

## DANUBE COMMISSION

# DANUBE NAVIGATION STATISTICS for 2012 – 2013

The following are statistics on key indicators of the Danube navigation in 2012-2013. The tables list abbreviations of the Member States of the Danube Commission:

UA	Ukraine
MD	Republic of Moldova
RO	Romania
BG	Republic of Bulgaria
RS	Republic of Serbia
HR	Republic of Croatia
HU	Hungary (Republic of Hungary)*
SK	Slovak Republic
AT	Republic of Austria
DE	Federal Republic of Germany
RU	Russian Federation

\*Before 1 January 2012

# 1. AVAILABLE DANUBE FLEET AND ITS COMPOSITION BY COUNTRIES AND BY MAIN TYPES OF VESSELS

in 2012–2013

(based on statistical data forms ST-1 – ST-3; DSO-1)

	Year	UA	MD (2008)	RO (2012)	BG (2012= 2010)	RS	HR	HU (2012)	SK	AT	DE	Total
<b><i>Motorized vessels</i></b> Number of units	2013	35	17	103	55	97	13	72	31	*	*	423
	2012	41	17	103	30	97	12	72	20	*	*	392
	%	85,4	100	100	183,3	100	108,3	100	155,0	*	*	107,9
Total power of motorized vessels (kW)	2013	56 182	3 000	53 539	31 915	37 929	7 940	*	11 946	*	*	202 451
	2012	66 920	3 000	53 539	18 651	37 929	7 355	*	11 709	*	*	199 103
	%	84,0	100	100	171,1	100	108,0		102,0	*	*	101,7
Total carrying capacity of motorized vessels (t)	2013	75 212	18 281	109 957	61 680	88 066	11 048	*	19 969	*	*	384 213
	2012	91 205	18 281	109 957	34 077	88 066	9 280	*	23 424	*	*	374 290
	%	82,5	100	100	181,0	100	119,1		85,3	*	*	102,7
<b><i>Tugs</i></b> Number of units	2013	5	10	64	13	94	30	49	2	*	*	267
	2012	9	10	64	13	94	31	49	2	*	*	272
	%	55,6	100	100	100	100	96,8	100	100	*	*	98,2
Total power of tugs (kW)	2013	3 640	8 977	22 059	4 668	24 768	8 748	*	915	*	*	73 775

	Year	UA	MD (2008)	RO (2012)	BG (2012= 2010)	RS	HR	HU (2012)	SK	AT	DE	Total
	2012	6 728	8 977	22 059	6 116	24 768	8 834	*	915	*	*	78 397
	%	54,1	100	100	76,3	100	99,0		100	*	*	94,1
<b><u>Pusher vessels</u></b>	2013	71	1	163	42	65	10	23	39	*	*	414
Number of units	2012	73	1	163	38	65	10	23	37	*	*	410
	%	97,3	100	100	110,5	100	100	100	105,4	*	*	101,0
Total power of pusher vessels (kW)	2013	109 445	1 500	172 781	43 425	55 388	5 294	*	37 666	*	*	425 499
	2012	112 483	1 500	172 781	36 723	55 388	5 205	*	36 916	*	*	420 996
	%	97,3	100	100	118,3	100	101,7	*	102,0	*	*	101,1
<b><u>Towed barges</u></b>	2013	36	26	391	29	228	69	11	11	*	*	801
Number of units	2012	78	26	391	44	228	72	11	11	*	*	861
	%	46,2	100	100	65,9	100	95,8	100	100	*	*	93,0
Total carrying capacity of towed barges (t)	2013	57 707	24 653	238 074	32 793	294 001	39 011	*	6 747	*	*	692 986
	2012	125 362	24 653	238 074	47 122	294 001	40 056	*	6 747	*	*	776 015
	%	46,0	100	100	69,6	100	97,4		100	*	*	89,3
<b><u>Pushed barges</u></b>	2013	305	*	740	132	180	50	274	130	*	*	1 811
Number of units	2012	335	*	740	122	180	50	274	135	*	*	1 836
	%	91,0	*	100	108,2	100	100	94,2	96,3	*	*	98,6
Total carrying capacity of pushed barges (t)	2013	445 913	*	1 231 674	218 574	169 101	47 507	*	211 749	*	*	2 324 518

		Year	UA	MD (2008)	RO (2012)	BG (2012= 2010)	RS	HR	HU (2012)	SK	AT	DE	Total
		2012	486 491	*	1 231 674	202 861	169 101	47 500	*	219 447	*	*	2 357 074
		%	91,7		100	107,7	100	100,0		96,5			98,6
<b>TOTAL</b>	Total number of vessels (unit)	2013	452	54	1461	271	664	172	429	213	*	*	3 716
		2012	536	54	1461	247	664	175	429	205	*	*	3 771
		%	84,3	100	100	109,7	100	98,3	100	103,9	*	*	98,5
	Total power of fleet (kW)	2013	169 267	13 477	248 379	80 008	118 085	21 982	*	50 527	*	*	701 725
		2012	186 131	13 477	248 379	61 490	118 085	21 394	*	49 540	*	*	698 496
		%	90,9	100	100	130,1	100	102,7		102,0	*	*	100,5
	Total carrying capacity of fleet (t)	2013	578 832	42 934	1 579 705	313 047	551 168	97 566	*	238 465	*	*	3 401 717
		2012	703 058	42 934	1 579 705	284 060	551 168	96 836	*	249 618	*	*	3 507 379
		%	82,3	100	100	110,2	100	100,8	*	95,5	*	*	97,0

\* not available or magnitude "0".

## 2. COMPOSITION OF THE DANUBE FLEET BY COUNTRIES in 2013

(DRY BULK CARGO AND LIQUID BULK CARGO VESSELS; TUGS AND PUSHER VESSELS)

### 1. Dry bulk cargo vessels

Country	Dry bulk cargo vessels						Total		
	Motorized			Barges			Number of vessels (unit)	Carrying capacity (t)	Power (kW)
	Number of vessels (unit)	Carrying capacity (t)	Power (kW)	Number of vessels (unit)	Carrying capacity (t)	Power (kW)			
UA	32	71 720	54 694	326	481 939		358	553 659	54 694
MD (2008)	8	15 917	..	26	24 653		34	40 570	0
RO (2012)	90	91 643	53 539	1 051	1 417 918		1 141	1 509 561	53 539
BG	43	51 312	26 702	153	241 618		196	292 930	26 702
RS	97	88 066	37 929	262	351 606		359	439 672	37 929
HR	7	4 849	3 070	98	63 395		105	68 244	3 070
HU (2012)	72	..	..	283	..		355	..	..
SK	28	17 385	10 772	118	182 831		146	200 216	10 772
AT	..	..	..	..	..		..	..	..
DE	..	..	..	..	..		..	..	..
<b>Total</b>	<b>377</b>	<b>340 892</b>	<b>186 706</b>	<b>2 317</b>	<b>2 763 960</b>		<b>2694</b>	<b>3 104 852</b>	<b>186 706</b>

