

DATA COLLECTION METHODS FOR INTERNATIONAL FREIGHT AND PASSENGER TRANSPORT IN THE ITALIAN BALANCE OF PAYMENTS

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BALANCE OF PAYMENTS Standard components

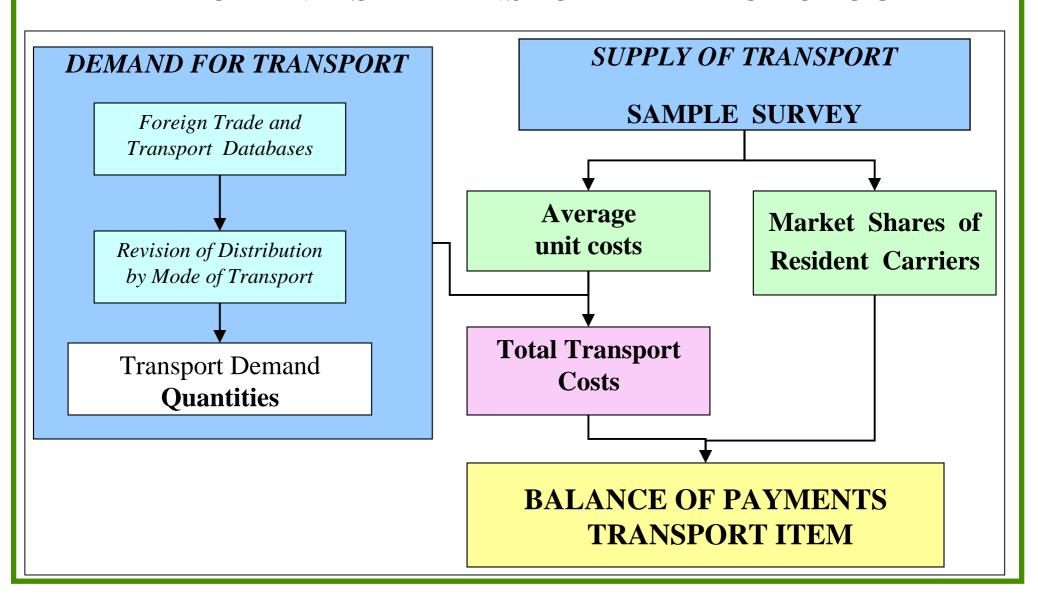
(International Monetary Fund)

- CURRENT ACCOUNT
 - GOODS
 - SERVICES
 - TRANSPORTATION
 - TRAVEL
 -
 -
 - OTHER SERVICES
 - INCOME
 - CURRENT TRANSFERS
- CAPITAL ACCOUNT
- FINANCIAL ACCOUNT





MERCHANDISE TRANSPORT METHODOLOGY





MERCHANDISE TRANSPORT SURVEY relevant statistical indicators (year 2002)

Mode of transport	Number of interviewed operators	Number of standard consignments	Average weighted sampling error
Sea Container	33	294	7.5%
Sea Bulk (liquid and solid)	15	160	7.3%
Sea General cargo	10	81	9.3%
Air	11	442	7.0%
Road	45	618	4.4%
Rail Container	10	126	5.0%
Total	124	1,721	6.4%

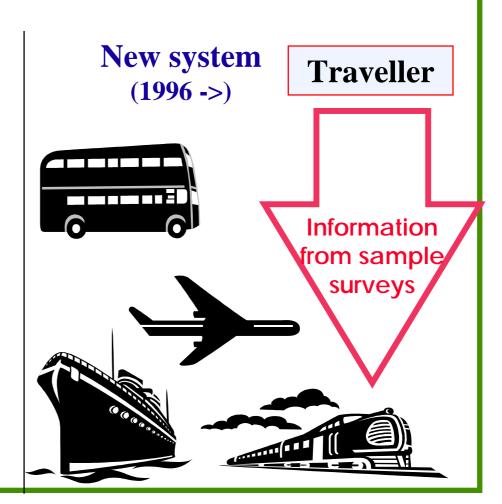


DATA SOURCES FOR INTERNATIONAL TRAVEL

Old system (->1995)



Information from bank settlements





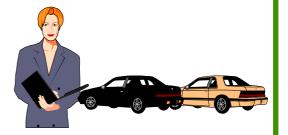
INTERNATIONAL TRAVEL SURVEY DESIGN

Survey operations

Two operations are carried out at each border point:

COUNTING

the number and the nationality of all travellers, entering or exiting Italy, are assessed



