup>3)</sup>	15 473	18 791
<b>Water taken from other system</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Water losses</b>	<b>36 103</b>	<b>37 974</b>	<b>35 351</b>
<b>Water supply network</b>			
Length of public water supply network, km	10 903	11 822	11 810
Water mains	1 772	1 253	2 162
Distribution network	9 131	10 569	9 648
Number of connecting pipes	578 958	655 163	643 517
	<b>AP Kosovo and Metohia</b>		
<b>Drinking water supply</b>	...	...	...
<b>Water supply network</b>	...	...	...

<sup>1)</sup> Distributed water quantities include water for own consumption.

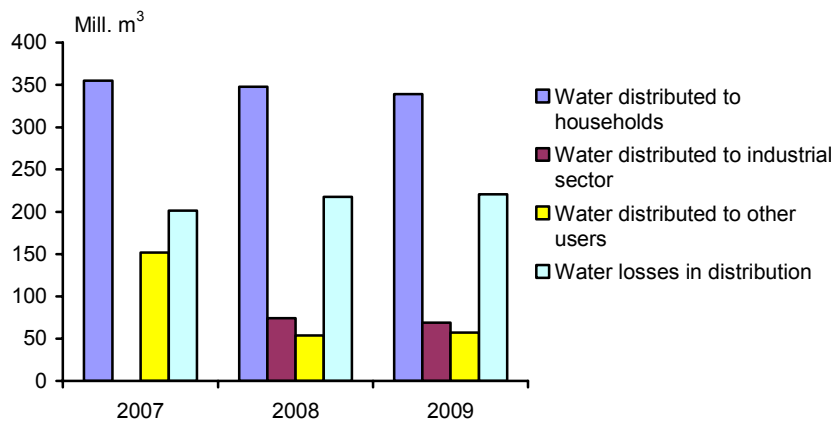
<sup>2)</sup> Other users include water from enterprises from the following divisions: agriculture, forestry, fishing, hospitals, schools, hotels, restaurants and other public utilities, other public water supply systems, as well as water for own consumption.

<sup>3)</sup> Distributed water quantities in 2007 include water from industrial sector.

### Distributed water, 2009



### Distributed water and losses, 2007-2009



## Methodological explanations

Data on water usage in settlements are collected from the reporting units that distribute water and/or manage water usage systems. Activity of the reporting units is defined in division 41 of the Classification of Activities- abstraction, treatment and distribution.

Data on public water supply system have been collected since 1953. The survey was conducted annually (1953-1965; 1974-1991), three-annually (1966-1974; 1992-2000) and from 2005, due to users' requests and significance of indicators based on these data, the survey has been conducted annually.

Regarding the geographical aspect, the survey encompasses enterprises that perform their activities on the whole territory of the Republic of Serbia.

Data are collected by the reporting method, meaning that the reporting unit completes the questionnaire based on its available documentation and records. In case the respective documentation and records are not available, experts provide estimations based on water supply system functioning, equipment and technical characteristics of the network and supporting facilities. The completed questionnaire is delivered by the reporting unit to the competent statistical authority on the territory of the enterprise's head office.

**Public water supply system** is taken to be the set of connected hydro-technical components and plants that have joint management and control and that are used for water abstraction, collection, treatment and distribution to users.

**Water abstraction (source)** is the place of public, either underground or surface waters, from which public water systems are supplied (underground, spring, watercourse, accumulation and lakes).

**Distributed waters** are all directly abstracted and provided water quantities distributed to users by water supply system during the reporting year. Quantities of distributed water are determined by water meter and if such devices are unavailable quantities are calculated according to regulations related to the particular activity group.

Published and printed by: Statistical Office of the Republic of Serbia, Milana Rakica 5, Belgrade  
Phone: +381 11 2412922 • Fax: +381 11 2411260 • [www.stat.gov.rs](http://www.stat.gov.rs)  
Responsible: Dragan Vukmirovic, PhD, Director  
Circulation: 20 • Issued annually