

PROPELLER CLUB MANTOVA

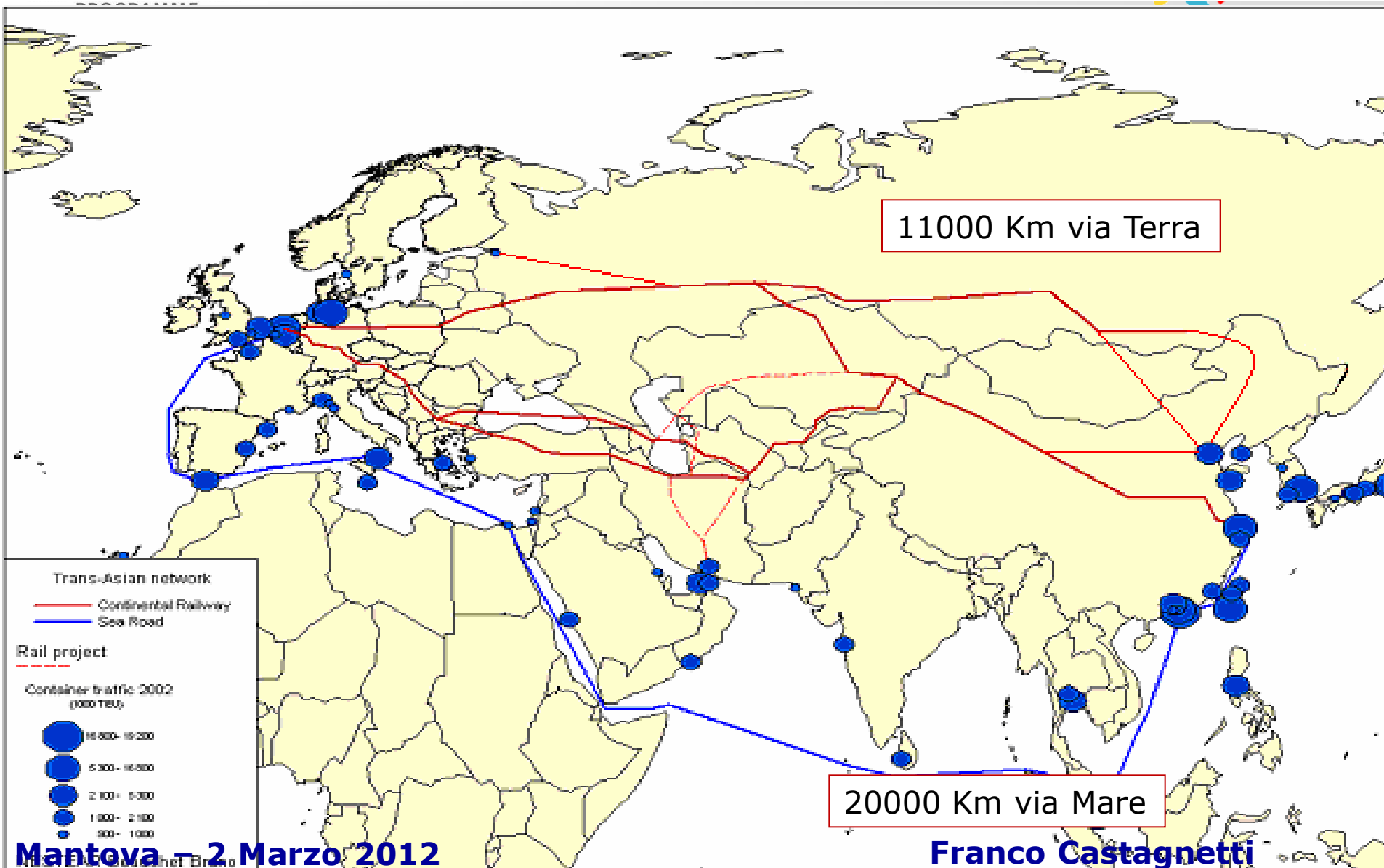
CENTRI LOGISTICI, AREE INDUSTRIALI E CONNESSIONI FERROVIARIE



ESPERIENZE EUROPEE E NUOVE STRATEGIE

FAR EAST = PRODUZIONE DI MASSA PER L'EUROPA

PUNTI DI INGRESSO TRAFFICO NEI PORTI



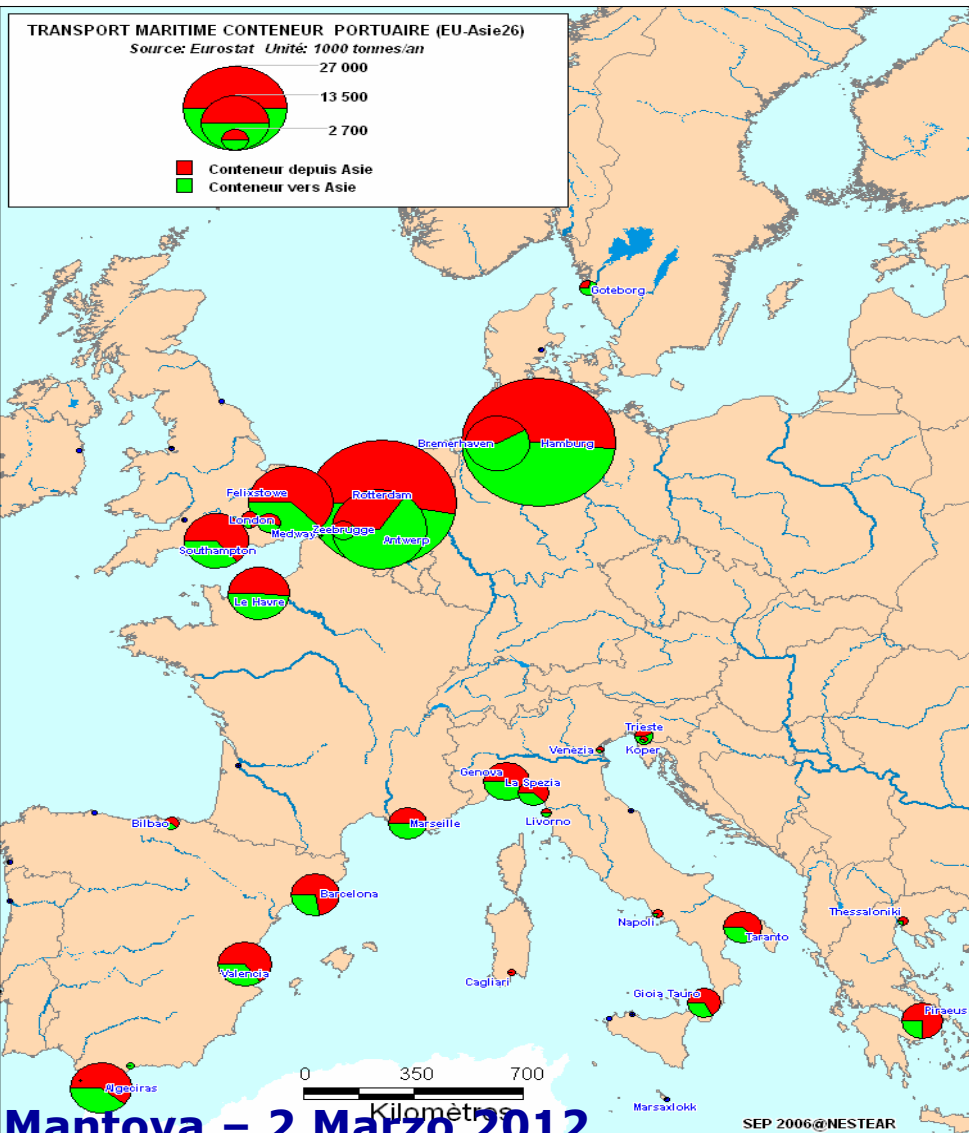
TRAFFICO MARITTIMO

EU – ASIA

EU - MED

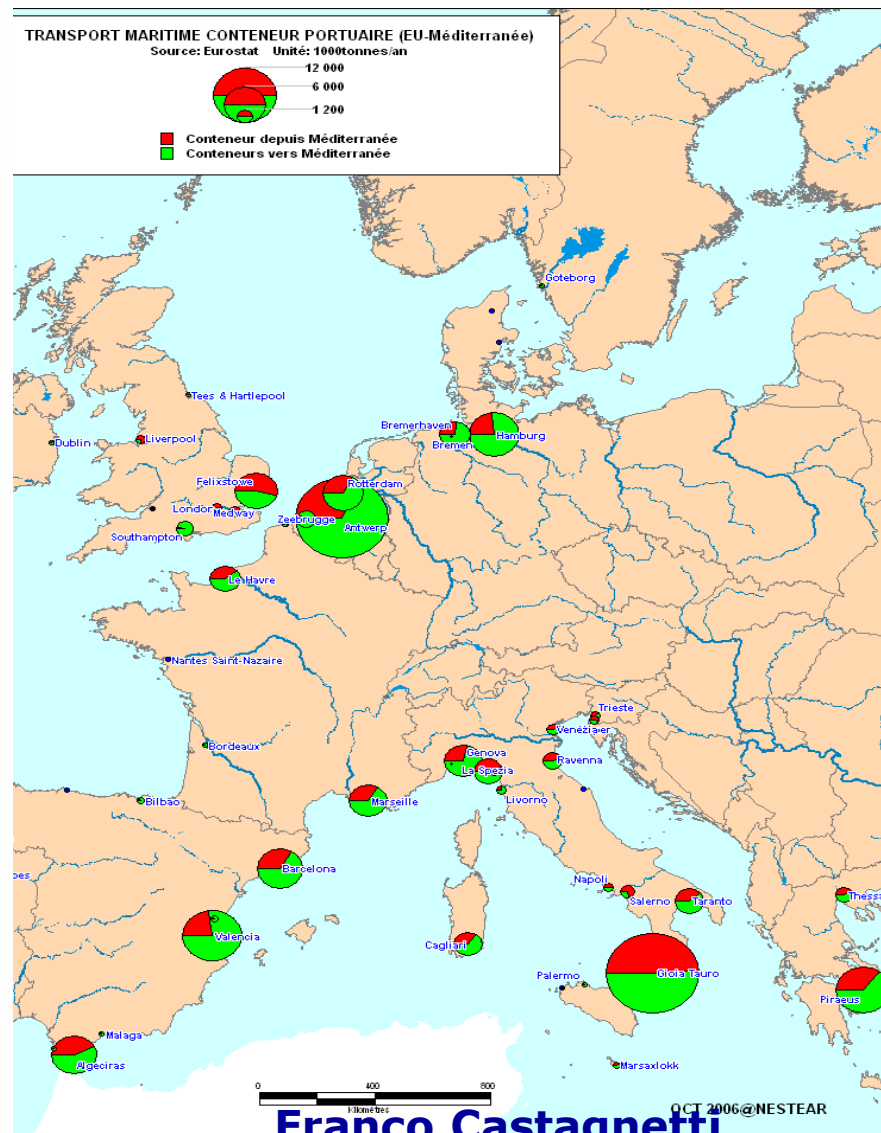
TRANSPORT MARITIME CONTENEUR PORTUAIRE (EU-Asie26)

Source: Eurostat Unité: 1000 tonnes/an



TRANSPORT MARITIME CONTENEUR PORTUAIRE (EU-Méditerranée)

