

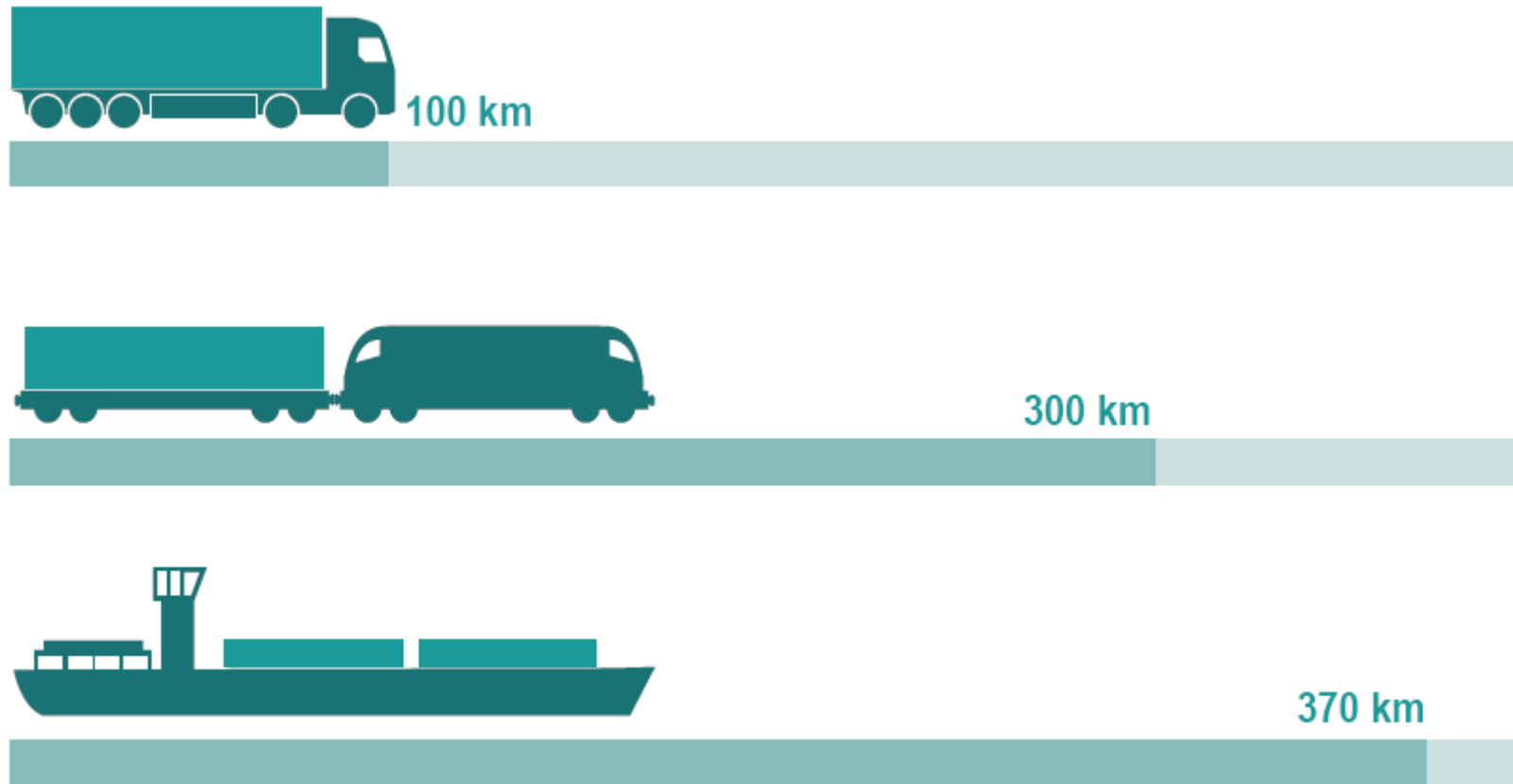


The evolution of Constanta Port as hub for Danube countries

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Pro Danube International

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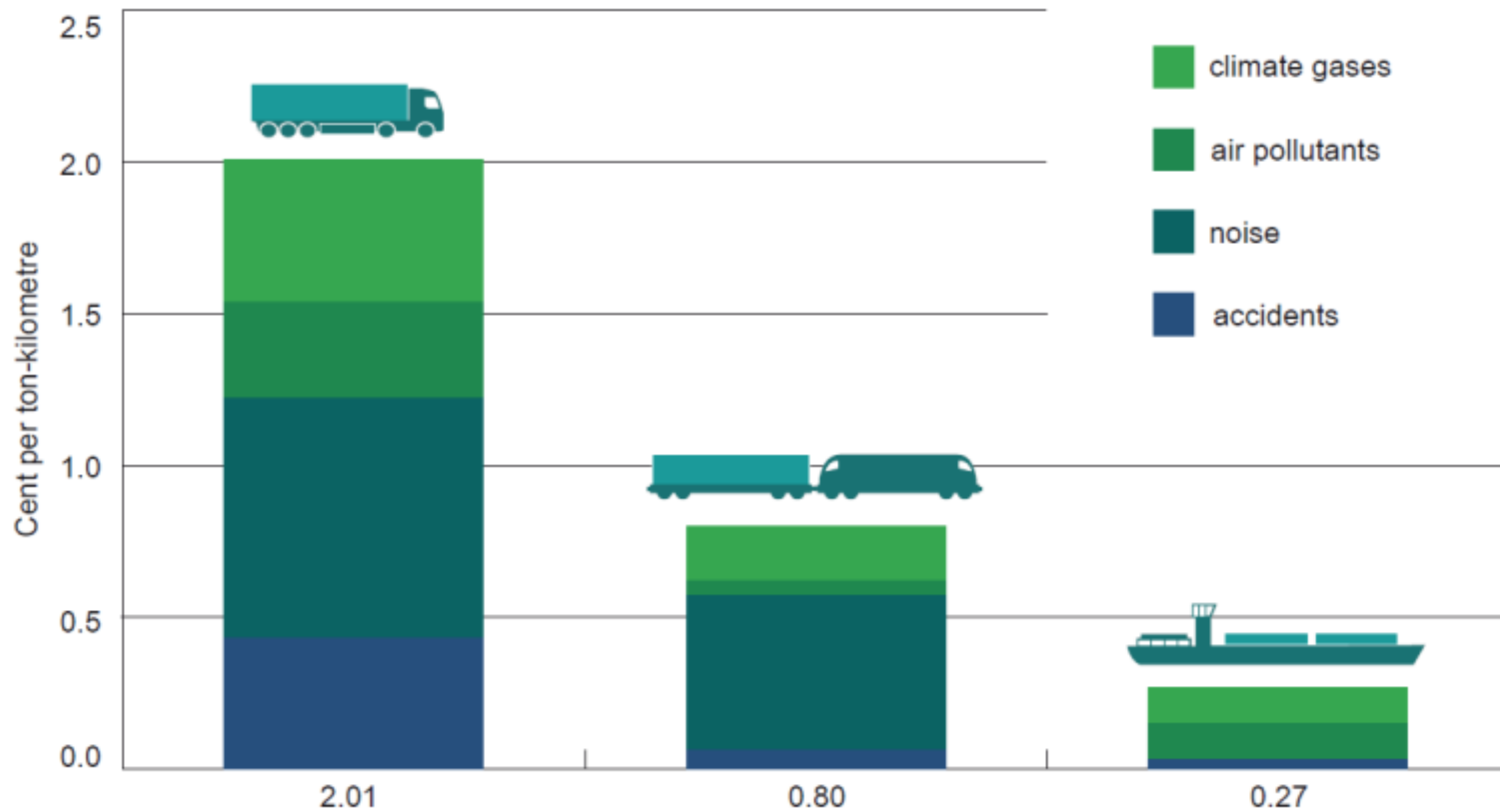
The Advantages of Danube Navigation – Inland navigation – economic and eco-friendly



Source: via donau