## 2. Liquid bulk cargo vessels

Country	Liquid bulk cargo vessels						Total		
	Motorized			Barges			Number of vessels (unit)	Carrying capacity (t)	Power (kW)
	Number of vessels (unit)	Carrying capacity (t)	Power (kW)	Number of vessels (unit)	Carrying capacity (t)	Power (kW)			
UA	3	3 492	1 488	15	21 681		18	25 173	1 488
MD (2008)	5	4 199	..	0	0		5	4 199	0
RO (2012)	13	18 314	7 959	80	51 830		93	70 144	7 959
BG	11	9 559	5 213	7	9 269		18	18 828	5 213
RS	0	0	0	146	111 496		146	111 496	0
HR	6	6199	4 870	21	23 123		27	29 322	4 870
HU (2012)	0	..	..	2	..		2	0	0
SK	3	2 584	1 174	23	35 665		26	38 249	1 174
AT	..	..	..	..	..		..	..	..
DE	..	..	..	..	..		..	..	..
<b>Total</b>	<b>41</b>	<b>44 347</b>	<b>20 704</b>	<b>294</b>	<b>253 064</b>		<b>335</b>	<b>297 411</b>	<b>20 704</b>

### 3. Tugs and pusher vessels

Country	Tugs		Pusher vessels *		Total	
	Number of vessels (unit)	Power (kW)	Number of vessels (unit)	Power (kW)	Number of vessels (unit)	Power (kW)
UA	5	3 640	71	109 445	76	113 085
MD (2008)	10	8 977	1	1 500	11	10 477
RO (2012)	64	22 059	163	172 781	227	194 840
BG	13	4 668	42	43 425	55	48 093
RS	94	24 768	65	55 388	159	80 156
HR	30	8 748	10	5 294	40	14 042
HU (2012)	49	..	23	..	72	..
SK	2	915	39	37 666	41	38 581
AT	..	..	..	..	..	..
DE	..	..	..	..	..	..
<b>Total</b>	<b>267</b>	<b>73 775</b>	<b>414</b>	<b>425 499</b>	<b>681</b>	<b>499 274</b>

\*Including pusher tugs

**3. DATA ON DANUBE FLEET BY COUNTRIES AND BY YEARS OF CONSTRUCTION**  
(as of 31 December 2013)

		Year of construction											
Country	Fleet	Before 1941	1941-1960	1961-1970	1971-1980	1981-1990	1991-2000	2001-2010	After 2010	Unknown	TOTAL*	Overall power of motorized vessels	TOTAL
UA	Number of vessels	0	1	112	37	197	84	21	0	0	452		536
	Power	0	0	67 138	32 921	13 026	0	0	0	0	113 085	56 182	169 267
	Carrying capacity	0	1 190	106 857	38 727	223 854	164 454	43 752	0	0	578 834		703 058
MD (2008)	Number of vessels	0	5	27	6	14	2	0	0	0	54		54
	Power	0	1 170	4 037	440	3 336	1 488				10 471	3 000	1 3471
	Carrying capacity	0	3 203	20 776	4 131	14 824	0	0	0	0	42 934		42 934
RO (2012)	Number of vessels	29	108	188	350	660	121	5	..	0	1 461		1 461
	Power		8 174	14 775	30 794	103 635	35 092	2 370	..	0	194 840	53 539	248 379
	Carrying capacity	29 621	53 118	101 879	370 441	820 285	204 210	151	..	0	1 579 705		1 579 705
BG	Number of vessels	18	20	59	52	88	24	9	0	0	270		270
	Power	0	1 251	12 281	13 692	13 358	7 511	0	0	0	48 093	31 915	80 008
	Carrying capacity	22 489	16 379	39 105	66 883	124 283	28 910	14 290	0	0	312 339		312 339

		Before 1941	1941-1960	1961-1970	1971-1980	1981-1990	1991-2000	2001-2010	After 2010	Unknown	TOTAL*	Overall power of motorized vessels	TOTAL
RS	Number of vessels	24	94	257	177	98	13	1	0	0	664		664
	Power	1 936	7 458	33 960	25 476	9 145	1 945	236			80 156	37 929	118 085
	Carrying capacity	10 023	50 210	203 663	166 108	111 354	9 810	0	0	0	551 168		551 168
HR	Number of vessels	4	34	72	42	13	3	2	0	2	172		172
	Power**	1 720	5 863	8 622	3 949	1 258	441		0	129	21 982		21 982
	Carrying capacity	4 544	17 568	44 176	20 949	8 244	501	926	0	658	97 566		97 566
HU (2012)	Number of vessels	0	72	116	130	109	2				429		429
	Power	..	..	..	..	..	..	..	..	..	..	..	..
	Carrying capacity	..	..	..	..	..	..	..	..	..	..	..	..
SK	Number of vessels	0	7	29	39	130	5	1	0	2	213		213
	Power**		3 124	10 999	17 826	17 248	1 030	300	0		50 527		50 527
	Carrying capacity	0	5 735	16 878	34 055	171 361	8 079	399	0	1 958	238 465		238 465
TOTAL 2013	Number of vessels	75	341	860	833	1 309	254	39	0	4	3 715		3 715
	Power	3 656	27 040	151 812	125 098	161 006	47 507	2 906	0	129	519 154	182 565	701 719
	Carrying capacity	66 677	147 403	533 334	701 294	1 474 205	415 964	59 518	0	2 616	3 401 011		3 401 011

		Before 1941	1941-1960	1961-1970	1971-1980	1981-1990	1991-2000	2001-2010	After 2010	Unknown	TOTAL*	Overall power of motorized vessels	TOTAL
<b>TOTAL 2012</b>	<b>Number of vessels</b>	66	340	904	867	1 302	250	37	0	5	3 771		<b>3 771</b>
	<b>Power</b>	3 669	26 671	156 777	121 809	161 649	45 141	2 606	0	0	518 322	<b>191 748</b>	<b>710 070</b>
	<b>Carrying capacity</b>	55 871	146 800	606 948	757 144	1 465 133	413 748	57 645	0	4 090	3 507 379		<b>3 507 379</b>
<b>in % to 2012</b>	<b>Number of vessels</b>	<b>113,6</b>	<b>100,3</b>	<b>95,1</b>	<b>96,1</b>	<b>100,5</b>	<b>101,6</b>	<b>105,4</b>	<b>0</b>	<b>80,0</b>	<b>98,5</b>		<b>98,5</b>
	<b>Power</b>	<b>99,6</b>	<b>101,4</b>	<b>96,8</b>	<b>102,7</b>	<b>99,6</b>	<b>105,2</b>	<b>111,5</b>	<b>0</b>	<b>0</b>	<b>100,2</b>	<b>95,2</b>	<b>98,8</b>
	<b>Carrying capacity</b>	<b>119,3</b>	<b>100,4</b>	<b>87,9</b>	<b>92,6</b>	<b>100,6</b>	<b>100,5</b>	<b>103,2</b>	<b>0</b>	<b>64,0</b>	<b>97,0</b>		<b>97,0</b>

\*) Disregarding data on power of motorized vessels, excluding Croatia (2012-2013), Slovakia (2013).

\*\*\*) Based on data on power, including motorized vessels, for every period indicated in columns.

**4. SUMMARY DATA ON DANUBE FLEET BY YEARS OF CONSTRUCTION**  
(as of 31 December 2013)

Year		Before 1941	1941-1960	1961-1970	1971-1980	1981-1990	1991-2000	2001-2010	After 2010	Unknown	TOTAL <sup>1</sup>
<b>TOTAL 2013</b>	Number of vessels *	75	341	860	833	1309	254	39	0	4	<b>3 715</b>
	%	2,0	9,2	23,1	22,4	35,2	6,8	1,0	0	0,1	<b>100</b>

<sup>1)</sup> Ukraine, Republic of Moldova (2008), Romania (2012), Bulgaria, Serbia, Croatia, Hungary (2012), Slovakia.