Source: Eurostat Unité: 1000 tonnes/an



Franco Castagnetti

Mantova – 2 Marzo 2012

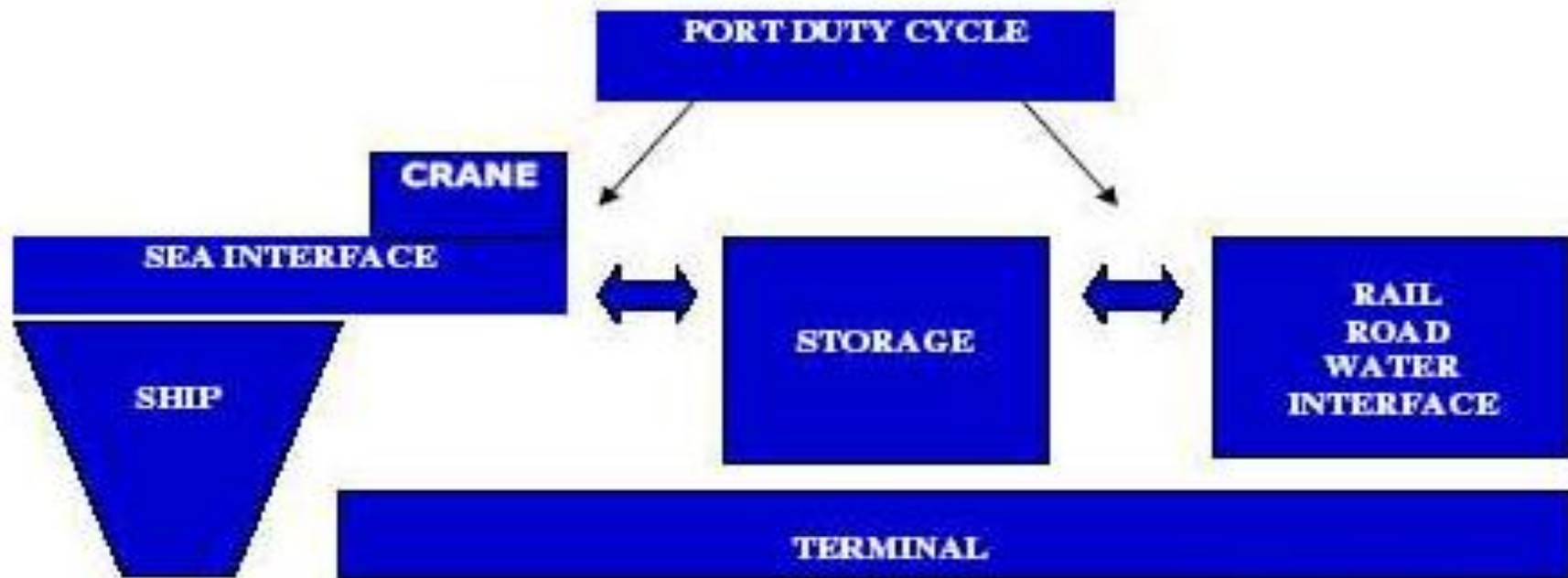
CAMBIAMENTI STRUTTURALI SUI TRAFFICI MARITTIMI



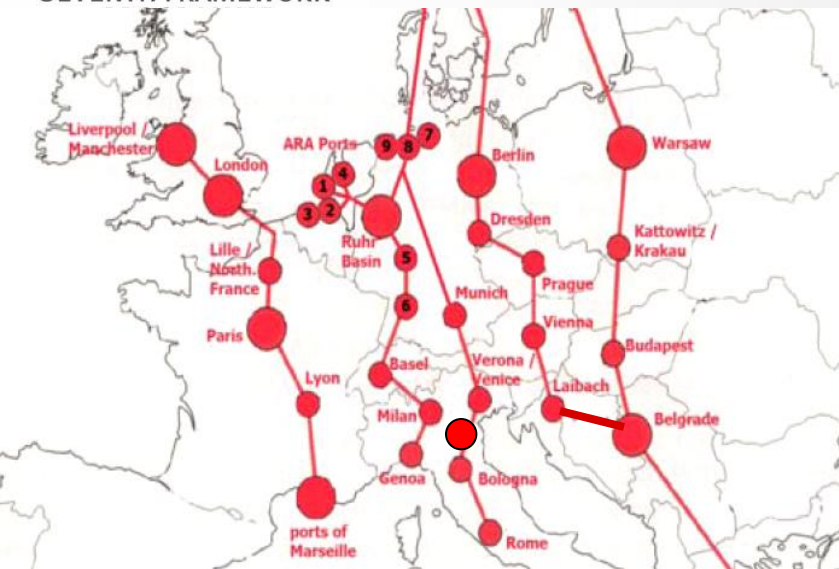
	Total TEU	Average TEU
2008	1.674.227	8.372
2005	1.308.581	6.543
2000	986.608	4.933
1995	733.155	3.666
1990	600.958	3.005

