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TRANSPORT, THIRD QUARTER OF 2023¹⁾

The total number of passengers carried in the third quarter of 2023 amounted to 24.0 million, which was an increase of 5.2% compared to the third quarter of 2022. An increase in the transport of passengers was noticeable in the road line transport by coaches, of 1.1%, it was also generated by Croatian air carriers, of 6.9%, and by Croatian shippers in seawater and coastal transport, of 2.4%. According to provisional data, 18.3% more passengers were transported in the railway transport.

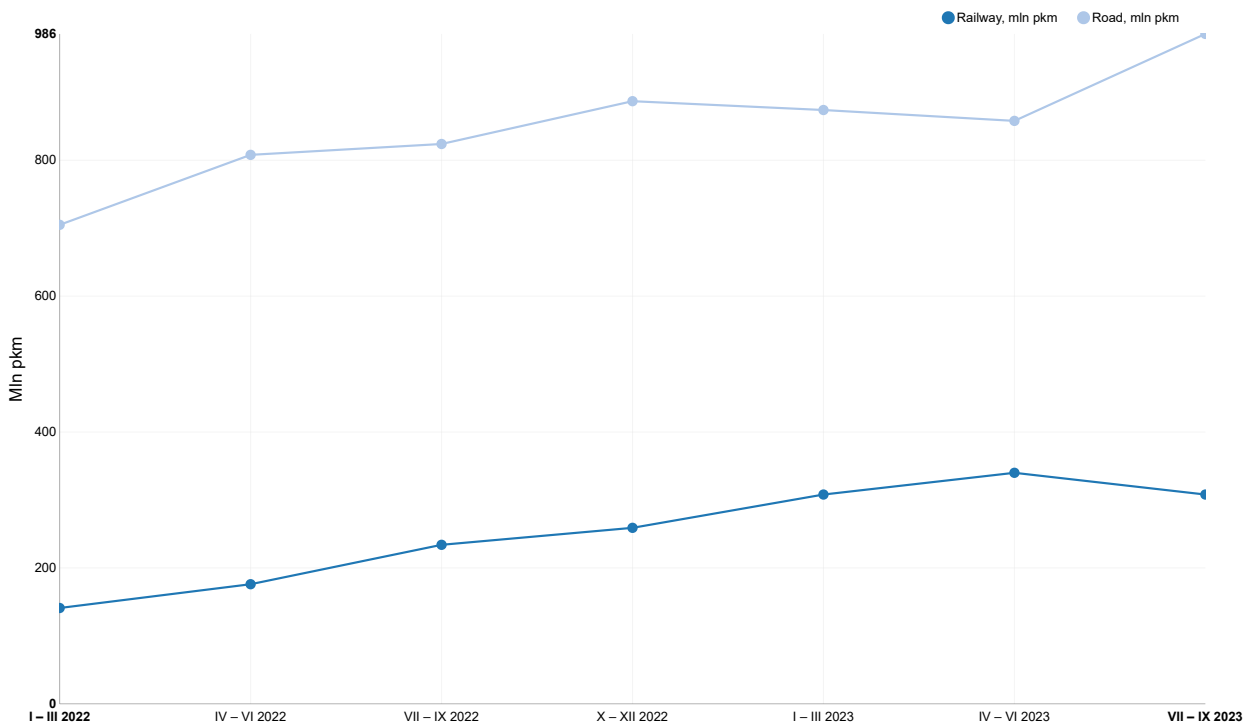
In the period from January to September 2023, a total number of passengers transported amounted to 64.9 million, which was 1.5% more than in the same period of 2022. The data for the railway transport of passengers also indicate an increase, of 31.1%, in air transport, of 19.1%, and in seawater and coastal transport, of 4.8%. A decrease was achieved in road line transport by coaches, of 11.6%.

A total of 34.3 million tonnes of goods were transported in the third quarter of 2023, which was an increase of 12.3% compared to the third quarter of 2022. An increase was recorded in the transport of goods in seawater and coastal transport generated by Croatian shippers, of 23.4%, and in transport by freight vehicles with Croatian plates, of 16.8%. A decrease in the transport of goods was generated by Croatian air carriers, of 8.5%, in inland waterway transport by ships under all flags, of 26.3%, and in railway transport, of 10.0%. Pipeline transport remained at the same level.