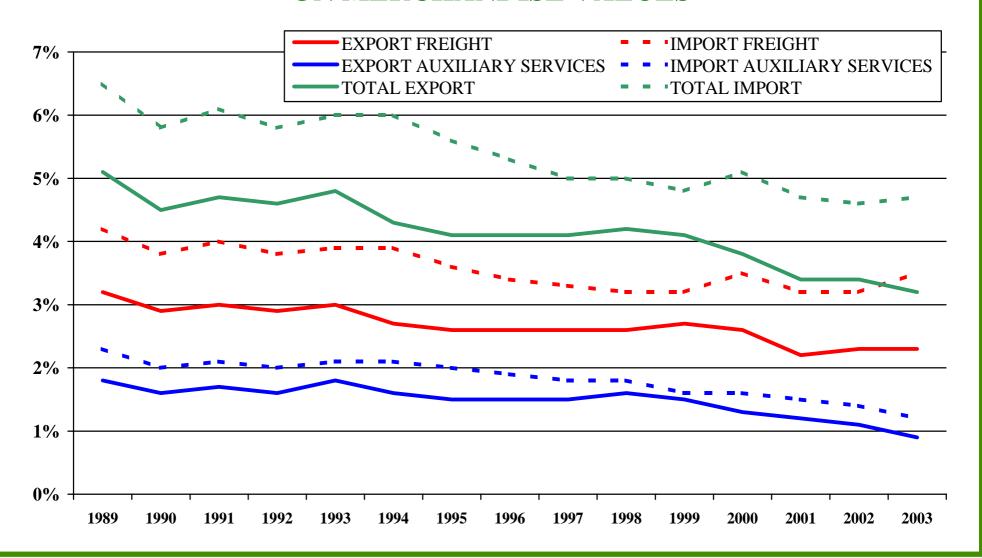
INTERVIEWING

travellers are stopped and interviewed to obtain information about trip, expenditure, etc.