NO CAMBIAMENTO NELL'INFRASTRUTTURA DI TERRA

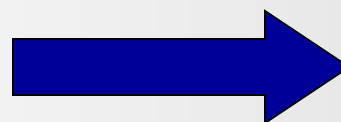




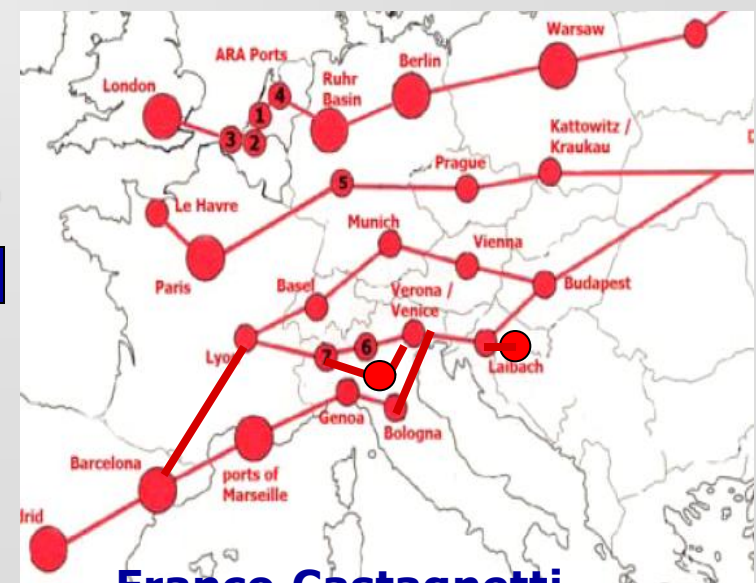
FLUSSI TRADIZIONALI NORD-SUD INTEGRATI DA EST-OVEST



**NORTH
SOUTH & VV.**

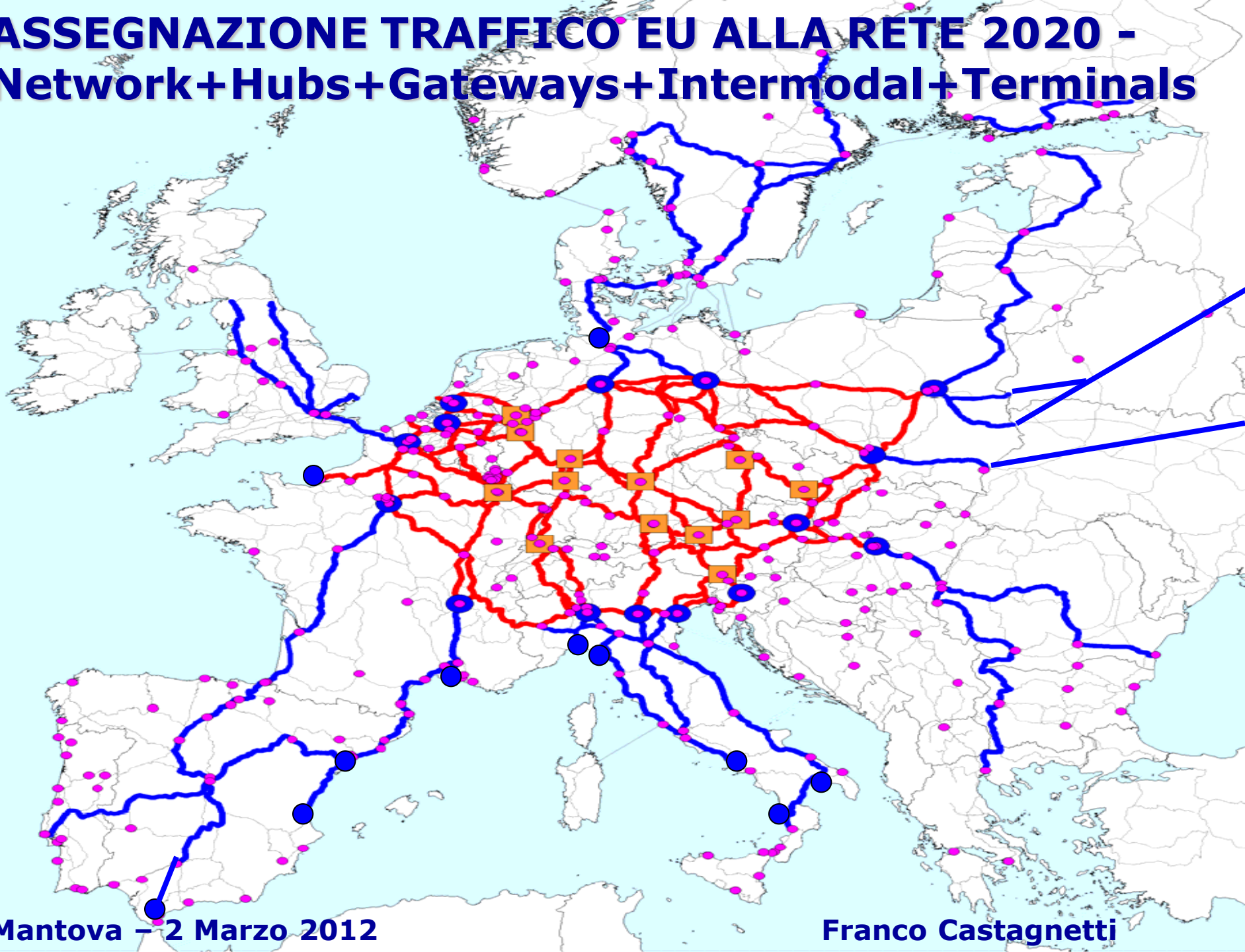


**WEST
EAST & VV.**

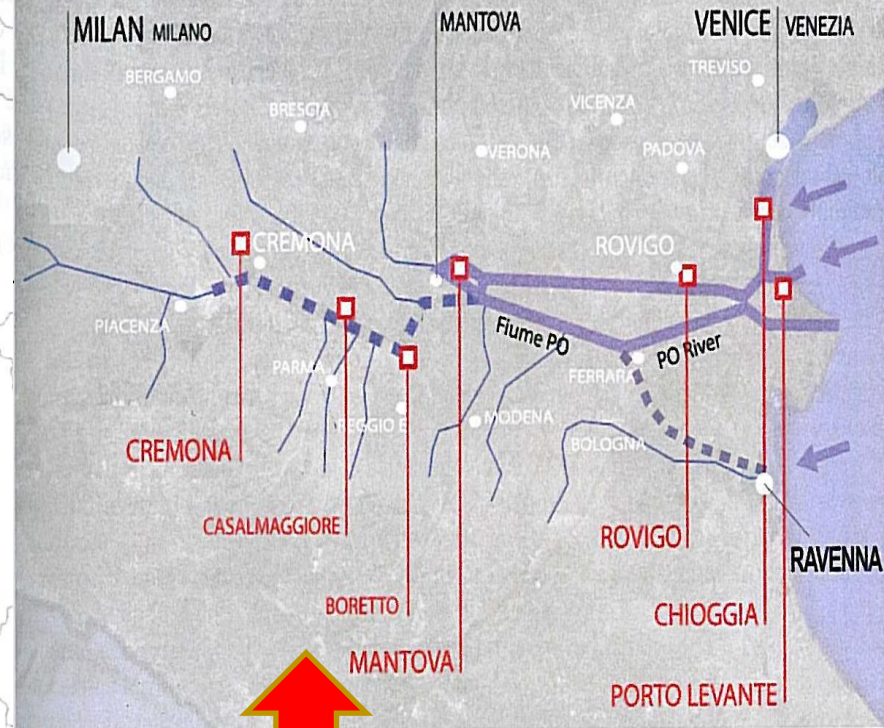
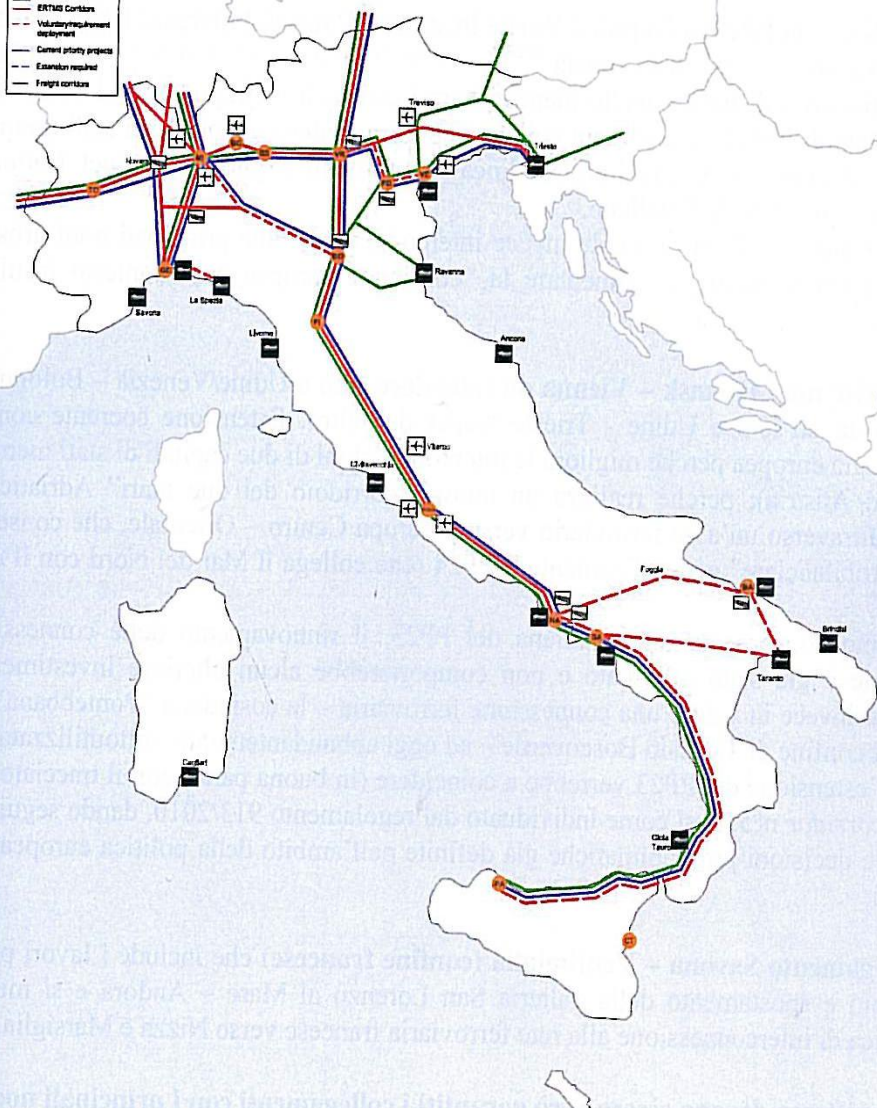


Franco Castagnetti

ASSEGNAZIONE TRAFFICO EU ALLA RETE 2020 - Network+Hubs+Gateways+Intermodal+Terminals



**FREIGHT CORRIDORS (2010)
PRIORITY PROJECTS (2004)
ERTMS DEPLOYMENT PLAN**



IDROVIA ADRICATICO- MANTOVA/CREMONA DI INTERESSE EUROPEO: UNICA DELL'EUROPA MERIDIONALE