Year		Before 1941	1941-1960	1961-1970	1971-1980	1981-1990	1991-2000	2001-2010	After 2010	Unknown	TOTAL *	TOTAL
<b>TOTAL 2013</b>	Number of vessels	75	341	860	833	1309	254	39	0	4	<b>3 286*</b>	<b>3 715**</b>
	%	2,3	10,4	26,2	25,3	39,8	7,7	1,2		0,1	<b>100</b>	
	Power	3 656	27 040	151 812	125 098	161 006	47 507	2 906	0	129	<b>519 154***</b>	<b>701 719****</b>
	%	0,7	5,2	29,2	24,1	31,0	9,2	0,6		0,0	<b>100</b>	
	Carrying capacity	66 677	147 403	533 334	701 294	1 474 205	415 964	59 518	0	2 616	<b>3 401 011</b>	
	%	2,0	4,3	15,7	20,6	43,3	12,2	1,8		0,1	<b>100</b>	

\*) Disregarding number of vessels of Hungary, as Hungary does not provide data on power and carrying capacity of vessels.

\*\*\*) Based on data on number of vessels of Hungary.

\*\*\*\*) Disregarding data on power of motorized vessels **with a breakdown by periods**, excluding Croatia and Slovakia.

\*\*\*\*\*) Summarized data on power of vessels of all countries listed above for indicated years.

**5. GENERAL DATA ON QUANTITY OF GOODS LEFT, ENTERED, CARRIED WITHIN NATIONAL TERRITORIES AND IN TRANSIT ON THE DANUBE for 2001-2013  
BY COUNTRIES**

**(based on statistical data forms ST-5 and DSO-1)**

In thous. tonnes

Transport modes			Quantity of goods transported										
			UA	MD	RO (2012)	BG	RS <sup>1</sup>	HR	HU (2012)	SK	AT	DE	Total
Goods left national Danube ports for the Danube ports of other countries	1*	2001	3 951,5	.. <sup>2</sup>	140,0	303,5	342,0	88,6	3432,0	1 164,2	1 258,0	7 777,1	18 114,9
		2005	8 312,2	-	1 941,0	320,0	1 179,0	773,0	1 454,0	1 059,0	1 031,0	9 070,0	25 140,2
		2008	8 390,0	-	2 023,0 <sup>3</sup>	904,0	1 324,0	318,0	1 372,0	980,0	2 167,0	6 972,0	24 450,0
		2010	7 039,0	..	2 715,0	580,0	2 161,0	156,0	1 590,0	4 252,0	1 668,0	6 741,0	26 902,0
		2012	4 394,0	„	2 020,0	3 053,0	3 319,0	256,0	1 310,0	2 411,0	1 348,0 <sup>4</sup>	6 686,0	24 814,0
		2013	3 286,0	„	2 020,0	580,0	3 283,0	273,0	1 310,0	2 756,0	1 242,0 <sup>4</sup>	6 065,0	20 798,0
		2013 to 2012 in %	133,7	..	100,0	526,4	101,1	106,6	100,0	87,5	108,5	110,2	119,3
Goods entered national Danube ports from the Danube ports of other countries	2*	2001	215,1	..	367,0	2 153,6	2 472,0	167,0	1429,0	91,2	5 607,0	..	12 501,9
		2005	389,4	32,8	3 375,0	3 034,0	3 579,0	479,0	719,0	23,0	4 259,0	..	15 890,2
		2008	266,0	159,0	5 405,0	2 673,0	3 986,0	421,0	840,0	182,0	5 731,0	..	19 663,0
		2010	242,0	..	4 292,0	1 046,0	3 523,0	214,0	739,0	158,0	6 199,0	..	16 413,0
		2012	37,0	..	2 363,0	1 046,0	1 846,0	340,0	504,0	168,0	4 490,0 <sup>4</sup>	..	10 794,0
		2013	94,0	„	2 363,0	3 362,0	1 825,0	262,0	504,0	202,0	4 358,0 <sup>4</sup>	„	12 970,0
		2013 to 2012 in %	254,1	„	100,0	321,4	98,9	77,1	100,0	120,2	97,1	„	120,2
Goods carried between the Danube ports within national territory	3	2001	547,9	..	7 652,0	949,5	2 284,0	223,4	..	-	1 206,0	..	12 862,8
		2005	55,8	-	13 197,0	1 741,0	4 399,0	14,0	908,0	101,0	356,0	..	20 771,8
		2008	138,0	-	5 166,0	1 392,0	3 688,0	-	75,0	84,0	502,0	..	11 045,0
		2010	-	-	635,0	390,0	-	1,0	30,0	71,0	456,0	..	1 583,0
		2012	11,0	-	439,0	390,0	1 076,0	0,0	32,0	38,0	1 239,0	..	3 225,0
		2013	9,0	„	439,0	1 200,0	1 053,0	0,0	32,0	25,0	700,0	„	3 458,0
		2013 to 2012 in %	81,8	„	100,0	307,7	97,9	-	100,0	65,8	56,5	„	107,2
<b>TOTAL</b> carried between the Danube ports	4	2001	4 714,5	..	8 159,0	3 406,6	5 098,0	479,0	4 861,0	1 255,4	8 071,0	7 777,1	43 821,6
		2005	8 758,4	32,8	18 513,0	5 095,0	9 157,0	1 266,0	3 081,0	1 183,0	5 646,0	9 070,0	61 802,2
		2008	8 794,0	159,0	12 594,0	4 969,0	8 998,0	739,0	2 288,0	1 246,0	8 400,0	6 972,0	55 159,0
		2010	7 281,0	..	7 642,0	2 016,0	5 684,0	371,0	2 359,0	4 481,0	8 323,0	6 741,0	44 898,0
		2012	3 334,0	..	4 822,0	2 016,0	6 205,0	596,0	1 846,0	2 962,0	6 971,0	6 065,0	34 817,0
		2013	4 497,0	„	4 822,0	7 615,0	6 197,0	535,0	1 846,0	2 638,0	6 406,0	6 686,0	41 242,0
		2013 to 2012 in %	134,9	..	100,0	377,7	99,9	89,8	100,0	89,1	91,9	110,2	118,5

