

OVERVIEW FREIGHT VOLUMES IWT > 1,000,000 PER FLOW RELATION AND COMMODITY													
OD RELATION		ESTIMATED DISTANCE KM	AGRICULTURAL PRODUCTS	FOODSTUFFS AND ANIMAL FODDER	SOLID MINERAL FUELS	PETROLEUM PRODUCTS	ORES AND METAL WASTE	METAL PRODUCTS	CRUDE AND MANUFACTURED MINERALS, BUILDING MATERIALS	FERTILIZERS	CHEMICALS	MACHINERY, MANUFACTURED ARTICLES AND MISC.	TOTAL (k1,000 ton)
Rotterdam	Duisburg	253.95	54.531	1.689.372	5.285.750	1.773.883	16.043.974	889.847	1.300.875	8.165	1.259.520	2.442.229	30.748
Rotterdam	Antwerp	153.47	54.255	144.114	44.885	631.432	131.581	187.201	608.386	25.885	186.781	19.983.784	21.998
Rotterdam	Amsterdam	126.83	56.176	667.677	44.922	7.631.208	86.620	94.776	831.260	7.316	2.419.064	1.357.125	13.196
Le Havre	Gennevilliers	175.84	1.012.305	273.339	926.200	384.762	22.503	29.107	5.462.807	15.297	67.373	1.176.468	9.370
Duisburg	Antwerp	352.84	112.788	175.805	93.816	1.086.388	340.595	512.417	1.380.015	39.880	499.738	1.918.003	6.159
Liège	Antwerp	172.33	36.336	18.109	807.898	2.111.044	225.293	151.309	1.442.328	76.334	759.677	490.009	6.118
Moerdijk	Rotterdam	98.62	221.375	402.523	124.187	835.797	61.260	56.868	1.236.012	6.549	551.809	2.051.112	5.547
Gent	Antwerp	87.4	80.787	139.624	1.124.341	1.340.884	254.506	359.336	1.348.035	78.885	641.397	173.543	5.541
Terneuzen	Gent	78.27	40.139	24.459	319.156	522.678	390.688	26.627	1.788.245	75.167	486.948	1.069.453	4.744
Terneuzen	Rotterdam	166.01	104.574	73.705	59.039	1.310.065	86.222	26.454	1.371.067	72.849	1.002.608	624.315	4.731
Amsterdam	Antwerp	244.38	13.504	102.673	68.369	29.161	23.784	118.657	114.809	8.434	64.743	4.023.953	4.568
Rotterdam	Gent	222	36.067	332.434	225.906	793.266	153.775	39.478	719.498	37.773	261.460	1.770.706	4.370
Genk	Antwerp	116.11	25.563	9.279	1.042.364	852.773	253.536	44.813	1.159.966	117.079	638.660	210.437	4.354
Rotterdam	Kalsruhe	928.24	73.555	12.626	0	2.669.405	236.957	23.363	180.881	2.411	610.870	98.571	3.909
Giurgiu	Constanza	275	520.455	157.028	40.285	52.064	429.490	4.161	1.951.856	76.276	406.518	186.975	3.825
Rotterdam	Ludwigshafen am Rhein	424.2	20.371	757.053	5.531	769.299	0	26.414	358	84.267	1.345.312	175.373	3.764
Rotterdam	Herne	343.75	604	4.975	2.184.994	1.022.195	24.839	123.660	216.522	0	22.677	40	3.601
Rotterdam	Nijmegen	167.63	228.554	466.978	60.527	1.649.358	79.892	33.655	606.020	1.016	148.256	284.178	3.558
Amsterdam	Duisburg	251.64	8.146	328.234	1.040.716	455.831	14.743	380.958	995.325	17.850	41.076	257.783	3.541
Maastricht	Rotterdam	245.88	92.315	54.788	235.916	618.137	68.656	29.356	1.317.370	26.326	306.566	726.462	3.476
Mainz	Antwerp	523.09	88.299	94.998	96.324	472.385	23.260	28.773	95.438	127.817	859.780	1.580.360	3.467
Amsterdam	Lelystad	64.59	3.351	5.536	0	10.197	0	0	2.996.806	0	315.518	48.428	3.380
Rotterdam	Utrecht	79.82	34.887	76.125	0	767.200	493	1.076	1.531.288	14.683	56.930	804.134	3.287