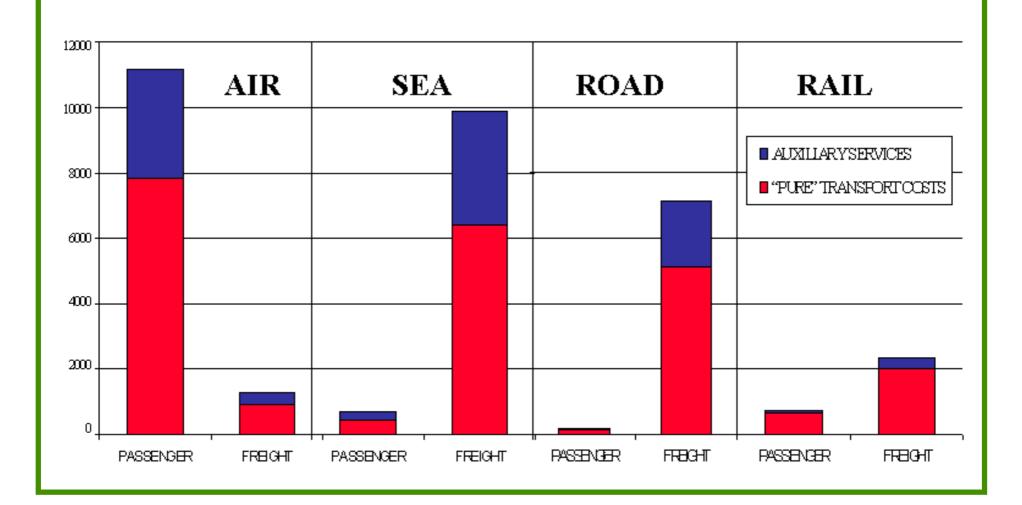


THE INCIDENCE OF INTERNATIONAL TRANSPORT COSTS ON MERCHANDISE VALUES

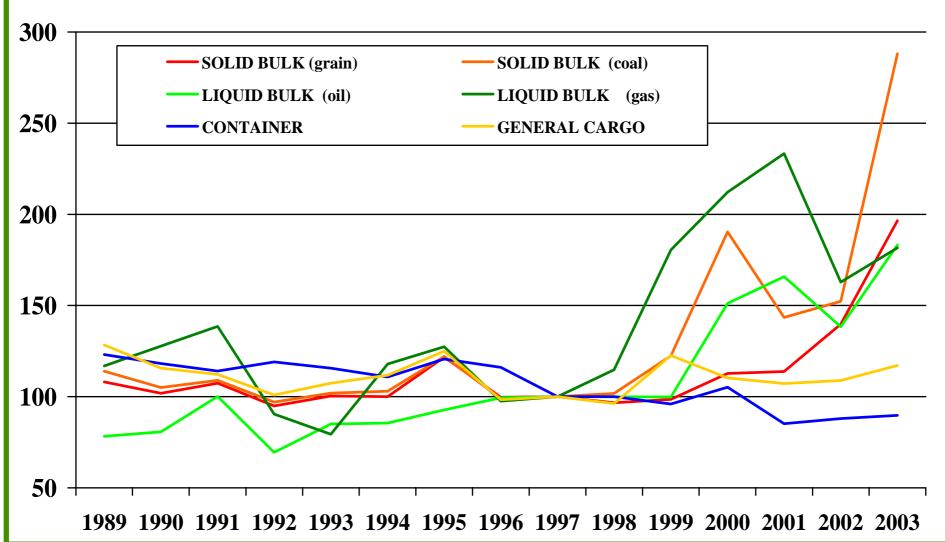




PASSENGER AND FREIGHT COSTS BY MODE OF TRANSPORT YEAR 2003 - MILLIONS OF EURO

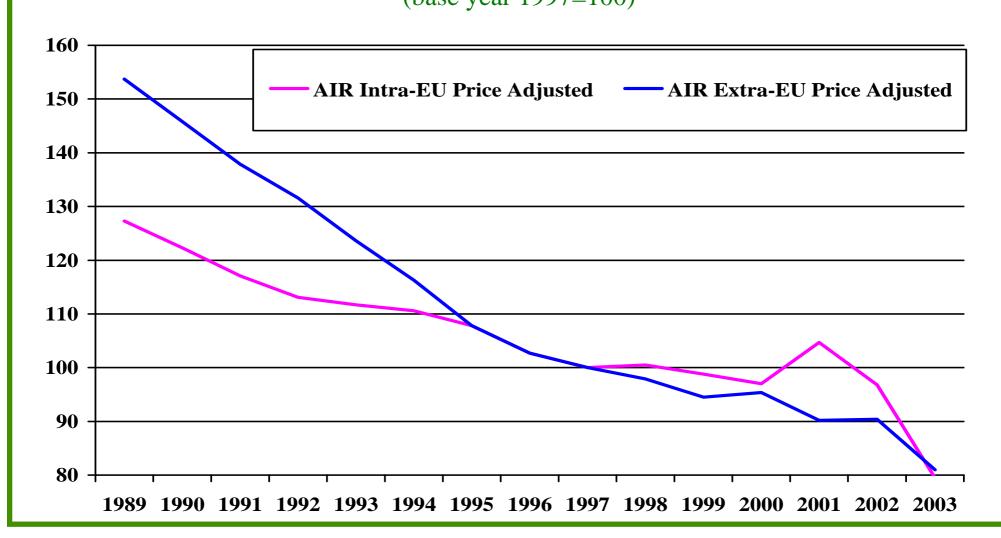


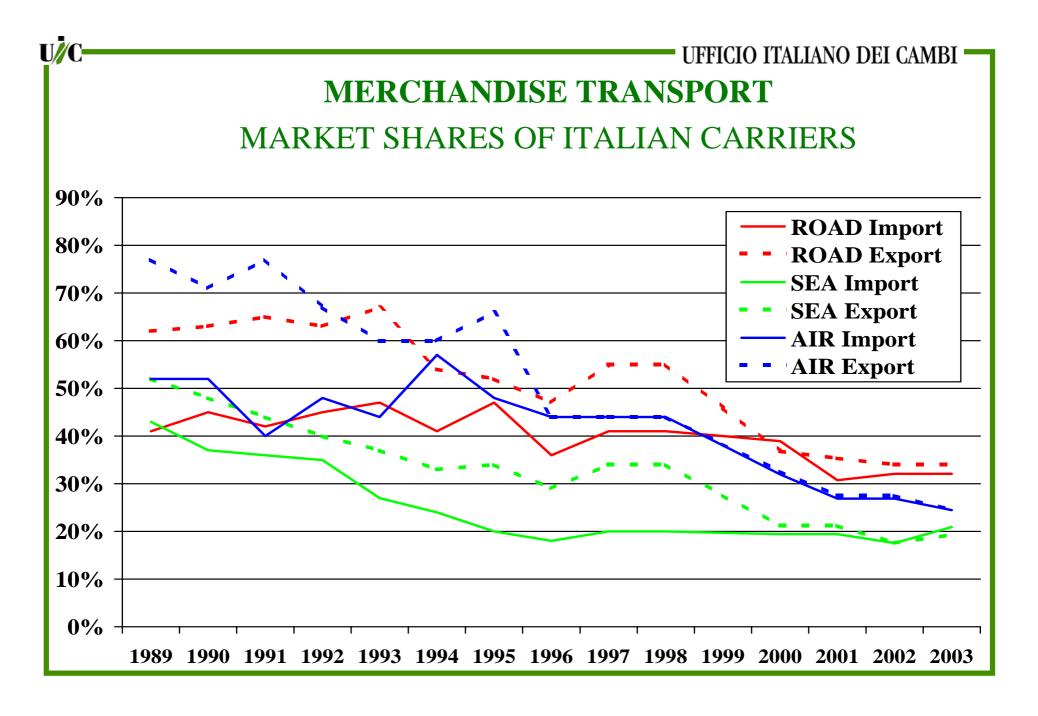
Sea freight indexes in US dollar current values (base year 1997=100)