I CORRIDOI DI INTERESSE EUROPEO CHE UNISCONO L'ITALIA ALL'EUROPA

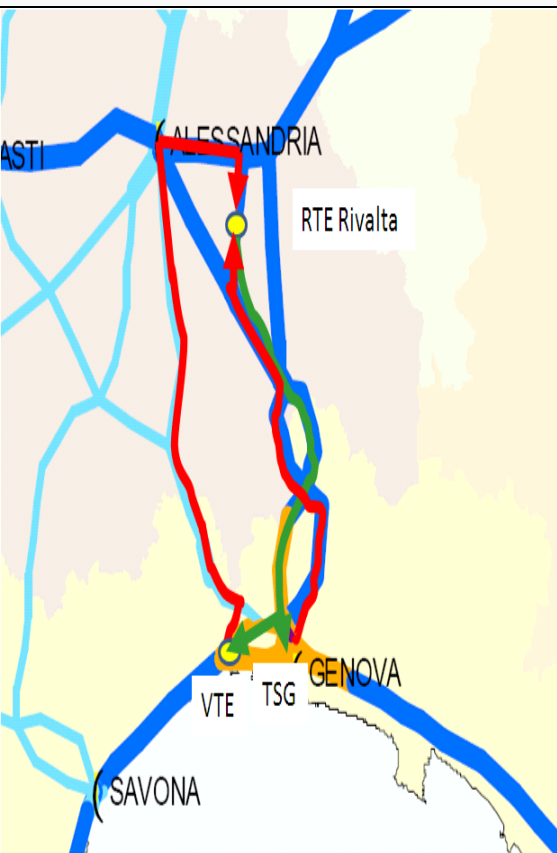
LA MOBILITA' MERCI FUTURA SECONDO EU

- **Oltre 300Km Rail; riduzione 60% CO2 by 2050**
- **Co-modality: integrazione di modalità**
- **Accessibilità e miglioramento interfacce : NODI**
- **Miglior utilizzo infrastrutture esistenti**
- **Corridoi preferenziali per le merci**
- **Ricerca/sistemi innov. (E-freight;E-customs;etc.)**
- **Industrializzazione(MegaHub),Standardizzazione**
- **Tempo-Spazio; City Logistics; Last mile/Zero Km**