Transport modes			Quantity of goods transported										
			UA	MD	RO (2012)	BG	RS <sup>1</sup>	HR	HU (2012)	SK	AT	DE	Total
Goods left national Danube ports for the Danube ports of other countries situated outside the Danube	5	2001	1 250,8	..	7 506,0	-	-	-	-	-	-	..	8 756,8
		2005	994,4	-	1 069,0	4,0	-	-	2 035,0	212,0	623,0	..	4 937,4
		2008	801,0	-	1 765,0	34,0	-	-	1 722,0	105,0	-	..	4 427,0
		2010	823,0	-	-	100,0	-	-	2 864,0	-	-	..	3 787,0
		2012	613,0	-	-	100,0	-	-	2 504,0	-	383,0	..	3 600,0
		2013	1 006,0	-	-	3,0	-	-	2 504,0	-	243,0	„	3 756,0
		2013 to 2012 in %	164,1	-	-	3,0	-	-	100,0	-	63,4	..	104,3
Goods entered national Danube ports from the ports of other countries situated outside the Danube	6	2001	702,4	..	145,0	-	-	-	-	-	-	..	847,4
		2005	543,3	-	19,0	30,0	-	-	815,0	5,0	1 811,0	..	3 223,3
		2008	944,0	-	1 497,0	15,0	-	-	954,0	5,0	-	..	3 415,0
		2010	102,0	-	-	7,0	-	-	1 081,0	-	-	..	1 190,0
		2012	64,0	-	-	7,0	-	-	761,0	-	948,0	..	1 780,0
		2013	27,0	-	-	4,0	-	-	761,0	-	1 102,0	„	1 894,0
		2013 to 2012 in %	42,2	-	-	57,1	-	-	100,0	-	116,2	..	106,4
Goods carried within national territory between Danube ports and ports situated outside the Danube	7	2001	242,9	-	-	-	-	-	-	-	-	..	242,9
		2005	231,5	-	-	-	-	-	-	-	-	..	231,5
		2008	48,0	-	-	-	-	-	-	-	-	..	48,0
		2010	189,0	-	6 894,0	-	-	-	-	-	-	..	7 083,0
		2012	16,0	-	6 323,0	-	-	-	-	-	-	..	6 339,0
		2013	12,0	-	6 323,0	-	-	-	-	-	-	..	6 335,0
		2013 to 2012 in %	75,0	-	100,0	-	-	-	-	-	-	-	99,9
<b>TOTAL</b> carried between the Danube ports and ports situated outside the Danube	8	2001	2 196,1	..	7 651,0	-	-	-	-	105,0	-	..	9 952,1
		2005	1 769,2	-	1 088,0	34,0	-	-	2 850,0	217,0	2 434,0	..	8 392,2
		2008	1 793,0	-	3 262,0	49,0	-	-	2 676,0	110,0	-	..	7 890,0
		2010	1 114,0	-	6 894,0	107,0	-	-	3 945,0	-	-	..	12 060,0
		2012	693,0	-	6 323,0	107,0	-	-	3 265,0	-	1 331,0	..	11 719,0
		2013	1 045,0	-	6 323,0	7,0	-	-	3 265,0	-	1 345,0	-	11 985,0
		2013 to 2012 in %	150,8	-	100,0	6,5	-	-	100,0	-	101,1	-	102,3

Transport modes			Quantity of goods transported										
			UA	MD	RO (2012)	BG	RS <sup>1</sup>	HR	HU (2012)	SK	AT	DE	Total
Goods carried in transit on the Danube within national section:	a) upstream	a) 2001	-	..	-	13,6	1 219,0	-	1 268,0	74,9	2 211,0	..	4 786,5
		a) 2005	-	-	429,0	-	2 105,0	-	2 535,0	97,0	925,0	..	6 091,0
		a) 2008	178,0	-	533,0	-	4 195,0	-	2 963,0	277,0	2 194,0	..	10 340,0
		a) 2010	-	-	-	-	2 661,0	-	2 653,0	..	2 293,0	..	7 607,0
		a) 2012	-	-	-	-	<b>2 474,0</b>	-	<b>2 123,0</b>	-	<b>2 000,0</b>	..	<b>6 597,0</b>
		a) 2013	-	-	..	-	<b>2 784,0</b>	-	<b>2 123,0</b>	-	<b>2 306,0</b>	..	<b>7 213,0</b>
		2013 to 2012 in %	-	-	-	-	<b>112,5</b>	-	<b>100,0</b>	-	<b>115,3</b>	..	<b>109,3</b>
	b) downstream	b)2001	-	..	-	42,1	1 099,0	-	434,0	107,0	1 352,0	..	3 034,1
		b)2005	-	-	853,0	-	2 293,0	-	801,0	29,0	334,0	..	4 310,0
		b)2008	6,0	-	1 977,0	-	2 155,0	-	903,0	79,0	615,0	..	5 735,0
		b)2010	0,0	-	-	-	2 304,0	-	996,0	..	434,0	..	3 734,0
		b)2012	-	-	-	-	1 853,0	-	901,0	-	412,0	..	3 166,0
		b)2013	-	-	..	-	<b>1 556,0</b>	-	<b>901,0</b>	-	<b>565,0</b>	..	<b>3 022,0</b>
		2013 to 2012 in %	-	-	-	-	<b>84,0</b>	-	<b>100,0</b>	-	<b>137,1</b>	..	<b>95,4</b>
<b>TOTAL</b> carried in transit	10	2001	-	..	-	55,7	2 318,0	-	1 702,0	181,9	3 564,0	..	7 821,6
		2005	-	-	1 282,0	-	4 398,0	-	3 336,0	126,0	1 259,0	..	10 401,0
		2008	184,0	-	2 510,0	-	6 350,0	-	3 866,0	356,0	2 809,0	..	16 075,0
		2010	-	-	-	-	4 965,0	-	3 649,0	5 622,0	2 727,0	..	16 963,0
		2012	-	-	-	-	4 327,0	-	3 024,0	5 280,0	2 412,0	..	15 043,0
		2013	-	-	-	-	<b>4 340,0</b>	-	<b>3 024,0</b>	<b>5 469,0</b>	<b>2 871,0</b>	..	<b>15 704,0</b>
		2013 to 2012 in %	-	-	-	-	<b>100,3</b>	-	<b>100,0</b>	<b>103,6</b>	<b>119,0</b>	..	<b>104,4</b>
<b>TOTAL</b> carried on the Danube	4+8+10	2001	6 910,6	..	15 810,0	3 462,3	7 416,0	479,0	6 563,0	1 542,3	11 634,0	7 777,1	61 594,3
		2005	10 527,6	32,8	20 883,0	5 129,0	13 555,0	1 266,0	9 267,0	1 526,0	9 339,0	9 070,0	80 595,4
		2008	10 771,0	159,0	18 366,0	5 018,0	15 348,0	739,0	8 830,0	1 712,0	11 209,0	6 972,0 <sup>5</sup>	79 124,0
		2010	8 395,0	-	14 536,0	2 123,0	10 649,0	371,0	9 953,0	10 103,0	11 050,0	6 741,0 <sup>5</sup>	73 921,0
		2012	4 027,0	-	11 145,0	2 123,0	10 532,0	596,0	8 135,0	8 242,0	10 714,0	6 065,0 <sup>5</sup>	61 579,0
		2013	<b>5 542,0</b>	-	<b>11 145,0</b>	<b>7 622,0</b>	<b>10 537,0</b>	<b>535,0</b>	<b>8 135,0</b>	<b>8 107,0</b>	<b>10 622,0</b>	<b>6 686,0<sup>5</sup></b>	<b>68 931,0</b>
		2013 to 2012 in %	<b>137,6</b>	-	<b>100,0</b>	<b>359,0</b>	<b>100,0</b>	<b>89,8</b>	<b>100,0</b>	<b>98,4</b>	<b>99,1</b>	<b>110,2</b>	..
		2013 to 2001 in %	<b>80,2</b>	-	<b>70,5</b>	<b>220,2</b>	<b>142,1</b>	<b>114,8</b>	<b>124,0</b>	<b>525,7</b>	<b>91,3</b>	<b>86,0</b>	<b>111,9</b>

\* Except for goods in transit.

<sup>1</sup> Before 05/06/2006 – Serbia and Montenegro, before 04/02/2003 – Federal Republic of Yugoslavia.

<sup>2</sup> (..) or (-) – not available or magnitude "0".

<sup>3</sup> Hereinafter for Romania - in 2008 - data for 2007 have been used.

<sup>4</sup> Including transport in/from all German and Romanian ports.

<sup>5</sup>-WSV.de — Verkehrsbericht, 2008-2013.