Cuijk	Amsterdam	168.31	31.889	758.045	723.553	70.703	57.861	404.321	828.609	29.180	38.149	49.551	2.991
Terneuzen	Antwerp	101.99	37.641	14.925	19.835	86.500	281.730	8.740	1.276.401	25.999	156.758	1.047.113	2.956
Brugge	Antwerp	172.91	13.423	93.197	9.165	542.685	4.149	4.858	31.991	2.981	26.578	2.191.478	2.921
Bor district	Constanza	700	1.388.513	410.792	14.869	1.036.031	0	0	0	0	8.100	0	2.858
Nijmegen	Nijmegen	139.29	35.484	583.786	417.116	81.080	64.549	1.016	1.346.352	31.581	141.300	136.494	2.839
Rotterdam	Liège	330.03	7.247	7.986	601.571	537.266	68.300	17.303	419.877	10.359	143.472	897.546	2.711
Amsterdam	Kalsruhe	925.93	0	201.387	2.396.122	0	0	10.744	46.770	0	1.224	2.722	2.659
Rotterdam	Köln	281.11	0	8.706	27.421	665.859	88.585	31.696	69.660	0	1.335.183	424.753	2.649
Moerdijk	Antwerp	164.01	25.863	39.832	31.508	71.132	113.501	32.824	519.118	3.518	68.328	1.569.307	2.475
Rotterdam	Kampen / Zwolle	269.76	105.992	350.504	1.930	1.045.466	71.598	51	36.914	2.539	47.758	548.487	2.211
Kalsruhe	Antwerp	1027.13	55.894	49.250	148.541	543.636	38.179	105.982	327.878	48.901	438.528	434.745	2.192
Rotterdam	Strassbourg	789.36	322.368	86.676	0	725.462	93.274	39.777	284.306	426	364.553	206.089	2.123
Maastricht	Cuijk	115.8	59.924	12.361	9.387	50.413	1.747	12.744	1.741.410	54.229	64.245	106.551	2.113
Marseille	Lyon	481.57	216.602	0	93.581	357.403	18.607	17.834	358.306	12.162	517.425	501.093	2.093
Amsterdam	Köln	278.8	0	30.810	3.675	1.847.794	31.753	1.989	2.356	0	11.392	1.648	1.931
Venlo	Antwerp	155.37	11.119	9.953	6.848	27.824	150.198	95.752	670.413	15.647	90.276	800.717	1.879
Namur	Antwerp	183.68	10.904	14.978	8.112	214.116	213.614	1.230	1.074.053	35.842	265.448	11.006	1.849
Born	Amsterdam	255.3	15.732	107.435	682.419	51.231	11.046	164.091	418.906	65.606	289.501	20.556	1.827
Amsterdam	Offenbach	579.27	0	52.793	1.684.333	64.375	0	0	13.249	0	7.364	0	1.822
Strassbourg	Antwerp	888.25	24.732	30.628	7.650	472.350	51.610	12.796	231.434	31.032	165.506	778.404	1.806
Rotterdam	Groningen / Harlingen	365.36	6.086	44.946	1.873	447.271	3.870	9.685	786.043	0	158.654	328.180	1.787
Den Bosch	Nijmegen	190.65	51.165	58.719	37.475	31.041	12.365	1.026	1.430.092	3.647	98.203	38.964	1.763
Charleroi	Amsterdam	151.84	67.370	112.053	35.439	76.307	74.090	71.442	788.820	11.007	398.282	48.882	1.684
Bratislava	Linz	270	10.550	5.227	6.199	160.000	220.074	0	1.004.898	144	15.477	238.303	1.661
Thionville	Antwerp	841.21	57.790	25.607	1.278.469	41.389	7.518	159.252	22.025	3.093	17.140	18.341	1.631
Moerdijk	Duisburg	276.97	15.740	2.391	118.802	0	4.942	175.375	1.035.802	5.363	0	257.837	1.616
Liège	Ghent	256.57	18.911	8.974	56.129	49.754	117.484	127.060	868.781	8.500	305.089	41.521	1.602
Amsterdam	Deventer	239.33	42.270	733.412	7.328	150.866	72.489	1.848	414.992	30.304	110.452	15.475	1.579