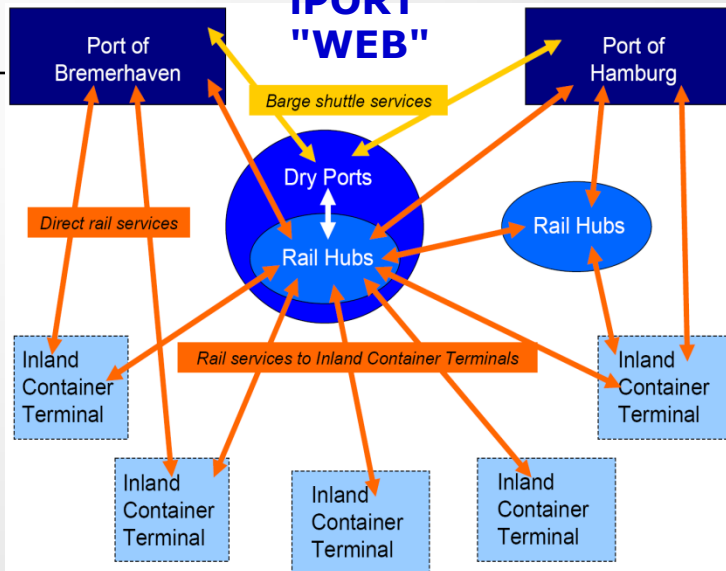
INDUSTRIALIZZAZIONE DEL TRASPORTO FERROVIARIO - AUMENTO DI CAPACITA' A COSTI MARGINALI



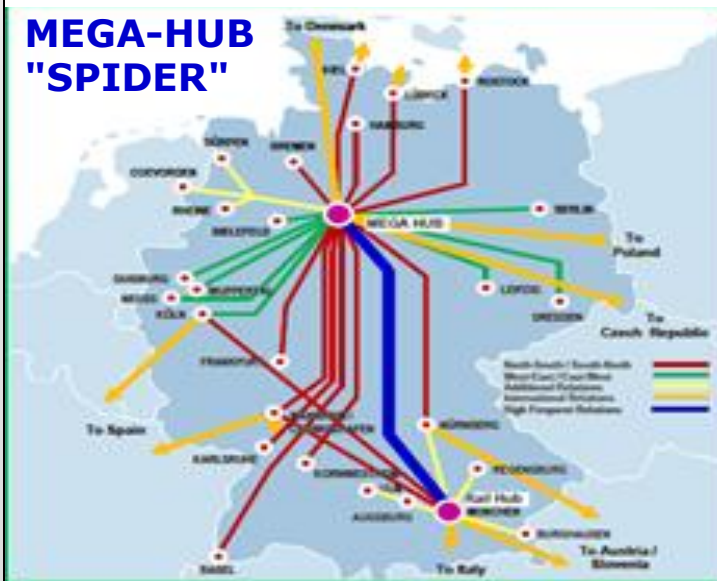
GFC "LOOP"



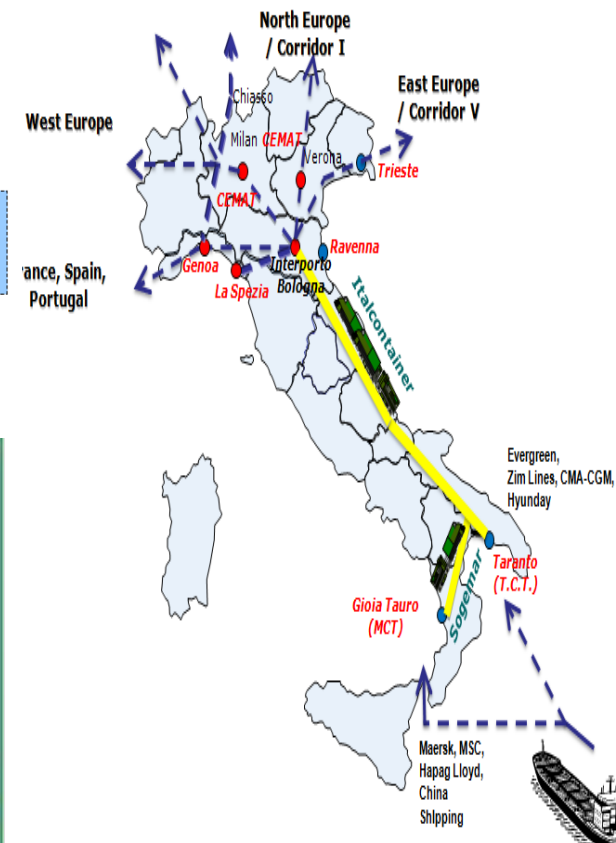
iPORT "WEB"



MEGA-HUB "SPIDER"



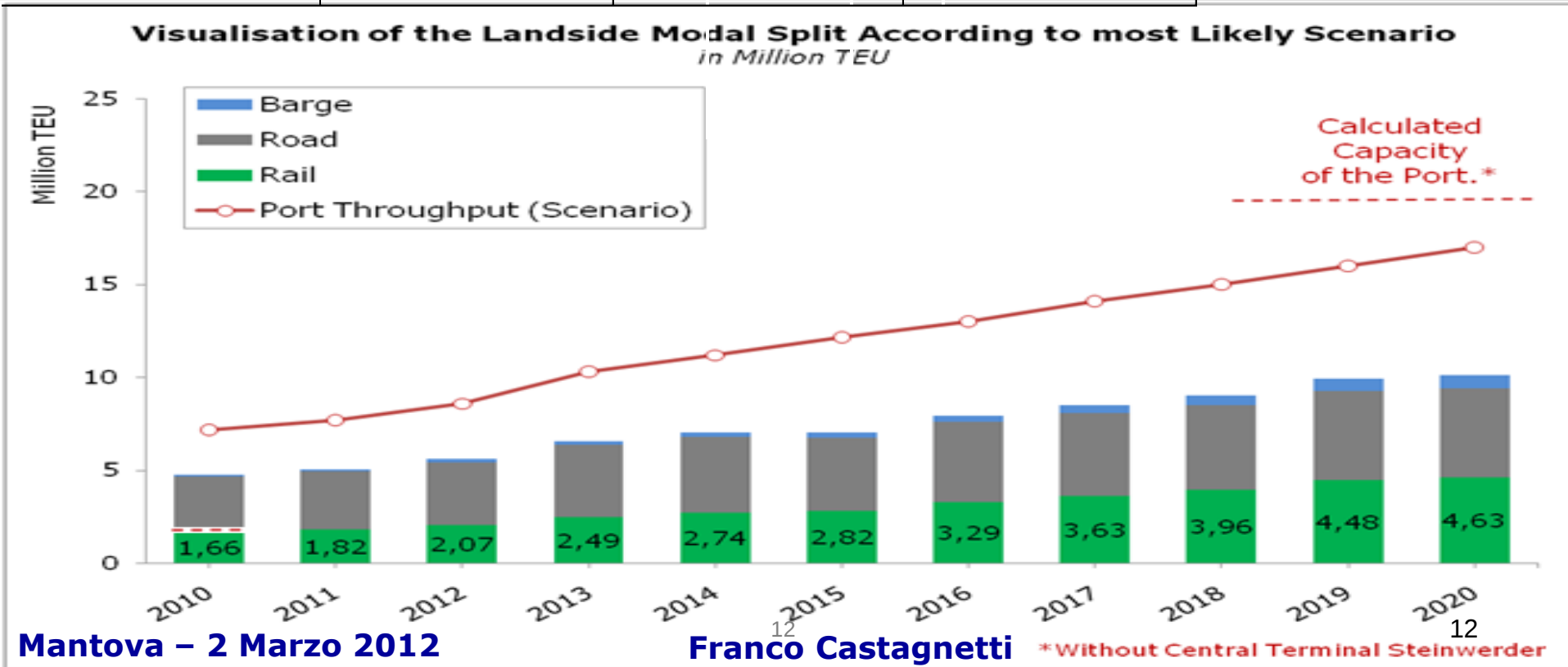
MARIPLAT "Y"