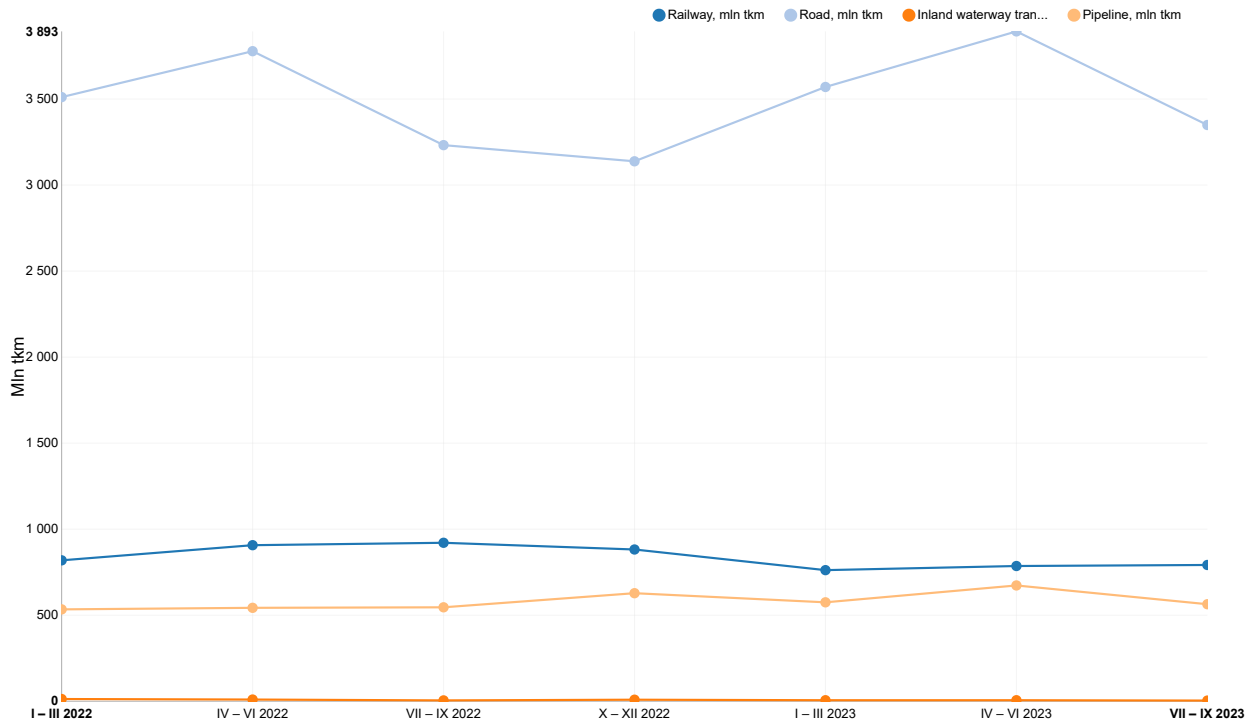
In the period from January to September 2023, a total of 96.7 million tonnes of goods were transported, which was 0.3% less than in the same period of 2022. A decrease was recorded in seawater and coastal transport, of 11.5%, in railway transport, of 9.7%, and in inland waterway transport, of 40.2%. An increase was achieved in air transport, of 6.0%, in pipeline transport, of 8.2%, and in road transport, of 2.9%.

1) See Notes on Methodology.