Transport distances for one ton of cargo requiring the same amount of energy

The Advantages of Danube Navigation – Inland navigation – lowest external costs



Source: PLANCO Consulting & Bundesanstalt für Gewässerkunde 2007

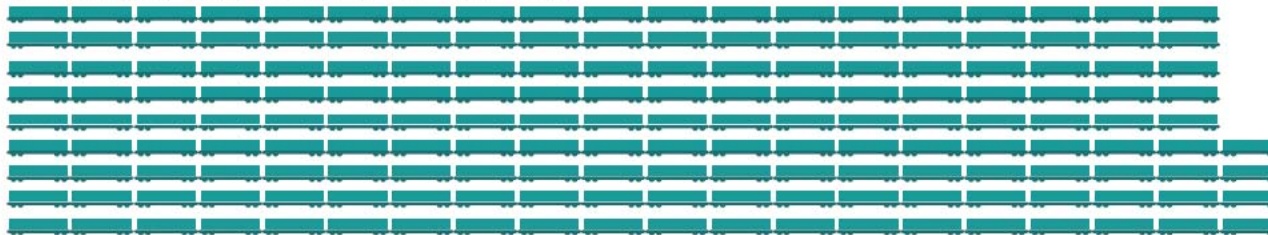
The sum of external costs for inland vessels is by far the lowest (average values for selected transports of bulk goods)