QUOTE MODALI PORTO DI AMBURGO

CO-MODALITY FONDAMENTALE

TEUx1,000	2010	2015	2020	
Barge	100 (2%)	300 (4%)	700 (7%)	+600%
Road	3,000 (60%)	3,900 (56%)	4,800 (47%)	+ 60%
Rail	1,900 (38%)	2,800 (40%)	4,600 (46%)	+142% + FEEDER



QUOTE MODALI PORTO DI GENOVA: CO-MODALITY FONDAMENTALE

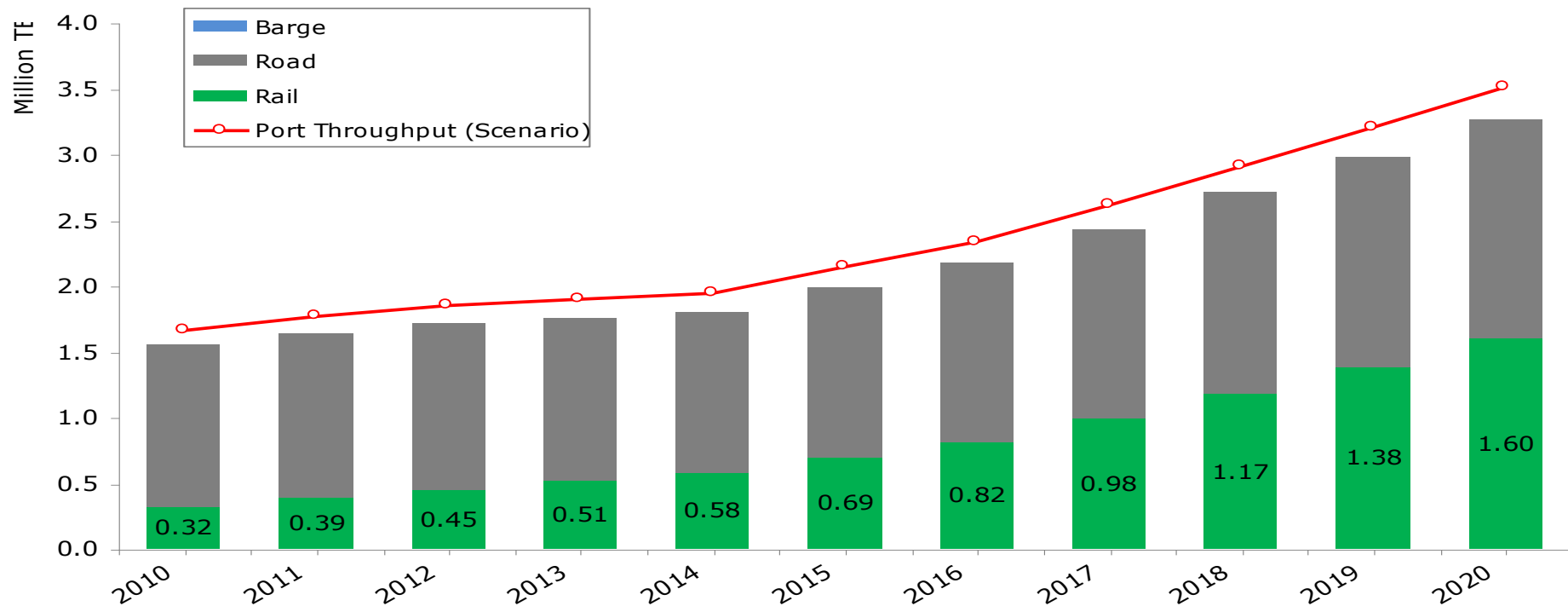
TEUx1000	2010	2015	2020
Road	1.200 (80%)	1.300 (65%)	1.700 (51%)
Rail	300 (20%)	700 (35%)	1.600 (49%)

+ 40%

+ 430%

+ FEEDER

Visualisation of the Landside Modal Split According to most Likely Scenario
in Mil. TEU

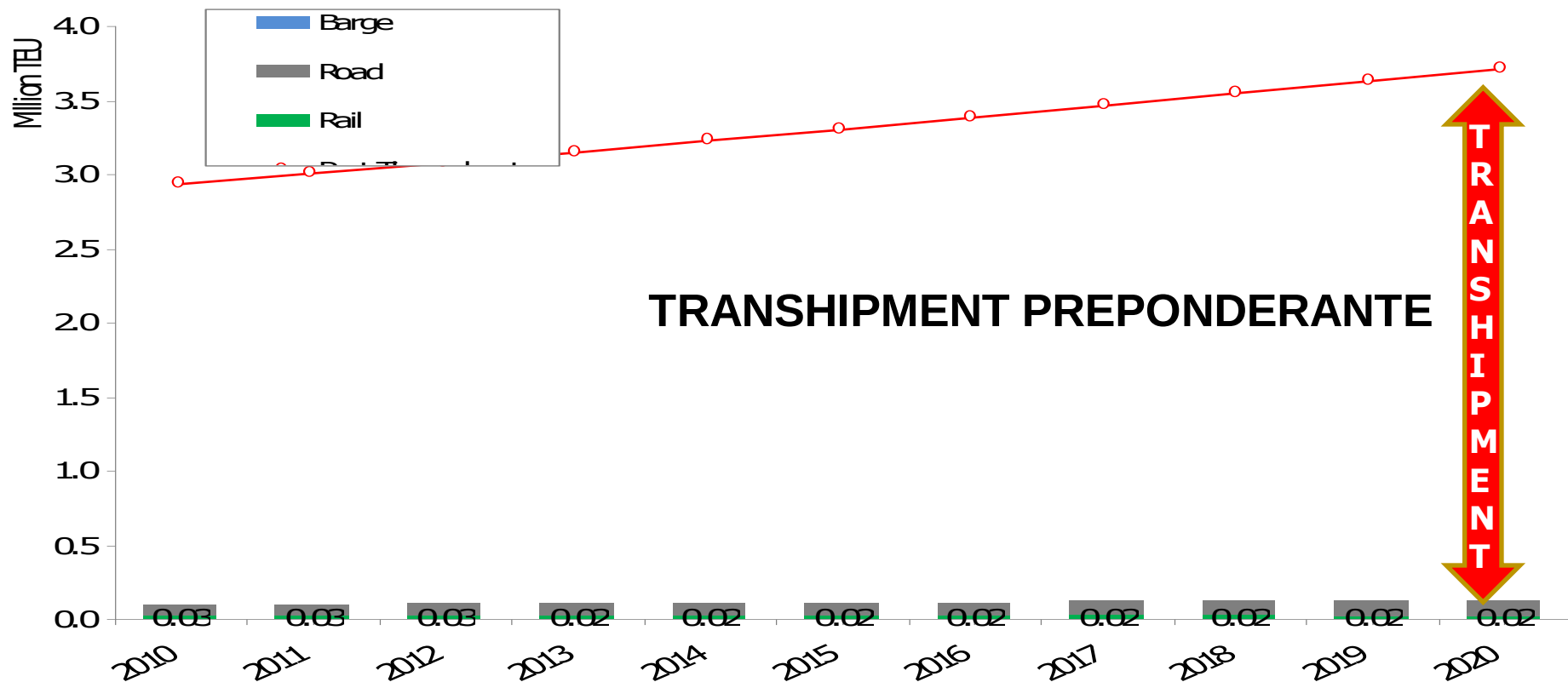


QUOTE MODALI PORTO DI GIOIA TAURO: FERROVIA FONDAMENTALE

TEUx1000	2010	2015	2020
Road	70 (70%)	90 (69%)	110 (64%)
Rail	30 (30%)	40 (31%)	60 (36%)