G-1 PASSENGER-KILOMETRES PERFORMED IN INLAND TRANSPORT, 2022 AND 2023



G-2 TONNE-KILOMETRES PERFORMED IN INLAND TRANSPORT, 2022 AND 2023



1 TRANSPORT OF PASSENGERS AND GOODS, BY TRANSPORT MODES

	Unit of measure	2022		2023		Indices		
		VII - IX	I - IX	VII - IX	I - IX	$\frac{\text{VII - IX 2023}}{\text{IV - VI 2023}}$	$\frac{\text{VII - IX 2023}}{\text{VII - IX 2022}}$	$\frac{\text{I - IX 2023}}{\text{I - IX 2022}}$
Passengers carried ¹⁾	'000	22 858	63 938	24 048	64 884	105,6	105,2	101,5
Railway transport ¹⁾	'000	4 619	13 472	5 464	17 666	88,3	118,3	131,1
Road line transport	'000	9 802	36 260	9 905	32 069	82,0	101,1	88,4
Seawater and coastal transport	'000	7 479	12 347	7 655	12 936	202,8	102,4	104,8
Air transport	'000	958	1 859	1 024	2 214	137,2	106,9	119,1
Passenger-kilometres ¹⁾	Mln	2 633	5 753	2 978	7 032	129,5	113,1	122,2
Railway transport ¹⁾	Mln	234	556	308	957	90,6	131,8	172,2
Road line transport	Mln	824	2 338	986	2 718	114,8	119,6	116,3
Seawater and coastal transport	Mln	361	600	366	624	198,7	101,6	104,1
Air transport	Mln	1 214	2 260	1 317	2 733	143,7	108,5	120,9
Goods carried	'000 t	30 507	97 009	34 273	96 687	102,4	112,3	99,7
Railway transport	'000 t	4 172	12 350	3 756	11 146	97,7	90,0	90,3
Road line transport	'000 t	20 058	65 003	23 431	66 902	101,3	116,8	102,9
Seawater and coastal transport	'000 t	3 576	12 215	4 414	10 807	124,4	123,4	88,5
Inland waterway transport ²⁾	'000 t	118	457	87	273	81,4	73,7	59,8
Air transport	'000 t	0	1	0	1	89,6	91,5	106,0
Transport via pipelines	'000 t	2 583	6 982	2 585	7 557	91,1	100,0	108,2
Tonne-kilometres	Mln	26 069	81 643	24 939	78 404	91,1	95,7	96,0
Railway transport	Mln	921	2 647	792	2 340	100,8	86,0	88,4
Road line transport	Mln	3 232	10 521	3 349	10 811	86,0	103,6	102,8
Seawater and coastal transport	Mln	21 365	66 824	20 229	63 424	91,9	94,7	94,9
Inland waterway transport ²⁾	Mln	5	28	4	16	63,7	78,1	55,9
Air transport	Mln	0	1	0	1	85,3	86,4	101,8
Transport via pipelines	Mln	546	1 622	564	1 812	83,8	103,3	111,7

1) Provisional data for 2023.

2) Transit is not included.

2 RAILWAY TRANSPORT

	Unit of measure	2022		2023		Indices		
		VII - IX	I - IX	VII - IX	I - IX	$\frac{\text{VII - IX 2023}}{\text{IV - VI 2023}}$	$\frac{\text{VII - IX 2023}}{\text{VII - IX 2022}}$	$\frac{\text{I - IX 2023}}{\text{I - IX 2022}}$
Passengers carried ¹⁾	'000	4 619	13 472	5 464	17 666	88,3	118,3	131,1
National transport ¹⁾	'000	4 430	13 170	5 326	17 383	87,4	120,2	132,0
International transport ¹⁾	'000	189	303	138	283	147,9	73,2	93,5
Passenger-kilometres ¹⁾	Mln	234	556	308	957	90,6	131,8	172,2
National transport ¹⁾	Mln	182	492	283	922	85,3	155,7	187,2
International transport ¹⁾	Mln	52	63	26	35	295,6	48,8	56,0
Goods carried	'000 t	4 172	12 350	3 756	11 146	97,7	90,0	90,3
National transport	'000 t	817	2 551	709	2 015	103,1	86,8	79,0
International transport - loading	'000 t	1 559	4 448	1 448	4 187	102,5	92,9	94,1
International transport - unloading	'000 t	510	1 459	351	1 080	99,1	69,0	74,1
Transit	'000 t	1 286	3 894	1 247	3 864	89,9	96,9	99,2
Tonne-kilometres	Mln	921	2 647	792	2 340	100,8	86,0	88,4
National transport	Mln	169	519	175	453	124,9	103,7	87,2
International transport - loading	Mln	306	806	272	796	101,8	89,0	98,8
International transport - unloading	Mln	173	504	108	360	90,3	62,6	71,5
Transit	Mln	273	818	236	732	91,5	86,5	89,4
Out of total goods transport - transport of dangerous goods	'000 t	367	1 034	357	904	137,7	97,2	87,4