The Advantages of Danube Navigation – Inland navigation relieves road and rail

1 convoy with four pushed lighters: 7,000 net tons



175 railway wagons at 40 net tons each



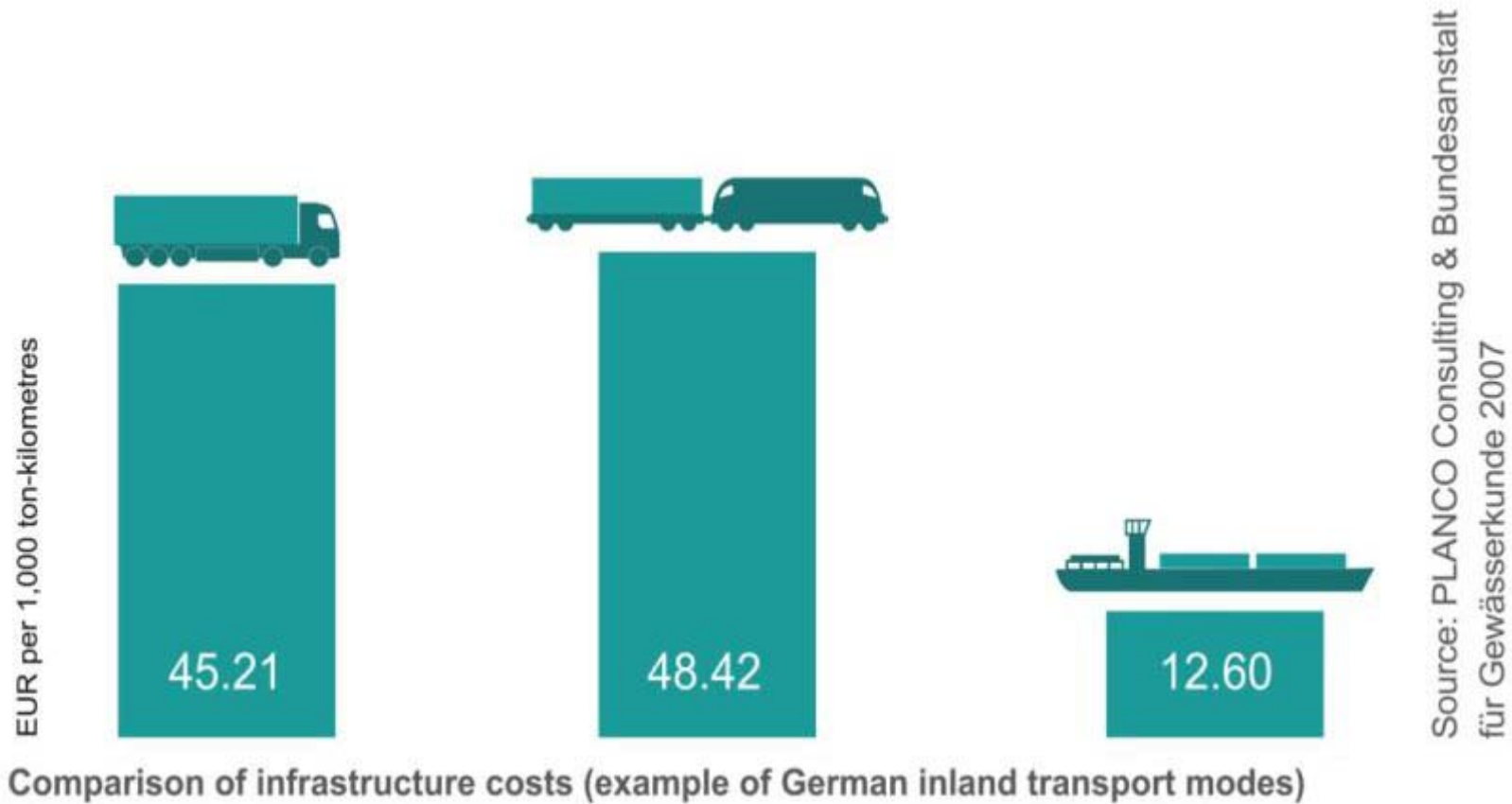
280 trucks at 25 net tons each



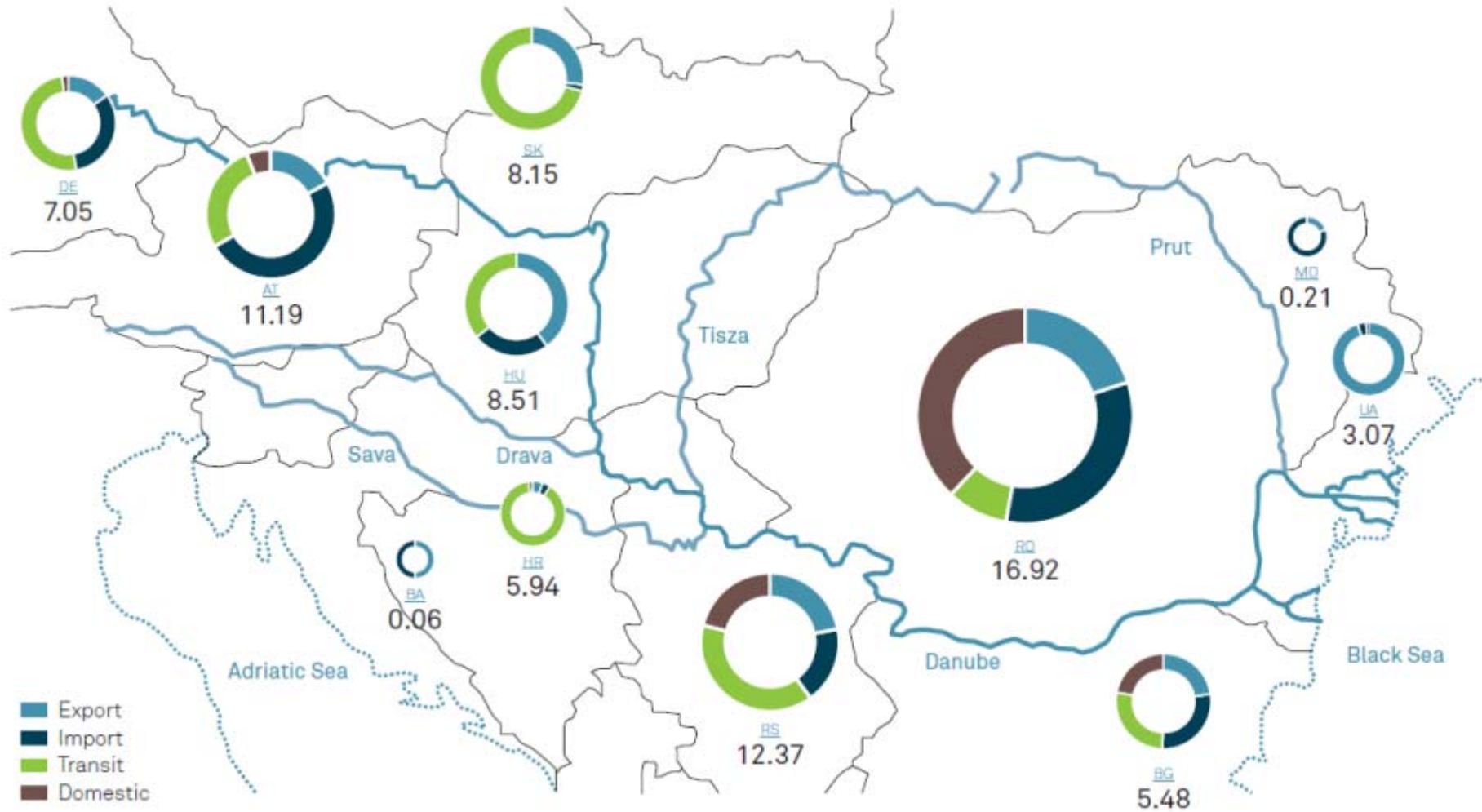
Inland vessels beat road and rail in terms of transport capacity

Source: via donau

The Advantages of Danube Navigation – Expenses of the different transport modes in the Danube corridors



Freight transport on the entire Danube 2013



Danube Countries



10 countries along the Danube ;
between Sulina and Kelheim : 2414 km ; with navigable-
secondary arms and -tributary + canals – almost 3400 km ;
more than 70 ports

Germany



Navigable course of the Danube: 203 km; 6 locks

Most important ports: Kelheim, Regensburg, Deggendorf, Passau

Cargo Flow Germany – Constanta

	2014	2015
Germany	Q(t)	Q(t)
Cereals	40.561	35.824
Food stuff and animal feed	2.148	0
Oil seeds, oleaginous fruits and fats	0	18.111
Iron ores, scrap	4.750	0
Metal products	15.277	97.175
Raw or processed minerals	132.088	94.515
Natural and chemical fertilizers	656	6.092
Machines, transport equipments	26.640	14.971
Miscellaneous	160	0
Total	222.280	266.688

