











	Analytical System
 Draw a map Find a set of CEMT V Links List all terminals near Amsterdam Show current traffic volumes on link. Show all TEN-T compliant sections 	 Find a route from A to B How many locks are passed between A and B? What is the maximum ship size on this route? How does the situation change if Lock 'X' is upgraded? Will traffic switch from other modes?







Adding RIS-Index Data..

Number of RIS-Index Objects with Longitude/Latitude coordinates per country and per category.

RIS Index Object	AT	BE	cz	DE	FR	HU	NL	RO	sĸ	UA	TOTAL
Bridge	209	615	0	0	0	91	5,525	20	22	0	6,482
Bunker	8	0	0	0	0	0	123	9	1	0	141
Gauge	14	41	0	0	0	20	193	26	5	0	299
Harbour Port	333	1,046	0	0	0	46	6,319	150	253	0	8,147
Infrastructure	62	12,365	0	0	0	4,147	7,358	1,074	1,712	0	26,718
Lock	31	206	0	0	1,703	0	637	18	3	0	2,598
Mooring Facility	4	0	0	0	0	3	0	106	8	0	121
Other Location	4	0	0	0	0	0	0	86	5	0	95
Overhead structure	0	10	0	0	0	4	285	26	4	0	329
Radio Calling Point	0	0	0	0	0	8	70	102	9	0	189
RIS Centre	1	0	0	0	0	0	0	38	1	0	40
Total	666	14,283	0	0	1,703	4,319	20,510	1,655	2,023	0	45,159









Defining Data Attributes per Layer

Layers	Data item	Data type (unit)	Definition
	BridgeID	Integer	Unique identifier for bridge
Network Links	Location bridges or overhead objects	^d [GIS]	Bridge coordinates
Network Nodes	Movable bridge	Boolean (yes/no)	Whether bridge is moveable (to allow ships to pass)
	Full span of fairway	Boolean (yes/no)	Does bridge cover the full span of the fairway?
Lock Complexes	Passage height limit	Double (m)	Height limit (metres) above normal water level for fixed bridges, closed moveable bridges, or other overhead structures.
Lock Chambers	Movable bridge passage height (raised/open)	Double (m)	Height limit (metres) above normal water level, for moveable bridge when raised/open (if applicable).
Bridges and Overhead Structures	Passage width limit.	Double (m)	Width limit (metres) through bridge or equivalent overhead structures.
	Movable bridge service time	s (hours)	Number of hours that movable bridge service is available per week.
Mooring Places	Average waiting times (mins for moveable bridges) Double (min)	Average waiting times (mins) for moveable bridges
Inland Ports (Inland or Inland/Maritime)	Bridge-LinkID key	LinkID	Reference to waterway section crossed by bridge. (If bridge crosses waterway at a node, a line to point distance calculation should be used to select the nearest link)
Terminals			· · · · · · · · · · · · · · · · · · ·
Accidents			
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