1) Provisional data for 2023

3 ROAD LINE TRANSPORT OF PASSENGERS BY COACHES

	Unit of measure	2022		2023		Indices		
		VII - IX	I - IX	VII - IX	I - IX	$\frac{\text{VII - IX 2023}}{\text{IV - VI 2023}}$	$\frac{\text{VII - IX 2023}}{\text{VII - IX 2022}}$	$\frac{\text{I - IX 2023}}{\text{I - IX 2022}}$
Passengers carried	'000	9 802	36 260	9 905	32 069	82,0	101,1	88,4
National transport	'000	8 884	33 597	8 812	29 541	78,3	99,2	87,9
International transport	'000	918	2 663	1 093	2 528	133,8	119,1	94,9
Passenger-kilometres	Mln	824	2 338	986	2 718	114,8	119,6	116,3
National transport	Mln	641	1 960	724	2 094	105,3	112,9	106,8
International transport	Mln	183	378	262	624	153,2	143,1	165,3

4 URBAN TRANSPORT BY BUSES AND TRAMS

	Unit of measure	2022		2023		Indices		
		VII - IX	I - IX	VII - IX	I - IX	$\frac{\text{VII - IX 2023}}{\text{IV - VI 2023}}$	$\frac{\text{VII - IX 2023}}{\text{VII - IX 2022}}$	$\frac{\text{I - IX 2023}}{\text{I - IX 2022}}$
Buses	Number	1 337	1 337	1 333	1 333	99,2	99,7	99,7
Kilometres travelled by buses	'000	16 324	49 163	18 777	52 552	111,9	115,0	106,9
Passengers carried	'000	29 231	96 467	30 441	91 519	96,1	104,1	94,9
Trams ¹⁾	Number	335	335	325	325	96,7	97,0	97,0
Kilometres travelled by trams	'000	2 888	9 505	2 520	8 735	83,4	87,3	91,9
Passengers carried	'000	26 375	87 766	24 079	81 511	84,4	91,3	92,9

1) Including motorised cars and trailers.

5 ROAD TRANSPORT OF GOODS

	Unit of measure	2022		2023		Indices		
		VII - IX	I - IX	VII - IX	I - IX	$\frac{\text{VII - IX 2023}}{\text{IV - VI 2023}}$	$\frac{\text{VII - IX 2023}}{\text{VII - IX 2022}}$	$\frac{\text{I - IX 2023}}{\text{I - IX 2022}}$
Goods carried – total	'000 t	20 058	65 003	23 431	66 902	101,3	116,8	102,9
National transport	'000 t	16 316	52 739	19 728	54 888	104,5	120,9	104,1
Dispatched to foreign countries	'000 t	1 338	4 400	1 418	4 217	102,2	106,0	95,8
Received from foreign countries	'000 t	1 272	3 889	1 201	4 208	78,5	94,4	108,2
Cross-trade transport	'000 t	1 132	3 975	1 083	3 589	81,7	95,7	90,3
Tonne-kilometres	Mln	3 232	10 521	3 349	10 811	86,0	103,6	102,8
National transport	Mln	1 234	3 668	1 343	3 987	94,4	108,9	108,7
Dispatched to foreign countries	Mln	653	2 297	698	2 178	98,0	106,9	94,8
Received from foreign countries	Mln	597	2 077	633	2 284	79,1	106,1	110,0
Cross-trade transport	Mln	748	2 478	674	2 362	70,4	90,1	95,3
Road transport of goods for hire or reward								
Goods carried	'000 t	10 753	34 619	12 965	36 502	101,3	120,6	105,4
Tonne-kilometres	Mln	2 672	8 808	2 794	9 199	83,3	104,6	104,4
Road transport of goods for own account								
Goods carried	'000 t	9 304	30 379	10 466	30 400	101,3	112,5	100,1
Tonne-kilometres	Mln	560	1 709	554	1 612	103,1	98,9	94,3
Out of total goods transport – transport of dangerous goods	'000 t	(1 158)	2 864	(1 026)	3 009	101,1	88,6	105,1

6 TRANSPORT VIA PIPELINES

	Unit of measure	2022		2023		Indices		
		VII - IX	I - IX	VII - IX	I - IX	$\frac{\text{VII - IX 2023}}{\text{IV - VI 2023}}$	$\frac{\text{VII - IX 2023}}{\text{VII - IX 2022}}$	$\frac{\text{I - IX 2023}}{\text{I - IX 2022}}$
Oil transport	'000 t	1 644	4 434	1 706	5 027	86,5	103,8	113,4
Tonne-kilometres	Mln	391	1 166	412	1 350	78,5	105,2	115,8
Gas transport	'000 t	939	2 548	878	2 531	101,5	93,5	99,3
Tonne-kilometres	Mln	154	456	152	462	102,5	98,6	101,2