## 6. VOLUME OF GOODS TRANSPORTED ON THE DANUBE in 2012 - 2013

In thous. tonnes

Countries	Left countries by the Danube			Transported within national territories by the Danube			TOTAL		
	2012	2013	in % to 2012	2012	2013	in % to 2012	2012	2013	in % to 2012
UA	3 899,0	<b>5 400,0</b>	138,5	27,0	<b>21,0</b>	77,8	3 926,0	<b>5 421,0</b>	138,1
MD	..	..	..	..	..	..	..	..	..
RO (2012)	2 020,0	<b>2 020,0</b>	100,0	6 762,0	<b>6 762,0</b>	100,0	8 782,0	<b>8 782,0</b>	100,0
BG (2012=2010)	680,0	<b>3 053,0</b>	449,0	390,0	<b>1 200,0</b>	32,5	1 070,0	<b>4 253,0</b>	397,5
RS	3 283,0	<b>3 319,0</b>	101,1	1 076,0	<b>1 053,0</b>	97,9	4 359,0	<b>4 372,0</b>	100,3
HR	256,0	<b>273,0</b>	106,6	0	<b>0</b>	0	256,0	<b>273,0</b>	106,6
HU (2012)	3 814,0	<b>3 814,0</b>	100,0	32,0	<b>32,0</b>	100,0	3 846,0	<b>3 846,0</b>	100,0
SK	2 756,0	<b>2 411,0</b>	87,5	38,0	<b>25,0</b>	65,8	2 794,0	<b>2 436,0</b>	87,2
AT	1 622,0	<b>1 592,0</b>	98,2	1 239,0	<b>700,0</b>	56,5	2 861,0	<b>2 292,0</b>	80,1
DE	6 065,0	<b>6 686,0</b>	110,2	..	..	..	6 065,0	<b>6 686,0</b>	110,2
<b>Total</b>	<b>24 395,0</b>	<b>28 568,0</b>	<b>117,1</b>	<b>9 564,0</b>	<b>9 793,0</b>	<b>102,4</b>	<b>33 959,0</b>	<b>38 361,0</b>	<b>113,0</b>
<u>Arrived on the Danube:</u>	through the Sulina canal from the sea						328,0	<b>459,0</b>	139,9
	through the Kiliya arm from the sea						792,0	<b>732,0</b>	92,4
	through the Danube-Black Sea canal from the sea and from canal ports						13 721,0	<b>13 966,0</b>	101,8
	through the Main-Danube canal from the Main and from canal ports						2 365,0	<b>2 727,0</b>	115,3
<b>Total volume of goods transported on the Danube per year</b>							<b>51 165,0</b>	<b>56 245,0</b>	<b>109,9</b>

The importance of cargo flows arrived on the Danube through the canals: Main-Danube; Sulina; Danube-Black Sea and Kiliya arm in 2012-2013 is featured by the following data:

Goods in thous. tonnes	2013	%	%		2012	%	%	% to 2012
Arrived on the Danube from the sea and from the Main and ports on the Main-Danube canal, <b>including through:</b>								
- the Sulina canal	459,0	2,6	0,8		328	1,9	0,6	139,9
- the Kiliya arm	732,0	4,1	1,3		792	4,5	1,5	92,4
- the Danube-Black Sea canal	13 966,0	78,1	24,8		13 721	78,5	26,8	101,8
- the Main-Danube canal	2 727,0	15,2	4,8		2 365	15,1	5,2	103,5
<b>A total of goods arrived on the Danube</b>	<b>17 884,0</b>	<b>100</b>	<b>31,8</b>		<b>17476,0</b>	<b>100</b>	<b>34,2</b>	<b>102,3</b>
Volume of goods transported on the Danube per year	56 245,0		100		51 165,0		100	109,9

## 7. MAJOR PORTS ON THE DANUBE

with cargo turnover over 1 mln. t

(2012-2013)

in thous.t

Ports	2013	2012
Izmail	2 654,0	2 872,5
Reni	2 729,0	1 061,8
Galați**	4 984,0	3 987,0
Brăila**	3 075,0	2 166,0
Tulcea**	2 342,0	2 220,0
Vidin	1 224,0	..
Svishtov	1 213,0	..
Russe	1 166,0	1 007,0*
Oriahovo	2 613,0	..
Prahovo	1 140,0	1 140,0
Novi Sad	1 545,0	1 545,0
Pančevo	1 103,0	1 103,0
Dunaújváros**	1 053,0	1 053,0
Budapest**	789,0	789,0
Bratislava	2 373,0	2 677,0
Vienna	1 665,0	1 218,0
Linz	4 356,0	5 309,0
Regensburg	1 645,0	1 563,0

\* 2010

\*\* 2012

## 8. CARGO TURNOVER OF THE DANUBE PORTS in 2012-2013

in thous.tonnes

Countries	Loaded			Unloaded			Total cargo turnover		
	2013	2012	in % to 2012	2013	2012	in % to 2012	2013	2012	in % to 2012
UA	5 413,0	3 902,0	138,7	128,0	125,0	102,4	5 541,0	4 027,0	137,6
MD	..	..	..	..	..	..	..	..	..
RO (2012)	5 160,0	5 160,0	100,0	5 985,0	5 985,0	100,0	11 145,0	11 145,0	100,0
BG (2012=2010)	4 084,0	364,0	1 122,0	3 538,0	1 737,0	203,7	7 622,0	2 101,0	362,8
RS	4 553,0	4 776,0	95,3	3 137,0	2 620,0	119,7	7 690,0	7 396,0	104,0
HR	272,0	256,0	106,3	263,0	340,0	77,4	535,0	596,0	89,8
HU (2012)	3 845,0	3 845,0	100,0	1 265,0	1 265,0	100,0	5 110,0	5 110,0	100,0
SK	2 436,0	2 794,0	87,2	227,0	206,0	110,2	2 663,0	3 000,0	88,8
AT	2 292,0	1 624,0	141,1	6 161,0	5 439,0	113,3	8 453,0	7 063,0	119,7
DE*	828,0	1 157,0	71,6	2 360,0	2 169,0	108,8	3 188,0	3 326,0	95,9
<b>TOTAL</b>	<b>28 883,0</b>	<b>23 878,0</b>	<b>121,0</b>	<b>23 064,0</b>	<b>19 886,0</b>	<b>116,0</b>	<b>51 947,0</b>	<b>43 764,0</b>	<b>118,7</b>

\* Data from internet - *Statistische Berichte/ Bayerisches Landesamt für Statistik und Datenverarbeitung* – German ports on the Danube: Kelheim, Regensburg, Straubing-Sand, Deggendorf, Passau and other.

**CARGO TURNOVER OF THE DANUBE PORTS in 2012-2013**  
**(accordingly to Goods Nomenclature)**

**Goods Nomenclature NST-2007 <sup>1</sup>**

01	Products of agriculture, hunting, forestry and fishing		11	Machinery and equipment not elsewhere classified (n.e.c.); products of ICT and precision instruments
02	Coal and lignite; crude petroleum and natural gas		12	Transport equipment
03	Metal ores, peat and other mining and quarrying products		13	Furniture, other manufactured goods n.e.c.
04	Food products, beverages and tobacco		14	Secondary raw materials, wastes
05	Textile, leather and their products		15	Mail, parcels
06	Wood, paper, pulp and publishing products		16	Equipment utilized in transport of goods
07	Coke and refined petroleum products		17	Goods moved and non-market goods, baggage and motor vehicles being moved for repair
08	Chemicals, rubber, plastic and nuclear fuel		18	Grouped goods
09	Other non-metallic mineral products		19	Unidentifiable goods
10	Basic metals, fabricated metal products		20	Other goods n.e.c.