+ 57% +TRANSHIPMENT
+100%

Visualisation of the Landside Modal Split According to most Likely Scenario
in Mil. TEU



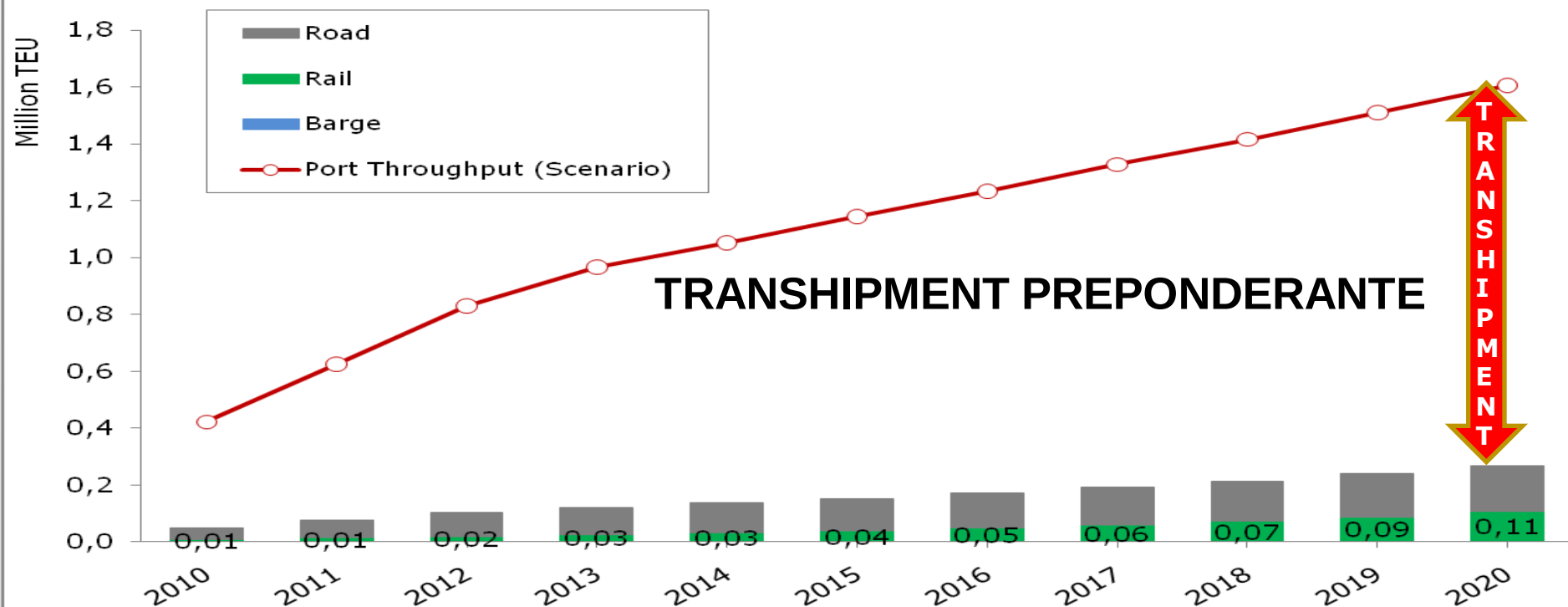
TRANSHIPMENT PREPONDERANTE

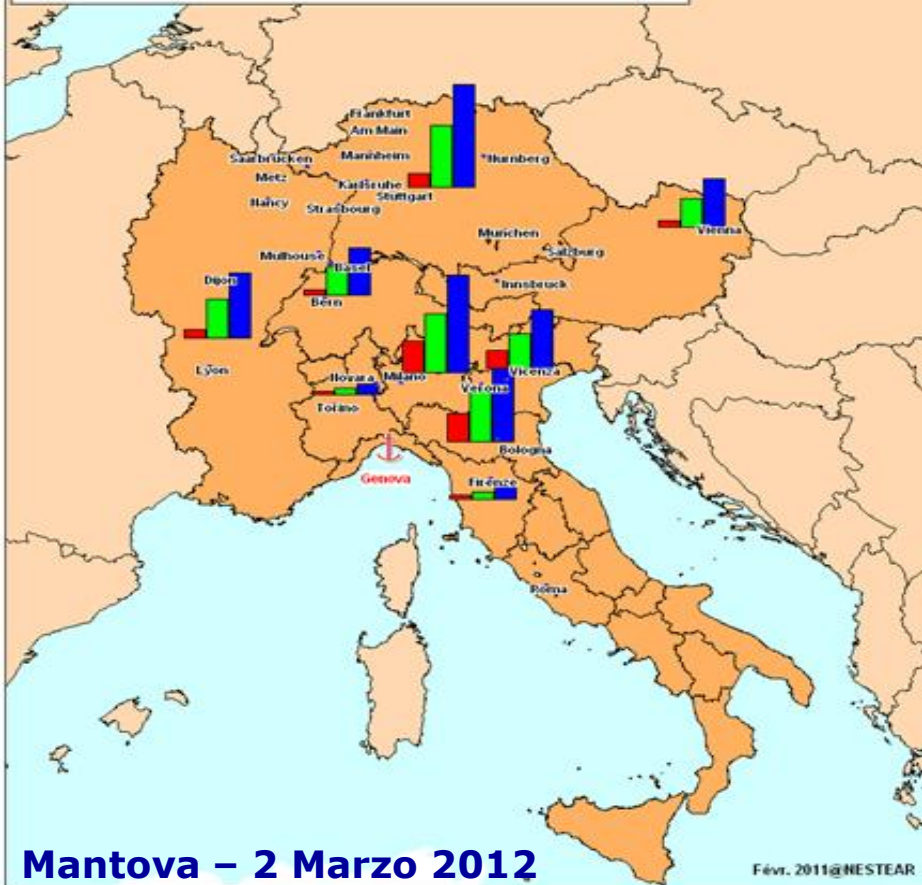
TRANSHIPMENT

QUOTE MODALI PORTO DI TARANTO: FERROVIA FONDAMENTALE

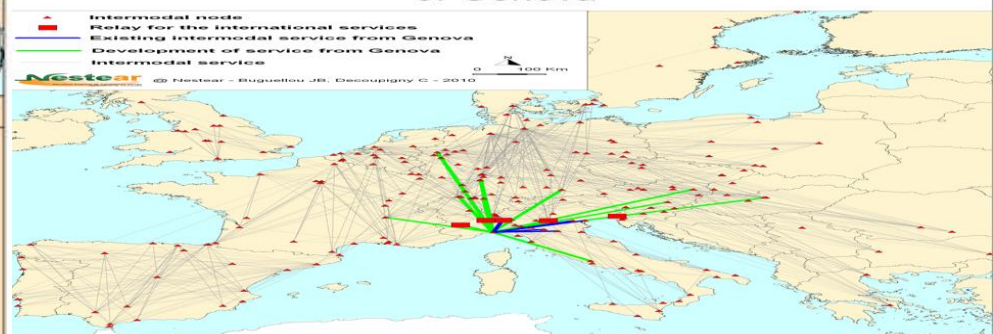
in 1,000 TEU	2010	2015	2020	
Barge	-	-	-	
Road	42 (84%)	114 (75%)	160 (60%)	+ 280%
Rail	8 (16%)	38 (25%)	107 (40%)	+1230% +TRANSHIPMENT