7 SEAWATER AND COASTAL TRANSPORT

	Unit of measure	2022		2023		Indices		
		VII - IX	I - IX	VII - IX	I - IX	$\frac{\text{VII - IX 2023}}{\text{IV - VI 2023}}$	$\frac{\text{VII - IX 2023}}{\text{VII - IX 2022}}$	$\frac{\text{I - IX 2023}}{\text{I - IX 2022}}$
Passengers carried	'000	7 479	12 347	7 655	12 936	202,8	102,4	104,8
National transport	'000	7 385	12 231	7 592	12 844	202,3	102,8	105,0
International transport	'000	93	116	64	92	295,1	68,2	79,3
Out of total, carried by ferries	'000	5 745	9 656	5 896	10 098	196,6	102,6	104,6
Passenger-kilometres	Mln	361	600	366	624	198,7	101,6	104,1
National transport	Mln	341	576	353	605	196,4	103,5	105,1
International transport	Mln	19	24	13	19	294,6	68,2	80,0
Goods carried	'000 t	3 576	12 215	4 414	10 807	124,4	123,4	88,5
National transport	'000 t	200	489	184	457	101,9	92,2	93,6
International transport	'000 t	3 376	11 727	4 230	10 349	125,6	125,3	88,3
Tonne-kilometres	Mln	21 365	66 824	20 229	63 424	91,9	94,7	94,9
National transport	Mln	53	131	44	110	96,5	82,7	83,9
International transport	Mln	21 311	66 694	20 185	63 314	91,8	94,7	94,9

8 AIR TRANSPORT

	Unit of measure	2022		2023		Indices		
		VII – IX	I – IX	VII – IX	I – IX	VII – IX 2023 IV – VI 2023	VII – IX 2023 VII – IX 2022	I – IX 2023 I – IX 2022
Passengers carried	'000	958	1 859	1 024	2 214	137,2	106,9	119,1
National transport	'000	118	268	131	327	114,0	111,0	122,1
International transport	'000	840	1 591	893	1 887	141,4	106,3	118,6
Passenger-kilometres	Mln	1 214	2 260	1 317	2 733	143,7	108,5	120,9
National transport	Mln	37	84	41	103	111,0	110,3	122,6
International transport	Mln	1 177	2 176	1 277	2 630	145,1	108,5	120,9
Freight carried	t	378	1 062	346	1 126	89,6	91,5	106,0
National transport	t	47	88	26	69	78,8	55,3	78,4
International transport	t	331	974	320	1 058	90,7	96,7	108,6
Tonne-kilometres	'000	302	880	261	896	85,3	86,4	101,8
National transport	'000	14	26	8	20	80,0	57,1	76,9
International transport	'000	288	854	253	876	85,5	87,8	102,6

NOTES ON METHODOLOGY

It may happen that the sum total does not equal the sum of individual figures and that cumulative data do not always equal the sum of individual quarterly results due to the rounding of numbers.

The final quarterly data on the railway transport of passengers for 2023 will be published in May 2024 in Excel format on the website of the [Croatian Bureau of Statistics](#) under [Statistics in Line "Transport"](#).

Data on traffic of ships, passengers and goods in seaports were published in the First Release TRAN-2023-3-1 "Traffic in Seaports", and data on traffic of passengers and freight in airports in the First Release TRAN-2023-2-1 "Traffic in Airports".

Sources and methods of data collection

The data on transport are collected through weekly, monthly and quarterly statistical surveys. The purpose of the surveys is to collect the data on the transport of passengers and goods and to calculate the performance indicators on transport expressed in tonne-kilometres and passenger-kilometres.

Observation and reporting units on road line passenger transport, urban transport, pipeline transport, seawater and coastal transport, and air transport are national carriers, that is, operators registered in the transport activity (section H of the NKD 2007) in the Statistical Business Register of the Croatian Bureau of Statistics.