<sup>1</sup> Decision of the 71<sup>st</sup> session of the Danube Commission on Economic and Statistical Issues (Dok. DK/TAG 71/10), of December 10, 2008, stipulates transition of NST/R to new Standard Goods Nomenclature NST-200, to be used for drafting statistics publications for 2008. By the Decision of the 79<sup>th</sup> session of the Danube Commission on Technical Issues of December 18, 2012 (Dok. DK/TAG/79/11) draft of the short designations at a double-digit level of Nomenclature NST 2007 (Dok. DK/TAG/79/10), to be used for collecting statistics within the Danube Commission, has been endorsed.

**CARGO TURNOVER OF ALL DANUBE PORTS in 2012 -2013 (statistical data form ST-12)**

Thous.tonnes

Nomenclature NST-2007		UA	MD	RO (2012)	BG (2012=2010)	RS	HR	HU (2012)	SK	AT	DE <sup>1</sup>	Total	%
01	2013	548	*	953	930	1 333	61	2 622	168	736	1 050	8 401	16,2
	2012	378	*	953	317	1 860	33	2 622	148	507	1 218	8 036	18,4
02	2013	1 400	*	353	1 190	113	69	548	22	49	38	3 782	7,3
	2012	1 648	*	353	723	206	49	548	40	262	47	3 876	8,9
03	2013	890	*	3 119	1590	3 694	29	43	1 405	3 546	455	14 771	28,4
	2012	1 340	*	3 119	116	2 683	132	43	1 634	3 189	347	12 603	28,8
04	2013	32	*	14	*	7	51	74	*	306	313	797	1,5
	2012	6	*	14	21	*	5	74	*	318	401	839	1,9
05	2013	*	*	33	*	*	*	*	*	*	*	33	0,1
	2012	*	*	33	*	*	*	*	*	*	*	33	0,1
06	2013	31	*	181	33	4	*	5	*	15	43	312	0,6
	2012	4	*	181	17	5	*	5	*	16	38	266	0,6
07	2013	99	*	242	*	1 223	8	1 032	668	2 511	330	6 113	11,8
	2012	121	*	242	388	1 071	12	1 032	632	1 462	197	5 157	11,8
08	2013	1 984	*	201	158	500	232	297	294	696	421	4 783	9,2
	2012	266	*	201	65	508	247	297	334	745	484	3 147	7,2

<b>Nomenclature NST-2007</b>		<b>UA</b>	<b>MD</b>	<b>RO (2012)</b>	<b>BG (2012=2010)</b>	<b>RS</b>	<b>HR</b>	<b>HU (2012)</b>	<b>SK</b>	<b>AT</b>	<b>DE<sup>1</sup></b>	<b>Total</b>	<b>%</b>
<b>09</b>	<b>2013</b>	<b>222</b>	*	*	<b>13</b>	<b>21</b>	<b>18</b>	<b>25</b>	<b>79</b>	<b>7</b>	<b>90</b>	<b>475</b>	<b>0,9</b>
	<b>2012</b>	38	*	*	65	55	30	25	108	7	82	410	0,9
<b>10</b>	<b>2013</b>	<b>327</b>	*	<b>1 215</b>	*	<b>463</b>	<b>59</b>	<b>337</b>	<b>6</b>	<b>497</b>	<b>275</b>	<b>3 179</b>	<b>6,1</b>
	<b>2012</b>	212	*	1 215	91	380	84	337	7	477	289	3 092	7,1
<b>11</b>	<b>2013</b>	<b>1</b>	*	<b>3</b>	*	*	<b>8</b>	<b>8</b>	<b>18</b>	<b>58</b>	<b>16</b>	<b>112</b>	<b>0,2</b>
	<b>2012</b>	0	*	3	30	9	4	8	35	27	13	129	0,3
<b>12</b>	<b>2013</b>	*	*	*	<b>3 675</b>	<b>2</b>	*	<b>19</b>	*	<b>1</b>	<b>16</b>	<b>3 713</b>	<b>7,1</b>
	<b>2012</b>	*	*	*	*	2	*	19	39	1	39	100	0,2
<b>13</b>	<b>2013</b>	*	*	*	*	<b>8</b>	*	*	*	*	*	<b>8</b>	<b>0,0</b>
	<b>2012</b>	*	*	*	1	16	*	*	*	*	1	18	0,0
<b>14</b>	<b>2013</b>	*	*	<b>274</b>	*	<b>314</b>	*	<b>36</b>	*	<b>16</b>	<b>131</b>	<b>771</b>	<b>1,5</b>
	<b>2012</b>	*	*	274	*	590	*	36	21	4	158	1 083	2,5
<b>15</b>	<b>2013</b>	*	*	*	*	<b>1</b>	*	*	*	*	*	<b>1</b>	<b>0,0</b>
	<b>2012</b>	*	*	*	*	*	*	*	*	*	*	0	
<b>16</b>	<b>2013</b>	*	*	*	*	<b>1</b>	*	<b>4</b>	<b>2</b>	<b>10</b>	<b>2</b>	<b>19</b>	<b>0,0</b>
	<b>2012</b>	*	*	*	*	*	*	4	*	5	3	12	0,0
<b>17</b>	<b>2013</b>	*	*	*	*	<b>3</b>	*	*	*	<b>4</b>	*	<b>7</b>	<b>0,0</b>
	<b>2012</b>	*	*	*	*	1	*	*	*	2	*	3	

Nomenclature NST-2007		UA	MD	RO (2012)	BG (2012=2010)	RS	HR	HU (2012)	SK	AT	DE <sup>1</sup>	Total	%
18	2013	*	*	*	*	*	*	*	*	*	*	0	0,0
	2012	*	*	*	*	*	*	*	*	*	*	0	0,0
19	2013	1	*	4 534	*	*	*	*	*	1	8	4 544	8,7
	2012	*	*	4 534	23	8	*	*	*	42	9	4616	10,5
20	2013	7	*	23	33	3	*	61	1	*	*	128	0,2
	2012	13	*	23	244	2	*	61	2	*	*	345	0,8
TOTAL	2013	5 542	*	11 145	7 622	7 690	535	5 111	2 663	8 453	3 188	51 949	
	2012	4 026	*	11 145	2 101	7 396	596	5 111	3 000	7 064	3 326	43 765	100
in % to 2012		137,7	*	100,0	362,8	104,0	89,8	100,0	88,8	119,7	95,9	118,7	

\* not available or magnitude "0".

<sup>1</sup> Data from internet - *Statistische Berichte/ Bayerisches Landesamt für Statistik und Datenverarbeitung* – German ports on the Danube: Kelheim, Regensburg, Straubing-Sand, Deggendorf, Passau and other.