Visualisation of the Landside Modal Split According to most Likely Scenario

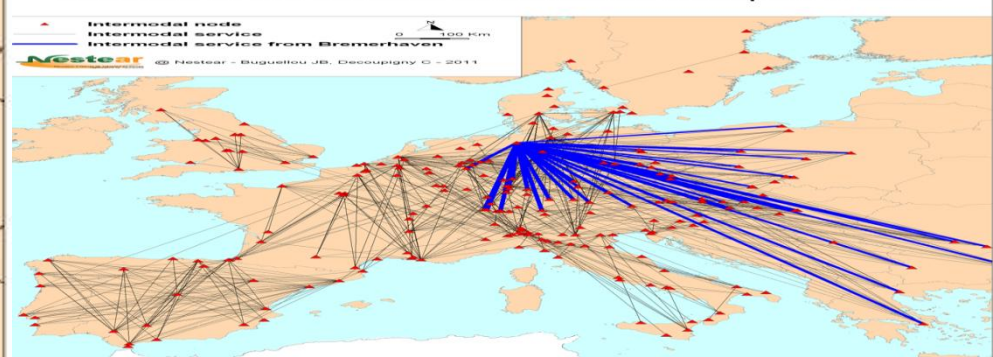




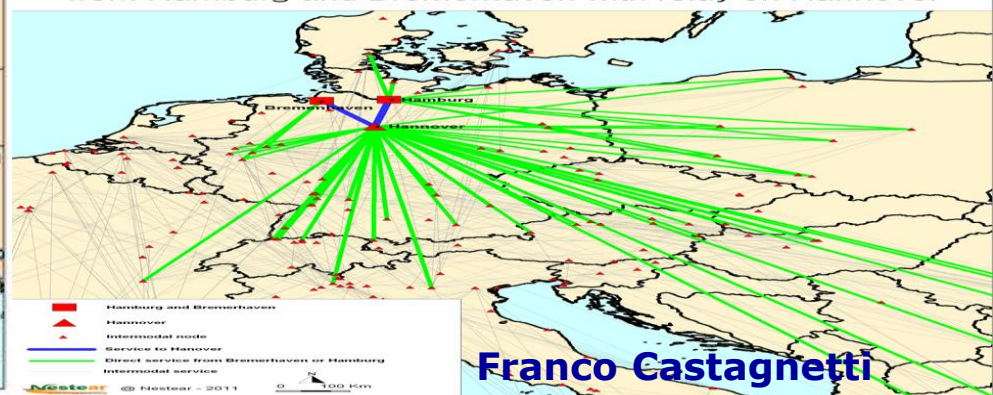
Structure of the services of combined transport of Genova



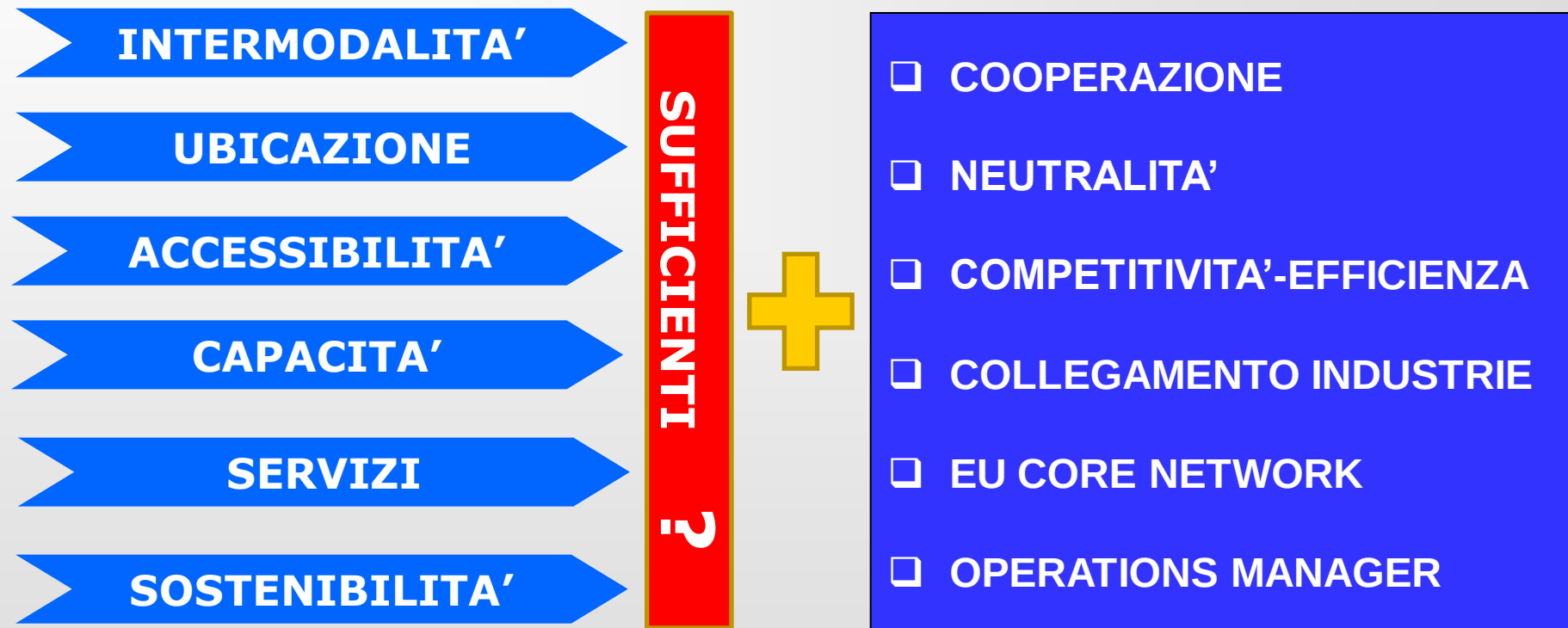
Structure of the services of combined transport in 2009



Structure of the services of intermodal transport from Hamburg and Bremerhaven with relay on Hannover



CONCLUSIONI AREA VALDARO



INNOVAZIONE, TECHNOLOGIE, LOGISTICS, MIX, ECONOMIE DI SCALA, ZERO MILE,
E-FREIGHT, E-CUSTOMS, E-SEALS,...

www.newopera.org

www.tigerproject.eu

www.tigerdemo-project.eu

www.marathon-project.eu



Grazie per l'attenzione

franco.castagnetti@newopera.org