Observation units in the statistical survey on the road transport of goods are freight road vehicles (including road tractors) with a loading capacity of over 3 500 kg that are registered with the Ministry of the Interior. Reporting units are business entities (legal entities and natural persons) who own or just use a freight road vehicle selected into the sample.

Since the third quarter of 2022, data on inland waterway transport have been collected via the Inland Navigation Information System (ISUP) of the Ministry of Sea, Traffic and Infrastructure. Until the third quarter of 2022, the data were collected by the Report on Arrival of Vessels in Inland Waterway Ports and the Report on Departure of Vessels from Inland Waterway Ports. The data were delivered by harbour master's offices of inland waterway ports.

Coverage

The data on the railway transport of passengers include the urban and suburban transport of passengers and passengers in transit through the Republic of Croatia. Data on railway transport of goods relate to the operation of all railway carriers in the railway network of the Republic of Croatia.

The data on the road transport refer to the operation of owners or users of freight vehicles selected by the sample. In the quarterly dynamics, 2 600 vehicles have been selected in the sample. The data, that is, estimates with the variation coefficient values ranging between 10.0 and 30.0 are separately marked as less accurate values.

The data on the road line transport of passengers are related to the activity of business entities (legal entities and natural persons) engaged in the transport of passengers by coaches and holding the concession for performing the public line transport of passengers on international, inter-county and county lines.

The urban transport of passengers covers the organised public transport of passengers in cities with a population of over 40 000 conducted by business entities engaged in the urban transport of passengers (by trams and buses). Included are the active business entities employing more than ten persons registered in section H, class 49.31 Urban and suburban passenger land transport, of the NKD 2007 in the Statistical Business Register of the Croatian Bureau of Statistics.

The survey on the seawater and coastal transport covers all business entities engaged in the public seawater and coastal line transport of passengers and business entities whose principal or subsidiary activity is seawater and coastal transport of goods. The selection of reporting units engaged in the activity of transporting goods is prepared every year on the basis of the defined threshold for being included in the survey (ten or more persons in employment). Cross-trade transport is included.

The data on air transport of passengers and freight are submitted by national air operators engaged in the commercial air transport of passengers and freight (goods and mail).

The transport via pipelines covers oil transport and gas transport. Data refer to activities of legal entities engaged in oil and gas transport via pipelines.

The data on the transport in inland waterways include the transport of goods on vessels under the domestic and foreign flags on the territory of the Republic of Croatia. Transit is not included.

Definitions

International transport includes conveying between the place of embarkation/loading in the Republic of Croatia and the place of disembarkation/unloading abroad, or vice versa, as well as between two places in another country.

Transit implies a transport through the Croatian territory in the same means of transport between two places (the place of embarkation/loading and the place of disembarkation/unloading), both located in another country or in other countries.

Cross-trade road transport implies international transport of goods performed by domestic operators with the place of loading and unloading being located in a foreign country.

Passenger-kilometre is a unit of measure representing the transport of one person over a distance of one kilometre. The calculation of passenger-kilometres for the rail transport takes into account only the distance travelled on the territory of the Republic of Croatia.

Tonne-kilometre is a unit of measure representing the transport of one tonne over a distance of one kilometre. The calculation of tonne-kilometres for the rail transport takes into account only the distance travelled on the territory of the Republic of Croatia including transit. The calculation of tonne-kilometres for the inland waterway transport takes into account only the distance travelled on the territory of the Republic of Croatia, but transit is not included.

The road transport of goods and road tonne-kilometres relate to the movement of freight vehicles registered in the Republic of Croatia.

Abbreviations

kg	kilogram
mln	million
NKD 2007	National Classification of Activities, 2007 version
pkm	passenger-kilometre
t	tonne
tkm	tonne-kilometre
'000	thousand

Symbols

()	less accurate data
0	value not zero, but less than 0.5 of the unit of measure used

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Phone: (+385 1) 48 06 111

Press corner: press@dzs.hr

Persons responsible:

Edita Omerzo, Director of Spatial Statistics Directorate

Lidija Brković, Director General

Prepared by:

Snježana Kos, Korana Šakić Pokrivač, Lidija Pilat, Ninoslava Podnar and Laura Čelić

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Information and user requests

Phone: (+385 1) 48 06 138, 48 06 154

E-mail: stat.info@dzs.hr

Subscription

Phone: (+385 1) 48 06 115

E-mail: prodaja@dzs.hr