Austria



Navigable course of the Danube: 351 km , 9 locks
Most important ports: Linz, Enns, Ybbs, Krems, Wien

Cargo Flow Austria – Constanta

	2014	2015
Austria	Q(t)	Q(t)
Cereals	18,341	23,209
Food stuff and animal feed	21,335	52,545
Solid mineral fuels	143,564	0
Iron ores, scrap	2,001,834	88,596
Non-ferrous ores and scrap	10,888	13,700
Metal products	46,615	128,696
Raw or processed minerals	201	17,353
Natural and chemical fertilizers	144,650	254,042
Machines, transport equipments	7,356	5,410
Miscellaneous	0	372
Total	2,394,784	583,923

Slovakia



Navigable course of the Danube: 169 km – including Gabčíkovo bypass canal, 1 lock
Most important ports: Bratislava, Komárno

Cargo Flow Slovakia –Constanta

	2014	2015
Slovakia	Q(t)	Q(t)
Cereals	11.249	74.767
Food stuff and animal feed	1.109	17.364
Oil seeds, oleaginous fruits and fats	0	1.200
Oil products	4.622	27.516
Iron ores, scrap	13.738	6.008
Metal products	0	40.884
Natural and chemical fertilizers	4.909	5.454
Machines, transport equipments	1.005	862
Miscellaneous	204	536
Wood and cork	0	986
Total	36.836	175.577

Hungary



Navigable course of the Danube: 419 km

Most important ports: Gyor-Gönyu, Budapest, Dunaujvaros, Paks, Baya, Mohacs

Cargo Flow Hungary – Constanta

	2014	2015
Hungary	Q(t)	Q(t)
Cereals	1,508,908	3,702,950
Food stuff and animal feed	113,071	232,119
Oil seeds, oleaginous fruits and fats	2,572	1,758
Solid mineral fuels	1,007,594	1,593,418
Oil products	26,715	34,541
Iron ores, scrap	71,805	46,609
Metal products	8,864	52,560
Raw or processed minerals	1,200	1,350
Natural and chemical fertilizers	34,152	49,621
Machines, transport equipments	2,639	4,127
Miscellaneous	3,743	2,575
Total	2,781,263	5,721,628

Croatia



Navigable course of the Danube: 138 km
Most important ports: Osijek, Vukovar

Cargo Flow Croatia – Constanta

	2014	2015
Croatia	Q(t)	Q(t)
Cereals	16,091	107,405
Food stuff and animal feed	0	1,050
Oil seeds, oleaginous fruits and fats	0	6,072
Solid mineral fuels	0	1,523
Oil products	2,718	7,551
Iron ores, scrap	3,123	0
Natural and chemical fertilizers	16,406	7,919
Machines, transport equipments	1,642	0
Other chemical products	0	3,707
Miscellaneous	208	0
Total	40,188	135,227

Serbia



Navigable course of the Danube: 587 km, 2 locks (on common sector with Romania)
Most important ports: Apatin, Novi Sad, Belgrad, Pancevo, Smederevo, Prahovo

Cargo Flow Serbia – Constanta

	2014	2015
Serbia	Q(t)	Q(t)
Cereals	2,184,559	3,383,344
Food stuff and animal feed	0	4,354
Oil seeds, oleaginous fruits and fats	0	9,613
Solid mineral fuels	160,561	451,183
Oil products	207,553	96,739
Iron ores, scrap	1,114,689	225,148
Non-ferrous ores and scrap	66,951	355,562
Metal products	213,075	97,226
Cement, lime, prefabricated materials for constructions	2,488	0
Raw or processed minerals	2,200	18,126
Natural and chemical fertilizers	416,011	693,381
Other chemical products	2,007	0
Cellulose and waste paper	2,428	0
Machines, transport equipments	7,190	14,776
Miscellaneous	143	301
Total	4,379,855	5,349,753

Bulgaria



Navigable course of the Danube :471 km ;

Most important ports : Vidin, Lom,Somovit, Svistov, Ruse, Silistra

Cargo Flow Bulgaria – Constanta

	2014	2015
Bulgaria	Q(t)	Q(t)
Cereals	1.322.487	1.261.631
Food stuff and animal feed	12.460	8.811
Oil seeds, oleaginous fruits and fats	89.137	69.622
Solid mineral fuels	81.130	123.409
Oil products	244.816	181.771
Iron ores, scrap	8.838	12.583
Non-ferrous ores and scrap	0	1.010
Metal products	2.790	95.800
Cement, lime, prefabricated materials for constructions	15.469	33.244
Raw or processed minerals	30.337	0
Natural and chemical fertilizers	35.931	65.962
Other chemical products	7.778	5198
Machines, transport equipments	4.369	5.454
Miscellaneous	2.758	0
Total	1.858.300	1.864.495