Amsterdam	Gelsenkirchen	278.8	0	135.570	951.587	130.983	21.975	4.287	1.949	0	127.666	1.301	1.555
Köln	Antwerp	380	26.090	64.763	67.462	368.526	31.519	20.228	97.692	73.735	454.395	348.090	1.553
Namur	Liège	66.99	27.541	82.113	4.695	2.629	266.385	0	1.199.157	3.367	17.727	1.515	1.531
Rotterdam	Gustavsburg	581.58	0	0	0	1.051.236	0	0	1.326	1.444	75.575	383.627	1.513
Brandenburg and der Havel	Berlin	26.83	18.968	0	1.390.679	0	4.641	0	86.181	0	0	0	1.500
Terneuzen	Amsterdam	256.92	611	18.127	5.290	558.291	60.448	16.956	222.420	9.731	567.141	29.875	1.489
Charleroi	Antwerp	128.3	63.681	29.660	45.124	310.643	72.149	79.918	493.424	37.589	321.918	25.859	1.480
Rotterdam	Basel	910.78	34.145	56.617	74.697	28.209	5.517	12.116	25.149	351	9.935	1.201.445	1.448
Amsterdam	Lemmer	200.67	75.761	179.775	0	9.509	52.873	3.164	954.653	47.382	65.915	38.864	1.428
Terneuzen	Liège	272.79	20.563	6.591	191.995	381.946	47.418	14.879	224.827	53.605	300.474	167.316	1.410
Stein	80.85	1.447	1.449	4.315	0	0	242.983	6.223	1.096.803	3.329	21.751	26.406	1.405
Terneuzen	Kortrijk	118.08	2.449	3.878	4.660	66.740	214.030	0	963.459	796	6.619	106.605	1.369
Rotterdam	Breitsach	928.24	0	4.775	0	134.438	169.403	34.369	921.350	0	56.559	26.639	1.348
Köln	Duisburg	101.38	7.995	4.709	215.103	301.509	34.531	0	61.942	0	680.113	24.098	1.330
Moerdijk	Terneuzen	176.55	223.083	132.835	60.006	139.151	28.709	15.705	428.059	46.158	164.067	80.406	1.318
Rotterdam	Oldenburg	450	45.066	744.691	81.119	217.492	0	33.585	0	366	178.760	9.029	1.310
Cuijk	Breitsach	650	0	400	0	0	8.382	8.952	1.234.802	0	948	54.921	1.308
Gelsenkirchen	Duisburg	101.38	11.597	118.645	3.829	554.117	4.478	1.839	231.881	0	364.714	1.086	1.292
Ludwigshafen	Kalsruhe	504.06	9.096	64.707	4.324	507.855	3.699	2.784	532.664	2.233	131.641	3.413	1.262
Moerdijk	Utrecht	121.3	13.160	17.467	2.539	17.497	0	0	1.148.456	975	13.703	45.233	1.259
Terneuzen	Köln	392.54	2.169	301	10.393	663.462	0	0	16.014	0	504.900	61.287	1.259
Amsterdam	Liège	339.45	2.329	7.777	77.572	75.762	55.885	381.105	359.192	547	109.457	176.861	1.246
Amsterdam	Heilbronn	774.81	4.344	253.190	833.944	0	24.562	731	21.232	29.685	61.330	912	1.230
Calafat	Constanza	630	376.506	111.391	2.932	66.148	116.383	4.161	534.937	75	9.550	2.912	1.225
Rotterdam	Gelsenkirchen	281.11	31.339	16.775	2.062	456.795	69.167	2.203	118.037	0	518.103	666	1.213
Utrecht	Cuijk	92.28	2.173	7.033	2.082	21.316	0	203	1.130.192	608	27.156	16.597	1.207
Enschede	Duisburg	220.61	0	91.064	0	0	12.327	64.510	970.161	3.252	0	52.054	1.206
Cuijk	Duisburg	118.48	0	19.544	2.063	0	0	1.922	1.005.269	2.912	63.425	99.677	1.195
Gelsenkirchen	Antwerp	380	11.734	43.625	61.042	400.040	55.444	68.490	204.051	37.309	267.791	29.470	1.179
Amsterdam	Basel	908.47	11.865	101.446	5.604	124	3.345	91.748	15.636	374	36.552	880.131	1.151
Rotterdam	Genk	266.82	1.726	4.154	6.264	169.617	70.999	41.2					