**9. PASSENGER FLEET AND TRANSPORT OF PASSENGERS BY NATIONAL VESSELS ON THE DANUBE  
in 2012-2013**

Indicator		Year	UA	MD	RO (2012)	BG (2012= 2010)	RS	HR	HU (2012)	SK	AT	DE <sup>1</sup>	Total
Number of passenger vessels in service (units)		2013	6	*	8	5	*	*	102 <sup>2</sup>	17	*	37	175
		2012	6	*	8	5	*	*	102 <sup>2</sup>	15	*	35	171
including:	Number of passenger recreational crafts without cabins	2013	2	*	6	*	*	*	102 <sup>2</sup>	16	*	*	126
		2012	2	*	6	*	*	*	102 <sup>2</sup>	14	*	*	124
	Number of passenger cabin vessels with berths	2013	4	*	2	5	*	*	*	1	*	37	49
		2012	4	*	2	5	*	*	*	1	*	35	47
Number of passenger places available in vessels in service (units)		2013	1 167	*	1764	879	*	*	13 980 <sup>2</sup>	1 614	*	12 428	31 832
		2012	1 167	*	1764	822	*	*	13 980 <sup>2</sup>	1 504	*	11 878	31 115
including:	Number of seats in passenger vessels without cabins	2013	320	*	1 400	*	*	*	13 980 <sup>2</sup>	1 564	*	*	17 264
		2012	320	*	1 400	*	*	*	13 980 <sup>2</sup>	1 454	*	*	17 154
	Number of berths in passenger cabin vessels	2013	847	*	364	879	*	*	*	50	*	*	2 140
		2012	847	*	364	822	*	*	*	50	*	*	2 083

	Year	UA	MD	RO (2012)	BG (2012= 2010)	RS	HR	HU (2012)	SK	AT	DE <sup>1</sup>	Total
Number of passengers carried (thous. people) within national territory - total	2013	7	*	150	*	*	*	711	73	*	*	941
	2012	7	*	150	*	*	*	711	88	*	*	956
Number of passengers carried (thous. people) in international navigation - total	2013	8	*	6	20	*	*	5	36	*	474	543
	2012	10	*	6	21	*	*	5	32	*	530	598
Number of passenger-kilometers released (thous. passenger – km) within national territory - total	2013	376	*	*	*	*	*	11 919	1 191	*	*	13 486
	2012	378	*	*	*	*	*	11 919	1 387	*	*	13 684
Number of passenger-kilometers released (thous. passenger – km) in international navigation - total	2013	17 208	*	*	4 203	*	*	1584	3 460	*	*	26 455
	2012	24 278	*	*	4 568	*	*	1584	2 727	*	*	33 157

\* not available or magnitude "0" (statistical forms ST-14 - ST-15)

<sup>1</sup> WSD Süd— Verkehrsbericht 2013; Verkehrsbericht 2012

<sup>2</sup> Data for 2009

**10. STATISTICS ON INLAND NAVIGATION OF GERMANY,  
including Danube and Main-Danube Canal<sup>1</sup>**

**Federal waterways**

<b>TOTAL</b>	7476 km
Including:	
<b>Rhine with tributaries</b>	1797 km
Including: Main-Danube Canal (at the confluence with the Main to the confluence with the Danube)	171 km
<b>Danube (from Kelheim to the Austrian border)</b>	213 km

**German fleet of inland navigation vessels  
status 31 December 2013**

Types of vessels	Number		Carrying capacity in tonnes	
	2013	2012	2013	2012
motor dry cargo vessels	887	912	1 138 677	1 160 299
motor tankers	366	380	675 006	697 592
pushed dry cargo barges	758	778	763 499	795 618
pushed tank barges	41	42	40 352	42 676
towed dry cargo barges	49	50	31 155	31 547
towed tank barges	12	12	3 499	3 499
<b>TOTAL</b>	<b>2 113</b>	<b>2 174</b>	<b>2 652 188</b>	<b>2 731 231</b>
bunker vessels	89	91	13 565	13 757
			<b>Engine power in kW</b>	
tug boats	122	123	27 323	27 268
pusher boats	301	300	135 964	143 530
			<b>Number of passenger-places</b>	
day-trip vessels	992	987	229 122	229 025
			<b>Number of berths</b>	
passenger cabin vessels	62	58	7 568	6 874

Source: *Zentrale Binnenschiffsbestandsdatei bei der WSD Südwest, Mainz*

<sup>1</sup>(For more details refer to "FACTS AND FIGURES FOR 2013/2014", Federal Association of the German Inland Navigation - Bundesverband der Deutschen Binnenschifffahrt e.V. – BDB).

### Enterprises, employees, economic turnover

	Number of enterprises engaged in economic activities in inland navigation, status 30 June			
	2012	2011	2010	2009
dry cargo fleet	489	473	501	523
tanker fleet	167	148	148	168
tug boats and pusher boats	44	42	42	45
passenger transport	333	292	302	311
<b>TOTAL:</b>	<b>1 011*</b>	<b>934*</b>	<b>970*</b>	<b>1 023*</b>

\* By double-counting total amount doesn't correspond to the amount for the certain fields.

### Carriage of goods by inland water transport\*

Share in total transport volumes	2013		2012		13-12 in %	12-11 in %
	mln.t	in %	in %	in %		
Products of agriculture and other agriculture-related manufactures	17,2	7,6	16,3	7,3	+5,5	+9,4
Coal and lignite; crude petroleum and natural gas	37,5	16,5	34,1	15,3	+10,0	+1,8
Metal ores and other mining and quarrying products; and other	54,9	24,2	55,6	24,9	-1,3	-5,9
Consumer goods, wood and products of wood	12,6	5,6	12,8	5,7	-1,6	+5,8
Coke and refined petroleum products	38,7	17,1	38,0	17,0	+1,8	+6,1
Chemical products	25,9	11,4	26,1	11,7	-0,8	+1,6
Basic metals; fabricated metal products	11,2	4,9	11,2	5,0	+/-0	-5,9
Machinery and equipment	2,0	0,9	2,0	0,9	+/-0	+5,3
Secondary raw materials; wastes	12,1	5,3	12,2	5,5	-0,8	+3,4
Other products	14,8	6,5	14,9	6,7	-0,7	-2,6
<b>Total</b>	<b>226,9</b>	<b>100,0</b>	<b>223,0</b>	<b>100,0</b>	<b>+1,7</b>	<b>+0,5</b>

\* By all inland waterways of Germany

### Transport flows in inland navigation

	Number of goods transported in mln. t			Turnover in bln. t-km		
	2013	2012	13-12 in %	2013	2012	13-12 in %
	54,7	54,6	+0,2	11,0	10,9	+0,9
domestic transport within Germany	172,2	168,6	+2,1	49,1	47,6	+3,2
cross-border transport						
<i>including</i>	104,6	100,0	+4,6	23,3	22,2	+5,0
import	47,8	48,3	-1,0	12,9	12,7	+1,6
export	19,8	20,3	-2,5	12,9	12,7	+1,6
transit	<b>226,9</b>	<b>223,2</b>	<b>+1,7</b>	<b>60,1</b>	<b>58,5</b>	<b>+2,7</b>
<b>Total transport volume by German waterways</b>	71,2	70,6	+0,8	17,7	18,0	-1,7
including German vessels	31,4	31,6	-0,2	29,5	30,8	-1,3
in %						

### Waterway freight transport, in mln.t<sup>1</sup>

	2013	2012	13-12 in %
Rhine basin, including:	193,5	189,4	+2,2
Upper Rhine	53,6	52,9	+1,3
Middle Rhine	81,8	80,9	+1,1
Lower Rhine	177,8	174,4	+1,9
Mosel	13,5	12,7	+6,3
Neckar	7,4	7,1	+4,2
Main	16,2	16,7	-3,0
Main-Danube Canal	5,9	5,9	+/-0
Danube (German section)	6,6	6,5	+1,5
Canals of the Western Germany, including:	39,3	37,7	+4,2
Rhine-Herne	12,3	11,8	+4,2
Wesel-Datteln	20,1	18,6	+8,1
Datteln-Hamm	7,1	6,0	+18,3

Dortmund-Ems	18,4	18,5	-0,5
Küsten Canal	4,7	4,2	+11,9
Elbe basin	17,6	16,3	+8,0
Weser basin	8,5	8,9	-4,5
German Midland canal, including:	21,5	20,5	+4,9
Salzgitter branch canal	2,5	2,8	-10,7
Berlin waterways	4,7	4,2	+11,9
State of Brandenburg			
State of Mecklenburg – Western Pomerania	3,6	3,5	+2,9

<sup>1</sup> By double-counting total amount for the certain regions appears to be higher than the German-wide indicators.