Republic of Moldova



Navigable course of the Danube: 0,55 km
Most important ports: Port of Giurgiulesti

Cargo Flow Republic of Moldova – Constanta

	2014	2015
Republic of Moldova	Q(t)	Q(t)
Cereals	69.214	51.140
Oil seeds, oleaginous fruits and fats	41.621	0
Solid mineral fuels	0	7.500
Oil products	92.767	141.262
Cement, lime, prefabricated materials for constructions	966	0
Miscellaneous	3.460	0
Total	208.028	199.902

Ukraine



Navigable course of the Danube: 170 km

Most important ports: Reni, Ismail, Kilia, Ust-Dunaysk

Cargo Flow Ukraine – Constanta

	2014	2015
Ukraine	Q(t)	Q(t)
Cereals	18.166	27.080
Food stuff and animal feed	0	0
Oil seeds, oleaginous fruits and fats	5.747	43.105
Solid mineral fuels	114.047	23.162
Oil products	518.196	79.873
Iron ores, scrap	1.025.967	3.879
Non-ferrous ores and scrap	0	1.024
Metal products	92.735	120.456
Raw or processed minerals	2.506	15.102
Natural and chemical fertilizers	20.413	55.548
Chemical products from coal and tar	8.613	3.377
Other chemical products	10.000	16953
Glassware and ceramic products	3.369	0
Machines, transport equipments	3.297	2.080
Miscellaneous	31	0
Wood and cork	0	4.752
Total	1.823.087	396.391

Romania



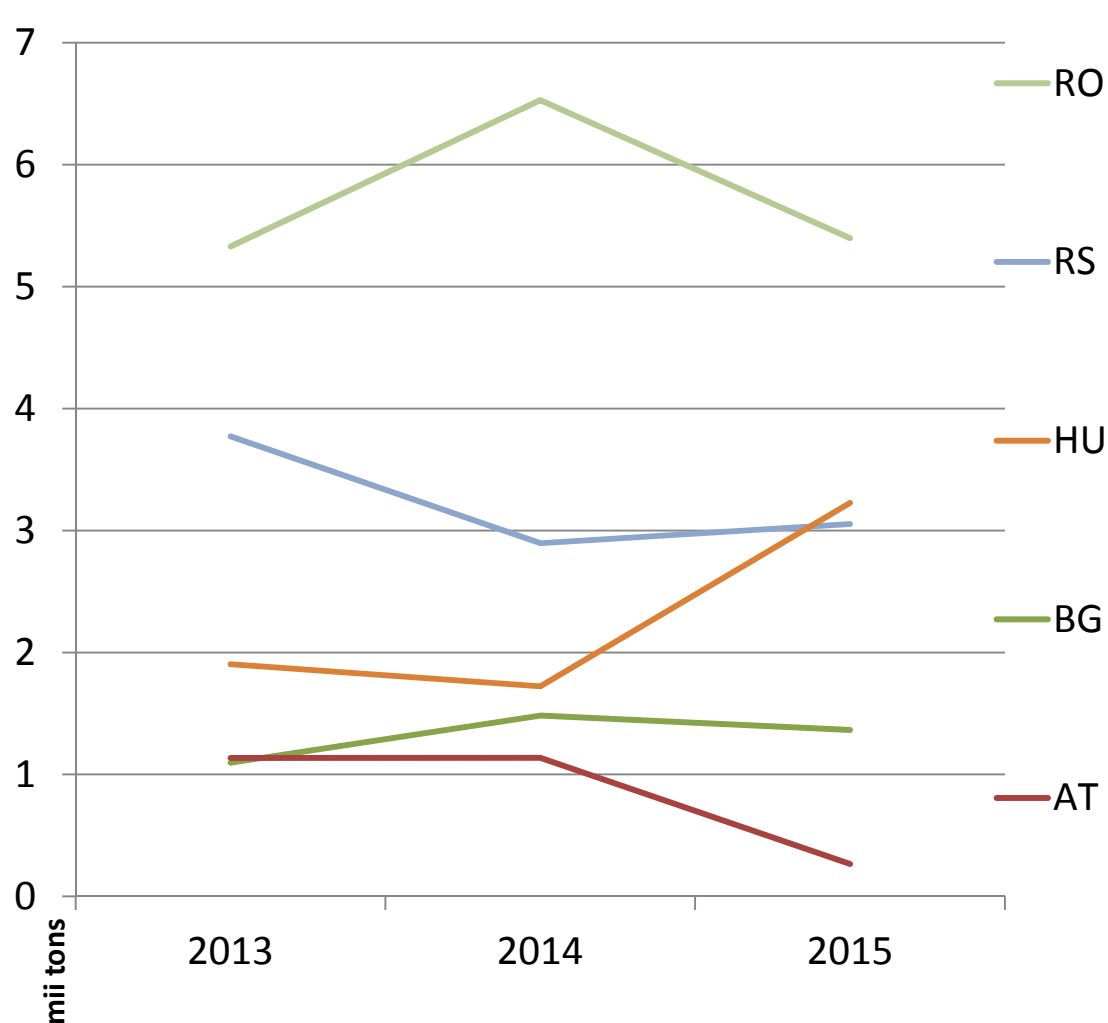
Navigable course of the Danube: 1072 km (without another 487 km on secondary navigable arms and 97 km Danube Black Sea Canal)