PASSENGER TRANSPORT

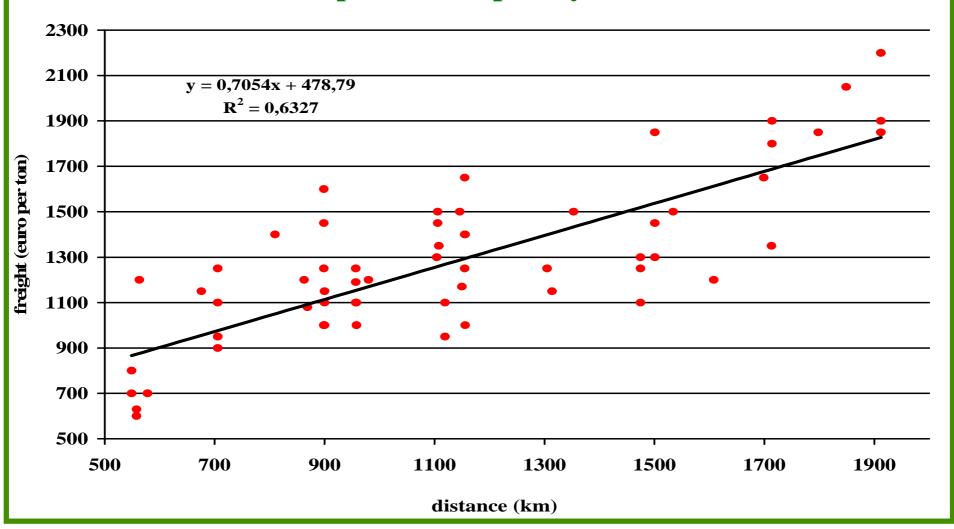
Intra and extra-EU air fare indexes (price-adjusted values) (base year 1997=100)







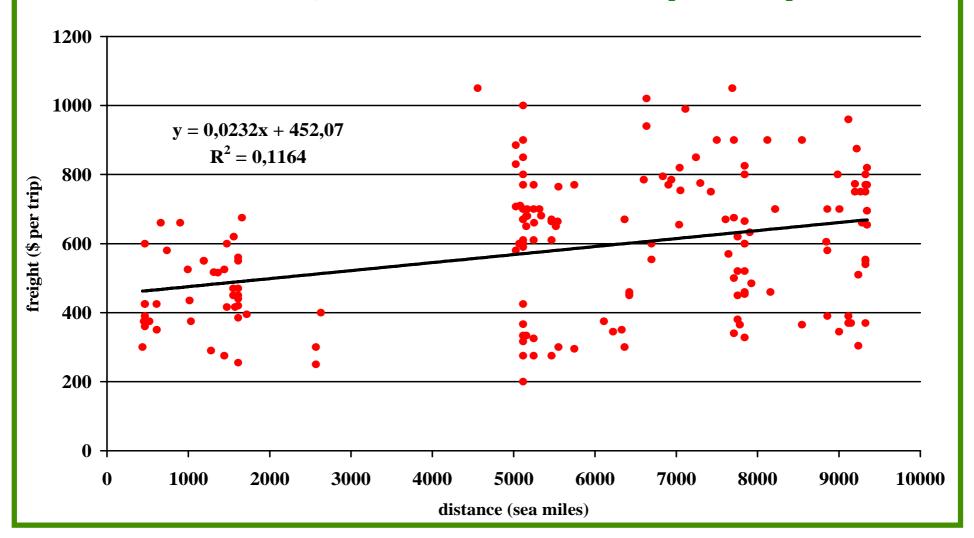
ROAD FREIGHT RATES - GERMANY import and export (year 2002)





SEA CONTAINER FREIGHT RATES (year 2002)

North America, Far East and Mediterranean - import and export





FINDING VARIABLES DETERMINING FREIGHT RATES

TC = f(M, D, T, L, U, C,...)



where:

TC = Transport Cost (per ton)

M = Mode of transport

D = Distance

T = Time of consignment

L = Type of Load

U = Unbalance of flows (possibility of empty or partial load trips)

C = Competitive pressure