### Container transport by inland waterway vessels

Number of containers transported, in thous. TEU*			
	2013	2012	13-12 in %
domestic transport within Germany	227	248	-8,5
cross-border transport	1 980	1 944	+1,9
<i>including</i>			
import	841	820	+2,5
export	897	881	+1,8
transit	242	243	-0,4
<b>Total transport volume on German waterways</b>	<b>2 207</b>	<b>2 192</b>	<b>+0,7</b>
<b>including German vessels</b>	<b>355</b>	<b>352</b>	<b>+0,9</b>
<b>in %</b>	<b>16,1</b>	<b>16,1</b>	<b>+/-0</b>

\* In Twenty-Foot-Equivalent-Unit.

### Container transport in Germany, in 1000 TEU\*

	2013	2012	13-12 in %
Rhine, Main, Neckar, Mosel, Saar	1 788	1 748	+2,3
Canals region <sup>1</sup> , Ruhr	150	145	+3,4
Elbe Region <sup>2</sup>	114	110	+3,6
Weser	138	192	-28,1
<b>Danube and Main-Danube Canal</b>	<b>2</b>	<b>3</b>	<b>-33,3</b>
<b>TOTAL:</b>	<b>2 192</b>	<b>2 198</b>	<b>-0,3</b>

\* In Twenty-Foot-Equivalent-Unit.

<sup>1</sup> RHK, WDK, DHK, DEK, MLK.

<sup>2</sup> Elbe, ESK, EKK, EHK, UHW, NOK, Saale.

### Comparison of transport modes for long distance routes

		train	vessel	truck
Route length in km <sup>1</sup>		33 576	7 476	230 500
Transport volume	in mln.t <sup>2</sup>	373,7	226,9	1 284,9 <sup>3</sup>
	share of each transport mode in %	19,8	12,1	68,1 <sup>3</sup>
Cargo turnover	in bln.tkm <sup>2</sup>	112,6	60,1	251,0 <sup>3</sup>
	share of each transport mode in %	26,6	14,2	59,2 <sup>3</sup>
Cargo volume in t per 1 km of route <sup>4</sup>		11 130	30 350	5 574
Average distances in km for the means of transport in Germany <sup>4</sup>		301	265	195
Transport of dangerous goods in mln.t per year		65,7	45,0	- <sup>5</sup>
Accident costs, cent/100 tkm <sup>6</sup>		6,0	3,3	42,9
Noise costs, cent/100 tkm <sup>6</sup>		0,84	0,00	0,79
Energy consumption in bulk freight transport in MJ/tkm <sup>6,7</sup>		0,43	0,23	0,92
<b>Costs related to (CO<sub>2</sub>) emissions, cent/tkm<sup>5</sup></b>				
for bulk freight transport <sup>7</sup>		0,18	0,12	0,47
for container transport <sup>7</sup>		0,16	0,11	0,26

<sup>1</sup> Source: Verkehr in Zahlen 2013/2014 (*Verkehr in Zahlen 2013/2014*) DIW.

<sup>2</sup> Market observation for road transport for 2013, BAG Köln.

<sup>3</sup> Excluding data on carriage by road transport for short distances and within a national territory.

<sup>4</sup> Own calculations.

<sup>5</sup> Not available.

<sup>6</sup> PLANCO Study "Comparison of transport modes" for 2007.

<sup>7</sup> By separate ratio.

**11. TRANSPORT OF DANGEROUS GOODS ON THE DANUBE for 2010-2013**  
**(in accordance with ADN<sup>1</sup>)**

thous.tonnes

Class	Name	Transport modes	SK				RO	
			2010	2011	2012	2013	2010	2012
1.	Explosive substances and articles (Class 1 ADN)	national transport						
		international transport (excluding transit)						
		transit						
		Total in 20... (in thous. tonnes)						
		in thous. t/km						
2.	Gases (Class 2 ADN)	national transport					0	0
		international transport (excluding transit)					21	10,4
		transit					0	0
		Total in 20... (in thous. tonnes)					21	10,4
		in thous. t/km					..	..
3.	Flammable liquids (Class 3ADN)	national transport	0	0	0	0	28	18,5
		international transport (excluding transit)	816	748	617,3	630	304	224,3
		transit	21	45	72,2	56,5		
		Total in 20... (in thous. tonnes)	837	793	689,5	686,5	332	242,8
		in thous. t/km	19 225	26 235	28 444	26 879		

<sup>1</sup> Draft "Form and table for data collection on transport of dangerous goods on the Danube in accordance with ADN" (Dok. DK/TAG 73/14) has been approved by the Decision of the 73<sup>rd</sup> session of the DC of December 15, 2009 (Dok. DK/TAG 73/15). Competent authorities of Member States were recommended to use form for data collection for 2009 on transport of dangerous goods on the Danube beginning January 1, 2010 to provide Secretariat of the Danube Commission with them on voluntary basis.

Class	Name	Transport modes	SK				RO	
			2010	2011	2012	2013	2010	2012
4.	Flammable solids, self-reactive substances and desensitized explosives, substances liable to spontaneous combustion and substances which, in contact with water, emit flammable gases (Classes 4.1, 4.2 and 4.3ADN)	national transport	0		0			
		international transport (excluding transit)	0		4			
		transit	1		0			
		Total in 20... (in thous. tonnes)	1		4			
		in thous. t/km	208		54			
5.	Oxidizing substances and organic peroxides (Classes 5.1 and 5.2 ADN)	national transport						
		international transport (excluding transit)						
		transit						
		Total in 20... (in thous. tonnes)						
		in thous. t/km						
6.	Toxic substances and infectious substances (Classes 6.1 and 6.2 ADN)	national transport	0			0		
		international transport (excluding transit)	2			0		
		transit	0			2		
		Total in 20... (in thous. tonnes)	2			2		
		in thous. t/km	26			7 924,5		
7.	Radioactive materials (Class 7ADN)	national transport						
		international transport (excluding transit)						
		transit						
		Total in 20... (in thous. tonnes)						
		in thous. t/km						

Class	Name	Transport modes	SK				RO	
			2010	2011	2012	2013	2010	2012
8.	Corrosive substances (Class 8 ADN)	national transport						
		international transport (excluding transit)						
		transit						
		Total in 20... (in thous. tonnes)						
		in thous. t/km						
9.	Miscellaneous dangerous substances and articles (Class 9 AND)	national transport						
		international transport (excluding transit)						
		transit						
		Total in 20... (in thous. tonnes)						
		in thous. t/km						
		<b>Total in 20... (in thous. tonnes)<sup>2</sup></b>	<b>840</b>	<b>793</b>	<b>693,5</b>	<b>689</b>	<b>353</b>	<b>253,2</b>
		<b>in thous. t/km</b>	<b>19 459</b>	<b>26 235</b>	<b>28 498</b>	<b>34 803</b>	<b>..</b>	<b>..</b>

<sup>2</sup> According to the expert assessment transport of dangerous goods on the Danube in Germany may amount to ca. 10% of the total traffic volume in IWT (*Water and Navigation Directorate - South*).