Most important ports: : Orsova, Drobeta Turnu Severin, Calafat, Bechet, Corabia, Giurgiu, Oltenita, Cernavoda, Harsova, Braila, Galati , Tulcea, Sulina, Medgidia ,Basarabi, CONSTANTA

Cargo Flow Romania - Constanta

Romania	2014 Q(t)	2015 Q(t)
Cereals	12.200.808	10.792.398
Livestock, sugar beet	58.690	61.382
Wood and cork	919.411	854.592
Food stuff and animal feed	265.966	448.147
Oil seeds, oleaginous fruits and fats	2.346.059	1.854.048
Solid mineral fuels	730.950	657.043
Crude oil	6.750.866	6.593.434
Oil products	4.457.909	4.981.169
Iron ores, scrap	2.260.812	2.206.188
Non-ferrous ores and scrap	2.473.807	2.737.916
Metal products	1.535.595	1.469.385
Cement, lime, prefabricated materials for constructions	258.270	128.335
Raw or processed minerals	145.203	161.951
Natural and chemical fertilizers	1.074.925	745.508
Chemical products from coal and tar	70.917	108.478
Other chemical products	1.137.527	521.319
Cellulose and waste paper	61.023	65.189
Machines, transport equipments	310.721	273.458
Miscellaneous	5.953.038	5.862.429
TOTAL	43.012.497	40.522.369

River Traffic Constanta- through Danube – Black Sea Canal



	2013(Kt)	2014(Kt)	2015(Kt)
DE	92	84	65
AT	1134	1136	266
BG	1097	1482	1364
HR	76	62	122
SK	35	39	139
HU	1904	1723	3227
RS	3772	2896	3053
RO	5329	6529	5398
MD	92	147	172
UA	27	33	30
Other countries			
	368	314	172
Total	13926	14445	14008

Constanta Port – the Eastern European Gateway

	CALLS		2015
	Destination	Origin	Total
TURKEY	1,462	1,087	2,549
GEORGIA	104	135	239
UKRAINE	390	390	780
RUSSIA	523	386	909
BULGARIA	170	252	422
GREECE	330	174	504
EGYPT	178	222	400
SYRIA	35	31	66
LIBYA	56	72	128
LEBANON	48	99	147
ISRAEL	58	81	139



Constanta Port - Partnership Agreements



To encourage the increase of traffic goods, Constanta port has established Partnership Agreements with many ports. Among the Danube region with Kremes, Budapest, and Pancevo.

DAPhNE:

Danube Ports: Focal points of transport & regional policies

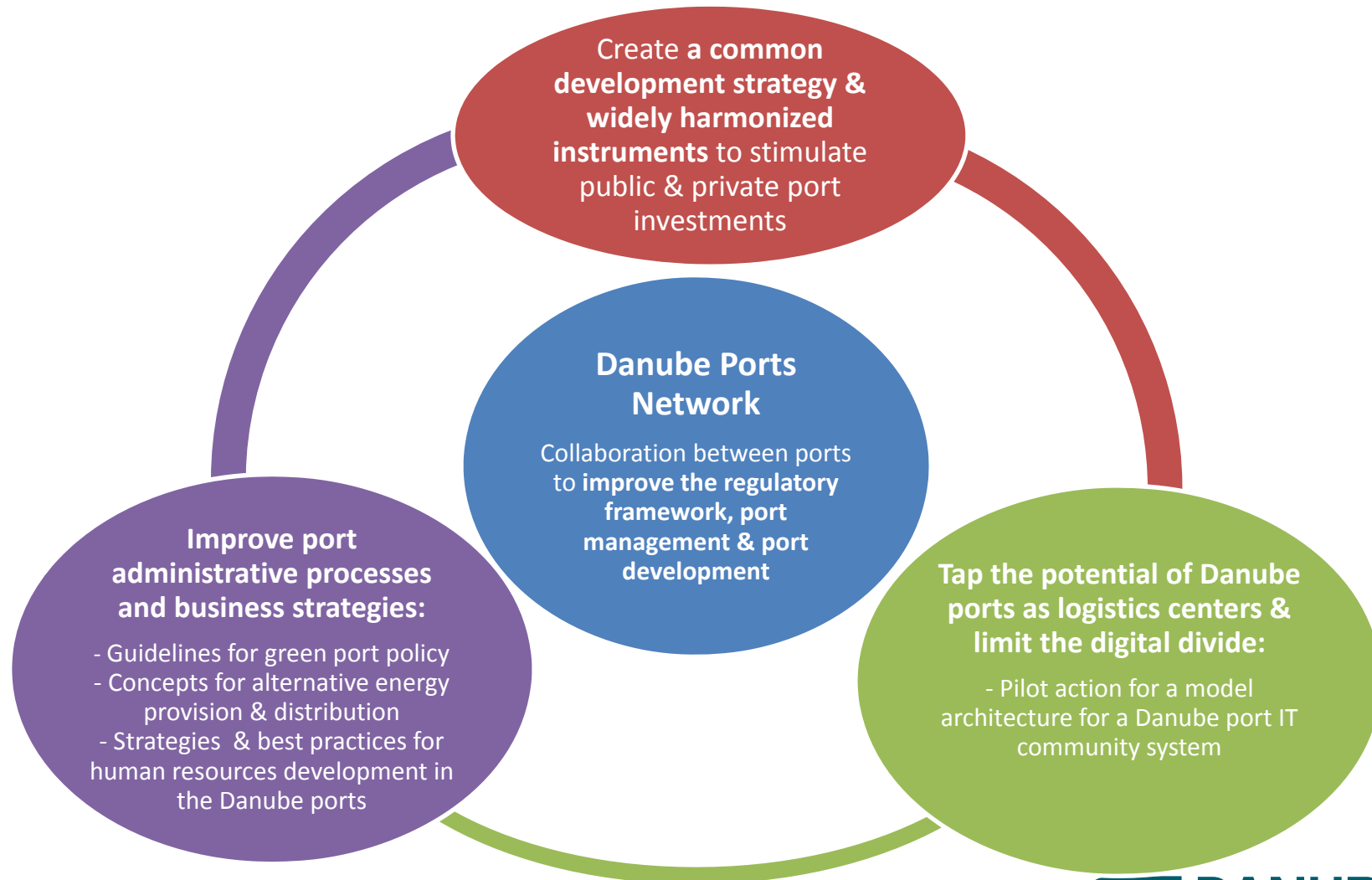
- Danube Ports as focal points for European transport & regional policy
- Key elements for a sustainable & efficient transport system, natural centres of economic activities
- High potential for regional growth through cross-border initiatives



Danube Ports must be considered as catalysts for re-industrialization and regional growth with Port of Constanta as main logistics hub

DAPhNE

Objectives



DAPhNE

Partner Structure

- **Lead Partner:**
 - *Pro Danube International/ AT*



Project Budget :2.998.724,00€

- **ERDF Partners:**
 - Ennshafen Port/ AT
 - IC Consulente consultancy company/ AT
 - University of Applied Sciences Upper Austria/ AT
 - The Maritime Danube Ports Administration Galati/ RO
 - National Company Maritime Ports Administration Constanta/ RO
 - Ovidius University of Constanta/ RO
 - Pro Danube Romania/ RO
 - Romanian Ministry of Transport/ RO
 - ILR Logistica Romania SRL/ RO
 - Bulgarian Ports Infrastructure Company/ BG
 - Public Institution Port Authority Vukovar/ HR
 - RGO Communications Ltd./ HR
 - Hungarian Federation of Danube Ports/ HU
 - Public Ports Slovakia/ SK
- **Associated Strategic Partners:**
 - Container Terminal Enns/ AT
 - Giurgiu Municipality/ RO
 - Vienna Port/AT
 - Ministry of Maritime Affairs, Transport and Infrastructure/HR
 - Ministry of Transport, Information, Techn. and Comm./BG
 - Danube Logistics SRL/MD
 - State Enterprise Ukrainian Sea Ports Authority/UA
- **IPA Partner:**
 - Port Governance Agency /RS



Thank you for your support

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